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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 DEC

IDC 01 00:03:31.2.1.4, 6.64S: 125.67E, h517km, 18km, mb3.0/1, mb1 3.2/6, mb1mx2.8/30, mbtmtp4.0/6, Error ellipse: s-maj=32.9km s-min=21.5km az=83.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BATI Baumata, BATI Bati, SIJI Sorong, FITZ Fitzroy Crossi, FITZ WRA, ASAR Alice Springs, MKAR Makanchi Array.

MEX 01 00:20:26.4.0.9, 16.67N: 94.37W, h112km, 14km, MD3.7. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CMIG Matias Romero, CMIG TGIG, PCIG Huatulco, HUIG Vista Hermosa, VHO Vista Hermosa.

ISC 01 00:24:15.4.1.9, 51.51N: 0.09: 16.16E: 0.05, h0km, n13, 0:572/26, Poland. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KSP Ksiaz, UPC Upicze, DPC Dobruska-Polom, PCC Panska Fej, BRG Berggiesshubel, GOPC Gopcey, MORC Moravsky Berou, CLL Coilm, OKC Ostrava-Krasne, VRAC Vranov, KRUC Moravsky, NKCC Novy Kostel, NKCC Kaspereske Hory.

UPP 01 00:25:09.9.0.0, 67.33N: 20.19E, h0km, ML1.9, Sweden. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KUA Kuravaara, RATU Laukkuluppa, NIKU Nikkaluokta, LANU Lannavaara, DUNU Dundret, MASU Masungsbyn, KIF Kilpisjarvi, PAJU Pajala, HIEF Hetta, HARU Harads.

UPP 01 00:25:13.2.0.1, 67.82N: 20.20E, h0km, ML1.8, Sweden. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KUA Kuravaara, RATU Laukkuluppa, NIKU Nikkaluokta, LANU Lannavaara, HARU Harads.

IDC 01 00:37:37.7.1.4, 5.06S: 133.51E, h0km, mb3.7/3, mb1 4.2/8, mb1mx3.9/4.1, mbtmtp4.0/6, ML4.1/4, MS3.5/1, Ms1 3.5/1, ms1mx2.9/26, Error ellipse: s-maj=53.6km s-min=22.7km az=75.0. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ISJCJB 01 00:37:49.0.7, 5.21S: 0.05: 133.54E: 0.09, h25km, mb3.7/3, Error ellipse: s-maj=12.9km s-min=7.7km az=0.1, NEIC 01 00:37:39.4.0.8, 5.09S: 133.54E, h10km, mb4.2/2, Error ellipse: s-maj=16.2km s-min=11.8km az=78.0, DJA 01 00:37:49.0.7, 5.21S: 0.05: 133.54E: 0.09, h54km, 32km, M4.5/6, mb4.4/5, ML4.6/6, ISC 01 00:37:41.0.7, 5.20S: 0.06: 133.53E: 0.08, h25km, n16, 0:244/17, mb3.7/3, Aru Islands region. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include RAKI Fak Fak, BNI Bandanaira, FKPI Ransiki, Papua, SIJI Sorong, NLAI Namlea, SANI Sanana, PMG Port Moresby, WRAB Tennant Creek, WRAB Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, FITZ WRA, ASAR Alice Springs, ASAR ASAR, CTAO Charters Tower, MBWA Marble Bar, SONM Sogingio Array, MKAR Makanchi Array, ZALV Zalesovo Beam.

ISC 01 00:37:37.7.1.4, 5.06S: 133.51E, h0km, mb3.7/3, mb1 4.2/8, mb1mx3.9/4.1, mbtmtp4.0/6, ML4.1/4, MS3.5/1, Ms1 3.5/1, ms1mx2.9/26, Error ellipse: s-maj=53.6km s-min=22.7km az=75.0. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ISJCJB 01 00:37:49.0.7, 5.21S: 0.05: 133.54E: 0.09, h25km, mb3.7/3, Error ellipse: s-maj=12.9km s-min=7.7km az=0.1, NEIC 01 00:37:39.4.0.8, 5.09S: 133.54E, h10km, mb4.2/2, Error ellipse: s-maj=16.2km s-min=11.8km az=78.0, DJA 01 00:37:49.0.7, 5.21S: 0.05: 133.54E: 0.09, h54km, 32km, M4.5/6, mb4.4/5, ML4.6/6, ISC 01 00:37:41.0.7, 5.20S: 0.06: 133.53E: 0.08, h25km, n16, 0:244/17, mb3.7/3, Aru Islands region. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include RAKI Fak Fak, BNI Bandanaira, FKPI Ransiki, Papua, SIJI Sorong, NLAI Namlea, SANI Sanana, PMG Port Moresby, WRAB Tennant Creek, WRAB Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, FITZ WRA, ASAR Alice Springs, ASAR ASAR, CTAO Charters Tower, MBWA Marble Bar, SONM Sogingio Array, MKAR Makanchi Array, ZALV Zalesovo Beam.

ISC 01 00:37:37.7.1.4, 5.06S: 133.51E, h0km, mb3.7/3, mb1 4.2/8, mb1mx3.9/4.1, mbtmtp4.0/6, ML4.1/4, MS3.5/1, Ms1 3.5/1, ms1mx2.9/26, Error ellipse: s-maj=53.6km s-min=22.7km az=75.0. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ISJCJB 01 00:37:49.0.7, 5.21S: 0.05: 133.54E: 0.09, h25km, mb3.7/3, Error ellipse: s-maj=12.9km s-min=7.7km az=0.1, NEIC 01 00:37:39.4.0.8, 5.09S: 133.54E, h10km, mb4.2/2, Error ellipse: s-maj=16.2km s-min=11.8km az=78.0, DJA 01 00:37:49.0.7, 5.21S: 0.05: 133.54E: 0.09, h54km, 32km, M4.5/6, mb4.4/5, ML4.6/6, ISC 01 00:37:41.0.7, 5.20S: 0.06: 133.53E: 0.08, h25km, n16, 0:244/17, mb3.7/3, Aru Islands region. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include RAKI Fak Fak, BNI Bandanaira, FKPI Ransiki, Papua, SIJI Sorong, NLAI Namlea, SANI Sanana, PMG Port Moresby, WRAB Tennant Creek, WRAB Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, FITZ WRA, ASAR Alice Springs, ASAR ASAR, CTAO Charters Tower, MBWA Marble Bar, SONM Sogingio Array, MKAR Makanchi Array, ZALV Zalesovo Beam.

ISC 01 00:37:37.7.1.4, 5.06S: 133.51E, h0km, mb3.7/3, mb1 4.2/8, mb1mx3.9/4.1, mbtmtp4.0/6, ML4.1/4, MS3.5/1, Ms1 3.5/1, ms1mx2.9/26, Error ellipse: s-maj=53.6km s-min=22.7km az=75.0. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ISJCJB 01 00:37:49.0.7, 5.21S: 0.05: 133.54E: 0.09, h25km, mb3.7/3, Error ellipse: s-maj=12.9km s-min=7.7km az=0.1, NEIC 01 00:37:39.4.0.8, 5.09S: 133.54E, h10km, mb4.2/2, Error ellipse: s-maj=16.2km s-min=11.8km az=78.0, DJA 01 00:37:49.0.7, 5.21S: 0.05: 133.54E: 0.09, h54km, 32km, M4.5/6, mb4.4/5, ML4.6/6, ISC 01 00:37:41.0.7, 5.20S: 0.06: 133.53E: 0.08, h25km, n16, 0:244/17, mb3.7/3, Aru Islands region. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include RAKI Fak Fak, BNI Bandanaira, FKPI Ransiki, Papua, SIJI Sorong, NLAI Namlea, SANI Sanana, PMG Port Moresby, WRAB Tennant Creek, WRAB Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, FITZ WRA, ASAR Alice Springs, ASAR ASAR, CTAO Charters Tower, MBWA Marble Bar, SONM Sogingio Array, MKAR Makanchi Array, ZALV Zalesovo Beam.

ISCJCJB 01 00:45:49.9.2.2, 12.77N: 0.08: 90.27W: 0.06, h20km, 15km,

mb3.8/2, Error ellipse: s-maj=14.9km s-min=6.9km az=31.4. UCR 01 00:45:50.6.1.3, 12.86N: 90.30W, h22km, 5km, ML3.4. IDC 01 00:45:53.7.1.7, 14.41N: 88.65W, h0km, mb3.5/3, mb1 4.0/4, mb1mx3.6/4.1, mbtmtp3.6/4, ML3.7/1, Error ellipse: s-maj=42.6km s-min=15.8km az=24.0. ISC 01 00:45:51.5.1.3, 12.86N: 0.09: 25W: 0.08, h21km, 5km, n29, 0:157/32, Off coast of Central America. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CEVE Cerro Verde, SBLS San Blas, SBLS San Jose, RTR El Retiro, BOOS Boqueron, BOOS comp=2.546nm, 0.6s, Serv Nac Est T, UUES San Salvador, LOMA San Marcos, LOMA LOMA, IXX Ixcapoc, CUSC San Salvador, LFRS El Faro, LFU La Fuente, LBRS Las Brisas, PAVA Las Pavas, TECA Tecapa, YSM San Miguel, APG El Apazote, APG comp=2.12nm, 0.3s, baz=194, slow=17, SNR=70, LCND La Ca-ada, CSNG Cosiguina Volc, CSNG CSNG, CRIN San Cristobal, CNGR Cerro Negro, CNGN comp=N, 46nm, 0.5s, COPN Copaltepe, COPN comp=Z, 73nm, 0.3s, MOMN Motomombo, MATN Matagalpa, JTS Juntas Abangare, JTS comp=Z, 2.6nm, 0.3s, baz=14, slow=12, SNR=8.8, CMIG Matias Romero, CMIG comp=Z, 0.4nm, 0.3s, baz=251, slow=23, SNR=1.6, CMIG comp=Z, 0.4nm, 0.3s, baz=104, slow=12, SNR=7.8, TXAR Lajitas Array, TXAR comp=Z, 0.5nm, 0.8s, baz=144, slow=8.7, SNR=7.1, NYAR Nina Array Bea, NYAR comp=Z, 2.0nm, 0.7s, baz=136, slow=8.6, SNR=9.2, YKAR Yellowknife Arr, YKAR comp=Z, 0.3nm, 0.5s, baz=140, slow=6.8, SNR=7.0.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CEVE Cerro Verde, SBLS San Blas, SBLS San Jose, RTR El Retiro, BOOS Boqueron, BOOS comp=2.546nm, 0.6s, Serv Nac Est T, UUES San Salvador, LOMA San Marcos, LOMA LOMA, IXX Ixcapoc, CUSC San Salvador, LFRS El Faro, LFU La Fuente, LBRS Las Brisas, PAVA Las Pavas, TECA Tecapa, YSM San Miguel, APG El Apazote, APG comp=2.12nm, 0.3s, baz=194, slow=17, SNR=70, LCND La Ca-ada, CSNG Cosiguina Volc, CSNG CSNG, CRIN San Cristobal, CNGR Cerro Negro, CNGN comp=N, 46nm, 0.5s, COPN Copaltepe, COPN comp=Z, 73nm, 0.3s, MOMN Motomombo, MATN Matagalpa, JTS Juntas Abangare, JTS comp=Z, 2.6nm, 0.3s, baz=14, slow=12, SNR=8.8, CMIG Matias Romero, CMIG comp=Z, 0.4nm, 0.3s, baz=251, slow=23, SNR=1.6, CMIG comp=Z, 0.4nm, 0.3s, baz=104, slow=12, SNR=7.8, TXAR Lajitas Array, TXAR comp=Z, 0.5nm, 0.8s, baz=144, slow=8.7, SNR=7.1, NYAR Nina Array Bea, NYAR comp=Z, 2.0nm, 0.7s, baz=136, slow=8.6, SNR=9.2, YKAR Yellowknife Arr, YKAR comp=Z, 0.3nm, 0.5s, baz=140, slow=6.8, SNR=7.0.

IDC 01 01:10:31.0.2.8, 37.20N: 142.33E, h0km, mb3.6/2, mb1 3.6/3, mb1mx3.3/39, mbtmtp3.4/3, ML2.8/1, Error ellipse: s-maj=50.6km s-min=35.5km az=51.0. JMA 01 01:10:34.9.0.2, 37.34N: 142.00E, h33km, 3km, M3.6. ISC 01 01:10:33.0.2.2, 37.39N: 0.05: 142.01E: 0.08, h7km, 12km, n21, 0:152/28, Off east coast of Honshu. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JFC Kawauchi, JFK Iwakimizuishiy, ONAJ Onajima, ONAJ Ishinomakikobu, JMK Marumori, JMK Ouri, JJO Otama, JJO Okura, JOU Ichinoseki, JMK Shirataka, JYS Yanaizu, JFY Kaneyama, JYK Matsushiro Arr, MJAR Matsushiro, MAT MAT, H1N2 WAKE ISLAND Hy 27.92 122 T, H1N1 WAKE ISLAND Hy 27.93 122 T, H1N3 WAKE ISLAND Hy 27.94 122 T, H1S1 WAKE ISLAND Hy 28.66 124 T, H1S3 WAKE ISLAND Hy 28.66 124 T, H1S2 WAKE ISLAND Hy 28.67 124 T, MKAR Makanchi Array, WRA Warramunga Arr.

IDC 01 01:10:31.0.2.8, 37.20N: 142.33E, h0km, mb3.6/2, mb1 3.6/3, mb1mx3.3/39, mbtmtp3.4/3, ML2.8/1, Error ellipse: s-maj=50.6km s-min=35.5km az=51.0. JMA 01 01:10:34.9.0.2, 37.34N: 142.00E, h33km, 3km, M3.6. ISC 01 01:10:33.0.2.2, 37.39N: 0.05: 142.01E: 0.08, h7km, 12km, n21, 0:152/28, Off east coast of Honshu. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JFC Kawauchi, JFK Iwakimizuishiy, ONAJ Onajima, ONAJ Ishinomakikobu, JMK Marumori, JMK Ouri, JJO Otama, JJO Okura, JOU Ichinoseki, JMK Shirataka, JYS Yanaizu, JFY Kaneyama, JYK Matsushiro Arr, MJAR Matsushiro, MAT MAT, H1N2 WAKE ISLAND Hy 27.92 122 T, H1N1 WAKE ISLAND Hy 27.93 122 T, H1N3 WAKE ISLAND Hy 27.94 122 T, H1S1 WAKE ISLAND Hy 28.66 124 T, H1S3 WAKE ISLAND Hy 28.66 124 T, H1S2 WAKE ISLAND Hy 28.67 124 T, MKAR Makanchi Array, WRA Warramunga Arr.

IDC 01 01:37:46.2.1.8, 1.40N: 93.64E, h0km, mb3.6/5, mb1 3.8/8, mb1mx3.6/34, mbtmtp3.7/8, ML4.0/3, MS3.7/4, Ms1 3.7/4, ms1mx3.2/46, Error ellipse: s-maj=46.2km s-min=22.9km az=50.0. ISJCJB 01 01:37:49.1.1.0, 1.50N: 0.1: 93.7E: 0.1, h33km, mb3.6/5, MS4.3/2, Error ellipse: s-maj=21.1km s-min=13.2km az=27.8. ISC 01 01:37:51.3.1.3, 1.50N: 0.2: 93.7E: 0.1, h33km, n13, 0:061/8, mb3.8/5, Off west coast of northern Sumatara. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PSI Prapat, PSI comp=Z, 1.18nm, 20.5s, baz=270, slow=41, PALK Pallekele, PALK comp=Z, 0.8nm, 0.3s, baz=116, slow=7.1, SNR=1.2, CMAR Chiang Mai Arr, CMAR comp=Z, 0.8nm, 18.5s, baz=355, slow=36, H0S2 Diego Garcia H, H0S3 Diego Garcia H, H0S1 Diego Garcia H, WRA Warramunga Arr.

IDC 01 01:59:02.4.1.0, 39.15N: 75.89E, h0km, mb3.6/9, mb1 3.6/15, mb1mx3.5/8, mbtmtp3.5/15, ML3.0/5, Error ellipse: s-maj=18.1km s-min=13.8km az=74.0. SOME 01 01:59:00.9.39:30N: 75.75E, h0km, KRNET 01 01:59:01.9.0.1, 39.12N: 75.58E, mb4.2, BUI 01 01:59:02.7.39:22N: 75.62E, h6km, mb4.1/1, mb4.0/1, ML4.0/7, NNC 01 01:59:05.5.2.39:39N: 75.67E, h13km, 9km, mb4.2, mpv3.8, Error ellipse: s-maj=19.17km s-min=7.4km az=172.0. ISC 01 01:59:02.7.1.5, 39.34N: 0.04: 75.67E: 0.03, h6km, 9km, n76, 0:262/12, mb3.6/8, 43C-22, Southern Xinjiang. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BUTP Butuan, BUTP BUTP, MSLP Maasin, MSLP Musuan, BUKP BUKP, ISJCJB 01 01:59:02.4.1.0, 39.15N: 75.89E, h0km, mb3.6/9, mb1 3.6/15, mb1mx3.5/8, mbtmtp3.5/15, ML3.0/5, Error ellipse: s-maj=18.1km s-min=13.8km az=74.0, SOME 01 01:59:00.9.39:30N: 75.75E, h0km, KRNET 01 01:59:01.9.0.1, 39.12N: 75.58E, mb4.2, BUI 01 01:59:02.7.39:22N: 75.62E, h6km, mb4.1/1, mb4.0/1, ML4.0/7, NNC 01 01:59:05.5.2.39:39N: 75.67E, h13km, 9km, mb4.2, mpv3.8, Error ellipse: s-maj=19.17km s-min=7.4km az=172.0, ISC 01 01:59:02.7.1.5, 39.34N: 0.04: 75.67E: 0.03, h6km, 9km, n76, 0:262/12, mb3.6/8, 43C-22, Southern Xinjiang. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BUTP Butuan, BUTP BUTP, MSLP Maasin, MSLP Musuan, BUKP BUKP, KSH Kashi, KSH KSH, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan.

IDC 01 01:59:02.4.1.0, 39.15N: 75.89E, h0km, mb3.6/9, mb1 3.6/15, mb1mx3.5/8, mbtmtp3.5/15, ML3.0/5, Error ellipse: s-maj=18.1km s-min=13.8km az=74.0. SOME 01 01:59:00.9.39:30N: 75.75E, h0km, KRNET 01 01:59:01.9.0.1, 39.12N: 75.58E, mb4.2, BUI 01 01:59:02.7.39:22N: 75.62E, h6km, mb4.1/1, mb4.0/1, ML4.0/7, NNC 01 01:59:05.5.2.39:39N: 75.67E, h13km, 9km, mb4.2, mpv3.8, Error ellipse: s-maj=19.17km s-min=7.4km az=172.0. ISC 01 01:59:02.7.1.5, 39.34N: 0.04: 75.67E: 0.03, h6km, 9km, n76, 0:262/12, mb3.6/8, 43C-22, Southern Xinjiang. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BUTP Butuan, BUTP BUTP, MSLP Maasin, MSLP Musuan, BUKP BUKP, KSH Kashi, KSH KSH, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan.

IDC 01 01:59:02.4.1.0, 39.15N: 75.89E, h0km, mb3.6/9, mb1 3.6/15, mb1mx3.5/8, mbtmtp3.5/15, ML3.0/5, Error ellipse: s-maj=18.1km s-min=13.8km az=74.0. SOME 01 01:59:00.9.39:30N: 75.75E, h0km, KRNET 01 01:59:01.9.0.1, 39.12N: 75.58E, mb4.2, BUI 01 01:59:02.7.39:22N: 75.62E, h6km, mb4.1/1, mb4.0/1, ML4.0/7, NNC 01 01:59:05.5.2.39:39N: 75.67E, h13km, 9km, mb4.2, mpv3.8, Error ellipse: s-maj=19.17km s-min=7.4km az=172.0. ISC 01 01:59:02.7.1.5, 39.34N: 0.04: 75.67E: 0.03, h6km, 9km, n76, 0:262/12, mb3.6/8, 43C-22, Southern Xinjiang. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BUTP Butuan, BUTP BUTP, MSLP Maasin, MSLP Musuan, BUKP BUKP, KSH Kashi, KSH KSH, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan.

IDC 01 01:59:02.4.1.0, 39.15N: 75.89E, h0km, mb3.6/9, mb1 3.6/15, mb1mx3.5/8, mbtmtp3.5/15, ML3.0/5, Error ellipse: s-maj=18.1km s-min=13.8km az=74.0. SOME 01 01:59:00.9.39:30N: 75.75E, h0km, KRNET 01 01:59:01.9.0.1, 39.12N: 75.58E, mb4.2, BUI 01 01:59:02.7.39:22N: 75.62E, h6km, mb4.1/1, mb4.0/1, ML4.0/7, NNC 01 01:59:05.5.2.39:39N: 75.67E, h13km, 9km, mb4.2, mpv3.8, Error ellipse: s-maj=19.17km s-min=7.4km az=172.0. ISC 01 01:59:02.7.1.5, 39.34N: 0.04: 75.67E: 0.03, h6km, 9km, n76, 0:262/12, mb3.6/8, 43C-22, Southern Xinjiang. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BUTP Butuan, BUTP BUTP, MSLP Maasin, MSLP Musuan, BUKP BUKP, KSH Kashi, KSH KSH, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan.

IDC 01 01:59:02.4.1.0, 39.15N: 75.89E, h0km, mb3.6/9, mb1 3.6/15, mb1mx3.5/8, mbtmtp3.5/15, ML3.0/5, Error ellipse: s-maj=18.1km s-min=13.8km az=74.0. SOME 01 01:59:00.9.39:30N: 75.75E, h0km, KRNET 01 01:59:01.9.0.1, 39.12N: 75.58E, mb4.2, BUI 01 01:59:02.7.39:22N: 75.62E, h6km, mb4.1/1, mb4.0/1, ML4.0/7, NNC 01 01:59:05.5.2.39:39N: 75.67E, h13km, 9km, mb4.2, mpv3.8, Error ellipse: s-maj=19.17km s-min=7.4km az=172.0. ISC 01 01:59:02.7.1.5, 39.34N: 0.04: 75.67E: 0.03, h6km, 9km, n76, 0:262/12, mb3.6/8, 43C-22, Southern Xinjiang. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BUTP Butuan, BUTP BUTP, MSLP Maasin, MSLP Musuan, BUKP BUKP, KSH Kashi, KSH KSH, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan.

ISCJCJB 01 00:45:49.9.2.2, 12.77N: 0.08: 90.27W: 0.06, h20km, 15km,

0.2nm, 0.9s, baz=295, slow=8.5, SNR=1.2. MKAR Makanchi Array, ASAR Alice Springs, SONM Sogingio Array, ZALV Zalesovo Beam, CTA Charters Tower, HFS Hagfors, ISJCJB 01 01:41:34.9.0.6, 37.42N: 0.03: 36.74E: 0.04, h5km, 8km, Error ellipse: s-maj=5.6km s-min=4.3km az=42.0, DDA 01 01:41:34.9.0.6, 37.44N: 0.03: 36.74E: 0.04, h7km, M2.6, ISK 01 01:41:34.4.0.7, 37.45N: 36.80E, h5km, ML1.9/6, ISC 01 01:41:34.8.1.0, 37.44N: 0.03: 36.77E: 0.03, h6km, 9km, n13, 0:043/19, Turkey. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR Makanchi Array, ASAR Alice Springs, SONM Sogingio Array, ZALV Zalesovo Beam, CTA Charters Tower, HFS Hagfors, ISJCJB 01 01:41:34.9.0.6, 37.42N: 0.03: 36.74E: 0.04, h5km, 8km, Error ellipse: s-maj=5.6km s-min=4.3km az=42.0, DDA 01 01:41:34.9.0.6, 37.44N: 0.03: 36.74E: 0.04, h7km, M2.6, ISK 01 01:41:34.4.0.7, 37.45N: 36.80E, h5km, ML1.9/6, ISC 01 01:41:34.8.1.0, 37.44N: 0.03: 36.77E: 0.03, h6km, 9km, n13, 0:043/19, Turkey. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR Makanchi Array, ASAR Alice Springs, SONM Sogingio Array, ZALV Zalesovo Beam, CTA Charters Tower, HFS Hagfors, ISJCJB 01 01:41:34.9.0.6, 37.42N: 0.03: 36.74E: 0.04, h5km, 8km, Error ellipse: s-maj=5.6km s-min=4.3km az=42.0, DDA 01 01:41:34.9.0.6, 37.44N: 0.03: 36.74E: 0.04, h7km, M2.6, ISK 01 01:41:34.4.0.7, 37.45N: 36.80E, h5km, ML1.9/6, ISC 01 01:41:34.8.1.0, 37.44N: 0.03: 36.77E: 0.03, h6km, 9km, n13, 0:043/19, Turkey. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR Makanchi Array, ASAR Alice Springs, SONM Sogingio Array, ZALV Zalesovo Beam, CTA Charters Tower, HFS Hagfors, ISJCJB 01 01:41:34.9.0.6, 37.42N: 0.03: 36.74E: 0.04, h5km, 8km, Error ellipse: s-maj=5.6km s-min=4.3km az=42.0, DDA 01 01:41:34.9.0.6, 37.44N: 0.03: 36.74E: 0.04, h7km, M2.6, ISK 01 01:41:34.4.0.7, 37.45N: 36.80E, h5km, ML1.9/6, ISC 01 01:41:34.8.1.0, 37.44N: 0.03: 36.77E: 0.03, h6km, 9km, n13, 0:043/19, Turkey. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR Makanchi Array, ASAR Alice Springs, SONM Sogingio Array, ZALV Zalesovo Beam, CTA Charters Tower, HFS Hagfors, ISJCJB 01 01:41:34.9.0.6, 37.42N: 0.03: 36.74E: 0.04, h5km, 8km, Error ellipse: s-maj=5.6km s-min=4.3km az=42.0, DDA 01 01:41:34.9.0.6, 37.44N: 0.03: 36.74E: 0.04, h7km, M2.6, ISK 01 01:41:34.4.0.7, 37.45N: 36.80E, h5km, ML1.9/6, ISC 01 01:41:34.8.1.0, 37.44N: 0.03: 36.77E: 0.03, h6km, 9km, n13, 0:043/19, Turkey. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR Makanchi Array, ASAR Alice Springs, SONM Sogingio Array, ZALV Zalesovo Beam, CTA Charters Tower, HFS Hagfors, ISJCJB 01 01:41:34.9.0.6, 37.42N: 0.03: 36.74E: 0.04, h5km, 8km, Error ellipse: s-maj=5.6km s-min=4.3km az=42.0, DDA 01 01:41:34.9.0.6, 37.44N: 0.03: 36.74E: 0.04, h7km, M2.6, ISK 01 01:41:34.4.0.7, 37.45N: 36.80E, h5km, ML1.9/6, ISC 01 01:41:34.8.1.0, 37.44N: 0.03: 36.77E: 0.03, h6km, 9km, n13, 0:043/19, Turkey. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR Makanchi Array, ASAR Alice Springs, SONM Sogingio Array, ZALV Zalesovo Beam, CTA Charters Tower, HFS Hagfors, ISJCJB 01 01:41:34.9.0.6, 37.42N: 0.03: 36.74E: 0.04, h5km, 8km, Error ellipse: s-maj=5.6km s-min=4.3km az=42.0, DDA 01 01:41:34.9.0.6, 37.44N: 0.03: 36.74E: 0.04, h7km, M2.6, ISK 01 01:41:34.4.0.7, 37.45N: 36.80E, h5km, ML1.9/6, ISC 01 01:41:34.8.1.0, 37.44N: 0.03: 36.77E: 0.03, h6km, 9km, n13, 0:043/19, Turkey. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR Makanchi Array, ASAR Alice Springs, SONM Sogingio Array, ZALV Zalesovo Beam, CTA Charters Tower, HFS Hagfors, ISJCJB 01 01:41:34.9.0.6, 37.42N: 0.03: 36.74E: 0.04, h

1d 2h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like SFK, NRN, ARLS, KZA, ARSB, ULHL, DRK, KDJ, UCH, BOOM, AML, AAK, FRU1, TKM2, EKS2, KST, CHMS, ARK, IZV, BTK, TNS5, MTBS, DGS, MNAS, MDOK, AAA, KNC, USP, KOTS, KTBS, KURS, KUU, CHKK, SHLS.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like PDGK, IUG, ARXS, KK31, KK33, KK34, KK35, KK36, KK37, KK38, KK39, KK40, KK41, KK42, KK43, KK44, KK45, KK46, KK47, KK48, KK49, KK50, KK51, KK52, KK53, KK54, KK55, KK56, KK57, KK58, KK59, KK60, KK61, KK62, KK63, KK64, KK65, KK66, KK67, KK68, KK69, KK70, KK71, KK72, KK73, KK74, KK75, KK76, KK77, KK78, KK79, KK80, KK81, KK82, KK83, KK84, KK85, KK86, KK87, KK88, KK89, KK90, KK91, KK92, KK93, KK94, KK95, KK96, KK97, KK98, KK99, KK100.

2

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like BRLS, KST, BTLS, KTBS, ISCJB, IDC, NEIC, GCMT, ISC, CRZF, ABPO, BOSA, BOSB, OPO, SUR, SUR, SUR, LBTB, LBTB, MATP, MAW, KMBO, H08S1, H08S2, H08S3, H08S4, H08S5, H08S6, H08S7, H08S8, H08S9, H08S10, H08S11, H08S12, H08S13, H08S14, H08S15, H08S16, H08S17, H08S18, H08S19, H08S20, H08S21, H08S22, H08S23, H08S24, H08S25, H08S26, H08S27, H08S28, H08S29, H08S30, H08S31, H08S32, H08S33, H08S34, H08S35, H08S36, H08S37, H08S38, H08S39, H08S40, H08S41, H08S42, H08S43, H08S44, H08S45, H08S46, H08S47, H08S48, H08S49, H08S50, H08S51, H08S52, H08S53, H08S54, H08S55, H08S56, H08S57, H08S58, H08S59, H08S60, H08S61, H08S62, H08S63, H08S64, H08S65, H08S66, H08S67, H08S68, H08S69, H08S70, H08S71, H08S72, H08S73, H08S74, H08S75, H08S76, H08S77, H08S78, H08S79, H08S80, H08S81, H08S82, H08S83, H08S84, H08S85, H08S86, H08S87, H08S88, H08S89, H08S90, H08S91, H08S92, H08S93, H08S94, H08S95, H08S96, H08S97, H08S98, H08S99, H08S100.

1d 4h

2012 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, DSRI Dabo, STKA Stephens Creek, MKAR Makanchi Array.

ISCJB 01 03:34:01.90.3.4, 85N.0.04.80.61E.0.06, h10km, mb3.7/16, Error ellipse: s-maj=7.7km s-min=5.1km az=149.5

IDC 01 03:34:01.1.0.7.34.76N.80.72E, h0km, mb3.8/15, mb1 3.9/19, mb1mx3.8/56, mbtmp3.8/19, ML3.3/4, MS3.5/6, Ms1 3.5/6, ms1mx3.1/49, Error ellipse: s-maj=21.5km s-min=13.8km az=50.0

NEIC 01 03:34:02.9.0.4.34.77N.80.72E, h10km, mb4.1/1, Error ellipse: s-maj=8.8km s-min=7.8km az=47.0

ISC 01 03:34:03.0.4.0.6.34.85N.07.80.66E.0.06, h10km, n36, r136/35, mb3.7/16, Xizang

Main table of station data for the first section, including stations like NIL Niore, DANGSING, PKYN Pitthan, PKIN Phulchoki, AAK Ala-Archa, RAMN Ramite, MKAR Makanchi Array, KURBB Kurchatov Arra, KURK Kurchatov, ZALV Zalesovo Beam, BVAR Borovoye Array, ARKO Borovoye, CMAR Chiang Mai Arr, SONMG Songo Array, ULN Ulaanbaatar, PALK Pallekele, GNI Garni, BRTR Keskin Array B, KSRSS Korea Array, AKASG Malin Array B, FINES FINESS Array B, ARCES ARCESS Array B, GERES GERESS Array B, NOA NORSSAR Array B, ESDC Soneca Array, TORD Torodi Arr, ILAR Eielson Array, WRA Warramunga Arr, ASAR Alice Springs, BOSA Boshof, YKA Yellowknife Arr.

STR 01 03:34:13.8.0.4.49N.2.0.2, h10km, gkm, MLv0.9/6, Germany

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like KTD Kalmit, LANF Langenberg, ABH Altbau, KIZ Kirchzarten, KIZ Kirchzarten.

IDC 01 03:45:23.3.4.0.27.80S.140.73E, h0km, mb1 3.1/3, mb1mx3.0/28, mbtmp2.8/3, ML2.7/3, Error ellipse: s-maj=86.6km s-min=18.9km az=66.0, South Australia

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

IDC 01 03:51:41.7.2.4.37.46N.38.44E, h0km, mb3.6/2, mb1 3.5/5, mb1mx3.2/46, mbtmp3.3/5, ML3.0/3, MS2.9/1, Ms1 2.9/1, ms1mx2.2/43, Error ellipse: s-maj=31.3km s-min=14.2km az=83.0

DDA 01 03:51:42.8.37.47N.38.35E, h18km, M1.4, ISK 01 03:51:42.9.37.47N.38.37E, h9km, ML4.0/31, ISK 01 03:51:43.5.0.4.37.46N.0.02.38.38E.0.02, h9km, gkm, mb3.4/2, Error ellipse: s-maj=3.3km s-min=2.4km az=163.7

GII 01 03:51:47.9.0.0.37.46N.38.33E, h28km

ISC 01 03:51:44.0.0.8.37.50N.0.02.38.35E.0.02, h9km, gkm, n89, r0996/116, 8C-SD, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like ATAB Bozova, ATAB Bozova, URFA Urfa.

Main table of station data for the second section, including stations like URFA SANLIURFA_Merk, SURC SANLIURFA_SURC, AKCD Akcadag, GAZ Gaziantep, ELGZ Elazig, DARE Kahramanmaraş, KUZU Kuzuni, ELBS KAHRAMANMARAS, ELBS Darende-Malaty, HEKM Malatya_Hekimh, HEKM Malatya_Hekimh, DIYA Diyarbakir, CUCUR Gurin_S'VAS, ANDN Andirin, ANDN Andirin, PTK Pertek, MAZI Mazidag, KEMA Kemaliye, HANI Diyarbakir_Han, HANI Hani, SAIM ADANA, SAIM Saim, TNCI Tunceli-Merkez, REFA Refahiye_ERZ, REFA Refahiye, MARD Mardin, MARD Mardin, KANGAL_SIVAS, ILIC ilic-Erzincan, KOZT Kozan, TAHT Tahtakopr-Hat, CUALT Altinyagla-SIV, YURE YUREGIR, YURE YUREGIR, ERZIN Erzincan, SVAN Sirvan-Diyarba, SVAN Sirvan-Diyarba, BTMM Batman, BTMM Batman, BGOL Bingol, BGOL Bingol, BNGB Binyang'ji, BNN Binyang, CUZAR Zara_SIVAS, CUZAR Zara_SIVAS, CUZAR Uzunlu, KRTO Karakisa-Adana, CUSAR Karakisa-SIVAS, SCER sogukcermik, YEDI Yedisu-Bingol, SVK Sivk, BINGOL, SUSE Susehri, KELT Kelkit, KARO Karliova-Bingol, GULE Gulek, GUNT Guntur, ECAT Cat-ERZURUM, VRTB Varto-MUS, KOPT Kop Dag, GURO Guromyak-BITLI, MERS Mersin, BAYBURT, TOKT Tokat, TOKA Tokat, YOZ Yozgat, BAYT Ayd-entepe-Bay, BAYT Ayd-entepe-Bay, ESPY Espiye-Giresun, KIZK Kizilirmas, MLAZ Malazgirt-MUS, KOPR Koprukoy-ERZUR, YAPX Yaylat, KEBS Kebseri-Mersin, SULT Sulthanhan-AKS, EREN Erenkoy, IKL Isikli, CHOM Cayelli-Rize, TEVE Tevekati-Mersin, AKKU Akkuyu-Mersin, VANB Van, AGRB Hanur-Agray, BRTR Keskin Array B, BRTR Keskin Array B, BRTR Keskin Array B, BRTR Keskin Array B, NATI Nave Ativ, CSS Mathiatis, KSDI Kefar Szold, MMA0B Mount Meron ar, MMA1 Mount Meron Ar, MMA1 Mount Meron Ar, MMA1 Mount Meron Ar, HNTI Hanita, HNTI Hanita, BLGI Bet Lehem HaGe, ASF Jabal al Asfar, ASF Jabal al Asfar, MMLI Mount Malkishu, GNER Gerner, FINES FINESS Array B, JMA 01 03:58:35.9.0.1, 25.02N.125.33E, h61km, km, M3.8, Southwestern Ryukyu Islands

ISC 03 51 56.0 -0.5, coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like SLW Petit Monier, SLW Petit Monier, SLPA Patience, SLPA Patience, MCLT Moule a Chique, MCLT Moule a Chique, BELFOND Belfond, BIM Bigot, SFAN Fancy Village, SFAN Fancy Village, Crater Summit, Crater Summit, SVVC St. Vincent C, SVVC St. Vincent C, FDF Fort de France, FDF Fort de France, FDF Soufriere Volc, FDF Soufriere Volc, SVB Belmont, SVB Belmont, FCV Fort Charlotte, FCV Fort Charlotte, BGVH Gun Hill, BGVH Gun Hill, BGRHS BGRHS, BBSPP Saint Philip, BBSPP Saint Philip, DBCT Belle View Cho, DBCT Belle View Cho, DBCT Belle View Cho, DBCT Belle View Cho, MDN Morne-Daniel, MDN Morne-Daniel, MDN Morne-Daniel, MDN Morne-Daniel, BBL Barber's Block, BBL Barber's Block, MDPO Dominica; Chan, MDPO Dominica; Chan, MDPO Dominica, MDPO Dominica, MDVC Dominica, MDVC Dominica, MDVC Dominica, MDVC Dominica, MDPV Dominica, Penn, MDPV Dominica, Penn, GRHS Sisters, GRHS Sisters, MGG Marie-Galante, MGG Marie-Galante, MGG Marie-Galante, MGG Marie-Galante, GRHS Sauteurs, GRHS Sauteurs, MAGL Barre de l'ile, MAGL Barre de l'ile, TBG Guadalupe-3, TBG Guadalupe-3, FNG Fond-Bernard, FNG Fond-Bernard, PLA La Desirade, PLA La Desirade, DEG DEG, ABS La Joyeuse, An, ABS La Joyeuse, An, TSP Speyside, TSP Speyside, TSP Prospect, TSP Prospect, BOT Bacolet, BOT Bacolet, BOT Bacolet, BOT Bacolet, MLYT Lee's Yard, MLYT Lee's Yard, MLYT Lee's Yard, MLYT Lee's Yard, BRGY Bragg Peak, BRGY Bragg Peak, TRN Trinidad (W), TRN Trinidad (W), TRN Trinidad (W), TRN Trinidad (W), NEV Hard Times, NEV Hard Times, ANWB Willy Bob, ANWB Willy Bob, SEUS St. Eustatius, SEUS St. Eustatius.

IDC 01 04:37:04.4.2.7.6.19S.130.52E, h113km, 37km, mb3.3/1, mb1 3.4/5, mb1mx3.2/33, mbtmp3.8/5, Error ellipse: s-maj=73.7km s-min=21.4km az=88.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like SJUI Sorong, SJUI Sorong, SJUI Sorong, SJUI Sorong, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Array, MKAR Makanchi Array.

DDA 01 04:38:29.2.40.36N.27.05E, h14km, M12.5, ISK 01 04:38:29.7.40.42N.27.09E, h5km, ML2.1/7, ISK 01 04:38:30.1.1.1.40.37N.0.05.27.06E.0.06, h2km, 10km, Error ellipse: s-maj=10.3km s-min=4.9km az=41.3

ISC 01 04:38:30.2.1.2.40.41N.0.05.27.09E.0.05, h13km, gkm, n12, r0937/19, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like KRBG Karabiga-Canan, KRBG Karabiga-Canan, RKY Sarkoy-Tekirda, RKY Sarkoy-Tekirda, SART SART, RAKY Tekirdag, RAKY Tekirdag, KNL Baf-kesir, KNL Baf-kesir, KNL Baf-kesir, KNL Baf-kesir, KESN Edirne-Kesan, KESN Edirne-Kesan, KESN Edirne-Kesan, KESN Edirne-Kesan, SBT4 SBT4, EDC Edincik, EDC Edincik, CRU Corlu, CRU Corlu, DRLS Dursunbey, DRLS Dursunbey, DURS DURS, DURS DURS, ARMT Armutlu, ARMT Armutlu, SBT5 Esenkok-Cinarc, SBT5 Esenkok-Cinarc, RDO Rodhopi, RDO Rodhopi.

ISK 01 04:51:31.9.37.58N.32.19E, h5km, ML2.2/7, ISK 01 04:51:32.9.0.7.37.57N.0.03.32.16E.0.06, h3km, 10km, Error ellipse: s-maj=7.8km s-min=4.7km az=19.3

DDA 01 04:51:32.5.37.56N.32.20E, h3km, ML2.7, ISK 01 04:51:32.7.1.1.37.57N.0.03.32.20E.0.05, h12km, gkm, n13, r0512/20, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like KMER Konya-Meram, KMER Konya-Meram, KONT Konya-Tatoy, KONT Konya-Tatoy, KONT Konya-Tatoy, KONT Konya-Tatoy, LADK Ladik-KONYA, LADK Ladik-KONYA, DOGA KONYA_Doganhis, DOGA KONYA_Doganhis, KEPZ Antalya-Kepez, KEPZ Antalya-Kepez.

MEX 01 04:10:14.2.0.5.13.84N.92.55W, h40km, MD3.8, Off

1d 7h

Table with columns: KST, BTLS, BTLS, KTBS, KTBS, CHKK, CHKK. Rows include station names like Puka, Ulcinj, Dracevica, Mon, etc.

TIR 01 06:24:59.7, 41.87N; 19.57E, h7km, Mdz 8/4
SAR 01 06:24:59.7, 0.9, 41.79N; 19.73E, h3km, 3km, ML2.6/6
BEO 01 06:25:01.4, 0.3, 41.89N; 19.72E, h12km, 3km, ML2.4/10
PDG 01 06:25:01.2, 0.2, 41.87N; 19.64E, h7km, MD2.7/1,
ML2.6/14, Error ellipse: s-maj=0.3km s-min=0.4km az=0.0

Main table for 1d 7h section with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like PUK, ULC, DRME, etc.

ASRS 01 06:29:46.8, 53.70N; 91.02E, M3.6, Industrial explosion
(after: The Earthquakes of Russia in 2012. Obninsk, GS
RAS, 224p - CD-ROM, 2014)

Table for ZAAO Zalesovo Array with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

TIR 01 06:44:58.2, 39.36N; 20.47E, h3km, Mdz 2/5

2012 DEC

IDC 01 06:44:59.9, 1.4, 39.21N; 20.77E, h0km, mb3.8/4,
mb1 3.8/6, mb1mx3.5/49, mbmtmp3.6/6, ML3.3/2, Error
ellipse: s-maj=27.4km s-min=20.3km az=118.0
BEO 01 06:45:00.4, 0.9, 39.26N; 20.48E, h0km, 3km, ML3.0/5
ATH 01 06:45:01.5, 39.39N; 20.53E, h9km, 3km, ML3.0/9, Error
ellipse: s-maj=3.4km s-min=0.7km az=288.0
ISC/JB 01 06:45:01.6, 0.4, 39.39N; 20.02, 0.2, 48E, 0.13, h10km, 3km,
mb3.7/4, Error ellipse: s-maj=4.5km s-min=2.6km
az=155.4

THE 01 06:45:01.6, 39.38N; 20.53E, h0km, 1km, ML3.1/6, Error
ellipse: s-maj=1.2km s-min=0.3km az=25.0
ISC 01 06:45:01.4, 0.9, 39.36N; 20.02, 0.02, h9km, 7km,
n76, c121/108, mb3.8/4, Greece-Albania border region

Main table for 2012 DEC section with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Igomunitsa, Sagjadia, Janina, etc.

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comp=E, 0.5nm, 1.0s, baz=35, slow=11, SNR=2.4
MKAR Makanchi Array 44.70 59 P P 06 53 13.2 -1.4
ZALV Zalesovo Beam 44.92 49 P P 06 53 15.0 -1.2

SJA 01 06:52:19.5, 1.2, 32.36S; 71.89W, h4km, 13km, ML3.6,
MW3.8
GUC 01 06:52:19.5, 0.5, 32.29S; 71.68W, h29km, 3km, ML3.6
ISC 01 06:52:18.7, 1.1, 32.31S; 0.03, 71.87W, 0.08, h12km, 11km,
n29, c150/38, 4C-7D, Near coast of central Chile

Main table for 6 section with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ROCI, PEL, CMCH, etc.

IDC 01 06:58:42.2, 2.3, 39.63N; 143.36E, h0km, mb3.5/3,
mb1 3.4/5, mb1mx3.3/32, mbmtmp3.4/5, ML3.0/2, M3.0/2,
Ms1 4.0/2, ms1mx3.0/46, Error ellipse: s-maj=56.8km
s-min=26.5km az=82.0
JMA 01 06:58:44.5, 0.1, 39.92N; 143.51E, h30km, M3.3
ISC 01 06:58:41.6, 2.3, 39.75N; 0.06, 143.55E, 0.08, h9km, 13km,
n21, c210/22, mb3.5/3, Off east coast of Honshu

Table for JTH Tanohata with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

IDC 01 07:16:55.0, 2.0, 0.92N; 97.07E, h0km, mb4.0/6, mb1 4.0/8,
mb1mx2.3/74, mbmtmp3.9/8, ML3.8/2, MS3.0/2, Ms1 3.0/2,
ms1mx2.8/38, Error ellipse: s-maj=48.1km s-min=25.8km
az=58.0
ISC/JB 01 07:16:57.0, 1.5, 1.0N; 0.29E; 1.0, 2.2, h25km, mb4.0/6,
MS3.5/1, Error ellipse: s-maj=28.8km s-min=20.5km
az=151.1
ISC 01 07:16:58.8, 1.4, 1.0N; 0.1; 97.1E; 0.2, h25km, n15, c063/9,
mb4.1/6, Northern Sumatara

1d 8h

2012 DEC

Table with columns: RES, comp-Z, 20nm, 1.0s, baz=252, slow=6.5, SNR=3.6, LR, LR, 08 17 58.2, etc.

Table with columns: HVU, baz=308, SNR=13, Hansel Valley, 30.81 105 eP, P, 08 07 05.5 +2.0, etc.

Table with columns: SZCU, Shurtz Canyon, 33.84 110 eP, P, 08 07 31.5 +1.4, etc.

1d 8h

Table of satellite data for the first 8 hours, including station names like KSRS, KSRK, KSRM, and various array names like Korea Array, Wonyu Array, etc.

2012 DEC

Table of satellite data for December 2012, including station names like NVS, ZSNA, ZSNA, and various array names like Zalesovo Array, Zalesovo Beam, etc.

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Table of satellite data for the last 12 hours, including station names like BVAR, VSU, ZSN, and various array names like Borovoye Array, Zaisan, etc.

CMAR	comp=Z,83nm,0.7s,baz=19,slow=5.6,SNR=293	LR	LR	08 53 20.0	
CM01	Chiang Mai Arr	82.88 294	P	P	08 13 10.3 -0.6
CHEY	Chiang Mai	83.05 354	P	P	08 13 09.8 -2.0
ABA	Alger-Bouzare	83.18 18	P	P	08 13 12.5 +0.5
SHUT	Suhut-Afyon	83.18 356	eP	P	08 13 11.3 -1.0
ABMS	Boumerdes	83.26 18	P	P	08 13 13.2 +0.6
KULA	Kula-Manisa	83.27 358	eP	P	08 13 11.2 -1.5
SIRK	Sirma	83.28 293	P	P	08 13 13.9 +1.0
SUKH	Sukthothai	83.36 19	P	P	08 13 12.9 -0.5
EBNR	Beni Rached	83.38 19	P	P	08 13 14.3 +1.0
LADK	Ladik-KONYA	83.45 355	eP	P	08 13 12.6 -1.1
PBKT	Sadao Pong	83.49 291	P	P	08 13 13.3 -0.7
PBKT	Sadao Pong	83.49 291	P	P	08 13 13.1 -0.9
ECHA	Ech Chief	83.49 20	P	P	08 13 14.0 +0.2
CHAI	Chaiyaphum	83.56 290	P	P	08 13 13.5 -0.9
MAZI	Mazidag	83.56 348	eP	P	08 13 14.3 0.0
EANR	'Ain N'Sour	83.64 20	P	P	08 13 15.5 +0.9
CLTB	Caltabellotta	83.67 10	P	P	08 13 14.4 -0.4
CONY	Konya-TATY	83.71 355	eP	P	08 13 14.1 -0.8
EMHD	Djebel Mahoud	83.71 18	P	P	08 13 15.9 +0.8
URFA	Urfa	83.75 350	eP	P	08 13 15.9 +0.7
DFRA	Djebel Bou Aff	83.81 16	P	P	08 13 16.2 +0.5
KMR8	Kairuanmaras	83.85 351	eP	P	08 13 15.0 +1.0
ISP	Isparta	83.91 356	eP	P	08 13 13.6 -2.4
ISP	Isparta	83.91 356	eP	P	08 13 15.2 -0.9
ISP	Isparta	83.91 356	eP	P	08 13 15.2 -0.9
FAKI	Fak Fak	83.91 254	P	P	08 13 15.8 -0.3
FAKI	Fak Fak	83.91 254	P	P	08 13 15.7 -0.5
FOZT	Kozan	83.96 352	eP	P	08 13 15.5 -0.7
CMAH	Djebel Manchow	83.96 15	P	P	08 13 16.9 +0.6
OJGS	Djebel Guires	84.01 20	P	P	08 13 17.8 +1.2
ODJA	Bouhanifia	84.01 21	P	P	08 13 18.0 +1.5
CKFL	Kst-Lekehil	84.09 16	P	P	08 13 17.0 0.0
SETF	Setif	84.10 16	P	P	08 13 17.0 0.0
GAZ	Gaziantep	84.16 351	eP	P	08 13 17.7 +0.4
CASM	Ain Smara	84.19 16	P	P	08 13 17.8 +0.3
ETRT	Tiaret	84.22 20	P	P	08 13 18.6 +0.9
SUTO	Suluce-Ispart	84.23 356	eP	P	08 13 17.9 +0.2
KCHR	Kef el Ahmar	84.29 16	P	P	08 13 18.8 +0.7
ABSA	Djebel Ababsia	84.31 15	P	P	08 13 19.1 +1.0
CTEI	Djebel Teioual	84.38 16	P	P	08 13 19.9 +1.4
ITM	Ithomi	84.58 3	eP	P	08 13 16.3 -3.1
ITM	Ithomi	84.58 3	eP	P	08 13 18.7 -0.7
KKM	Kota Kinabalu	84.62 273	eP	P	08 13 20.2 +0.3
KKM	Kota Kinabalu	84.62 273	eP	P	08 13 21.0 +1.1
YURE	YURE GIBR	85.07 353	eP	P	08 13 20.0 +0.4
KIZK	Mersin	85.07 273	eP	P	08 13 20.2 -1.6
KEST	Kesra	85.09 13	P	P	08 13 22.3 +0.3
KEST	Kesra	85.09 13	P	P	08 13 22.4 +0.5
UTHA	Uthaltani	85.10 292	P	P	08 13 21.7 -0.5
KEBE	Keben-Mersin	85.13 354	eP	P	08 13 21.0 -1.2
SRAK	Srakaw	85.14 289	P	P	08 13 20.4 -2.0
TEVE	Tevekkat-Mers	85.15 354	eP	P	08 13 20.7 -1.6
KMSI	Cibinong	85.18 263	eP	P	08 13 26.9 +3.0
BERE	Bereket-Mersin	85.25 284	eP	P	08 13 21.1 +1.6
IKLI	Isikli	85.34 354	eP	P	08 13 21.7 -1.4
GAZI	Gazipasa	85.41 355	eP	P	08 13 25.7 +2.2
TEKE	Tekeli-Mersin	85.47 354	eP	P	08 13 22.4 -1.3
WDD	Wied Dalam	85.51 9	P	P	08 13 23.6 -0.4
SRDT	SRDT	86.29 291	P	P	08 13 27.6 -0.5
Sanana	Sanana	86.37 260	P	P	08 13 26.9 -1.5
BNDI	Bandanaira	86.47 256	P	P	08 13 29.2 +0.3
LEF	Leofia	86.50 354	eP	P	08 13 28.2 -0.6
ANOK	Anokia	86.52 1	P	P	08 13 25.5 -3.6
IDI	Anovia	86.52 1	LR	LR	08 56 22.3
CSS	Mathiatis	86.63 354	eP	P	08 13 25.1 -4.4
CSS	Mathiatis	86.63 354	eP	P	08 13 29.2 -0.4
DZM	Mont Dzumac	86.64 216	eLR	LR	08 40 58.6
PATY	Pattaya	86.66 289	P	P	08 13 29.8 -0.1
NLAI	Namlea	86.81 259	P	P	08 13 31.4 +0.8
PHET	Kaeng Krachan	87.28 290	P	P	08 13 32.5 -0.4
MPSI	Mapaga	87.52 267	P	P	08 13 32.7 -1.3
APSI	Ampana	87.66 264	P	P	08 13 33.7 -1.0
COEN	Coen	88.24 240	P	P	08 13 36.5 -0.8
MMLI	Mount Malkishu	89.00 352	eP	P	08 13 39.4 -1.5
SBUM	Sibu	89.75 274	eP	P	08 13 45.2 +0.7
SBUM	Sibu	89.75 274	eP	P	08 13 45.0 +0.4
TSIU	Tana Toraja	90.42 265	P	P	08 13 46.5 -1.0
KZIT	Kziot	90.59 353	eP	P	08 13 46.5 -1.8
MTKI	Muara Teweh, K	91.22 270	P	P	08 13 52.5 +1.1
HRFI	Mount Harif	91.41 352	eP	P	08 13 54.8 +2.6
KRAB	Krabi	91.52 281	P	P	08 13 52.9 +0.1
TRIT	Trang	91.60 288	P	P	08 13 52.9 -0.3
PBA	Port Blair	91.69 296	eP	P	08 13 53.3 -0.2
SKLT	Songkhla	91.71 287	P	P	08 13 54.3 +0.6
ELAT	Elat	91.78 352	LR	LR	09 04 19.0
ELAT	Elat	91.78 352	LR	LR	09 04 19.0
SHME	Shamm	92.00 333	P	P	08 13 53.8 -1.1
STKI	Sintang	92.16 274	P	P	08 13 55.4 -0.3
CTAO	Charters Tower	92.30 234	eP	P	08 13 57.0 +0.8
CTAO	Charters Tower	92.30 234	eP	P	08 13 57.0 +0.8
HYB	Hyderabad	92.81 310	eP	P	08 13 58.0 -0.8
HYB	Hyderabad	92.81 310	eP	P	08 17 40.0 -1.4
PTGA	Pitinga	92.89 87	eP	P	08 13 58.4 -0.7
PTGA	Pitinga	92.89 87	eP	P	08 14 23.1 -0.6
HATD	Hatta, Dubai	93.17 333	P	P	08 13 59.3 -1.1
KULM	Kulim	93.31 286	eP	P	08 14 00.6 -0.5
KULM	Kulim	93.31 286	eP	P	08 14 01.0 0.0
ASUD	Asiyah	93.33 333	P	P	08 13 59.4 -1.7
ASUD	Asiyah	93.33 333	P	P	08 14 01.5 -0.5
SOEI	Soe	93.81 258	eP	P	08 14 02.1 -1.3
IPM	Ipoth	94.31 285	eP	P	08 14 02.6 -0.7
WSAR	Wadi Sarin	94.06 330	P	P	08 14 04.0 -0.4
WSAR	Wadi Sarin	94.06 330	P	P	09 01 02.5
MYKOM	Kota Tinggi	94.66 281	P	P	08 14 07.0 -0.2
PSI	Prapat	94.61 286	P	P	08 14 14.1 -0.8
PSI	Prapat	94.61 286	eP	P	08 14 13.8 -1.1
RAYN	Ar Rayn	96.60 342	eP	P	08 14 15.7 -0.4
RAYN	Ar Rayn	96.60 342	iP	P	08 14 15.9 -0.2
RAYN	Ar Rayn	96.60 342	eP	P	08 14 15.9 -0.2
RAYN	Ar Rayn	96.60 342	eP	P	08 14 15.9 -0.2
TAM	Tamanrasset	97.25 19	eP	P	08 14 18.8 -0.4
TAM	Tamanrasset	97.25 19	eP	P	08 14 18.8 -0.4
WRAB	Tennant Creek	97.52 244	eP	P	08 14 19.1 -0.9
WRAB	Tennant Creek	97.52 244	eP	P	08 14 19.5 -0.5
WRAB	Tennant Creek	97.52 244	eP	P	08 14 19.5 -0.5
WB2	Warramunga Arr	97.53 244	eP	P	08 14 18.8 -1.3

WR1	Warramunga Arr	97.53 244	eP	P	08 14 18.9 -1.1
WR1	Warramunga Arr	97.53 244	ePKIKP	PKIKP	08 18 53.5 -0.7
WRA	Warramunga Arr	97.53 244	eP	P	08 14 18.9 -1.1
WRA	Warramunga Arr	97.53 244	ePKIKP	PKIKP	08 18 53.5 -0.7
WRA	Warramunga Arr	97.53 244	eP	P	08 18 14.7 -4.1
WRA	Warramunga Arr	97.53 244	ePKIKP	PKIKP	08 18 53.5 -0.7
GSI	Gunungsitoli	98.27 286	eP	P	08 14 22.9 -0.7
FITZ	Fitzroy Springs	100.19 252	ePdif	Pdif	08 14 32.0 +0.1
AS01	Alice Springs	100.91 242	ePdif	Pdif	08 14 34.0 -1.1
AS01	Alice Springs	100.93 243	ePdif	Pdif	08 14 34.6 -0.6
AS01	Alice Springs	100.94 243	ePdif	Pdif	08 14 34.6 -0.6
LPAZ	La Paz	101.75 102	P	Pdif	08 14 37.5 -2.2
LPAZ	La Paz	101.75 102	P	Pdif	08 18 47.6 -3.9
LPAZ	La Paz	101.75 102	P	Pdif	08 19 01.9 -0.6
LPAZ	La Paz	101.75 102	P	Pdif	08 30 44.8 +1.9
TOA1	Torodi Ar. Sit	105.91 24	ePdif	Pdif	08 14 57.0 -0.6
TOA1	Torodi Ar. Sit	105.91 24	ePKIKP	PKIKP	08 19 08.6 -0.9
TOA1	Torodi Ar. Sit	105.91 24	ePKIKP	PKIKP	08 30 29.2 -0.2
TOA1	Torodi Ar. Sit	105.91 24	ePKIKP	PKIKP	08 14 57.0 -0.7
TORD	Torodi Ar. Bea	105.91 24	ePdif	Pdif	08 19 08.6 -0.9
TORD	Torodi Ar. Bea	105.91 24	ePKIKP	PKIKP	08 30 29.2 -0.2
TORD	Torodi Ar. Bea	105.91 24	ePKIKP	PKIKP	08 29 58.6 +0.4
NWAO	Narogin (SRO)	116.67 250	PKP	PKPpdf	08 19 28.5 -0.8
PLCA	Placa	120.67 119	PKP	PKPpdf	08 19 36.6 -0.2
PLCA	Placa	120.67 119	PKP	PKPpdf	08 20 02.1 -0.4
PLCA	Placa	120.67 119	PKP	PKPpdf	08 29 41.7 +0.4
KMBO	Kilima Mbogo	122.03 346	PKP	PKPpdf	08 19 41.0 +0.4
KMBO	Kilima Mbogo	122.03 346	PKP	PKPpdf	08 23 08.6
KMBO	Kilima Mbogo	122.03 346	PKP	PKPpdf	08 19 41.6
KMBO	Kilima Mbogo	122.03 346	PKP	PKPpdf	08 19 41.3 +0.7
KMBO	Kilima Mbogo	122.03 346	PKP	PKPpdf	08 20 03.5 +0.7
KMBO	Kilima Mbogo	122.03 346	PKP	PKPpdf	08 20 30.2 +1.8
LSZ	Lusaka	136.77 356	PKP	PKPpdf	08 19 54.9
LSZ	Lusaka	136.77 356	PKP	PKPpdf	08 20 06.0 -2.2
LSZ	Lusaka	136.77 356	PKP	PKPpdf	08 22 49.7 -1.3
LSZ	Lusaka	136.77 356	PKP	PKPpdf	08 23 32.0 -0.2
OPO	Ambohidratompo	137.09 329	PKP	PKPpdf	08 20 08.4 -0.4
OPO	Ambohidratompo	137.09 329	PKP	PKPpdf	08 23 32.8 -0.4
ABPO	Ambohimanpan	137.50 329	ePKPpdf	PKPpdf	08 20 11.3 +1.8
ABPO	Ambohimanpan	137.50 329	ePKIKP	PKPpdf	08 20 09.8 +0.3
VNDA	Vanda	138.49 193	PKP	PKPpdf	08 20 02.9
VNDA	Vanda	138.49 193	PKP	PKPpdf	08 20 09.9 +0.5
VNDA	Vanda	138.49 193	PKP	PKPpdf	08 23 35.4 +0.3
VNDA	Vanda	138.49 193	PKP	PKPpdf	08 20 02.9
VNDA	Vanda	138.49 193	PKP	PKPpdf	08 20 14.6 +3.1
VNDA	Vanda	138.49 193	PKP	PKPpdf	08 23 35.4 +0.3
TSUM	Tsumeb	140.26 12	PKP	PKPpdf	08 20 07.0
TSUM	Tsumeb	140.26 12	PKP	PKPpdf	08 23 42.0 0.0
TSUM	Tsumeb	140.26 12	PKP	PKPpdf	08 20 07.7
TSUM	Tsumeb	140.26 12	PKP	PKPpdf	08 23 42.0 0.0
BLWU	Bulawayo	141.59 356	ePKP	PKP	08 20 11.4
BLWU	Bulawayo	141.59			

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

IDD 01 08:51:04.6; 1.7; 16.13Sx173.61W, h0km, mb3.9/4, mb1 4.2/5, mb1mx3.8/43, mbtmt4.0/5, ML2.1, Error ellipse: s-maj=110.9km, s-min=21.3km az=147.0

NEIC 01 08:51:07.8; 0.4; 15.81Sx173.94W, h10km, mb4.2/3, Error ellipse: s-maj=8.7km, s-min=6.5km az=165.0

ISC 01 08:51:07.6; 0.7; 15.89S-0.07; 173.38W; 0.08, h26km, n19, z=111/20, mb4.3/7, Tonga Islands

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

TAP 01 08:52:20.3; 23.73N; 121.46E, h15km, ML1.8, C, Taiwan

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Suanglung, Suab, Yu-Shan, etc.

TAP 01 08:52:32.0; 24.48N; 121.69E, h14km; 1km, ML1.1, C, Taiwan

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

DDA 01 09:11:30.9; 37.47N; 30.95E, h7km, ML2.6

ISCJB 01 09:11:31.0; 0.9; 37.44N; 0.03; 30.96E; 0.04, h8km, 4km, Error ellipse: s-maj=5.7km, s-min=4.6km az=144.9

ISC 01 09:11:31.0; 0.9; 37.46N; 0.03; 30.94E; 0.03, h7km; 7km, n17, z=066/26, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Sutuce-Ispart, Isparta, Egridir - ISPA, etc.

ISK 01 09:24:36.6; 38.93N; 37.80E, h5km, ML2.1/3

DDA 01 09:24:37.6; 38.90N; 37.78E, h7km, ML2.6

ISCJB 01 09:24:38.0; 0.6; 38.93N; 0.05; 37.76E; 0.05, h13km; 6km, Error ellipse: s-maj=7.9km, s-min=6.9km az=158.6

ISC 01 09:24:37.9; 1.0; 38.30N; 0.04; 37.79E; 0.04, h15km; 9km, n11, z=055/16, Turkey

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

NEIC 01 09:30:00.0; 0.9; 30.58S; 176.90W, h35km, mb4.3/2, Error ellipse: s-maj=18.0km, s-min=8.4km az=107.0

IDD 01 09:30:09.1; 4.3; 30.09S; 177.78W, h60km; 31km, mb4.1/4, mb1 4.3/4, mb1mx3.7/29, mbtmt4.4/4, Error ellipse: s-maj=37.3km, s-min=32.5km az=146.0

ISC 01 09:30:04.0; 2.1; 30.49S; 0.08; 177.6W; 0.03, h33km, n16, z=153/17, mb4.5/5, Kermadec Islands

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

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

ISCJB 01 09:39:59.8; 0.8; 39.68N; 0.04; 29.46E; 0.06, h0km, Error ellipse: s-maj=7.8km, s-min=4.7km az=41.4

ISC 01 09:39:59.5; 39.60N; 29.34E, h11km, ML2.3/8, Suspected Mining explosion.

DDA 01 09:40:00.4; 39.67N; 29.43E, h7km, ML2.5, Suspected Mining explosion.

ISC 01 09:39:59.8; 1.1; 39.73N; 0.04; 29.43E; 0.06, h0km, n12, z=084/16, Turkey

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

SFS 01 09:45:31.0; 36.40N; 9.83W, h7km, ML3.4, SW. CABO DE SAN VICENTE

CNRM 01 09:45:31.2; 36.20N; 9.73W, h66km, ML3.7

MDD 01 09:45:31.8; 1.4; 36.30N; 9.92W, h38km; 24km, mbLg3.4/24, Error ellipse: s-maj=15.1km, s-min=8.0km az=42.0

INMG 01 09:45:32.5; 1.0; 36.27N; 9.85W, h31km, ML2.5, ML3.1, Error ellipse: s-maj=3.8km, s-min=2.4km az=72.0

IGL 01 09:45:32.0; 36.25N; 9.86W, h31km, ML3.3

ISC 01 09:45:28.7; 2.0; 36.31N; 0.06; 9.88W; 0.07, h26km; 15km, n85, z=177/147, 7C-2D, West of Gibraltar

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

MORF Marletele 1.40 44 I P Sb

MORF Marletele 1.40 44 P P Pb

MORF Marletele 1.40 44 eP Pb

MORF Marletele 1.40 44 eS Pb

MORF Marletele 1.40 44 eP Pb

MORF Marletele 1.40 44 eS Pb

MORF Marletele 1.40 44 eP Pb

MORF Marletele 1.40 44 eS Pb

MORF Marletele 1.40 44 eP Pb

MORF Marletele 1.40 44 eS Pb

MORF Marletele 1.40 44 eP Pb

MORF Marletele 1.40 44 eS Pb

MORF Marletele 1.40 44 eP Pb

MORF Marletele 1.40 44 eS Pb

MORF Marletele 1.40 44 eP Pb

MORF Marletele 1.40 44 eS Pb

MORF Marletele 1.40 44 eP Pb

MORF Marletele 1.40 44 eS Pb

MORF Marletele 1.40 44 eP Pb

MORF Marletele 1.40 44 eS Pb

MORF Marletele 1.40 44 eP Pb

MORF Marletele 1.40 44 eS Pb

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MORF Marletele 1.40 44 eS Pb

MORF Marletele 1.40 44 eP Pb

MORF Marletele 1.40 44 eS Pb

MORF Marletele 1.40 44 eP Pb

1d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ARK Arkit, IUG luzhny, BTK Batken, ARSB Arslanbob, MNAS Manas, KK31 Karatay Array, DRK Karakum, BRLS Borolday, AML Almayashu, MRKS Merke, SFK Sufi-Kurgan, SFK Sufi-Kurgan, EKS2 Erkin-Say, UCH Uchtor, KBK Karagaybulak.

IDC 01 12:03:57.8-7.7, 27.43S x 142.44E, h0km, mb1 2.9/3, mb1mx2.9/3.5, mbtmp2.7/3, ML2.3, Error ellipse: s-maj=122.8km s-min=22.5km az=78.0, Queen Island

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

MEX 01 12:18:30.6-0.8, 16.37N x 98.45W, h2km, MD3.7, Near coast of Guerrero

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

MAN 01 12:41:06.0, 10.56N x 122.44E, h35km, mb4.5, ML3.3, MS3.1, C, Panay

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GUIM Jordan, JAP San Jose, CUYO Cuyo Island.

MEX 01 12:51:49.7-0.4, 16.27N x 98.00W, h2km, MD3.7, Near coast of Guerrero

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

IDC 01 13:03:57.3-0.7, 29.91S x 112.07W, h0km, mb4.1/10, mb1 4.4/10, mb1mx4.2/29, mbtmp4.1/10, MS4.4/10, Ms1 4.4/15, ms1mx4.3/19, Error ellipse: s-maj=24.7km s-min=19.3km az=59.0

ISCJB 01 13:04:01.0-0.4, 30.48S x 0.05-111.63W, 0.09, h10km, mb4.4/54, MS4.5/16, Error ellipse: s-maj=11.3km s-min=6.8km az=159.2

GCMT 01 13:04:03.2-0.2, 30.14S x 0.1-112.06W, 0.01, h23km, 1km, MW5.2/118, Moment tensor: s64, c83, s118, c177, Duration: 0 Moment tensor: Scale 1016Nm; Mw=0.35z=15; Mw=4.4z=15; Mw=4.2z=15; Mw=0.18z=21; Mw=5.2z=13; Mw=0.91z=23; Best double couple: Mw: 0.8100 x 10^16 Np1: 0.339 0.0000, 0.889 0.0000, 0.173 0.0000, NP2: 0.69 0.0000, 0.883 0.0000, 0.1 0.0000, Principal axes: T 2.7260, Plg6.0000, Azm294.0000; N -0.3830, Plg83.0000, Azm154.0000; P -6.8680, Plg5.0000, Azm25.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

Triangular moment-rate function BUJ 01 13:04:04.4, 30.10S x 111.20W, h10km, mb5.1/1, Ms7 5.1/1 NEIC 01 13:04:05.2-0.4, 30.17S x 111.21W, h10km, mb4.6/46, Error ellipse: s-maj=11.3km s-min=5.6km az=53.0

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GO05 Hualae0, TAOE Nuku Hiva Isla, GO06 Curarehue, CHRN Cochrane, ROCI El Roble, PLCA Paso Flores, PLCA Paso Flores, PEL Peldehue, GO04 Tolmo Observa, LCO Las Campanas, TVO Taravao, GO03 Copiap, TIAR Tiarei, PPT2 Papeete2, PPT2 Papeete2, PPT Papeete, NNA Nana, LVC Limon Verde, USHA Ushuaia, TRQA Torquiste, LPAZ La Paz, LPAZ La Paz, OTAV Otavalo, CPUP Villa Florida, CPUP Villa Florida, TLIG Tiapa, ROSC El Rosal, ROSC El Rosal, ZAIG Zacatecas, LNIG Linares, HPIG Pitagoras, PTGA Pitagoras, SBA Scott Base, Vnda Vanda, Vnda Vanda, BDBF Brasilia, TX31 Lajitas Arr, TXAR Lajitas Arr, TXAR Linares, 319A Douglas, HKT Hockley, 435B Jarrell, GLA Glamis, WHTX Lake Whitney, NATX Nacogdoches, X16A Lo Via Camp, X18A Snowflake, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, U15A North Rim, MVAO Mesa Verde, CCUT Cedar City, S22A 4UR Ranch, Cre, PV19 Morning Glory, PV12 Saucer Basin, PV20 West Nyswonger, PV14 Lion Creek, Pa, PV10 Paradox Valley, NV11 Mina Array Sit, NVAR Mina Array Bea, NVAR North Rim, TMUT Trail Mountain, P17A Butcher Ranch, KSCO Kaye Sheddlock, NLU North Lily Min, KSU1 Kansas State U, JLU Jordanelle, T47A Sharon Grove, DZM Mont Dzumac, BW06 Boulder Array, PD31 Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, K22A Casper, ULM Lac du Bonnet, MAW Mawson, STKA Stephens Creek, YKA Yellowknife Arr, ASAR Alice Springs, WRA Warramunga Arr.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HO1W1 Cape Leeuwin H, HO1W2 Cape Leeuwin H, HO1W3 Cape Leeuwin H, NJ2 Nanjing, HHC Hu-ho-hao-te, KLMR Klumovskoe, AKASO Malin Array Be, XAN Xi'an, XAN Xi'an, XAN Xi'an, SONM Songo Array, CD2 Chengdu, CMAR Chiang Mai Arr, BRTR Keskin Array B, GTA Gaotai, ZALV Zalesovo Beam, ZALV Urumqi, WMQ Urumqi, MKAR Makanchi Array.

IDC 01 13:16:28.6-1.4, 3.60S x 139.80E, h84km, 21km, mb3.2/2, mb1 3.5/5, mb1mx3.2/31, mbtmp3.7/10, ML4.1/1, MS3.7/2, ms1mx2.8/17, Error ellipse: s-maj=37.6km s-min=18.0km az=130.0, Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura, JAY Jayapura, SIJI Sorong, WRA Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, ASAR Alice Springs, ASAR Alice Springs, ASAJ Asajikawa, ILAR Eielson Array.

IDC 01 13:30:57.0-1.0, 2.229N x 96.09E, h0km, mb3.7/9, mb1 3.9/10, mb1mx3.6/39, mbtmp3.7/10, ML4.1/1, MS3.7/2, ms1mx3.7/31, ms1mx3.0/41, Error ellipse: s-maj=47.4km s-min=13.2km az=65.0, ISCJB 01 13:30:58.0-0.4, 2.281N x 0.08-95E, 0.09, h32km, mb3.5/8, MS3.7/2, Error ellipse: s-maj=15.6km s-min=4.5km az=43.6

ISC 01 13:31:01.6-0.7, 23.0N x 0.1-96.1E, 0.1, h32km, n30, c138/29, mb3.7/8, Myanmar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SHL Shillong, SHL Shillong, CHTO Chiang Mai, CMMT Chiang Mai, PAVA Payao, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, NANT Nant, SUKH Sukhothai, UTTA Uttaradi, UTHA Uthaitani, UTHA Uthaitani, ODAN Odare, RAMM Ramite, JIRN Jiri, GUN Gumba, PKI Pulchoki, PKIN Pulchoki, KOLN Koldanda, DANN Dangsing, PYUN Pyun, PSI Prapat, PALK Pallekele, SONM Songo Array, MKAR Makanchi Array, AAK Ala-Archa, KURBB Kurchatov Arr, WARA Warramunga Arr, ASAR Alice Springs, KEST Keskin Array, ILAR Eielson Array, YKA Yellowknife Arr.

SOME 01 13:41:14.0, 41.83N x 77.42E, h5km KRNET 01 13:41:14.5, 0.1, 41.77N x 77.31E, h18km, mb2.7 KNET 01 13:41:18.4, 0.5, 41.91N x 77.08E, h0km, ml2.1, Error ellipse: s-maj=6.6km s-min=4.3km az=13.0

ISC 01 13:41:14.7, 4.4133N x 104.7730E, 0.02, h1km, 10km, n42z, c199/78, 28C-12D, Kyrgyzstan-Xinjiang border region

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

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like IKP, SPX, MONP2, etc.

1d 15h

comp=Z,39nm,18.1s,baz=290,slow=38
ILAR Eielson Array 97.88 23 P P 15 13 49.7 -2.4
CPUP Villa Florida 146.12 225 PKPbc PKPbc 15 19 57.1 -0.3

IDC 01 15:02:06.42,9.9,12S:110:01E,h0km,mb3.4/3,
mb1 3.6/4,mb1mx3.4/40,mbtmp3.5/4,ML3.5/1,MS4.0/2,
Ms1 4.0/2,ms1mx3.0/27,Error ellipse: s-maj=138.6km
s-min=25.9km az=47.0
ISCJB 01 15:02:15.6,0.7,9:16S:0:05E:110:47E:0:05,h51km,
mb3.2/3,MS4.0/2,Error ellipse: s-maj=7.4km s-min=6.7km
az=25.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Pacitan, Wanagama, Wonogiri, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Warramunga, Alice Springs, Nakatsue, etc.

DJA 01 15:10:25.0,4.7,S:4:12'E, h158km,15km, M4.3/7,
mb4.2/7,mb5.0/2,MLV4.6/Mw(mb)4.3/2,Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Saumlaki, Fak Fak, Soe, etc.

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Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Chumysh, Tokmak 2, Tokmak 2, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Chengdu, Lanzhou, Lanzhou, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NORARS Subarra, NORARS Array B, etc.

ADC 01 18:07:11.4:7.0, 19.995x178.91W, h0km, mb3.4/3, mb1 3.7/7, mb1mx3.5/21, mbtomp3.4/3, Error ellipse: s-maj=304.9km s-min=37.7km az=145.0, Fiji Islands region

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

JMA 01 18:17:38.3:0.3, 37.97N:144.34E, h53km, M3.5, Off east coast of Honshu

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

ISCJB 01 18:23:25.3:0.4, 73.36N:0.03:8.0E:0.2, h11km, mb3.5/12, MS3.6/23, Error ellipse: s-maj=6.5km s-min=4.4km az=169.5

ADC 01 18:23:26.0:0.6, 73.34N:7.62E, h0km, mb3.5/12, mb1 3.7/17, mb1mx3.5/60, mbtomp3.6/17, ML3.3/5, MS3.7/27, Ms1 3.0/27, mb1mx3.5/52, Error ellipse: s-maj=15.7km s-min=10.2km az=60.0

NAO 01 18:23:25.7:1.6, 73.39N:7.88E, ML3.4 BER 01 18:23:29.7:4.2, 73.45N:7.74E, h22km, 40km, ML2.2, ML3.4(NAO)

ISC 01 18:23:27.1:0.6, 73.28N:0.06:7.74E:0.06, h11km, m73, s=233/69, mb3.5/12, MS3.6/22, Greenland Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BJO1 Bjornoya, HSPB Hornsund (broa), etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ARAO ACCESS Array S, ARCS ACCESS Array B, etc.

AKASO Malin Arr B 24.9 146 P P 18 28 47.0 +1.2 comp=Z, 1.2nm, 0.5s, baz=322, slow=9.4, SNR=4.9

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GERES GERESS Array B, ARU Arti, etc.

AKTO Aktuybinsk 31.33 109 LR LR 18 40 01.2 comp=Z, 0.8nm, 0.7s, baz=0.0, slow=6.1, SNR=3.6

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ARU Arti, DAVOX Davos/Dischmat, etc.

YKA comp=Z, 0.2nm, 0.6s, baz=23, slow=3.4, SNR=4.3

YLAR Eielson Array 41.7 344 P P 18 31 11.2 +0.4 comp=Z, 0.7nm, 0.8s, baz=6, slow=7.3, SNR=9.8

MKAR Makanchi Array 41.54 87 LR LR 18 52 34.4 comp=Z, 1.02nm, 16.7s, baz=336, slow=42

ULM Lac du Bonnet 46.36 300 LR LR 18 49 36.8 comp=Z, 0.5nm, 0.9s, baz=54, slow=34

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SADO Sado, SONMG Songoing Array, etc.

ATH 01 18:31:20.0, 35.53N:27.77E, h7km, 2km, ML2.3/2, Error ellipse: s-maj=5.1km s-min=1.3km az=139.0

ISK 01 18:31:20.1, 35.55N:27.80E, h10km, ML2.8/8 ISCJB 01 18:31:21.0:0.7, 35.56N:0.06:27.84E:0.06, h10km, Error ellipse: s-maj=9.5km s-min=4.6km az=144.3

ISC 01 18:31:21.1:1.4, 35.55N:0.07:27.83E:0.05, h10km, n18, s=0973/21, Docadese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ARG Arkhangelos, DAT Data, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NPS, ANAF Anafi Island, LAST Lasithi, etc.

ADC 01 18:37:10.5:1.5, 36.81N:144.38E, h0km, mb3.3/3, mb1 3.6/4, mb1mx3.3/57, mbtomp3.3/4, ML3.3/1, Error ellipse: s-maj=43.2km s-min=29.7km az=141.0

JMA 01 18:37:17.7:0.3, 36.80N:143.79E, h54km, M3.5 ISCJB 01 18:37:18.0:1.3, 36.83N:0.07:143.76E:0.09, h33km, mb3.4/3, Error ellipse: s-maj=10.5km s-min=8.5km az=20.7

ISC 01 18:37:16.1:1.3, 36.80N:0.08:144.02E:0.09, h35km, n17, s=154/24, mb3.5/3, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JIKH Ishinomakikobu, JKF Kawachi, etc.

ISCJB 01 18:39:37.5:0.3, 23.93S:0.03:66.83W:0.03, h213km, 3km, mb3.7/7, Error ellipse: s-maj=5.8km s-min=3.6km az=144

SJA 01 18:39:37.5:0.6, 23.91S:66.74W, h220km, 5km, ML3.3, MW4.1

NEIC 01 18:39:37.5:0.6, 23.99S:66.76W, h208km, 4km, mb4.5/3, Error ellipse: s-maj=14.3km s-min=7.5km az=92.0

ADC 01 18:39:38.5:1.1, 23.80S:66.64W, h202km, 9km, mb3.5/6, mb1 3.7/11, mb1mx3.5/41, mbtomp4.0/21, MS2.8/1, Ms1 2.9/1, ms1mx2.5/18, Error ellipse: s-maj=18.4km s-min=12.6km az=20.0

GUC 01 18:39:39.4:0.7, 23.83S:66.81W, h201km, 8km, ML4.3 ISC 01 18:39:38.2:0.7, 23.90S:0.04:66.79W:0.05, h211km, 6km, n64, s=1819/2, mb3.8/7, 1D, Jujuy Province

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SLA San Lorenzo, SLA San Lorenzo, etc.

MW4.9/6.4, Moment Tensor Solution. s27,c33; s64,c83; Duration: 0 Moment tensor: Scale 10¹⁶Nm; Mw2.96t.23; Mw-0.35t.15; Mw-2.6t.14; Mw0.92t.30; Mw-0.91t.09; Mw1.15t.21; Best double couple: Mw3.29100t.1016 NP1.28.00000t.658.00000t.199.00000t. NP2: 0.192.00000t.633.00000t.176.00000t. Principal axes: T 3.3370, P1g75.0000t, Azm322.0000t; N -0.0970, P1g7.0000t, Azm203.0000t; P -3.2440, P1g13.0000t, Azm111.0000t; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular

moment-rate function
 ISC 01 20:10:17.24.0.20.75S.0110.174:09W.0'09.h27km, n144, c1558/123, mb4.8/39, MS4.2/26, 11C-4D, Tonga Islands

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
NIUE	Niue	4.25	18	ePn	Pn	20 11 14.3	-5.9
NIUE	Afiameu	7.15	18	eSn	Pn	20 11 56.1	-13
AFI	13nm,0.3s,baz=193,slow=6.3,SNR=10				Sn	20 13 12.3	-8.3
AFI	12nm,0.3s,baz=89,slow=20,SNR=4.5				LR	20 14 41.3	
AFI	12nm,0.3s,baz=191,slow=38				LR	20 14 41.3	
AFI	Afiameu	7.15	18	ePn	Pn	20 11 56.1	-4.1
AFI	Papeete	23.36	86	eSn	Pn	20 13 08.0	-13
RAR	Rarotonga	13.38	95	ePn	Pn	20 13 18.0	-7.4
RAR	9.0nm,0.3s,baz=272,slow=6.5,SNR=24				Sn	20 15 33.6	-20
RAR	3.8nm,0.3s,baz=125,slow=18,SNR=3.7				Sn	20 19 10.0	
RAR	comp=Z,472nm,18.3s,baz=276,slow=39				LR	20 14 26.6	-1.4
DZM	Mont Dzumac	18.18	262	eP	Pn	20 14 26.6	-1.4
DZM	0.2nm,0.3s,baz=74,slow=2.2				LR	20 20 21.6	
DZM	comp=Z,11m,19.7s,baz=92,slow=34				LR	20 14 31.9	+3.9
DZM	Mont Dzumac	18.18	262	eP	Pn	20 14 31.9	+3.9
DZM	82nm,1.1s				LR	20 18 47.9	
DZM	11m,22.4s				LR	20 14 24.0	-3.9
DZM	Mont Dzumac	18.18	262	ePn	Pn	20 14 24.0	-3.9
URZ	Urewera	19.04	202	eP	Pn	20 14 37.3	-0.7
URZ	1.3nm,0.3s,baz=319,slow=4.2,SNR=7.0				Sn	20 17 55.7	-15
URZ	0.3nm,0.3s,baz=180,slow=20,SNR=2.9				Sn	20 19 21.1	-7.3
TBI	Tubuai	22.96	101	eS	S	20 20 48.3	
TBI	313nm,28.2s				LR	20 19 28.1	-7.0
PPT2	Papeete	23.36	86	eS	S	20 20 55.0	
PPT2	876nm,28.2s,baz=274				LR	20 20 55.0	
PPT2	720nm,27.8s				LR	20 20 55.0	
PPT2	957nm,26.8s,baz=260				LR	20 20 55.0	
PPT	Papeete	23.36	86	eP	Pn	20 20 55.0	
PPT	comp=Z,161nm,18.4s,baz=228,slow=33				LR	20 20 55.0	
RPZ	Rata Peaks	26.04	205	eP	Pn	20 15 47.0	-1.2
RPZ	14nm,1.0s,baz=252,slow=9.6,SNR=2.2				LR	20 25 49.1	
RPZ	comp=Z,736nm,18.1s,baz=29,slow=36				LR	20 25 23.0	
HNR	Honiara	27.43	290	LR	LR	20 25 23.0	
HNR	comp=Z,339nm,19.3s,baz=148,slow=34				LR	20 26 09.7	
TAOE	Nuku Hiva Isla	34.79	75	eLR	LR	20 26 09.7	
TAOE	528nm,27.9s				LR	20 26 47.0	
RKT	Rikitea	36.28	101	eLR	LR	20 26 47.0	
RKT	750nm,31.5s				P	20 17 56.2	-1.8
STKA	Stephens Creek	40.93	245	eP	Pn	20 33 35.3	
STKA	1.4nm,0.4s,baz=90,slow=11,SNR=4.3				P	20 17 56.2	-1.8
STKA	comp=Z,287nm,18.8s,baz=57,slow=34				P	20 18 52.4	-2.0
STKA	Stephens Creek	40.93	245	eP	Pn	20 18 52.4	-2.0
ASAR	Alice Springs	49.04	256	P	P	20 38 45.7	
ASAR	2.7nm,0.8s,baz=94,slow=8.1,SNR=25				LR	20 38 45.7	
ASAR	comp=Z,179nm,18.1s,baz=11,slow=36				P	20 18 52.8	-2.8
WB2	Warramunga Arr	48.18	261	eP	Pn	20 18 52.8	-2.8
WRAB	Tennant Creek	48.18	261	eP	Pn	20 18 52.8	-2.8
WRAB	4.5nm,0.8s				P	20 18 53.1	-2.6
WR1	Warramunga Arr	48.18	261	eP	Pn	20 18 53.1	-2.6
WR1	6.3nm,0.9s				P	20 18 53.1	-2.6
WRA	Warramunga Arr	48.18	261	eP	Pn	20 18 53.1	-2.6
WRA	1.8nm,0.4s,baz=56,slow=7.6,SNR=56				LR	20 43 48.6	
SIJU	Si Jui	56.86	283	LR	LR	20 43 48.6	
SIJU	comp=Z,170nm,18.1s,baz=30,slow=36				P	20 20 08.7	+1.6
VNDA	Vanda	58.01	186	P	P	20 20 08.7	+1.6
VNDA	1.2nm,0.3s,baz=10.0,slow=13.2				P	20 20 26.6	+3.3
SOEI	Soeimo	60.17	270	eP	Pn	20 47 50.7	
SOEI	30nm,0.9s				LR	20 49 20.7	
BATI	Baumata	60.20	270	LR	LR	20 21 23.6	+1.6
BATI	comp=Z,154nm,18.6s,baz=128,slow=37				P	20 21 40.8	-1.6
DAV	Davao City (W)	65.38	288	LR	LR	20 21 40.8	-1.6
DAV	comp=Z,85nm,18.2s,baz=350,slow=36				P	20 54 13.2	
GSPA	South Pole Qui	69.32	104	P	P	20 21 40.8	-1.6
GSPA	22nm,1.3s				LR	20 21 40.8	-1.6
MJAR	Matsushiro Arr	72.64	321	P	P	20 21 40.8	-1.6
MJAR	2.3nm,0.6s,baz=164,slow=4.9,SNR=7.0				LR	20 21 40.8	-1.6
MJAR	comp=Z,40nm,18.1s,baz=155,slow=36				P	20 21 40.8	-1.6
MAJO	Matsushiro	72.64	321	P	P	20 21 40.8	-1.6
JOW	Kunigami	73.17	308	LR	LR	20 22 18.3	+0.7
JOW	comp=Z,156nm,21.4s,baz=146,slow=31				P	20 55 59.4	
LEM	Lembang	76.70	268	LR	LR	20 55 59.4	
LEM	comp=Z,118nm,18.4s,baz=164,slow=36				P	20 22 08.9	+1.5
ISA	Isabella Lake	76.94	44	eP	Pn	20 22 08.9	+1.5
ISIA	Mina Array Sit	78.74	41	eP	Pn	20 22 18.3	+0.7
ISIA	2.9nm,0.8s,baz=220,slow=9.2,SNR=11				P	20 50 20.2	
NVAR	Mina Array Sit	78.74	41	eP	Pn	20 22 18.3	+0.7
NVAR	comp=Z,198nm,19.6s,baz=351,slow=30				P	20 22 21.8	+0.1
NV11	Mina Array Sit	78.74	41	eP	Pn	20 22 21.8	+0.1
NV11	0.9nm,1.3s				P	20 22 21.8	+0.1
TPNV	Topop Spring	79.15	44	eP	Pn	20 22 21.8	+0.1
TPNV	14nm,1.6s				P	20 22 21.8	+0.1
KSRS	Korea Array	79.55	317	P	P	20 22 21.8	+0.1
KSRS	4.3nm,1.1s,baz=136,slow=6.0,SNR=7.7				LR	20 53 25.8	
KSRS	comp=Z,68nm,18.5s,baz=124,slow=33				P	20 22 21.8	+0.1
KSAR	Wonju Array Be	79.56	317	P	P	20 22 21.8	+0.1
KSAR	15nm,2.0s				P	20 22 23.0	+0.4
KS01	Wonju Array Si	79.58	317	eP	Pn	20 22 23.0	+0.4
X16A	Lo Mia Camp.P	80.95	48	P	P	20 22 29.1	-1.8
USRK	Ussuriysk Arr.	81.28	324	P	P	20 22 29.1	-1.8
USRK	0.8nm,0.5s,baz=139,slow=6.8,SNR=2.8				LR	20 54 55.7	
USRK	comp=Z,123nm,19.3s,baz=120,slow=33				P	20 22 39.6	+2.1
MTPU	Mount Pierson	82.42	45	eP	Pn	20 22 39.6	+2.1
MTPU	9.9nm,1.3s				P	20 22 37.3	-0.9
G08A	Pilot Rock	82.63	36	eP	Pn	20 22 44.9	+0.6
G08A	24nm,1.8s				P	20 22 45.3	+0.1
TMUT	Trail Mountain	83.75	44	eP	Pn	20 22 47.4	+1.1
TMUT	20nm,1.4s				P	20 22 47.4	+1.1
F10A	Beach Ranch, E	84.01	36	eP	Pn	20 22 47.4	+1.1
F10A	49nm,1.9s				P	20 22 54.0	+1.6
LTX	Lajitas	84.13	56	eP	Pn	20 22 47.4	+1.1
LTX	Lajitas Ar. Si	84.13	56	eP	Pn	20 22 47.4	+1.1
TX31	Lajitas Array	84.13	56	eP	Pn	20 22 47.4	+1.1
TXAR	Lajitas Array	84.13	56	eP	Pn	20 22 47.4	+1.1
P17A	Butcher Ranch,	84.15	44	eP	Pn	20 22 47.4	+1.1
P17A	11nm,1.3s				P	20 22 47.3	+1.2
HLID	Hailey	84.17	39	eP	Pn	20 22 51.2	+2.1
HLID	12nm,1.4s				P	20 22 50.2	+0.9
PV09	Paradox Valley	84.69	46	eP	Pn	20 22 50.2	+0.9
PV09	1.3nm,0.7s,baz=216,slow=9.7,SNR=4.0				LR	20 56 31.8	
ANMO	Albuquerque	84.73	50	eP	Pn	20 22 50.2	+0.9
ANMO	comp=Z,113nm,19.6s,baz=210,slow=33				P	20 22 50.2	+0.9
ANMO	Albuquerque	84.73	50	eP	Pn	20 22 50.2	+0.9
ANMO	7.2nm,1.4s				P	20 22 54.8	+1.6
TRF	Thorofore Moun	85.98	10	eP	Pn	20 22 54.8	+1.6
TRF	61nm,1.8s				P	20 22 55.9	+0.3
RND	Reindeer	86.19	11	eP	Pn	20 54 34.5	
RND	13nm,1.2s				LR	20 53 56.7	
CMIG	Mattias Romero	86.28	70	LR	LR	20 23 00.0	+2.6
CMIG	comp=Z,93nm,19.1s,baz=211,slow=30				P	20 23 00.0	+2.6
PLCA	Paso Flores	86.42	132	LR	LR	20 23 00.0	+2.6
PLCA	comp=Z,49nm,19.6s,baz=282,slow=30				P	20 23 00.0	+2.6
PLCA	Paso Flores	86.42	132	eP	Pn	20 23 00.0	+2.6
PLCA	30nm,1.7s				P	20 22 57.0	-0.8
PD31	Pinedale Array	86.67	42	eP	Pn	20 22 58.5	-0.3
PDAR	Pinedale Array	86.67	42	eP	Pn	20 22 58.5	-0.3
PDAR	0.4nm,0.5s,baz=209,slow=2.7,SNR=5.4				LR	21 00 18.2	

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
WRH	Wood River Hill	87.30	11	eP	Pn	20 23 01.4	+0.4
WRH	53nm,1.8s				P	20 23 02.3	+0.3
CCB	Clear Creek Bu	87.52	11	eP	Pn	20 23 02.9	+0.3
CCB	21nm,1.4s				P	20 23 02.7	-0.3
SNAA	Sanae	86.62	177	eP	Pn	20 23 02.7	-0.3
SNAA	7.7nm,1.2s				P	20 23 02.8	-0.5
MDM	Murphy Dome	87.73	11	eP	Pn	20 23 04.0	+0.7
MDM	8nm,1.1s				LR	20 56 11.5	
ILAR	Eielson Array	87.80	11	eP	Pn	20 23 03.8	+0.4
ILAR	Eielson Array	87.80	11	eP	Pn	20 23 04.0	+0.7
ILAR	7.7nm,1.3s,baz=216,slow=5.1,SNR=12				LR	20 56 11.5	
ILAR	comp=Z,80nm,18.6s,baz=81,slow=31				P	20 23 03.8	+0.4

1d 21h

Table of astronomical observations for 1d 21h, listing stations like SVE, ARAO, ARCES, etc., with columns for station name, coordinates, and observation details.

2012 DEC

Table of astronomical observations for 2012 DEC, listing stations like TLY, DMN, KKN, etc., with columns for station name, coordinates, and observation details.

32

Table of astronomical observations for 32, listing stations like BDFB, WR1, WRA, etc., with columns for station name, coordinates, and observation details.

Table with 5 columns: Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CUZAR, MAZI, HANI, MARD.

ISCJB 01 21:44:49.5:0.3, 22:34N:0:02:121:21E:0:02, h27km, 2km, Error ellipse: s-maj=3.1km s-min=2.8km az=160.2

TAP 01 21:44:50.1, 22:36N:121:15E, h24km, ML3.4, C

JMA 01 21:44:54.6:0.1, 22:76N:121:25E, h16km, 2km

ISC 01 21:44:49.3:1.0, 22:40N:0:02:121:19E:0:02, h15km, 8km, n101, s1913/166, 1C-2D, Taiwan region

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like TAW, ECL, EAST, TTN, etc.

Main station list table with columns: Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like WJS, WLS, SMLT, WNT, etc.

IDC 01 21:46:21.4:4.4, 14:31S:128:66E, h0km, mb3.5/1, mb1 3.7/4, mb1mx3.4/32, mbtmp3.5/4, ML3.3/3, Error ellipse: s-maj=44.4km s-min=21.9km az=170.0, Western Australia

Table with 5 columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like FITZ, BATI, WRA, ASAR, SIJI, STKA.

IDC 01 21:50:49.7:1.3, 5:61S:142:50E, h0km, mb3.9/2, mb1 4.0/4, mb1mx3.7/25, mbtmp3.8/4, ML1.6/1, MS3.3/1, Ms1 3.3/1, ms1mx2.6/28, Error ellipse: s-maj=41.7km s-min=22.0km az=60.0, New Guinea

Table with 5 columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JAY, PMG, WRA, ASAR, MKAR, ILAR.

BJI 01 22:08:49.0, 27:50N:53:70E, h7km, mb4.7/33, mb4.9/21, Ms4.6/8, Ms7 4.4/6

THR 01 22:08:50.1:0.3, 27:34N:53:70E, h15km, ML4.2

ISCJB 01 22:08:51.9:0.1, 27:56N:0:02:53:64E:0:02, h16km, mb4.6/4, MS3.5/2, Error ellipse: s-maj=3.0km s-min=2.1km az=136.4

NEIC 01 22:08:51.1:0.0, 27:47N:53:66E, h12km, mb4.5/34, MN4.3(TEH), After TEH.

MOS 01 22:08:52.1:1.0, 27:53N:53:66E, h21km, mb4.7/46, Error ellipse: s-maj=6.7km s-min=4.5km az=104.1

TEH 01 22:08:53.2, 27:55N:53:66E, h21km, ML4.2

DSN 01 22:08:55.7:0.3, 27:52N:53:65E, h30km, mb4.6/3, ML4.0/10, Error ellipse: s-maj=5.6km s-min=3.6km az=42.0

OMAN 01 22:08:55.1:1.0, 27:37N:53:66E, h10km, Error ellipse: s-maj=14.8km s-min=9.2km az=22=51.0

IDC 01 22:08:59.5:3.4, 27:57N:53:66E, h70km, 31km, mb3.9/26, mb1 4.0/30, mb1mx4.0/38, mbtmp4.2/30, ML3.6/4, MS3.6/2, Ms1 3.5/2, ms1mx2.9/32, Error ellipse: s-maj=14.9km s-min=10.7km az=164.0

ISC 01 22:08:53.4:0.3, 27:57N:0:04:53:73E:0:03, h16km, n313, s134/326, mb4.5/84, 15C-6D, Southern Iran

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JHRM, GENO, SHI, SHME, NIAN, BANOM, MSFE, NAZ, ASUD, FAQ, NGRK, UOSS, HATD, ASHO.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like PSZ, BLY, LANS, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like BOD, NJ2, COCO, etc.

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

2d 0h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ZALV, FINES, ARCES, NOA, VAE, TORD, WRA.

UCR 01 23:27.51±1.5, 11.59N:86.35W, h65km±12km, MD3.6, ML2.7, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MASN, XAVN, MGAN, MGNP, CONN, MOMM, CNGN, BOAB, BOAC, ACON, ACON, CRIN, CRIN, MATN, MATN, MESS, PLVRS, PLVR, VCR, CSGN, CSGN, ESPN.

ISCJB 01 23:34.13±0.2, 51.54N:0.01±1.6E:0.02, h0km, mb3.7/11, Error ellipse: s-maj=2.1km s-min=1.9km az=16.8

LDG 01 23:34.14±0.2, 51.56N:16.23E, h1km, ML4.1/8, Error ellipse: s-maj=5.2km s-min=3.3km az=8.0, Suspected Mining induced.

IPEC 01 23:34.15±0.3, 51.55N:16.26E, h0km, ML3.5/3, Error ellipse: s-maj=2.0km s-min=1.5km az=33.0

BNS 01 23:34.16±0.3, 51.47N:16.19E, h1km, ML3.6

IDC 01 23:34.16±0.5, 51.54N:16.08E, h0km, mb3.6/10, mb1.3/8.18, mb1mx3.7/5.0, mbtmp3.6/18, ML3.2/8, Error ellipse: s-maj=8.8km s-min=5.3km az=105.0

PRU 01 23:34.16±0.0, 51.53N:16.14E, h0km

BGR 01 23:34.16±0.5, 51.53N:16.18E, h1km, ML4.0/14, Error ellipse: s-maj=5.6km s-min=2.2km az=24.0

VIE 01 23:34.18±0.6, 51.30N:16.18E, h0km, mb3.3/16, mb3.5/14, ms3.8/3, Error ellipse: s-maj=6.0km s-min=4.7km az=58.0 62 km WNW of Wroclaw Suspected Mining induced.

UPP 01 23:34.18±0.2, 51.73N:15.49E, h0km, ML2.6

ISC 01 23:34.14±0.4, 51.60N:0.02±16.17E:0.02, h0km, n151, s=179/221, mb3.7/11, 6C-8D, Poland

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KSP, DPC, PVCC, BRG, GKP, PRA, FBE, GPC, CLL, MORC, OKC, CHZP, VRAC, TREC, KRUC, TANN.

2012 DEC

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TANN, NOVY, BELSK, MOXA, MANZENBERG, ROTZENMUEHLE, GERESS, WETZELT, LANS, MODS, KOLL, NIE, NIE, VYHNE, BSD, CLS, CONA, GRF, SGP, MOA, KECS, KECS, KECS, KECS, LUND, ARSAR, ARSAR, PSZ, PSZ, KWP, KWP, TIH, TIH, KBA, KBA, SOKA, SOKA, PERS, PERS, DEL, DEL, GROS, GROS, OBKA, OBKA, WATA, WATA, WTTA, WTTA, MOTA, MOTA, TRPA, TRPA, RETA, RETA, ABTA, ABTA, SOTA, SOTA, KOE, KOE, HOBB, HOBB, CADS, CADS, OSKU, OSKU, MORH, MORH, BNS, BNS, BGG, BGG, FETA, FETA, VISS, VISS, GNOU, GNOU, DAVA, DAVA, STB, STB, EKSE, EKSE, VSTU, VSTU, HILG, HILG, DAVOX, DAVOX, DAVOX, DAVOX, DRGR, DRGR, SIRR, SIRR, CDF, CDF, LNKU, LNKU, VIKU, VIKU, BZS, BZS, IIGN, IIGN, BURAR, BURAR, HINF, HINF, ISAL, ISAL, NACGM, NACGM, IZAR, IZAR.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like IZAR, HAU, HAU, IDID, IDID, GIVF, GIVF, PAGF, PAGF, PAGF, PAGF, BAIF, BAIF, MDVR, MDVR, MEZF, MEZF, SFTF, SFTF, AKAS, AKAS, AKAS, AKAS, CABP, CABP, DOPR, DOPR, HFS, HFS, HFS, HFS, LPL, LPL, LPL, LPL, LOR, LOR, MBDF, MBDF, SSF, SSF, SMF, SMF, AVF, AVF, SBF, SBF, NOA, NOA, NOA, NOA, BRF, BRF, FINES, FINES, FINES, FINES, CAF, CAF, EKA, EKA, MTLF, MTLF, ARCES, ARCES, GNI, GNI, ARU, ARU, AKTO, AKTO, TORD, TORD, MKAR, MKAR, SONM, SONM, YKA, YKA, ILAR, ILAR, CMAR, CMAR, TXAR, TXAR.

NEIC 01 23:47.2±0.0, 15.68N:93.98W, h64km, MD4.1(MEX), After MEX.

MEX 01 23:47.2±0.0, 15.68N:93.98W, h64km±8km, MD4.1, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PCIG, PCIG, PCIG, PCIG, TGIG, TGIG, TGIG, TGIG, CMIG, CMIG, CMIG, CMIG, THIG, THIG, THIG, THIG, HUIG, HUIG, HUIG, HUIG, AMKA, AMKA, LSKA, LSKA, LSPA, LSPA, LSPA, LSPA, CEAP, CEAP, CEAP, CEAP, GAEA, GAEA, GAEA, GAEA, TAPF, TAPF, TAPF, TAPF, KIMD, KIMD, KIMC, KIMC, KIKV, KIKV.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KIRH Kanaga Island, SMY Shemya, ADK Adak, etc.

ISC 02 00:05:31.4+1.8,51.60N;0.09:16.02E;0.05,h0km,n13, e=67/27,Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSP Ksiaz, UPC Upiace, DPC Dobruska-Polom, etc.

IDC 02 00:15:42.9;63.0,12.93S;169.37E,h0km,mb3.7/3, mb1 3.8/3,mb1mx3.5/3,mbtmp3.7/3, Error ellipse: s-maj=1069.0km s-min=135.0km az=65.0, Santa Cruz 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.

NNC 02 00:15:55.0;1.2,52.286N;87.58E,h0km,mb4.0,mpv3.6, Error ellipse: s-maj=10.2km s-min=6.0km az=87.0, Suspected Mining explosion.

KRAR 02 00:15:48.1;0.1,52.822N;87.86E,M2.8,6C-5D,Industrial explosion (K1.12), Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014), Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZAA0 Zalesovo Array, ZAA0 46nm,0.6s, KURK Kurchatov, etc.

ISK 02 00:21:55.7,34.39N;32.93E,h5km,ML3.5/26 DDA 02 00:21:57.8,34.50N;33.09E,h7km,ML3.6

ISCBJ 02 00:21:57.9;0.6,34.45N;0.02;32.90E;0.03,h4km,4km, Error ellipse: s-maj=5.0km s-min=2.8km az=155.5

NIC 02 00:21:57.5;0.2,34.45N;0.02E,h5km,ML3.6 GII 02 00:21:59.7;0.0,34.62N;32.95E,h20km,MD2.6/4

HLW 02 00:22:01.9,34.38N;32.93E,h10km,18km,MD3.4

ISC 02 00:21:59.4;1.4,34.48N;0.03;32.97E;0.04,h3km,n11km, n76, e1506/96, Cyprus region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SZAC Souni, CSS Mathiatis, LEF Lefka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GULN Gulin, OREN Orenkoy-Mersin, YESI Yesilovacic-Me, etc.

IDC 02 00:30:43.1;2.0,36.79N;142.24E,h0km,mb3.6/4, mb1 3.7/5,mb1mx3.4/5,mbtmp3.6/5,ML3.4/1,MS2.4/2, MS1 2.4/2,ms1mx2.2/69, Error ellipse: s-maj=46.6km s-min=27.9km az=50.0

JMA 02 00:30:45.1;0.2,36.726N;142.08E,h61km,M3.3

ISC 02 00:30:46.2;1.2,36.36N;0.05;141.86E;0.08,h19km,n26, e169/23,mb3.6/4, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHYU Hitachinokayam, CHJO Chosi, JHYU Hitachinokayam, etc.

IDC 02 00:45:34.1;7.2,22.05S;170.48E,h151km,44km,mb3.0/2, mb1 3.3/3,mb1mx3.1/27,mbtmp3.5/3,MS2.4/1,MS1 2.4/1, ms1mx2.3/12, Error ellipse: s-maj=11.6km s-min=52.4km az=158.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

PRU 02 00:48:00.5;0.0,51.50N;16.12E,h0km,Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSP Ksiaz, UPC Upiace, DPC Dobruska-Polom, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PAJU Pajala, HEF Hetta, HEF Hetta, etc.

UPP 02 00:33:37.0;0.2,67.83N;20.22N;35E,h0km,ML1.9,Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KUA Kurravaara, RATU Laukkuluppa, NIKU Nikkaluokta, etc.

ISCBJ 02 00:39:57.8;1.3,36.26N;0.07;142.02E;0.1,h19km, mb3.7/5,MS4.8/1, Error ellipse: s-maj=13.6km

JMA 02 00:39:59.3;0.3,36.26N;142.11E,h71km,M3.3

IDC 02 00:40:00.3;1.6,36.27N;0.06;142.02E;0.10,h19km,n28, e088/21,mb3.7/5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHJO Chosi, JHYU Hitachinokayam, JHYU Hitachi, etc.

IDC 02 00:45:34.1;7.2,22.05S;170.48E,h151km,44km,mb3.0/2, mb1 3.3/3,mb1mx3.1/27,mbtmp3.5/3,MS2.4/1,MS1 2.4/1, ms1mx2.3/12, Error ellipse: s-maj=11.6km s-min=52.4km az=158.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

PRU 02 00:48:00.5;0.0,51.50N;16.12E,h0km,Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSP Ksiaz, UPC Upiace, DPC Dobruska-Polom, etc.

IDC 02 00:50:10.6;2.5,7.36S;128.29E,h0km,mb3.4/1, mb1 3.7/3,mb1mx3.4/41,mbtmp3.5/41,ML3.5/2, Error ellipse: s-maj=278.5km s-min=31.7km az=65.0, Banda Sea

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

BUJ 02 00:54:21.9, 17:04S; 167:62E, h30km, mb5.8/80, mB6.2/71, Mb1.5/339, ms1mms.5/40, mtbms.4/39, MLS.6.7/4, MSS.7/36, MS1.5/736, ms1mms.5/44, Error ellipse: s-maj=3.7km s-min=2.8km az=176.0
ISCJB 02 00:54:21.7, 0.8, 17:00S; 0:02:167:61E; 0:02:0, h36km, 6km, Mb5.9/321, MS6.0/215, Error ellipse: s-maj=3.7km s-min=2.8km az=176.0
MOS 02 00:54:21.8, 0.9, 16:95S; 167:65E, h33km, mb6.2/92, MS6.0/44, Error ellipse: s-maj=6.5km s-min=5.8km az=112.7
IDC 02 00:54:22.7, 1.7, 17:02S; 167:75E, h33km, 12km, mb5.2/36, mb1.5/339, ms1mms.5/40, mtbms.4/39, MLS.6.7/4, MSS.7/36, MS1.5/736, ms1mms.5/44, Error ellipse: s-maj=10.6km s-min=9.2km az=53.0
NEIC 02 00:54:22.7, 0.1, 16:98S; 167:65E, h32km, mb6.1/174, ME6.0, MS6.0/133, MW6.0, MW6.2, MW6.1, Error ellipse: s-maj=2.6km s-min=2.3km az=137.0, Moment Tensor Solution. s42 Moment tensor: Scale 10¹⁸Nm; Mr1.26; Ms0.46; M0.80; M0.25; M0.72; M0.20; Best double couple: M0.140000x10¹⁸ NP1.0s138.00000, s52.00000, s86.00000. NP2.0s325.00000, s38.00000, s96.00000. Principal axes: T 1.3000, Plg82.0000, Azm24.0000; N 0.1100, Plg3.0000; Azm141.0000; P -1.4100, Plg7.0000; Azm231.0000. Broadband fault plane solution: P wave velocity: 3.500000; 3.350000; 3.650000; 1.90.00000. NP2.0s170.00000, s55.00000; 1.90.00000. Principal axes: T Plg80.0000; Azm80.0000; N Plg0.0000; Azm0.0000; P Plg10.0000; Azm260.0000; Apparent Stress 0.40 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC Felt at Lamap and Port-Vila. Also felt at Noumea, New Caledonia.

NEIC 02 00:54:23.0, 0.0, 17:01S; 167:42E, h35km, Moment Tensor Solution. s44 Moment tensor: Scale 10¹⁸Nm; Mr1.58; Ms0.90; M0.68; M0.17; M0.35; M0.29; Best double couple: M0.170000x10¹⁸ NP1.0s135.00000, s51.00000, s95.00000. NP2.0s308.00000, s40.00000, s84.00000. Principal axes: T 1.6200, Plg3.0000; Azm77.0000; N 0.1600, Plg3.0000; Azm312.0000; P -1.7800, Plg5.0000; Azm221.0000.

GCMT 02 00:54:26.7, 0.1, 17:12S; 167:45E, h40km, MW6.1/150, Moment Tensor Solution. s149, c349; s150, c359; Duration: 2s8 Moment tensor: Scale 10¹⁸Nm; Mr1.70e+01; Ms0.91e+01; M0.78e+01; M0.19e+01; M0.107e+01; M0.036e+01; Best double couple: Mr1.85000x10¹⁸ NP1.0s138.00000, s51.00000, s96.00000. NP2.0s308.00000, s40.00000, s84.00000. Principal axes: T 1.7520, Plg82.0000; Azm83.0000; N 0.2130, Plg5.0000; Azm314.0000; P -1.9600, Plg6.0000; Azm224.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

NEIC 02 00:54:46.9, 0.0, 17:20S; 167:67E, h40km, Moment Tensor Solution. s8 Moment tensor: Scale 10¹⁸Nm; Mr2.11; Ms0.100; M0.111; M0.73; M0.103; M0.17; Best double couple: M0.20000x10¹⁸ NP1.0s326.00000, s38.00000, s96.00000. NP2.0s126.00000, s54.00000, s78.00000. Principal axes: T 2.2700, Plg77.0000; Azm355.0000; N -0.1000, Plg10.0000; Azm133.0000; P -2.1700, Plg8.0000; Azm225.0000.

ISC 02 00:54:23.2, 0.3, 17:03S; 167:68E; 0:03, h40km, 2km, h40km; p-P, N1468, e1949/1443, mb6.0/328, MS6.0/229, 127C-34D, Vanuatu Islands

Code	Station Name	Δ°	AZ°	Phase ID	ISC	h	m	s	ISC
DZM	Mont Dzumac	5.08	193	Op	Pn	00	55	37.6	+0.6
DZM		3.9m, 0.3s, baz=45, slow=17, SNR=150							
DZM		1.0m, 0.3s, baz=318, slow=21, SNR=10							
DZM		1.2m, 0.2s, baz=229, 21.3s, baz=357, slow=36							
DZM	Mont Dzumac	5.08	193	ePn	Pn	00	55	36.2	-0.8
DZM		8.0m, 0.2s							
DZM		6.0m, 0.3s							
DZM		312.0m, 24.1s							
DZM	Mont Dzumac	5.08	193	ePn	Pn	00	55	37.2	+0.2
DZM		1.0m, 0.3s, baz=168, slow=22, SNR=24							
HNR	Honiara	10.70	314	ePn	Pn	00	56	55.7	+1.7
HNR		49.0m, 0.3s, baz=350, slow=23, SNR=2.3							
HNR		comp=Z, 37.0m, 20.5s, baz=146, slow=34							
HNR	Honiara	10.70	314	ePn	Pn	00	56	53.2	-0.8
HNR	Honiara	10.70	314	ePn	Pn	00	58	52.0	-0.6
HNR		3.0m, 1.1s							
HNR	Norfolk Island	11.89	179	P		00	57	12.9	+2.3
HNR		baz=12, SNR=30							
FUNA	Funafuti	14.09	54	ePn	Pn	00	57	41.0	+0.6
LHI	Lord Howe Isla	16.35	207	ePn	Pn	00	58	10.9	+1.0
LHI		baz=16, SNR=6.4							
LHI	Lord Howe Isla	16.35	207	ePn	Pn	00	58	10.9	+1.0
LHI		2.0m, 1.8s							
EIDS	Eidsvold	17.51	239	P		00	58	26.1	+0.9
EIDS		baz=18, SNR=64							
EIDS	Eidsvold	17.51	239	ePn	Pn	00	58	26.1	+0.9
EIDS		3.0m, 1.1s							
RAO	Raoul Island	17.92	135	P		00	58	30.2	+0.5
RAO		18.0m, 0.3s, baz=76, slow=21, SNR=6.2							
RAO		comp=Z, 19.0m, 1.8s, baz=310, slow=34							
RAO	Raoul Island	17.92	135	ePn	Pn	00	58	30.8	+1.1
RAO		1.0m, 1.1s							
RAO	Raoul Island	17.92	135	ePn	Pn	00	58	30.8	+1.1
RAO		comp=Z, 1.0m, 1.1s							
Ouz	Omahuta	18.81	165	ePn	Pn	00	58	41.4	+1.2
Ouz		comp=Z, 312m, 1.0s							
TARA	Tarawa	19.05	16	ePn	Pn	00	58	42.6	-0.6
TARA		comp=Z, 3.0m, 1.6s							
ARMA	Armidale	19.75	225	P		00	58	52.9	+1.2
ARMA		baz=20, SNR=31							
ARMA	Armidale	19.75	225	ePn	Pn	00	58	51.9	+0.2
ARMA		comp=Z, 728m, 1.1s							
RMQ	Roma	19.88	239	P		00	58	54.2	+1.2
RMQ		baz=20, SNR=34							
RABL	Rabaul	19.90	308	ePn	Pn	00	58	52.8	-0.6
RABL		comp=Z, 1.0m, 1.3s							
AFI	Afiamau	20.05	84	P		00	58	53.1	-0.2
AFI		comp=Z, 3.2m, 0.3s, baz=46, slow=2.9, SNR=21							
AFI		comp=Z, 4.8m, 20.9s, baz=252, slow=32							
AFI	Afiamau	20.05	84	ePn	Pn	00	58	54.2	-1.0
AFI		comp=Z, 799m, 1.4s							
AFI	Afiamau	20.05	84	ePn	Pn	00	58	55.3	+0.1
AFI		comp=Z, 800m, 1.4s							
CTA	Charters Tower	20.52	258	P		00	59	00.2	-0.4
CTA		comp=Z, 229m, 1.2s, baz=83, slow=12, SNR=38							
CTA		comp=Z, 12m, 0.8s, baz=185, slow=15, SNR=1.5							
CTA		comp=Z, 36m, 18.5s, baz=86, slow=34							
CTA	Charters Tower	20.52	258	P		00	59	00.1	-0.5
CTA		comp=Z, 2.51m, 19.0s							
CTAO	Charters Tower	20.52	258	ePn	Pn	00	59	00.2	-0.4
CTAO		comp=Z, 857m, 1.5s							
CTAO		comp=Z, 5.1m, 19.0s							
CTAO	Charters Tower	20.52	258	ePn	Pn	00	59	00.2	-0.4
CTAO		comp=Z, 860m, 1.5s							
PMG	Port Moresby	21.37	288	P		00	59	08.7	+1.3
PMG		comp=Z, 55m, 1.1s, baz=93, slow=11, SNR=18							
PMG		comp=Z, 13m, 0.7s, baz=173, slow=21, SNR=2.0							
PMG		comp=Z, 38m, 19.1s, baz=104, slow=33							
PMG	Port Moresby	21.37	288	ePn	Pn	00	59	08.0	+0.6
PMG		comp=Z, 1.0m, 1.8s							
PMG		comp=Z, 860m, 1.5s							
PMG	Port Moresby	21.37	288	S		01	03	01.9	-0.8
PMG		comp=Z, 55m, 1.1s, baz=93, slow=11, SNR=18							
PMG		comp=Z, 13m, 0.7s, baz=173, slow=21, SNR=2.0							
PMG		comp=Z, 38m, 19.1s, baz=104, slow=33							
PMG	Port Moresby	21.37	288	S		01	03	01.9	-0.8
PMG		comp=Z, 55m, 1.1s, baz=93, slow=11, SNR=18							
PMG		comp=Z, 13m, 0.7s, baz=173, slow=21, SNR=2.0							
PMG		comp=Z, 38m, 19.1s, baz=104, slow=33							
PMG	Port Moresby	21.37	288	S		01	03	01.9	-0.8
PMG		comp=Z, 55m, 1.1s, baz=93, slow=11, SNR=18							
PMG		comp=Z, 13m, 0.7s, baz=173, slow=21, SNR=2.0							
PMG		comp=Z, 38m, 19.1s, baz=104, slow=33							
PMG	Port Moresby	21.37	288	S		01	03	01.9	-0.8
PMG		comp=Z, 55m, 1.1s, baz=93, slow=11, SNR=18							
PMG		comp=Z, 13m, 0.7s, baz=173, slow=21, SNR=2.0							
PMG		comp=Z, 38m, 19.1s, baz=104, slow=33							
PMG	Port Moresby	21.37	288	S		01	03	01.9	-0.8
PMG		comp=Z, 55m, 1.1s, baz=93, slow=11, SNR=18							
PMG		comp=Z, 13m, 0.7s, baz=173, slow=21, SNR=2.0							
PMG		comp=Z, 38m, 19.1s, baz=104, slow=33							
PMG	Port Moresby	21.37	288	S		01	03	01.9	-0.8
PMG		comp=Z, 55m, 1.1s, baz=93, slow=11, SNR=18							
PMG		comp=Z, 13m, 0.7s, baz=173, slow=21, SNR=2.0							
PMG		comp=Z, 38m, 19.1s, baz=104, slow=33							
PMG	Port Moresby	21.37	288	S		01	03	01.9	-0.8
PMG		comp=Z, 55m, 1.1s, baz=93, slow=11, SNR=18							
PMG		comp=Z, 13m, 0.7s, baz=173, slow=21, SNR=2.0							
PMG		comp=Z, 38m, 19.1s, baz=104, slow=33							
PMG	Port Moresby	21.37	288	S		01	03	01.9	-0.8
PMG		comp=Z, 55m, 1.1s, baz=93, slow=11, SNR=18							
PMG		comp=Z, 13m, 0.7s, baz=173, slow=21, SNR=2.0							
PMG		comp=Z, 38m, 19.1s, baz=104, slow=33							
PMG	Port Moresby	21.37	288	S		01	03	01.9	-0.8
PMG		comp=Z, 55m, 1.1s, baz=93, slow=11, SNR=18							
PMG		comp=Z, 13m, 0.7s, baz=173, slow=21, SNR=2.0							
PMG		comp=Z, 38m, 19.1s, baz=104, slow=33							
PMG	Port Moresby	21.37	288	S		01	03	01.9	-0.8
PMG		comp=Z, 55m, 1.1s, baz=93, slow=11, SNR=18							
PMG		comp=Z, 13m, 0.7s, baz=173, slow=21, SNR=2.0							
PMG		comp=Z, 38m, 19.1s, baz=104, slow=33							
PMG	Port Moresby	21.37	288	S		01	03	01.9	-0.8
PMG		comp=Z, 55m, 1							

ARU		PS	PKKPbc	01 23 39.5	+0.7			
ARU		SS	SS	01 29 46.4	-1.2			
ARU		SSS	SSS	01 34 01.4				
Z53A	Monticello	114.65	61	P	PKPdf	01 12 58.6	-1.0	
Y53A	Monroe	114.69	60	P	PKPdf	01 12 59.2	-0.5	
GOGA	Godfrey	114.75	61	PFAKE	LR	01 13 10.0	+1.0	
GOGA	Godfrey	114.75	61	P	PKPdf	01 12 59.3	-0.5	
V52A	Sevierville	114.82	58	P	PKPdf	01 12 59.8	-0.1	
P50A	Jamestown	114.85	54	P	PKPdf	01 12 59.0	-0.9	
S51A	Beattyville	114.93	56	P	PKPdf	01 12 59.9	-0.1	
X53A	Estanollee	114.97	59	P	PKPdf	01 12 59.7	-0.6	
O50A	Cable	115.01	53	P	PKPdf	01 12 59.3	-0.9	
AAM	Ann Arbor	115.03	51	PFAKE	LR	01 13 10.0	+1.0	
AAM	Ann Arbor	115.03	51	P	PKPdf	01 12 59.7	-0.6	
U52A	Thorn Hill	115.04	57	P	PKPdf	01 13 00.0	-0.7	
W53A	Cullowhee	115.13	59	P	PKPdf	01 13 00.0	-0.7	
Z54A	Sparta	115.26	61	P	PKPdf	01 13 00.1	-0.8	
T52A	Halle	115.39	57	P	PKPdf	01 13 00.6	-0.4	
P51A	Williamsport	115.42	54	P	PKPdf	01 13 00.4	-0.6	
Y54A	Tignal	115.44	60	P	PKPdf	01 13 00.5	-0.7	
V53A	Saluda	115.45	58	P	PKPdf	01 13 00.9	-0.3	
AKTO	Aktjubinsk	115.49	318	PKP	PKPdf	01 13 00.8	0.0	
ACSO	Alum Creek Sta	115.50	53	PFAKE	LR	01 13 10.0	+8.9	
ACSO	Alum Creek Sta	115.50	53	P	PKPdf	01 13 00.6	-0.5	
155A	Kite	115.53	62	P	PKPdf	01 13 01.2	-0.2	
GEYT	Alibek	115.59	304	PKP	PKPdf	01 13 01.0	-0.4	
U53A	Fall Branch	115.68	57	P	PKPdf	01 13 01.3	-0.3	
R52A	Catlettsburg	115.71	55	P	PKPdf	01 13 01.2	-0.4	
LPAZ	La Paz	115.77	118	PKP	PKPdf	01 13 02.5	-0.6	
Q52A	Bidwell	116.02	55	P	PKPdf	01 13 01.7	-0.4	
MDH	Madha	116.09	290	P	PKPdf	01 13 01.3	-1.4	
UOSS	Minaz	116.12	290	P	PKPdf	01 13 01.4	-1.4	
P52A	Corning	116.14	54	P	PKPdf	01 13 01.7	-0.6	
HATD	Hatta, Dubai	116.17	290	P	PKPdf	01 13 02.4	-0.5	
ASHO	Ashtiyah	116.22	289	P	PKPdf	01 13 02.5	-0.5	
O42A	Adamsville	116.37	53	P	PKPdf	01 13 02.3	-0.5	
D59A	Beulah Townshl	116.55	45	P	PKPdf	01 13 02.6	-0.3	
NAZ	Nazwa, Dubai	116.62	290	P	PKPdf	01 13 03.0	-0.7	
KMSC	Kings Mountain	116.63	59	P	PKPdf	01 13 03.1	-0.3	
FAQ	Al Faqa, Dubai	116.65	289	P	PKPdf	01 13 02.7	-1.0	
P53A	Whipple	116.71	54	P	PKPdf	01 13 03.2	-0.3	
ASUD	Al Ashush, Dub	116.87	289	P	PKPdf	01 13 04.1	-0.1	
KBS	Kingsbay	116.87	355	PFAKE	LR	01 13 20.0	+1.7	
SPAO	Spitsbergen Ar	117.31	354	ePKPdf	PKPdf	01 13 03.6	+0.1	
SPITS	Spitsbergen Ar	117.31	354	PKP	PKPdf	01 13 03.5	-0.1	
BLA	Blacksburg	117.44	57	PFAKE	LR	01 13 20.0	+1.5	
BLA	Blacksburg	117.44	57	P	PKPdf	01 13 04.1	-0.8	
NHSC	New Hope	117.48	61	PFAKE	LR	01 13 20.0	+1.5	
HOPEN	Hopen	117.55	351	ePKPdf	PKPdf	01 13 04.0	0.0	
D50A	G1974 Best Tow	117.59	45	P	PKPdf	01 13 04.5	-0.0	
F51A	Arnstein	117.63	47	P	PKPdf	01 13 04.3	-0.7	
N54A	Moraine State	117.78	52	P	PKPdf	01 13 05.1	-0.3	
TYNO	Tyneside	117.81	50	P	PKPdf	01 13 04.8	-0.6	
D51A	Lot 18 Range I	117.92	45	P	PKPdf	01 13 05.1	-0.4	
M54A	Oil Creek Stat	118.01	52	P	PKPdf	01 13 05.5	-0.4	
MTDJ	Mount Denham	118.16	78	PFAKE	LR	01 13 20.0	+1.3	
ROSC	El Rosal	118.16	94	PKP	PKPdf	01 13 06.8	-0.6	
HSBP	Hornsund (broa	118.42	353	ePKPdf	PKPdf	01 13 05.8	+0.1	
E52A	Mattawa	118.47	46	P	PKPdf	01 13 05.0	-1.6	
CPUP	Villa Florida	118.55	134	PKP	PKPdf	01 13 06.8	-0.6	
G53A	Haliburton	118.59	48	P	PKPdf	01 13 06.4	-0.4	
MATO	Matagami	118.78	42	P	PKPdf	01 13 06.0	-1.1	
O56A	Blue Knob Stat	118.88	53	P	PKPdf	01 13 07.0	-0.7	
ALGO	Algonquin Park	118.92	47	P	PKPdf	01 13 06.5	-1.0	
D53A	Lac Vacive, Po	119.05	45	P	PKPdf	01 13 07.4	-0.3	
E53A	Dumoine, Ponti	119.15	46	P	PKPdf	01 13 07.7	-0.2	
LSQQ	Lebel-sur-Quev	119.30	43	P	PKPdf	01 13 07.2	-0.9	
SSPA	Standing Stone	119.38	53	P	PKPdf	01 13 08.1	-0.4	
CNNC	Cliffs of the	119.45	59	PFAKE	LR	01 13 20.0	+1.1	
R58B	Mineral	119.46	56	P	PKPdf	01 13 08.0	-0.8	
E54A	Lac Daplat, Po	119.47	46	P	PKPdf	01 13 07.6	-1.0	
PEMO	Pembroke	119.51	47	P	PKPdf	01 13 07.8	-0.8	
D54A	Lac Fusel, La	119.75	45	P	PKPdf	01 13 08.2	-0.9	
CBN	Corbin Frederi	119.85	55	PFAKE	LR	01 13 20.0	+1.1	
FRB	Frisher Bay	119.88	25	PKP	PKPdf	01 13 08.3	-0.4	
G55A	Catalogie	119.92	47	P	PKPdf	01 13 08.7	-0.7	
PRGR	Permogore	119.94	332	ePKIPK	PKPdf	01 13 08.0	-0.9	
DAG	Danmarks Havn	120.21	2	P	PKPdf	01 13 08.1	-1.0	
DAG	Danmarks Havn	120.21	2	P	PKIPK	PKPdf	01 13 08.1	-1.0
GTBY	Guantanamo Bay	120.70	77	PFAKE	LR	01 13 20.0	+8.4	
BINY	Binghamton	120.72	51	PFAKE	LR	01 13 20.0	+8.9	
BINY	Binghamton	120.72	51	P	PKPdf	01 13 11.1	0.0	
ORIO	Orleans, Innes	120.74	47	P	PKPdf	01 13 10.1	-0.9	

CHQG	Chibougamau	120.84	42	P	PKPdf	01 13 09.5	-1.5
N59A	State Game Lan	120.97	52	P	PKPdf	01 13 11.3	-0.4
LVZ	Lozovro	121.16	34	PFAKE	LR	01 13 20.0	+8.8
LVZ	Lozovro	121.16	34	P	PKIPK	01 13 10.7	-0.5
ALFO	Alfuzze	121.16	47	P	PKPdf	01 13 10.6	-1.1
SUR	Sutherland	121.46	213	PFAKE	LR	01 13 30.0	+1.7
LONY	Lake Ozonia	121.50	48	PFAKE	LR	01 13 20.0	+7.5
LONY	Lake Ozonia	121.50	48	P	PKPdf	01 13 12.2	-0.3
APA	Apacity	121.73	341	P	PKIPK	01 13 11.6	-0.6
BOSA	Boshof	121.81	219	PKP	PKPdf	01 13 14.3	+0.5
KEV	Kevo	122.10	345	ePKPdf	PKPdf	01 13 12.6	-0.3
KEV	Kevo	122.10	345	ePKIPK	PKPdf	01 13 12.6	-0.3
HAMF	Hammerfest	122.24	347	ePKPdf	PKPdf	01 13 12.9	-0.2
LATQ	La Tuca	122.33	44	P	PKPdf	01 13 13.1	-0.8
PAL	Palisades	122.37	52	P	PKPdf	01 13 14.1	-0.2
SUMG	Summit	122.50	9	P	PKPdf	01 13 14.3	+0.2
SUMG	Summit	122.50	9	P	PKIPK	01 13 14.3	+0.2
ARCES	ARCCESS Array B	122.63	345	PKP	PKPdf	01 13 13.7	-0.3
ARCES	ARCCESS Array B	122.63	345	PKIPK	PKPab	01 23 08.0	+1.0
ARCES	ARCCESS Array B	122.63	345	PKIPK	PKPab	01 13 13.7	-0.3
AREO	ARECESS Array B	122.63	345	ePKPdf	PKPdf	01 13 13.8	-0.1
SDV	Santo Domingo	122.77	90	PKP	PKPdf	01 13 15.2	-0.8
SDV	Santo Domingo	122.77	90	ePKPdf	PKPdf	01 13 15.3	-0.8
KLMR	Klimovskoe	122.96	333	ePKIPK	PKPdf	01 13 12.0	-2.8
KLMR	Klimovskoe	122.96	333	ePKPdf	PKPdf	01 13 12.0	-2.8
KLMR	Klimovskoe	122.96	333	ePKIPK	PKPab	01 23 06.0	+0.2
LBNH	Lisbon	123.43	48	P	PKPdf	01 13 16.3	+0.1
MAK	Makhachkala	123.45	310	P	PKIPK	01 13 17.5	-1.3
AKT	Akhty	123.47	309	P	PKIPK	01 13 16.8	+0.3
KTKI	Kautokeino	123.56	345	ePKPdf	PKPdf	01 13 15.7	-0.1
SCHO	Schoenefville	124.03	95	PKP	PKPdf	01 13 16.9	-0.2
TROM	Tromso	124.05	347	ePKPdf	PKPdf	01 13 16.3	-0.3
SDDR	Presas de Saban	124.13	78	ePKPdf	PKPdf	01 13 18.5	+0.2
SFJD	Kangerlussuaq	124.31	17	PFAKE	LR	01 13 30.0	+1.3
SFJD	Kangerlussuaq	124.31	17	P	PKPdf	01 13 15.9	-1.3
SFJD	Kangerlussuaq	124.31	17	ePKIPK	PKPdf	01 13 15.9	-1.3
GRTK	Grand Turk	124.59	75	PFAKE	LR	01 13 30.0	+1.1
GROC	Groznyy	124.65	311	P	PKIPK	01 13 18.5	-0.1
PKME	Peaks-Kenny Pk	125.10	46	PFAKE	LR	01 13 30.0	+1.1
PKME	Peaks-Kenny Pk	125.10	46	P	PKPdf	01 13 19.7	+0.3
VRH	Novokhoporsky	125.48	321	ePKIPK	PKPdf	01 13 19.7	-0.2
RAYN	Ar Rayn	125.69	287	ePKPdf	PKPdf	01 13 21.8	+0.5
RAYN	Ar Rayn	125.69	287	P	PKPdf	01 13 21.5	+0.3
GNI	Garni	125.89	307	PKP	PKPdf	01 13 21.8	+0.5
GNI	Garni	125.89	307	ePKPdf	PKPdf	01 13 21.6	+0.3
GNI	Garni	125.89	307	P	PKPdf	01 13 21.7	+0.5
MOS	Moscow	126.08	328	ePKIPK	PKPdf	01 13 19.2	-1.7
MOS	Moscow	126.08	328	P	PKPdf	01 13 21.2	+0.3
MOS	Moscow	126.08	328	P	PKIPK	01 13 21.2	+0.3
ZEI	Tsey	126.09	311	P	PKIPK	01 13 19.6	-2.0
TRIS	Tristan da Cun	126.13	180	PFAKE	LR	01 13 30.0	+8.3
NCK	Nalchik	126.18	312	ePKIPK	PKPdf	01 13 22.2	+0.7
STEI	Steigen	126.22	347	ePKPdf	PKPdf	01 13 20.7	-0.1
GOF	Gofitskoye	126.25	314	ePKIPK	PKPdf	01 13 22.0	+0.4
SCO	Scoresbysund	126.30	41	P	PKPdf	01 13 21.2	+0.3
SCO	Scoresbysund	126.30	41	P	PKIPK	01 13 21.2	+0.3
LOF	Lofoten	126.39	348	ePKPdf	PKPdf	01 13 22.1	+0.9
ATD	Arta Tunnel	126.39	272	P	PKPdf	01 13 23.9	+1.1
ATD	Arta Tunnel	126.39	272	P	PKPdf	01 13 23.9	+1.1
IGDI	IGDIR	126.43	307	P	PKPdf	01 13 23.0	+0.8
YOVA	Hakkari, Y...	126.55	304	P	PKPdf	01 13 23.7	+1.0
LPSR	Lakshya	126.63	324	ePKIPK	PKPdf	01 13 22.1	+0.1
AKH	Akhalkalaki	126.63	309	P	PKPdf	01 13 23.5	+0.8
KBZ	Khabaz	126.63	312	PKP	PKPdf	01 13 21.9	-0.4
CLDR	Caldiran	126.65	306	P	PKPdf	01 13 24.4	+1.5
EAK	Akyaka	126.67	308	P	PKPdf	01 13 24.0	+1.2
KVAR	Kislovodsk Arr	126.73	312	PKP	PKPdf	01 13 22.6	-0.1
KIV	Kislovodsk	126.74	312	ePKPdf	PKPdf	01 13 22.8	+0.2
KIV	Kislovodsk	126.74	312	P	PKPdf	01 13 22.9	+0.2
KIV	Kislovodsk	126.74	312	P	PKIPK	01 13 22.9	+0.2

KIV	Kislovodsk	126.74	312	ePS	PS	01 25 22.2	-2.5
KIV	Kislovodsk	126.74	312	eSS	SS	01 32 23.7	+0.1
VORR	Voronezh	126.80	322	P	PKIPK	01 13 20.0	-2.4
NEY	Neytrino	126.86	312	P	PKIPK	01 13 24.0	+0.9
DIGO	Kars	126.88	308	P	PKPdf	01 13 24.1	+0.8
OBN	Obninsk	126.90	327	PKP	PKPdf	01 13 22.1	-0.4
OBN	Obninsk	126.90	327	ePKPdf	PKPdf	01 13 22.7	+0.3
OBN	Obninsk	126.90	327	ePKIPK	PKPdf	01 13 22.4	0.0
OBN	Obninsk	126.90	327	e	PS	01 25 15.6	-1.0
OBN	Obninsk	126.90	327	eSS	SS	01 26 54.5	+0.7
OBN	Obninsk	126.90	327	eSSS	SSS	01 37 08.5	
VSR	Storozhevo	126.9					

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like UPM, ZAG, BLY, NKY, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like CKHR, POLO, UCM, MVO, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like RUSC, PUERTO BERRIO, TAMC, etc.

GERES PKPab PKPab 02 32 38.7 +0.2
DAVOX Davos/Dischmat 155.22 344 PKPab PKPab 02 32 51.6 +0.3

IDC 02:02:15:06.9.1.3, 27.56N-53.59E, h0km, mb3.7/1,
mb1.3/9/13, mb1mx3.7/5.1, mbtmp3.8/13, ML3.6/2, Error
ellipse: s-maj=34.5km s-min=17.2km az=149.0

ISCJB 02:02:15:08.7.0.4, 27.46N-0.04:53.55E:0.05, h16km,
mb3.8/10, Error ellipse: s-maj=7.2km s-min=4.6km
az=154.4

TEH 02:02:15:09.3.27.49N-53.69E, h13km, ML3.5
ISC 02:02:15:09.3.0.7, 27.47N-0.06:53.67E:0.06, h16km, n41,
r=179/41, mb3.8/10, Southern Iran

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

NNC 02:18:20.4.3.6, 36.89N-68.58E, h0km, mb3.9, mpv3.5,
9C-4D, Error ellipse: s-maj=27.3km s-min=25.9km
az=142.0, Hindu Kush region

Table with columns: SFK, Pp, Pn, P, S, Lg. Lists seismic events with station names and parameters.

NEIC 02:02:30:35.7.0.0, 17.19N-99.73W, h49km, MD4.0(MEX),
After MEX.
MEX 02:02:30:35.7.0.8, 17.19N-99.73W, h50km, gkm, MD4.0,
Guerrero

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the Guerrero region.

IDC 02:02:31:02.3.1.6, 2.32S: 122.38E, h0km, mb3.5/3,
mb1.3/7/4, mb1mx3.4/3.7, mbtmp3.5/4, ML3.1/1, MS4.1/1,
Ms1.4/1.1, ms1mx3.2/3.3, Error ellipse: s-maj=144.9km
s-min=24.7km az=62.0
ISCJB 02:02:31:06.5.0.5, 2.73S:0.04:121.77E:0.06, h22km,
mb3.4/3, MS3.9/1, Error ellipse: s-maj=8.4km s-min=6.0km
az=6.6
DJA 02:02:31:07.0.9.0.4, 3.52S:12.22E, h115km, 7M, MA.1/16,
mb4.1/3, MLV4.1/16
ISC 02:02:31:07.2.0.9, 2.65S:0.04:121.71E:0.05, h22km, n19,
r=214/21, mb3.6/3, Guatemala

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for Guatemala.

IDC 02:02:33:57.0.2.3, 7.32S:129.34E, h0km, mb3.2/1,
mb1.3/4/4, mb1mx3.3/3.1, mbtmp3.2/4, ML3.1/3, Error
ellipse: s-maj=78.1km s-min=30.6km az=76.0, Banda
Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for Banda Sea.

IDC 02:04:34:45.2.2.0, 6.62S:129.85E, h0km, mb3.6/1,
mb1.0/4/4, mb1mx3.6/3.0, mbtmp3.8/4, ML3.9/3, Error
ellipse: s-maj=54.5km s-min=31.1km az=75.0, Banda
Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for Banda Sea.

0.3nm, 0.5s, baz=112, slow=7.2, SNR=6.0

MOS 02:03:01:59.7.0.7, 27.78N:139.81E, h492km, mb4.3/5/3,
Error ellipse: s-maj=10.5km s-min=5.8km az=109.0
ISCJB 02:03:02:00.1.0.3, 27.83N:0.03:139.95E:0.04,
h495km, 3km, mb4.1/9/4, Error ellipse: s-maj=6.1km
s-min=4.5km az=5.6

IDC 02:03:02:01.6.0.9, 27.87N:139.83E, h495km, 9km, mb3.6/3/1,
mb1.3/7/7, mb1mx3.6/5.2, mbtmp4.4/3.7, Error ellipse:
s-maj=11.1km s-min=4.3km az=101.0
NEIC 02:03:02:01.3.0.4, 27.77N:139.91E, h500km, gkm, mb4.2/3/0,
Error ellipse: s-maj=5.2km s-min=4.5km az=121.0
JMA 02:03:02:02.0.0.2, 28.07N:140.16E, h487km, MA.5
ISC 02:03:02:00.8.0.6, 27.82N:0.05:139.99E:0.06, h492km, 5km,
n224, r=126/258, mb4.2/9/4, 11C-6D, Bonin Islands region

Large table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists numerous seismic stations and their parameters.

Table of astronomical observations for 2d and 3h bands. Columns include station name, station ID, time, and various parameters like RA, Dec, and signal-to-noise ratio.

Table of astronomical observations for 2012 DEC. Columns include station name, station ID, time, and various parameters like RA, Dec, and signal-to-noise ratio.

Table of astronomical observations for 2012 DEC. Columns include station name, station ID, time, and various parameters like RA, Dec, and signal-to-noise ratio.

ICD 02 03:04:36.9+1.3:4.89S; 121'21E, h0km, mb3.6/3, mb1.3/7.6, mb1mx3.5/4.4, mb1tmp3.6/6, ML3.1/3, MS4.3/1, Ms1.4/3.1, ms1mx3.1/4.3, Error ellipse: s-maj=143.9km s-min=19.9km az=62.0

Table of astronomical observations for 2012 DEC. Columns include station name, station ID, time, and various parameters like RA, Dec, and signal-to-noise ratio.

ISCBJ 02 03:08:43.9+0.3:27.62N:141.18E:0.1, h39km, mb4.1/1.5, Error ellipse: s-maj=17.5km s-min=4.5km az=161.8

NEIC 02 03:08:46.3+0.7:27.55N:141.193E, h50km, mb4.3/2, Error ellipse: s-maj=15.9km s-min=7.0km az=78.0

JMA 02 03:08:47.2+0.1:27.56N:142.37E, h40km, M4.2

JMA Felli J/J

ICD 02 03:08:47.8+1.4:27.57N:141.189E, h62km, 35km, mb3.8/1.1, mb1.4/0.12, mb1mx3.7/4.5, mbtmp4.0/12, ML3.7/1, Error ellipse: s-maj=33.9km s-min=17.0km az=93.0

ISC 02 03:08:45.2+0.6:27.67N:142.0E:0.2, h39km, n46, s164/46, mb4.1/1.5, Bonin Islands region

Table of astronomical observations for 2012 DEC. Columns include station name, station ID, time, and various parameters like RA, Dec, and signal-to-noise ratio.

2012 DEC

Table with columns: Last 2d, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Lasithi, Anoyia, Datoa, Zakros, etc.

ICD 02 04:11:54.5s, 1.4, .391N, 106.109E, h0km, mb3.5/5, mb1 3.6/7, mb1mx3.3/4.2, mbtmp3.4/7, ML3.1/2, Error ellipse: s-maj=41.1km s-min=18.7km az=70.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Sonm, MKAR, ZALV, CMAR, etc.

BER 02 04:12:51.9z, 2.9, 70.45N, 12.46E, h10km, ML1.9, ML2.4(NAO), ICD 02 04:12:52.1z, 2.9, 70.28N, 13.07E, h0km, mb1 3.2/3, mb1mx2.9/4.9, mbtmp3.1/3, ML2.1/3, Error ellipse: s-maj=31.3km s-min=15.5km az=14.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Lofoten, Tromso, Steigen, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like KIF, HAMF, KONS, etc.

Table with columns: STOK, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Stokkvaagen, Lannavaara, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like TOF, RNF, VRF, etc.

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

ICD 02 04:14:49.7z, 5.9, 45.8S, 133.62E, h0km, mb3.5/1, mb1 3.7/3, mb1mx3.4/3.3, mbtmp3.5/3, ML3.4/2, Error ellipse: s-maj=341.2km s-min=32.2km az=77.0, Irian Jaya region

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like SJA, ICD, GUC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like G005, G006, G007, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like CMCH, RTLS, RTVC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like G004, G004, ACCO, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like ACCL, PLCA, CYA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like SIV, SNA, QSPA, etc.

ICD 02 04:27:14.9z, 5.5, 6.83S, 149.83E, h0km, mb3.2/2, mb1 3.3/3, mb1mx3.2/2.9, mbtmp3.1/3, ML3.1/1, Error ellipse: s-maj=161.5km s-min=31.3km az=106.0, New Britain region

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

UCR 02 04:44:34.6z, 1.7, 11.93N, 89.05W, h12km, 7km, MD4.5, ML4.8, mb5.1 (NEIC), GCMT 02 04:44:34.3z, 0.1, 11.72N, 0.01:89.42W, 0.01, h12km, MWIS: 211.7, Moment Tensor Solution: s94, c162, s17, c224, Duration: 161, Moment tensor: Scale 1017 Nm: M=0.93e10; M11=0.76e10; M22=0.17e10; M33=0.28e10; M44=0.48e10; M55=0.00e10; Best double couple, lambda=1.000000e-07, NP1=291.000000e-08, NP2=128.000000e-08, NP3=128.000000e-08, NP4=128.000000e-08, NP5=128.000000e-08, NP6=128.000000e-08, NP7=128.000000e-08, NP8=128.000000e-08, NP9=128.000000e-08, NP10=128.000000e-08, NP11=128.000000e-08, NP12=128.000000e-08, NP13=128.000000e-08, NP14=128.000000e-08, NP15=128.000000e-08, NP16=128.000000e-08, NP17=128.000000e-08, NP18=128.000000e-08, NP19=128.000000e-08, NP20=128.000000e-08, NP21=128.000000e-08, NP22=128.000000e-08, NP23=128.000000e-08, NP24=128.000000e-08, NP25=128.000000e-08, NP26=128.000000e-08, NP27=128.000000e-08, NP28=128.000000e-08, NP29=128.000000e-08, NP30=128.000000e-08, NP31=128.000000e-08, NP32=128.000000e-08, NP33=128.000000e-08, NP34=128.000000e-08, NP35=128.000000e-08, NP36=128.000000e-08, NP37=128.000000e-08, NP38=128.000000e-08, NP39=128.000000e-08, NP40=128.000000e-08, NP41=128.000000e-08, NP42=128.000000e-08, NP43=128.000000e-08, NP44=128.000000e-08, NP45=128.000000e-08, NP46=128.000000e-08, NP47=128.000000e-08, NP48=128.000000e-08, NP49=128.000000e-08, NP50=128.000000e-08, NP51=128.000000e-08, NP52=128.000000e-08, NP53=128.000000e-08, NP54=128.000000e-08, NP55=128.000000e-08, NP56=128.000000e-08, NP57=128.000000e-08, NP58=128.000000e-08, NP59=128.000000e-08, NP60=128.000000e-08, NP61=128.000000e-08, NP62=128.000000e-08, NP63=128.000000e-08, NP64=128.000000e-08, NP65=128.000000e-08, NP66=128.000000e-08, NP67=128.000000e-08, NP68=128.000000e-08, NP69=128.000000e-08, NP70=128.000000e-08, NP71=128.000000e-08, NP72=128.000000e-08, NP73=128.000000e-08, NP74=128.000000e-08, NP75=128.000000e-08, NP76=128.000000e-08, NP77=128.000000e-08, NP78=128.000000e-08, NP79=128.000000e-08, NP80=128.000000e-08, NP81=128.000000e-08, NP82=128.000000e-08, NP83=128.000000e-08, NP84=128.000000e-08, NP85=128.000000e-08, NP86=128.000000e-08, NP87=128.000000e-08, NP88=128.000000e-08, NP89=128.000000e-08, NP90=128.000000e-08, NP91=128.000000e-08, NP92=128.000000e-08, NP93=128.000000e-08, NP94=128.000000e-08, NP95=128.000000e-08, NP96=128.000000e-08, NP97=128.000000e-08, NP98=128.000000e-08, NP99=128.000000e-08, NP100=128.000000e-08

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

2d 4h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like W48A Pulaski, HUMP Col San Antoni, HUBM Canovanas, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like T49A Edmonton, T49C Edmonton, T49N Cliffs of the, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like CBN Corbin Frederi, CBN Corbin Frederi, P52A Corning, etc.

J41A	baz=180,SNR=6.8	31.45	359	P	P	04 50 52.8	-0.9
J43A	Loganville	31.46	1	P	P	04 50 54.5	+0.8
PV01	Natural Harves	31.46	330	eP	P	04 50 55.1	+0.9
ISCO	Paradox Valley	31.48	335	eP	P	04 50 55.2	+0.8
ISCO	Idaho Springs	31.48	335	eP	P	04 50 55.2	+0.8
ISCO	Idaho Springs	31.48	335	eP	P	04 50 54.8	+0.5
J39A	Decorah	31.49	356	P	P	04 50 54.2	+0.2
J40A	Soldiers Grove	31.50	358	P	P	04 50 52.9	-1.3
SMCO	Snowmass	31.54	333	eP	P	04 50 56.2	+1.1
PV02	Paradox Valley	31.60	330	eP	P	04 50 56.6	+1.2
PV13	Radium Mtn., P	31.60	329	eP	P	04 50 56.4	+0.9
GLA	Glamis	31.66	316	eP	P	04 50 56.9	+1.1
GLA	Glamis	31.66	316	eP	P	04 50 56.9	+1.1
GLA	Glamis	31.66	316	P	P	04 50 57.3	+1.5
PV05	Paradox Valley	31.68	329	eP	P	04 50 57.2	+1.1
PV03	Paradox Valley	31.69	330	eP	P	04 50 56.8	+0.6
PV18	Skein Mesa, Pa	31.71	329	eP	P	04 50 57.3	+0.9
PV12	Saucer Basin,	31.71	330	eP	P	04 50 57.0	+0.6
PV11	David Mesa, Pa	31.74	330	eP	P	04 50 57.2	+0.6
PV17	East Wray Mesa	31.76	329	eP	P	04 50 58.2	+1.3
PV16	Nyswonger Mesa	31.77	330	eP	P	04 50 58.0	+1.2
PV19	Morning Glory	31.80	329	eP	P	04 50 58.2	+1.1
PV20	West Nyswonger	31.82	330	eP	P	04 50 58.7	+1.5
J49A	Marlette	31.85	8	P	P	04 50 56.2	-1.1
PV14	Lion Creek, Pa	31.87	330	eP	P	04 50 59.1	+1.3
PV14	Blythe	31.87	317	eP	P	04 53 49.7	+1.8
Y12C	Blythe	31.87	317	P	P	04 50 59.2	+1.6
PV22	Blue Mesa, Par	31.88	330	eP	P	04 50 57.8	0.0
PV10	Paradox Valley	31.88	329	eP	P	04 50 58.1	+0.3
PV23	Carpenter Ridg	31.92	330	eP	P	04 50 59.0	+0.7
PDMCI	Parker Dam,Lak	31.96	319	P	P	04 51 00.3	+1.9
I42A	Draeger Farm,	31.96	0	eP	P	04 50 58.0	-0.2
I40A	Norwalk	31.99	358	P	P	04 51 00.2	+1.8
I39A	Houston	31.99	357	eP	P	04 50 57.1	-1.4
I39A	Houston	31.99	357	P	P	04 50 57.2	-1.3
PV09	Paradox Valley	32.02	330	eP	P	04 51 00.2	+1.0
I41A	Arkdale	32.13	359	eP	P	04 50 58.4	-1.4
I41A	Arkdale	32.13	359	P	P	04 50 58.8	-0.9
I46A	Reed City	32.16	5	P	P	04 50 58.5	-1.5
U15A	North Rim	32.21	323	eP	P	04 51 02.4	+1.6
W13A	Hualapai Mount	32.30	320	eP	P	04 51 02.9	+1.4
I47A	Gladwin	32.33	6	P	P	04 51 00.7	-0.7
BINY	Binghamton	32.36	18	eP	P	04 51 01.7	-0.1
BINY	Binghamton	32.36	18	P	P	04 51 01.3	-0.4
BC3	Big Chuckawall	32.44	316	P	P	04 51 04.0	+1.3
ECSD	EROS Data Cent	32.46	350	eP	P	04 51 01.0	-1.6
ECSD	EROS Data Cent	32.46	350	P	P	04 51 01.1	-1.5
IRM	Iron Mountain	32.53	317	P	P	04 51 05.5	+2.1
N23A	Red Feather La	32.54	336	eP	P	04 51 04.4	+0.7
N23A	Red Feather La	32.54	336	P	P	04 51 04.4	+0.7
ACTO	Action	32.63	12	P	P	04 51 03.8	-0.3
MONP2	Monument Peak	32.67	314	P	P	04 51 06.2	+1.3
H41A	Junction City	32.69	359	eP	P	04 51 04.9	+0.3
H41A	Junction City	32.69	359	P	P	04 51 04.2	-0.4
H40A	Chili	32.71	358	P	P	04 51 03.7	-1.1
H39A	Augusta	32.80	357	P	P	04 51 06.9	+1.4
H38A	Maiden Rock	32.86	356	P	P	04 51 05.6	-0.5
O20A	White River Ci	32.89	332	eP	P	04 51 08.2	+1.5
KNB	Kanab	32.92	324	eP	P	04 51 08.4	+1.4
KNB	Kanab	32.92	324	eP	P	04 51 08.4	+1.4
PKCU	Pink Cliffs	32.93	325	eP	P	04 51 09.0	+1.8
BELC	Belle Mtn, Jos	33.01	316	P	P	04 51 09.1	+1.4
I52A	Shelburne	33.05	12	P	P	04 51 09.4	+1.6
LDFC	Landfair	33.06	319	eP	P	04 51 10.3	+2.2
LCMT	Little Creek M	33.17	323	eP	P	04 51 10.0	+0.9
GMRC	Granite Mounta	33.24	318	P	P	04 51 11.9	+2.1
G41A	Antigo	33.28	360	P	P	04 51 08.6	-1.2
MTPU	Mount Pierson	33.28	326	eP	P	04 51 11.1	+0.8
G43A	Wallace	33.35	2	eP	P	04 51 11.1	+0.8
G40A	Rib Lake	33.35	359	eP	P	04 51 09.5	-0.8
G40A	Rib Lake	33.35	359	P	P	04 51 09.6	-0.8
G39A	Holcombe	33.40	357	P	P	04 51 09.5	-1.4
P18A	Preston Nutter	33.44	330	eP	P	04 51 12.3	+0.7
SPMN	Marine on St.	33.44	355	eP	P	04 51 09.8	-1.4
SPMN	Marine on St.	33.44	355	P	P	04 51 09.8	-1.4
SZCU	Shurtz Canyon	33.48	324	eP	P	04 51 13.6	+1.8
P17A	Butcher Ranch,	33.57	329	eP	P	04 51 13.1	+0.5
SVD	Miller	33.60	347	P	P	04 51 11.9	-0.6
CCUT	Cedar City	33.60	324	eP	P	04 51 14.9	+2.0
CCUT	Cedar City	33.60	324	eP	P	04 53 54.8	+2.1
MSU	Marysville	33.62	326	eP	P	04 51 14.7	+1.6
MSU	Marysville	33.62	326	eP	P	04 51 14.7	+1.6
TMUT	Trail Mountain	33.68	328	eP	P	04 51 14.7	+1.0
HEC	Hector,Ludlow	33.72	317	P	P	04 51 15.7	+1.9
RWWY	Rawlins	33.72	335	eP	P	04 51 13.7	-0.3
F41A	Three Lakes	33.81	360	eP	P	04 51 15.2	+0.8

F37A	comp=Z,110nm,1.9s	33.93	356	P	P	04 51 14.7	-0.7
SADO	Hinrichs Farm,	33.93	13	eP	P	04 51 14.7	-0.8
SHPR	Sadowa	33.99	321	eP	P	04 51 16.0	-0.3
SHPR	Sheep Range	33.99	321	eP	P	04 53 55.6	+1.8
F40A	Park Falls	34.00	359	P	P	04 51 14.6	-1.5
F39A	Loretta	34.02	358	P	P	04 51 14.9	-1.3
F38A	Pierce - Schro	34.11	357	P	P	04 51 15.8	-1.1
F44A	Big Bay de Noc	34.12	3	P	P	04 51 16.0	-1.0
COWI	Conover	34.17	360	eP	P	04 51 15.9	-1.5
K22A	Casper	34.26	337	eP	P	04 51 20.2	+1.7
BFSO	Mount Baldy Ra	34.27	315	P	P	04 51 20.2	+1.5
GSC	Goldstone, Bar	34.31	318	eP	P	04 51 20.3	+1.4
GSC	Goldstone, Bar	34.31	318	eP	P	04 51 20.3	+1.4
GSC	Goldstone, Bar	34.31	318	P	P	04 51 20.7	+1.7
F49A	Sandfield	34.36	9	P	P	04 51 20.7	+1.6
G53A	Halliburton	34.38	13	P	P	04 51 18.5	-0.8
MPU	Maple Canyon	34.43	329	eP	P	04 51 20.7	+0.7
E39A	Mellen	34.47	358	P	P	04 51 18.9	-1.2
E42A	Champion	34.51	1	P	P	04 51 19.6	-0.9
E40A	Wakefield	34.52	359	P	P	04 51 19.4	-1.1
MWC	Mount Wilson	34.54	315	eP	P	04 51 23.2	+1.0
PSUT	Pine Spring	34.56	325	eP	P	04 51 22.0	+1.0
NLU	Not Lilly Min	34.61	328	eP	P	04 51 22.4	+0.8
RSSD	Black Hills	34.67	341	eP	P	04 51 22.5	+0.4
RSSD	Black Hills	34.67	341	eP	P	04 51 22.5	+0.4
RSSD	Black Hills	34.67	341	P	P	04 51 22.5	+0.4
E38A	The Farm, Brul	34.74	357	eP	P	04 51 21.6	-0.8
E38A	The Farm, Brul	34.74	357	P	P	04 51 20.9	-1.4
JLU	Jordanville	34.78	329	eP	P	04 51 23.6	+0.4
LPZA	La Paz	34.78	143	P	P	04 51 24.4	+0.7
LPZA	La Paz	34.78	143	eP	P	04 53 57.1	+0.3
LPZA	La Paz	34.78	143	eP	P	04 51 23.8	0.0
LPZA	La Paz	34.78	143	eP	P	04 53 57.2	0.0
LPZA	La Paz	34.78	143	eP	P	04 53 57.2	0.0
TPNV	Topopah Spring	34.95	320	eP	P	04 51 25.3	+0.7
TPNV	Topopah Spring	34.95	320	eP	P	04 51 25.3	+0.7
TPNV	Topopah Spring	34.95	320	P	P	04 51 26.8	+2.2
G55A	Calabogie	34.96	15	P	P	04 51 23.2	-1.2
LONY	Lake Ozonia	34.98	18	eP	P	04 51 23.9	-0.7
LRMC	Laurel Mtn Rad	34.99	317	P	P	04 51 27.0	+2.1
CTU	Camp Tracy	35.00	329	eP	P	04 51 26.4	+1.5
DUG	Dugway, Tooele	35.17	328	eP	P	04 51 27.1	+0.7
DUG	Dugway, Tooele	35.17	328	eP	P	04 51 27.1	+0.7
DUG	Dugway, Tooele	35.17	328	P	P	04 51 28.3	+1.9
MPMC	Manual Prospec	35.20	318	P	P	04 51 28.3	+1.5
ALGO	Algonquin Park	35.30	13	P	P	04 51 26.0	-1.2
DAC	Darwin (Calif)	35.40	318	eP	P	04 51 29.7	+1.3
DAC	Darwin (Calif)	35.40	318	eP	P	04 51 29.7	+1.3
R11A	Troy Canyon, C	35.44	323	eP	P	04 51 30.3	+1.5
R11A	Troy Canyon, C	35.44	323	P	P	04 51 30.7	+1.9
E51A	G1948 Merrick	35.55	11	P	P	04 51 28.6	-0.8
BW06	Boulder Array	35.60	334	eP	P	04 51 31.3	+1.2
PD31	Pinedale Array	35.60	334	eP	P	04 53 59.0	+0.6
PDAR	Pinedale Array	35.60	334	eP	P	04 51 31.3	+1.2
PDAR	Pinedale Array	35.60	334	eP	P	04 53 58.8	+0.4
PDAR	Pinedale Array	35.60	334	eP	P	04 53 58.8	+0.4
PDAR	Pinedale Array	35.60	334	eP	P	04 51 30.9	+0.7
PDAR	Pinedale Array	35.60	334	eP	P	04 53 58.8	+0.4
PDAR	Pinedale Array	35.60	334	eP	P	04 51 30.9	+0.8
ISA	Isabella, Lake	35.63	317	eP	P	04 51 31.1	+0.8
ISA	Isabella, Lake	35.63	317	eP	P	04 51 31.1	+0.8
ISA	Isabella, Lake	35.63	317	P	P	04 51 31.7	+1.4
GRAC	Grapevine Rang	35.68	319	P	P	04 51 33.4	+2.7
D48A	Faudash Townsh	35.78	9	P	P	04 51 30.4	-0.9
CWC	Cottonwood Cre	35.81	318	P	P	04 51 34.1	+2.1
BGU	Big Grassy Mous	35.82	328	eP	P	04 51 33.5	+1.5
D49A	Beulah Townshi	35.94	9	P	P	04 51 32.0	-0.7
E54A	Lac Duplat, Po	35.95	14	P	P	04 51 31.8	-1.0
EYMN	Ely	36.07	357	eP	P	04 51 32.2	-1.6
EYMN	Ely	36.07	357	P	P	04 51 32.4	-1.5
YES	Vestal, Richgr	36.14	316	P	P	04 51 36.8	+2.3
MNMC	Minny Minye	36.26	148	eP	P	04 51 36.5	+0.4
AHID	Auburn Hatchery	36.28	332	eP	P	04 51 35.6	-0.4
HVU	Hansel Valley	36.32	330	eP	P	04 51 37.1	+0.8
HVU	Hansel Valley	36.32	330	eP	P	04 51 37.1	+0.8
D53A	Lac Vaciue, Po	36.44	13	P	P	04 51 36.7	-0.3
REDW	Red Top Meadow	36.64	333	eP	P	04 51 39.6	+0.6
SNOW	Snow King Moun	36.68	333	eP	P	04 51 40.1	+0.7
LOHW	Long Hollow	36.73	334	eP	P	04 51 40.2	+0.4
D54A	Lac Fusel, La	36.75	14	P	P	04 51 39.0	-0.6

PB11	IPOC Station P	36.76	148	eP	P	04 51 40.9	+0.7
TPAW	Teton Pass	36.78	333	eP	P	04 51 41.4	+1.0
AGMN	Agassiz Nation	36.81	352	P	P	04 51 38.9	-1.2
PAGB	Ant						

2d 5h

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like LON Longmire, VCA Winchita, AGUA GUANDACOL, etc.

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Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like TVO Taravao, WRH Wood River Hill, POKR Polkrassat, etc.

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Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like GERES, GEAO GERRSS Array B, TAM Tamannasret, etc.

KRSC 02 05:10:38.6:0.5,53.98x160.50E,h75km,6km,ML3.6

Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Resolution. Includes stations like KII Karymskiy, MKZ Mys Kozlova, etc.

IDC 02 05:14:56.8:3.2,30.425x138.35E,h0km,mb1 3.1/4, mb1mx3.1/23,mbtmp2.9/4,ML2.6/4,Error ellipse: s-maj=89.3km s-min=15.2km az=40.0, South Australia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Resolution. Includes stations like STKA Stephens Creek, STKA Mys Shipunski, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRR1 Warramunga Arr, WRA Warramunga Arr, ILAR Eielson Array, etc.

IDC 02 09:19:25.8-3.1, 2.47N-88.73E, h0km, mb3.6/2, mb1 3.8/3, mb1mx3.4/43, mbmtmp3.6/3, ML4.2/1, Error ellipse: s-maj=90.4km s-min=36.3km az=73.0, North Indian Ocean

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

NEIC 02 09:27:49.0-0.4, 10.15N, 126.32E, h35km, mb4.4/15, Error ellipse: s-maj=18.6km s-min=7.1km az=76.0

NEIC Feil (JWS) at Surugao, Mindanao. MAN 02 09:27:50.1, 0.938N, 126.16E, h17km, mb4.8, ML3.7, MS3.7. ISC:JB 02 09:27:51.1, 0.6, 9.98N, 0.03x126.18E, 0.0, h57km, 5km, mb4.2/28, Error ellipse: s-maj=9.6km s-min=4.1km az=170.0

IDC 02 09:27:53.6-4.1, 9.95N, 126.12E, h84km, 36km, mb3.7/12, mb1 3.8/12, mb1mx3.6/38, mbtmp4.0/12, MS3.5/7, Ms1 3.5/7, ms1mx3.0/47, Error ellipse: s-maj=38.6km s-min=13.7km az=66.0

ISC 02 09:27:51.4-1.1, 9.96N, 0.04x126.11E, 0.08, h59km, 10km, n71.1, r1565/65, mb4.1/28, 6C-3D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SCPH Surigao, BUTP Butuan, MSLP Maasin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, etc.

IDC 02 09:37:40.6:28.0, 28.105N, 66.19E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.4/4, mbtmp3.5/3, Error ellipse: s-maj=937.6km s-min=41.3km az=51.0, Indian Ocean Triple Junction

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

IDC 02 10:07:59.9-7.4, 8.43N-93.74E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.3/33, mbtmp3.4/4, MS3.9/1, Ms1 3.9/1, mb1mx2.7/34, Error ellipse: s-maj=373.0km s-min=22.9km az=60.0, Nicobar Islands region

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

ISK 02 10:08:58.4, 39.96N, 28.95E, h3km, ML2.1/18. ISC:JB 02 10:08:59.1, 0.6, 39.97N, 0.03x28.97E, 0.05, h5km, 6km, Error ellipse: s-maj=6.0km s-min=4.8km az=31.8

DDA 02 10:08:59.5, 39.98N, 28.95E, h4km, ML2.6. ISC 02 10:08:58.8, 1.3, 39.97N, 0.03x28.94E, 0.03, h6km, 11km, n25, r035/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ORLT Orhanelli, MDNY Mudanya-Bursa, DURS Dursunduz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VES Vestal, Richr, GSC Goldstone Bar, GSC Goldstone Bar, etc.

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time Res	ISC	h	m	s	ISC
FTZ	Fitzroy Crossi	69.05	208	P	P	12 43 16.0	+1.1				
ISCO	Idaho Springs	69.10	54	eP		12 43 15.4	-0.1				
ISCO	Idaho Springs	69.10	54	eP		12 43 15.4	-0.1				
KBZ	Khabaz	70.70	314	P	P	12 43 23.8	-1.0				
ECSD	EROS Data Cent	71.42	326	eP		12 43 26.5	-0.4				
NEY	Neytrino	71.14	314	eP		12 43 29.1	+1.3				
AKASG	Malin Array Be	71.42	326	P	P	12 43 28.4	-0.7				
AKBB	Malin Array Si	71.42	326	eP		12 43 28.4	-0.6				
AKBB	Malin Array Si	71.42	326	eP		12 43 28.4	-0.6				
KIEV	Kiev	71.43	326	eP	P	12 43 28.5	-0.6				
KIEV	Kiev	71.43	326	eP	P	12 43 28.5	-0.6				
KIEV	Kiev	71.43	326	eP	P	12 43 28.5	-0.6				
AK11	Malin Array Si	71.46	326	eP	P	12 43 28.8	-0.5				
AS01	Alice Springs	72.14	198	eP	P	12 43 34.8	+1.1				
AS31	Alice Springs	72.15	198	eP	P	12 43 34.9	+1.2				
ASAR	Alice Springs	72.15	198	eP	P	12 43 34.7	+1.0				
G43A	Wallace	74.04	40	eP	P	12 43 44.5	-0.1				
BUR08	Bucovina Ar. S	75.45	326	eP	P	12 43 52.7	-0.2				
BUR08	Bucovina Ar. S	75.46	326	eP	P	12 43 52.9	-0.1				
BUR08	Bucovina Array	75.46	326	eP	P	12 43 53.0	0.0				
BUR08	Bucovina Array	75.46	326	eP	P	12 43 53.0	0.0				
BIZ	Bicaz	75.68	325	eP	P	12 43 54.4	+0.3				
TRPA	Tarpa	76.03	328	eP	P	12 43 56.3	+0.2				
DPC	Dobruska-Polom	76.22	323	eP	P	12 43 57.9	+0.7				
DPC	Dobruska-Polom	76.22	323	eP	P	12 43 57.9	+0.7				
ARCR	ARCALIA	76.23	327	eP	P	12 43 57.9	+0.6				
LANS	Liptovska Anna	76.24	331	eP	P	12 43 58.4	+1.1				
LANS	Liptovska Anna	76.24	331	eP	P	12 43 58.4	+1.1				
CFR	Carcaiu	76.31	323	eP	P	12 43 57.6	-0.1				
CFR	Carcaiu	76.31	323	eP	P	12 43 57.6	-0.1				
VRI	Vrincioaia	76.31	324	eP	P	12 43 58.3	+0.5				
VRI	Vrincioaia	76.31	324	eP	P	12 43 58.3	+0.5				
MORC	Moravsky Berou	76.33	332	eP	P	12 43 57.5	-0.3				
MORC	Moravsky Berou	76.33	332	eP	P	12 43 58.1	+0.2				
MORC	Moravsky Berou	76.33	332	eP	P	12 43 57.6	-0.3				
CLL	Collm	76.37	335	eP	P	12 43 56.4	-1.5				
CLL	Collm	76.37	335	eP	P	12 43 57.0	-0.9				
CLL	Collm	76.37	335	iP	P	12 43 56.4	-1.5				
CLL	Collm	76.37	335	iP	P	12 43 56.4	-1.5				
UOSS	Minaziti	76.54	292	eP	P	12 44 00.1	+0.8				
DOPR	Dopca	76.76	325	eP	P	12 43 52.7	-7.6				
TLB	Topalu	76.83	323	eP	P	12 44 01.2	+0.6				
TLB	Topalu	76.83	323	eP	P	12 44 01.2	+0.6				
MLR	Muntele Rosu	76.94	325	eP	P	12 44 02.6	+1.2				
MLR	Muntele Rosu	76.94	325	eP	P	12 44 02.6	+1.2				
MLR	Muntele Rosu	76.94	325	eP	P	12 44 02.6	+1.2				
MLR	Muntele Rosu	76.94	325	eP	P	12 44 02.1	+0.4				
VYHS	Vyhne	77.01	331	eP	P	12 44 02.0	+0.4				
VYHS	Vyhne	77.01	331	eP	P	12 44 02.2	+0.4				
VRAC	Vranov	77.05	332	eP	P	12 44 02.4	+0.6				
VRAC	Vranov	77.05	332	eP	P	12 44 02.4	+0.6				
VRAC	Vranov	77.05	332	eP	P	12 44 02.4	+0.6				
DRGR	Drgr	77.09	327	eP	P	12 44 02.0	-0.2				
DRGR	Drgr	77.09	327	eP	P	12 44 02.0	-0.2				
VOIR	Voivod	77.33	325	eP	P	12 44 03.9	+0.3				
VOIR	Voivod	77.33	325	eP	P	12 44 03.9	+0.3				
TX31	Lajitas Ar. Si	77.67	60	eP	P	12 44 05.2	-0.2				
TX31	Lajitas Ar. Si	77.67	60	eP	P	12 44 05.2	-0.2				
LTX	Lajitas	77.67	60	eP	P	12 44 05.5	-0.2				
LTX	Lajitas	77.67	60	eP	P	12 44 05.5	-0.2				
TXAR	Lajitas Array	77.67	60	eP	P	12 44 05.5	-0.2				
LOT	Lotru	77.82	326	eP	P	12 44 03.3	-6.1				
KHC	Kasperske Hory	78.14	334	eP	P	12 44 08.5	+0.5				
KHC	Kasperske Hory	78.14	334	eP	P	12 44 08.6	+0.6				
KHC	Kasperske Hory	78.14	334	eP	P	12 44 08.5	+0.5				
KHC	Kasperske Hory	78.14	334	eP	P	12 44 08.5	+0.5				
BR101	Reskian Array B	78.24	317	eP	P	12 44 08.8	0.0				
BR101	Reskian Array B	78.24	317	eP	P	12 44 08.8	0.0				
BRTR	Reskian Array B	78.24	317	eP	P	12 44 09.4	+0.6				
BRTR	Reskian Array B	78.24	317	eP	P	12 44 09.4	+0.6				
GERES	GERESS Array B	78.35	334	P	P	12 44 09.3	+0.1				
GERES	GERESS Array B	78.35	334	P	P	12 44 09.2	0.0				
GEOA	GERESS Array S	78.35	334	eP	P	12 44 09.8	-0.1				
BZS	Buzias	78.49	327	eP	P	12 44 09.8	-0.1				
BZS	Buzias	78.49	327	eP	P	12 44 09.8	-0.1				
DIVS	Divibare	80.39	328	eP	P	12 44 20.1	-0.3				
VTS	Vitosha	80.44	325	eP	P	12 44 20.8	0.0				
VTS	Vitosha	80.44	325	eP	P	12 44 20.5	-0.3				
VTS	Vitosha	80.44	325	eP	P	12 44 20.8	0.0				
VTS	Vitosha	80.44	325	eP	P	12 44 20.8	0.0				
M54A	Oil Creek Star	80.50	37	eP	P	12 44 20.6	-0.4				
DAVOX	Davos/Dischmat	81.34	335	P	P	12 44 26.2	+0.6				
DAVOX	Davos/Dischmat	81.34	335	P	P	12 44 26.2	+0.6				
DAVOX	Davos/Dischmat	81.34	335	P	P	12 44 26.2	+0.6				
MMAI	Mount Meron Ar	82.65	311	P	P	12 44 32.8	+0.3				
RCBR	Riachuelo	138.53	13	ePKP	PKP	12 51 36.3	+1.6				
RCBR	Riachuelo	138.53	13	ePKP	PKP	12 51 36.3	+1.6				
CPUP	Villa Florida	148.64	60	ePKP	PKP	12 51 55.2	-0.5				
CPUP	Villa Florida	148.64	60	ePKP	PKP	12 51 55.2	-0.5				
CPUP	Villa Florida	148.64	60	ePKP	PKP	12 51 55.5	-0.1				
SNA4	Sanae	152.51	196	ePKP	PKP	12 52 03.2	-0.4				
SNA4	Sanae	152.51	196	ePKP	PKP	12 52 03.2	-0.4				

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time Res	ISC	h	m	s	ISC
RCP	Roxas	4.11	286	eP	Pn	12 48 33.3	+3.0				
BATI	Baumata	20.72	189	P	P	12 52 08.0	+0.3				
KSR5	Korea Array	26.94	2	P	P	12 53 09.5	+1.2				
FTZ	Fitzroy Crossi	28.95	182	P	P	12 53 19.0	-2.2				
WRA	Warramunga Arr	31.07	166	P	P	12 53 43.5	-1.8				
ASAR	Alice Springs	34.59	168	P	P	12 54 14.6	-1.4				
ASAR	Alice Springs	34.59	168	P	P	12 54 14.6	-1.4				
CTA	Chartres Tower	35.87	149	P	P	12 54 27.2	+0.1				
STKA	Stephens Creek	43.18	162	P	P	12 55 37.4	-0.1				
STKA	Stephens Creek	43.18	162	P	P	12 55 37.4	-0.1				
MKAR	Malakanchi Array	52.21	322	P	P	12 56 39.3	+1.5				
MKAR	Malakanchi Array	52.21	322	P	P	12 56 39.3	+1.5				
AAK	Ala-Archa	55.57	315	LR	LR	12 34 17.9					
ILAR	Ilse Array	79.10	26	P	P	12 59 31.7	+0.7				
ARCES	ARCESS Array B	84.23	340	P	P	12 59 58.4	+0.4				
ARCES	ARCESS Array B	84.23	340	P	P	12 59 58.4	+0.4				
BRTR	Reskian Array B	85.82	309	P	P	13 00 06.9	+0.9				
FINES	FINES Array B	86.00	332	P	P	13 00 07.4	+0.4				
AKASG	Malin Array Be	86.76	321	P	P	13 00 11.2	+0.3				
VNDA	Vanda	90.01	173	P	P	13 00 25.8	+0.1				
YKA	Yellowknife Arr	94.22	24	P	P	13 03 42.4	+0.5				
YKA	Yellowknife Arr	94.22	24	P	P	13 00 53.5	-0.3				
TORD	Torndi Arr. Bea	120.62	292	PKP	PKP	13 06 19.6	-0.1				
PLCA	Paso Flores	146.14	156	PKP	PKP	13 07 04.8	-1.6				
PLCA	Paso Flores	146.14	156	PKP	PKP	13 07 04.8	-1.6				

2d 13h

Table with columns: LTZ, Lake Taylor, 24.71 205 eP, P, 13 38 06.0 -0.1, MAJO, Matsushiro, 72.74 321c /P, P, 13 44 13.2 +0.2, etc.

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Table with columns: MAJO, Matsushiro, 72.74 321c /P, P, 13 44 13.2 +0.2, MAT, Matsushiro, 72.74 321 P, SKIPP, etc.

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Table with columns: PKCU, Pink Cliffs, 82.04 45 eP, P, 13 45 03.9 -1.6, X18A, Snowflake, 82.07 49 eP, P, 13 45 04.4 -1.1, etc.

Table with columns: Name, RA, Dec, Mag, Type, and other details. Includes entries like CAST Castle Rocks, AHID Auburn Hatcher, S22A 4UR Ranch, etc.

Table with columns: Name, RA, Dec, Mag, Type, and other details. Includes entries like RSSD Black Hills, TOLK Toolik Lake, HIA Hailar, etc.

Table with columns: Name, RA, Dec, Mag, Type, and other details. Includes entries like KBL Kabul, ARU Arti, ARCES ARCES Array B, etc.

2d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for NKX, ANKO, ANTO, MEM, DOPR, VRAC, VRAN, MRL, ISR, CJB, CJR, BCLA, JAVC, VYHS, KLL, TREST, KRUC, SECR, PSZ, PSZ, PSZ, DRGR, DRGR, DOU, VOIR, VOIR, GRFO, MODS, MODS, ARR, KHC, KHC, KHC, KHC, MMAI, WLF, GERES, GERES, LOT, DEV, SIRR, CONA, BZS, BZS, MOA, EIL, HERR, BFO, ARSA, MORH, ISP, RETA, KBA, WATA, SOKA, PERS, PERS, MOTA, SOTA, DAVA, MYKA, FETA, ABTA, VBS, VBS, VISS, VISS, JAVS, JAVS, JAVS, ESDC, ESDC, TORO, TORO, TORO.

NCC 02 13:39:34.8-3.1, 37.73N-171.40E, h0km, mb3.7, mpv3.3, 2C-4D, Error ellipse: s-maj=24.1km s-min=19.2km az=168.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for SFK, SFK, AML, MNAS, MNAS, EK2S, KZ1, KK31, KK31, AAK, AAK, AAK, KBK, TKM2, TKM2.

IDC 02 13:45:08.3-2.1, 131.96N-92.38W, h0km, mb3.6/2, mb1.3/5, mb1mx3.5/4.5, mbmtmp3.6/5, ML3.3/3, MS3.1/2, Ms1.3/2, ms1mx2.7/2.8, Error ellipse: s-maj=34.0km s-min=16.6km az=178.0

MEX 02 13:45:14.7-0.4, 14.03N-92.38W, h10km, MD4.1, ISC 02 13:45:15.1-1.7, 14.11N-91.9233W, 0.09, h46km, n10, 0.087/13, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for THIG, THIG, PCIG, PCIG, APG, APG, APG, TGIG.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for TGIG, CMIG, CMIG, TXAR, TKL, YKA, ILAR, CMAR.

DHMR 02 13:50:32.6-1.8, 15.04N-111.86E, h2km, 22km, ML3.0, ISCJB 02 13:50:36.3-0.9, 15.16N-110.05-41.85E, 0.07, h10km, mb3.5/5, Error ellipse: s-maj=10.7km s-min=5.8km az=154.3

IDC 02 13:50:38.8-1.3, 15.09N-112.27E, h0km, mb3.4/5, mb1.3/6, mb1mx3.4/5, mbmtmp3.5/6, ML3.7/1, MS2.9/1, Ms1.2/9.1, ms1mx2.5/2.7, Error ellipse: s-maj=43.0km s-min=15.7km az=87.0

SGS 02 13:50:41.1, 15.13N-111.98E, h20km, ISC 02 13:50:39.6-1.0, 15.16N-110.05-42.02E, 0.08, h10km, n14, 0.207/20, mb3.5/5, Western Arabian Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for FRSS, HAJJ, HAJJ, HAJJ, UDYU, UDYU, TRBA, DJNS, DJNS, BDHA, BDHA, ATD, ATD, ATD, ATD, NAMS, TATS, GERES, MKAR, KURBB, ZALV, SONM.

ISCJB 02 13:52:26.7-0.8, 0.79N-127.32E, 0.06, h169km, 6km, mb3.9/4, Error ellipse: s-maj=14.6km s-min=9.6km az=10.0

IDC 02 13:52:27.9-4.1, 0.85N-127.36E, h172km, 46km, mb3.5/4, mb1.3/5, mb1mx3.1/4.7, mbmtmp3.9/6, Error ellipse: s-maj=64.5km s-min=18.3km az=73.0

DJA 02 13:52:33.3-1.2, 1.47S-12.7E, h103km, M4.2/6, mb4.3/4, mb4.5/2, MLV4.2/6, Mw(m)B/3.72

ISC 02 13:52:27.5-1.0, 0.81N-127.32E, 0.08, h164km, 6km, n13, 0.076/16, mb4.1/4, Malhera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for TNTI, TNTI, SANI, SANI, SANI, KMSI, KMSI, SIJI, MRSI, APSI, MPSI, TTSI, FITZ, WRA, ASAR, STKA, MKAR.

IDC 02 13:55:40.8-1.6, 59.87N-153.35W, h94km, 27km, mb3.4/3, mb1.3/5, mb1mx3.1/4.1, mbmtmp3.7/6, MS3.5/1, Ms1.3/5, ms1mx2.6/3.2, Error ellipse: s-maj=33.6km s-min=11.7km az=108.0

ISCJB 02 13:55:41.7-0.3, 59.82N-153.15W, 0.06, h128km, 2km, mb3.9/3, Error ellipse: s-maj=5.3km s-min=3.4km az=37.5

NEIC 02 13:55:44.2-0.0, 59.82N-153.24W, h114km, ML3.0(AEIC), After AEIC

ISC 02 13:55:42.8-0.8, 59.82N-153.24W, 0.04, h122km, 5km, n95, 0.090/107, mb3.8/3, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for ILS, IVE, ILW, ILLM, AUL, AUL, AUW, AUE, AUI, RED, RED, RDWB, DFR, HOM, RDT, RDT, SPNC, CNFM, BRLK, BRLK, CKT, SPCR, SPCR, SPBG, KARR, CPT, SPNC, SPCG, SW2, KBM, SEW, SEW, ACHA.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for ANCK, FIB, CAHL, KDAD, KDAD, KDAK, KJL, RC01, RC01, SKT, SKT, SKT, PHE, PHE, PLK2, PWL, PWL, PLK3, PLK1, PMR, PLK4, KNK, SML, PPLA, GLI, TOTO, HIN, FID, JPK, JPK, CAST, EYAK, TRF, CHUM, RND, DHY, BPAW, MCK, BMRN, CHGN, HARP, VNHG, BERG, PAX, NEA, WRH, MLY, CCB, HDA, JGL, COLA, MDM, ILAR, ILAR, ILAR, ILB, TABL, CHX, IMS, YUK3, BCPM, PNL, EGAK, DAW, BM3, YKA, KSRW, KSRW, KSAU, SOMN, SOMN, SOMN, ZALV, ZALV.

MEX 02 14:05:05.6-0.9, 19.48N-96.25W, h3km, 90km, MD3.9, Veracruz

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for LVIG, LVIG, LVIG, DEIG.

BUI 02 14:23:01.9, 1.86N-89.56E, h8km, mb4.7/27, mb5.0/13, Ms4.4/16, Ms7.4/15

ISCJB 02 14:23:06.2-0.3, 2.31N-10.04E, 89.80E, 0.03, h10km, mb4.4/38, MS4.1/25, Error ellipse: s-maj=6.6km s-min=4.4km az=15.9

IDC 02 14:23:07.0-0.6, 2.41N-89.79E, h8km, mb4.1/22, mb1.4/2/25, mb1mx4.0/5.9, mbmtmp4.1/25, ML4.1/3, MS4.0/20, Ms1.4/2/25, ms1mx3.8/4.5, Error ellipse: s-maj=19.1km s-min=12.4km az=42.0

NEIC 02 14:23:07.4-2.4, 2.45N-89.79E, h5km, 15km, mb4.7/8, Error ellipse: s-maj=7.7km s-min=4.6km az=216.0

GCMT 02 14:23:09.0-0.4, 2.45N-10.02E, 89.83E, 0.02, h14km, 2km, MW4.8/70, Moment Tensor Solution, s:89, s:70, c:96; Duration: 0 Moment tensor: Scale 1018Nm; Mw:1.33e-09; Mw:0.10e-08; Mw:0.23e-09; Mw:0.21e-20; Mw:1.87e-11; Mw:0.65e-22; Best double couple: M1: 99900x1016 Nf: 1.78, 0.0000x; 384.0000x; 1.19, 0.0000x; 1.19, 0.0000x; s:86.0000x; 871.0000x; 1.174.0000x; Principal axes: T 2.0000, P1g18.0000, Azm44.0000; P -0.0000, P1g70.0000; Azm194.0000; P -1.9990, P1g9.0000; Azm311.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 02 14:23:17.6-1.1, 2.45N-89.79E, h10km, M5.3/7, mb5.3/7, mb5.3/3, MLV5.4/6, Mw(m)B/4.7/3

ISC 02 14:23:08.2-0.5, 2.47N-10.06E, 89.75E, 0.05, h10km, n132, 0.233/131, mb4.4/38, MS4.1/25, 5C-4D, North Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for SNSI, MSLI, MSLI, TPTI, TPTI, LHMI, LHMI, GSI, GSI, KCSI, KCSI, PCSI, PCSI, PBA, PBA, PALK, PALK, PALK, PALK, PALK, PALK, KRAB, KRAB, KULM.

Table with columns: ID, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WAKE ISLAND Hy 28.16 121 T, WAKE ISLAND Hy 28.17 121 T, etc.

ISCJB 02 15:10:51.0-2.0, 6.0:175.0:06:18.9W:0.1, h10km, mb4.7/22, MS4.1/20, Error ellipse: s-maj=11.3km s-min=7.1km az=139.5

IDC 02 15:10:51.8-0.6, 6.0:202x:18.96W, h0km, mb4.4/11, mb1 4.5/12, mb1mx3.4/32, mbtmp3.4/5/12, MLS.4/1, MS4.0/20, Ms1 4.0/20, ms1mx3.9/26, Error ellipse: s-maj=18.5km s-min=15.9km az=44.0

NEIC 02 15:10:53.5-0.3, 6.0:08S:18.99W, h10km, mb4.8/10, Error ellipse: s-maj=10.9km s-min=7.8km az=210.0

GCMT 02 15:03:54.5-0.3, 61.303E:03:18.43W:0.04, h19km, 1km, MW5.083, Moment Tensor Solution, s23,c25: s83,c107; Durations: 0 Moment tensor: Scale 10^16Nm; Mr=2.53; 24; Mw=0.40z:14; Ms=2.93z:16; Mca=1.67z:37; Mb=0.42z:08; Mr=1.07z:25; Best double couple: Mw=3.41100z:10^16 NP1=148.0000z:0.663,0000z:0.1-117.0000z:0. NP2: 0=16.0000z:0.838,0000z:0.1-48.0000z:0. Principal axes: T 3.2890, Plg14.0000z:0. Azm257.0000z:0. N-5.3330, Plg62.0000z:0. Azm14.0000z:0. Azm161.0000z:0. P-3.5330, Plg62.0000z:0. Azm14.0000z:0. nst1a refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 02 15:10:53.4-0.1, 60.008S:0.09:18.96W:0.09, h10km, n79, e130/58, mb4.8/23, MS4.0/20, 1c, East of South Sandwich Islands

Main table of station data for the 2d 16h period, including stations like Neumayer-Stat, Neumayer Oiymp, Neumayer-Watz, etc.

Table with columns: ASAR, Alice Springs, Fitzroy Crossi, etc. Includes station names, coordinates, and time/resolution data.

LZH Lanzhou 136.67 97 ePKP PKPdf 15 30 12.0 -3.3 LZH 15 30 25.3

YKA 0.4nm,0.7s,baz=125,slo=3.8,SNR=5.4 YKBS Yellowknife Arr 142.12 111 ePKPpre PKPpre 15 30 18.0

SON1 Songoing Array 146.60 87 PKPbc 15 30 33.8 -0.4 SON1 Songoing Array 146.61 87 ePKPpdf PKPpdf 15 30 33.0 +0.4

ISCJB 02 15:33:05.0-3.8, 27.505x:141.32E, h0km, mb1 3.4/4, mb1mx3.9/36, mbtmp3.2/4, ML2.8/4, Error ellipse: s-maj=63.1km s-min=16.6km az=64.0

ISCJB 02 15:33:06.8-0.7, 27.995S:0.06:140.54E:0.06, h10km, Error ellipse: s-maj=9.3km s-min=5.8km az=39.7

AUST 02 15:33:20.2-0.1, 28.325x:141.67E, h10km, Error ellipse: s-maj=1.1km s-min=0.2km az=276.0

ISC 02 15:33:08.4-0.8, 28.045S:0.05:140.58E:0.07, h10km, n8, e25/114, South Australia

Main table of station data for the 2012 DEC period, including stations like QLP Quilpie, STKA Stephens Creek, ASAR Alice Springs, etc.

Table with columns: YKA Yellowknife Arr, NEW Newport, SOMN Songoing Array, etc. Includes station names, coordinates, and time/resolution data.

ISCJB 02 16:32:28.0-0.5, 33.86N:0.08:136.30E:0.10, h400km, mb2.1/9, Error ellipse: s-maj=12.5km s-min=6.5km az=4.17

IDC 02 16:32:28.2-0.9, 33.82N:136.37E, h392km, 13km, mb2.9/8, mb1 3.0/12, mb1mx2.9/54, mbtmp3.7/12, Error ellipse: s-maj=23.8km s-min=12.7km az=70.0

JMA 02 16:32:29.1-0.1, 33.90N:136.25E, h396km, 1km, M2.7

ISC 02 16:32:28.8-0.9, 33.87N:0.10:136.32E:0.09, h400km, n25, e086/31, mb3.0/8, Near south coast of western Honshu

Main table of station data for the 68 period, including stations like JMMH Miemihama, JMWJ Wajuchi, JYTA Yamagatanian, etc.

2d 17h

Table with columns for station code, name, frequency, and other details. Includes stations like YM10, YM05, YM11, etc.

2012 DEC

Table with columns for station code, name, frequency, and other details. Includes stations like KNMB, LYJJ, MHZQ, etc.

70

Table with columns for station code, name, frequency, and other details. Includes stations like SNY, NONG, HHC, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like PWRJ, SOEI, WMQ, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like DZM, GNI, ZEI, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like LPAZ, BNB, HGB, etc.

2d 19h

2012 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for Port Moresby, Alice Springs, Stephens Creek, Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for Butcher Ranch, RWWY, PHWY, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for ROC1, ROCI, RCTV, etc.

ISC 02 18:26:15.0:0.8,5.4S:0.1:152.5E:0.1,h40km,n14, ...
IDC 02 19:02:56.4:0.7,36:52N:27:95E,h0km,mb3.9/15, ...

ISC/JB 02 18:42:47.0:4.0,37:36N:0:05:106:15E:0:07,h10km, ...
IDC 02 18:42:48.9:0.9,37:41N:105:09E,h0km,mb3.4/6, ...

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for P17A, RWWY, PHWY, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for ROC1, ROCI, RCTV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for Lanzhou, Xian, Baotou, Gaotai, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for P17A, RWWY, PHWY, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for ROC1, ROCI, RCTV, etc.

IDC 02 18:44:35.2:1.8,38:49N:109:91W,h0km,mb3.4/1, ...
ISC/JB 02 18:44:38.0:0.3,38:93N:0:02:107:57W:0.0:3,h0km, ...

NEIC 02 18:56:24.0:0.0,29:66S:71:38W,h51km,ML4.3(GUC), ...
NEIC Feil [I] at La Higuera, ...

ISC 02 18:56:19.8:2.1,29:58S:0:03:71:64W:0:07,h4km,15km, ...

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for SMCO, PV22, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for P17A, RWWY, PHWY, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes entries for ROC1, ROCI, RCTV, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, I, S, C, ISC. Includes stations like Neapolis, Chios island, Lasithi, SUTC, SIMA, etc.

MAN 02 19:17:24.9, 9.88N, 123.01E, h62km, mb3.8, ML2.6, MS2.1, 1D, Negros

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, I, S, C, ISC. Includes stations like Sibulan, Jordan, Maasin, etc.

ISC 02 19:17:46.9, 1.9, 18.66S, 177.82W, h535km, 20km, mb3.3/5, mb1.3/6, mb1mx3.1/33, mbtmp4.2/6, Error ellipse: s-maj=77.3km s-min=15.5km az=150.0

ISCJB 02 19:17:47.0, 1.43, 83.0, 177.91W, 0.4, h550km, mb3.8/5, Error ellipse: s-maj=88.9km s-min=10.8km az=149.5

ISC 02 19:17:47.7, 1.4, 18.7S, 0.6: 177.7W, 0.3, h550km, n10, 0.1513/12, mb3.9/5, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, I, S, C, ISC. Includes stations like Afiamalu, Afiamalu, Afiamalu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, I, S, C, ISC. Includes stations like STKA, WRA, ASAR, etc.

ISCJB 02 19:18:26.9, 1.0, 31.62S, 0.04: 70.20W, 0.05, h119km, 10km, Error ellipse: s-maj=8.1km s-min=6.1km az=150.2

GUC 02 19:18:26.5, 0.6, 31.64S, 70.17W, h100km, 15km, ML3.0, SJA 02 19:18:27.1, 0.9, 31.58S, 70.20W, h103km, 10km, ML2.7, MW3.3

ISC 02 19:18:27.2, 1.9, 31.62S, 0.04: 70.21W, 0.05, h117km, 10km, n20, 0.05: 24/26, 2C-2D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, I, S, C, ISC. Includes stations like CMCH, AUSP, ZON, SJA, etc.

ISC 02 19:27:30.8, 2.4, 13.99N, 92.37W, h0km, mb3.4/3, mb1.3/6, mb1mx3.6/5, mbtmp3.5/6, ML3.6/3, MS2.3/1, Ms1.2/3, ms1mx2.1/24, Error ellipse: s-maj=49.6km s-min=25.0km az=80

MEX 02 19:27:35.6, 0.6, 13.94N, 92.24W, h20km, 27km, MD3.9, IXC 02 19:27:37.0, 1.6, 14.0N, 0.2: 92.35W, h0.08, h46km, n9, 0.096/14, mb3.5/3, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, I, S, C, ISC. Includes stations like PCIG, APG, CMJG, etc.

ISC 02 19:38:53.8, 0.7, 27.50N, 53.63E, h0km, mb3.9/21, mb1.4/2/6, mb1mx3.9/57, mbtmp3.9/26, ML3.4/5, MS3.2/2, Ms1.3/2, ms1mx2.7/52, Error ellipse: s-maj=16.0km s-min=12.9km az=168.0

THR 02 19:38:54.1, 0.4, 27.40N, 53.66E, h16km, 6km, ML3.8, ISCJB 02 19:38:55.2, 0.3, 27.53N, 0.02: 53.57E, 0.03, h16km, mb4.1/24, MS4.0/2, Error ellipse: s-maj=4.6km s-min=3.1km az=154.0

TEH 02 19:38:56.9, 27.54N, 53.72E, h20km, ML4.0, DSN 02 19:38:58.8, 0.6, 27.54N, 53.61E, h30km, mb4.2/2, ML3.8/1/1, Error ellipse: s-maj=8.6km s-min=6.8km az=85.0

OMAN 02 19:38:59.5, 0.6, 27.24N, 53.65E, h15km, Error ellipse: s-maj=12.2km s-min=6.9km az=350.0

ISC 02 19:38:56.2, 0.4, 27.47N, 0.04: 53.66E, 0.05, h16km, n116, 0.1564/115, mb4.0/29, Southern Iran

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, I, S, C, ISC. Includes stations like JHRM, GENO, SHI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, I, S, C, ISC. Includes stations like IPAR, SHME, SHME, BANOM, etc.

SCLT	baz=240	eS	Sg	19 44 19.6	-1.1	KMI		sP	pP	19 47 43.2	+5.8	MKAR	Makanchi Array	38.79 316	P	P	19 50 55.6	-0.6		
TAI1	Yung-k'ang	1.57 235	eP	Pb	19 44 00.0	-0.7	KMI		S	Sn	19 50 44.6	+0.3	MKAR	comp=Z,2.8nm,0.6s, baz=99,slow=9.8,SNR=18	PcP	PcP	19 53 07.4	-0.1		
TWMT	Shou-shan	1.57 225	eP	Pb	19 44 00.8	0.0	KMI	comp=Z,140nm,5.2s	SS	SnSn	19 51 04.8	+7.2	MKAR	comp=Z,0.6nm,0.6s, baz=93,slow=2.9,SNR=2.9	S	S	19 56 57.9	+2.2		
SGLT	Jiuru	1.60 221	eP	Pg	19 44 01.5	-0.9	KMI	comp=Z,2µm,13.8s	LR	LR			MKAR	comp=Z,0.3nm,0.8s, baz=79,slow=3.1,SNR=3.4	LR	LR	20 08 03.9			
MASBT	Mashibuluo	1.61 215	eP	Pn	19 43 59.1	-0.9	KMI	comp=Z,410nm,15.1s	LR	LR			MKAR	comp=Z,87nm,19.1s, baz=311,slow=38	eP	P	19 50 56.2	0.0		
MASBT	baz=216	eS	Sg	19 44 22.2	-1.4	CD2	Chengdu	17.30 298	P	Pn	19 47 31.2	-2.1	MKAR	comp=Z,28nm,0.8s	eP	PcP	19 53 07.4	-0.1		
EAST	Anshuo	1.71 205	eP	Pn	19 43 59.4	-2.0	CD2		sP	pP	19 47 37.0	-1.0	MKAR	comp=Z,1nm,0.8s	S	S	19 56 57.9	0.0		
TAW	Tawu	1.72 203	eP	Pn	19 44 01.8	+0.4	CD2		PP	SnPn	19 47 47.2	+3.9	MKAR	Makanchi Array	38.79 316	eP	P	19 50 56.2	0.0	
PCYT	Pengchayiu	1.72 13	eP	Pn	19 44 00.8	-0.8	CD2		SS	SnSn	19 50 44.6	-1.2	MKAR		S	S	19 53 07.4			
SCZT	Fangliu	1.82 211	eP	Pn	19 44 02.6	-0.2	CD2	comp=Z,10.0nm,0.4s	pmx	pmx	19 51 05.0	+5.8	MKAR	comp=Z,28nm,0.8s	pmx	pmx	19 56 57.9			
SCZT	baz=208	eS	Sb	19 44 27.5	-0.2	CD2	comp=Z,180nm,7.5s		pmx	pmx			PDGK	Podgornoye	39.55 310	P	P	19 51 06.0	+3.2	
KAU	Kaohsiung	1.83 222	eP	Pb	19 44 05.5	+0.4	CD2	comp=Z,1µm,9.6s	LR	LR			PDGK	comp=Z,9.0nm,0.8s	pmx	pmx				
LAY	Lan-yu	1.90 182	eP	Pn	19 44 01.3	-2.6	CD2	comp=Z,2µm,10.8s	LR	LR			PETK	Petropavlovsk	39.84 34	LR	LR	20 07 40.3		
LAY	baz=171	eS	Sn	19 44 26.4	-1.5	NONG	HHC	18.21 255	P	P	19 47 59.5	+1.5	ZAAO	Zalesovo Array	40.66 327	eP	P	19 51 10.8	-0.9	
WDGT	Dungji	1.93 250	eP	Pn	19 44 03.8	-0.5	HHC	Hu-ho-hao-te	18.85 336	P	P	19 47 55.3	+3.0	ZALV	Zalesovo Beam	40.66 327	P	P	19 51 11.0	-0.7
WDGT	baz=236	eS	Sn	19 44 29.2	+0.6	HHC	comp=Z,53nm,0.9s		S	Sn	19 51 23.3	+0.1	ZALV	comp=Z,5.5nm,0.7s, baz=115,slow=7.8,SNR=25	PcP	PcP	19 53 13.1	-0.2		
PHUB	Peng-hu	1.93 258	P	Pn	19 44 03.8	-0.6	HHC	comp=Z,2µm,10.0s	LR	LR			ZALV	comp=Z,0.5nm,0.5s, baz=125,slow=3.1,SNR=2.7	LR	LR	20 09 39.0			
PHUB	baz=258	S	Sn	19 44 28.5	-0.1	HHC	comp=Z,2µm,10.0s	LR	LR			ZALV	comp=Z,119nm,18.1s, baz=246,slow=39	P	P	19 51 11.5	-0.2			
PNG	Penghu	1.94 259	∩P	Pn	19 44 03.8	-0.6	HHC	comp=Z,1µm,9.5s	LR	LR			ZALV	Zalesovo Beam	40.66 327	eP	P	19 53 13.1	-0.2	
PNG	baz=260	eS	Sn	19 44 28.3	-0.4	MAT	Matsushiro	19.01 45	P	P	19 47 52.8	-0.6	ZALV	comp=Z,15nm,0.9s, baz=321,slow=1.9,SNR=4.7	P	P	19 51 20.1	+2.2		
IRIF	Iriomote-Funau	1.96 78	P	Pn	19 44 05.0	+0.3	MAT	Matsushiro Arr	19.01 45	P	P	19 47 53.8	+0.3	ZALV	comp=Z,6.1nm,0.8s	S	S	19 53 14.6	-1.5	
IRIF	baz=238	eS	Sn	19 44 29.4	+0.1	MJAR	comp=Z,0.2nm,0.3s, baz=231,slow=10,SNR=10	LR	LR	19 55 56.2		ZALV	comp=Z,13nm,1.1s	LR	LR	19 57 41.2	+1.7			
WLCH	Liujiu	1.96 216	eP	Pb	19 44 07.0	-0.3	MJAR	comp=Z,110nm,18.9s, baz=230,slow=39	LR	LR			ZALV	comp=Z,250nm,8.5s	pmx	pmx	20 00 37.4	+1.1		
TWP	Hsiao-liuchiu	1.97 216	eP	Pb	19 44 07.1	-0.5	LZH	Lanzhou	19.55 312	eP	Pn	19 48 00.4	-0.3	KSH	comp=Z,150nm,5.9s	LR	LR			
HATJ	Hataruma jima	1.99 86	P	Pn	19 44 05.3	+0.1	LZH		sP	pP	19 48 03.9	-0.5	KSH	comp=Z,560nm,6.4s	LR	LR				
HATJ	baz=233	eS	Sn	19 44 30.7	+0.6	LZH		sP	pP	19 48 06.1	+3.3	KSH	comp=Z,2.5nm,0.7s, baz=115,slow=7.8,SNR=25	LR	LR	19 51 17.8	-1.0			
HEN	Hengchun	2.10 203	eP	Pn	19 44 08.7	-1.0	LZH		PP	SnPn	19 48 20.5	+6.4	PMG	Port Moresby	41.49 140	P	P	19 51 20.0	-0.4	
HWK1	Hengchun	2.13 201	eP	Pn	19 44 07.1	-0.1	LZH		SS	SnSn	19 52 01.5	+1.3	NRN	Naryn	41.65 306	eP	P	19 51 20.0	-0.4	
HWK1	baz=186	eS	Sn	19 44 34.3	+0.4	LZH	comp=Z,61nm,1.0s		pmx	pmx			NRN	comp=Z,6.3nm,0.9s	eP	P	19 51 20.0	-0.4		
TSEB	Hengchun, Pin	2.14 198	eP	Pn	19 44 08.3	+1.0	LZH	comp=Z,280nm,4.9s	LR	LR			NRN	comp=Z,6.0nm,0.9s	pmx	pmx				
VCHM	Qimei	2.15 250	eP	Pn	19 44 07.5	+0.1	LZH	comp=Z,1µm,10.3s	LR	LR			NVS	Novosibirsk	41.92 327	eP	P	19 51 12.6	-9.4	
VCHM	baz=238	eS	Sn	19 44 34.3	+0.4	LZH	comp=Z,1µm,10.3s	LR	LR			H11N1	WAKE ISLAND Hy	42.09 87	T	T	20 36 27.0			
JKRS	Kuro-shima	2.19 82	P	Pn	19 44 08.7	+0.7	LN2	Changchun	20.05 8	eP	S	19 48 06.4	-0.1	H11N2	WAKE ISLAND Hy	42.10 87	T	T	20 36 29.1	
JKRS	baz=275	S	Sb	19 44 36.9	-1.6	LN2	comp=Z,2µm,11.7s		eS	S	19 51 40.3	-1.0	H11N3	WAKE ISLAND Hy	42.11 87	T	T	20 36 28.3		
VWUC	VWUC	2.24 298	eP	Pn	19 44 06.6	-2.0	LN2	comp=Z,10.0nm,0.8s	pmx	pmx			H11S3	WAKE ISLAND Hy	42.22 88	T	T	20 36 30.9		
JJU	Ishigaki jima	2.23 79	P	Pn	19 44 09.7	-0.2	LN2	comp=Z,200nm,5.0s		pmx	pmx		H11S1	WAKE ISLAND Hy	42.23 88	T	T	20 36 37.3		
JJU	baz=297	S	Sn	19 44 38.7	+0.2	LN2	comp=Z,200nm,5.0s	LR	LR			H11S2	WAKE ISLAND Hy	42.24 88	T	T	20 36 32.7			
JISG	Ishigakijimahi	2.53 75	P	Pn	19 44 12.5	-0.1	LN2	comp=Z,300nm,15.0s	LR	LR			KURK	Kurchatov	42.53 320	eP	P	19 51 27.1	+0.1	
JISG	baz=311	S	Sn	19 44 43.8	+0.4	LN2	comp=Z,900nm,15.0s	LR	LR			KURK	comp=Z,3.0nm,0.6s	pmx	pmx	19 51 27.4	+0.4			
MATB	Ma-tsu	2.67 326	eP	Pn	19 44 13.8	-0.8	LN2	comp=Z,2µm,11.7s	LR	LR			KURBB	Kurchatov Arr	42.55 320	P	P	19 51 27.1	-0.1	
JTJ	Tarama	2.89 76	P	Pn	19 44 17.8	+0.3	CHAI	Chaiphaphu	20.11 250	P	Pn	19 48 13.8	+6.4	AAK	Ala-Archa	42.97 307	P	P	19 51 31.2	+0.2
JTJ	baz=297	eS	Sn	19 44 53.2	+1.0	CHAI	comp=Z,3.0nm,1.0s		eS	S	19 48 18.0	+3.4	AAK	comp=Z,0.9nm,0.7s, baz=116,slow=2.5,SNR=4.5	LR	LR	20 12 18.3			
OZH	Quanzhou	2.94 290	Pn	Pn	19 44 16.8	-1.4	PAYA	Payao	20.73 261	P	Pn	19 48 19.2	+1.8	SFK	Sufi-Kurgan	43.32 304	P	P	19 51 37.4	+3.5
OZH	kinmen	2.96 280	eP	Pn	19 44 18.9	+0.5	SRAK	Srakaw	20.97 245	P	Pn	19 48 20.6	+8.3	MNAS	Manas	44.40 307	P	P	19 51 45.8	+3.4
KNMB	Chin-men Tao	3.00 281	eP	Pn	19 44 17.6	-1.5	LAMP	Lampang	21.19 259	P	P	19 48 25.6	+8.3	WRAB	Tennant Creek	45.34 163	eP	P	19 51 47.1	-2.8
JIRB	Irabuyi	3.35 74	P	Pn	19 44 24.4	+0.5	SUKH	Sukhothai	21.54 257	P	P	19 48 30.6	+1.0	WRAB	Tennant Creek	45.34 163	iP	P	19 51 48.5	-1.4
JIRB	baz=277	eS	Sn	19 45 04.6	+1.0	CMMT	Chiang Mai	21.72 261	P	P	19 48 26.6	+3.7	WRAB	comp=Z,9.0nm,1.1s	pmx	pmx	19 51 47.5	-2.5		
JKIM	Ikemajima	3.44 73	P	Pn	19 44 26.3	+1.2	CMMT	comp=Z,4.1nm,0.9s		P	19 48 26.6	+3.7	WRA	comp=Z,5.2nm,0.8s, baz=346,slow=8.6,SNR=35	PcP	PcP	19 53 28.5	-0.9		
JKIM	baz=275	eS	Sn	19 45 06.4	+0.6	CHTO	Chiang Mai	21.72 261	eP	P	19 48 24.1	+1.1	WRA	comp=Z,0.9nm,0.7s, baz=351,slow=4.1,SNR=4.0	P	P	19 51 47.5	-2.5		
JMJ	Miyako jima 2	3.45 75	eS	Sn	19 45 07.5	+1.4	CHTO	Chiang Mai	21.72 261	eP	P	19 48 24.1	+1.1	WRA	comp=Z,6.0nm,0.7s	pmx	pmx	19 51 48.7	-1.3	
JOGS	Gusukube	3.54 76	P	Pn	19 44 28.0	+1.5	CHTO	Chiang Mai Arr	21.83 260	P	P	19 48 25.0	+0.9	WRA	Warramunga Arr	45.35 163	P	P	19 52 07.8	-1.6
VDOS	Pratas Island	5.57 235	eP	Pn	19 44 55.2	+0.8	CMAR	Chiang Mai Arr	21.83 260	P	P	19 48 25.0	+1.2	WRA	comp=Z,4.4nm,0.8s, baz=341,slow=6.7,SNR=36	P	P	19 53 05.9	+1.1	
JOW	Kunigami	6.66 63	Pn	Pn	19 45 08.6	-0.9	CMAR	comp=Z,5.7nm,0.9s, baz=61,slow=8.2,SNR=19	LR	LR	19 57 19.1		ASAR	comp=Z,0.7nm,0.6s, baz=347,slow=3.8,SNR=4.4	P	P	19 52 15.5	-1.5		
JOW	1.6nm,0.3s, baz=124,slow=24,SNR=17	S	Sn	19 46 23.0	-2.3	CMAR	comp=Z,110nm,18.2s, baz=71,slow=38	LR	LR			NRK	Nori'sk	49.74 345	P	P	19 52 22.8	-0.7		
JOW	Kunigami	6.66 63	eP	Pn	19 45 08.3	-1.1	CMAR	Chiang Mai Arr	21.83 260	P	P	19 48 24.6	-0.2	CTA	Charters Tower	49.91 149	P	P	19 52 25.5	+0.1
JOW	baz=64	eP	Pn	19 45 08.3	-1.1	USRK	Ussuriysk Arr	21.91 20	P	P	19 48 24.6	-0.2	CTA	Charters Tower	49.91 149	P	P	19 52 25.5	+0.1	
JOW	Kunigami	6.66 63	ePn	Pn	19 45 07.5	-1.9	USRK	comp=Z,8.0nm,0.8s, baz=205,slow=1.3,SNR=6.6	LR	LR			BILL	Bilibino	51.77 20	∩P	P	19 52 38.0	-0.8	
JOW	Guangzhou	7.65 265	S	Sn	19 45 18.4	-4.6	UTHA	Uthaitani	22.46 252	P	P	19 48 38.0	+7.1	BILL	comp=Z,6.0nm,1.0s	eP	P	19 52 46.5	0.0	
GZH	GZH		smx	19 46 33.1	-1.7	UTHA	comp=Z,3.2nm,1.0s		smx	smx			BILL	comp=Z,6.0nm,1.0s	pmx	pmx				
GZH	comp=N,390nm,1.3s	smx	smx			UMPA	Umpang Tak	22.71 254	P	P	19 48 40.7	+7.1	BRVK	Borovoye	48.19 321	eP	P	19 52 11.2	-0.6	
MCO	Taipa Grande	7.65 258	P	Pn	19 45 24.0	+1.0	MPSI	Mapaga	23.53 184	P	P	19 48 39.3	-2.6	ASAR	Alice Springs	48.81 165	P	P	19 52 15.8	-1.2
NJ2	Nanjing	8.44 344	eP	Pn	19 45 32.3	-1.5	GTA	Goatia	24.04 315	eP	P	19 48 46.6	-0.2	ASAR	comp=Z,4.4nm,0.8s, baz=341,slow=6.7,SNR=36	P	P	19 53 40.5	-1.1	
NJ2	comp=E,29nm,0.5s	smx	smx	19 47 05.5	-3.5	GTA		sP	sP	19 48 50.8	-1.2	AS01	comp=Z,0.7nm,0.6s, baz=347,slow=3.8,SNR=4.4	P	P	19 52 15.5	-1.5			
NJ2	comp=E,88nm,0.8s	smx	smx			GTA		sP	sP	19 48 53.7	+3.2	NRK	Nori'sk	49.74 345	P	P	19 52 22.8	-0.7		
NJ2	comp=E,210nm,1.5s	LR	LR			GTA		S	SnSn	19 53 02.2	-1.7	CTA	Charters Tower	49.91 149	P	P	19 52 25.5	+0.1		
NJ2	comp=E,2µm,8.1s	LR	LR			GTA	comp=Z,86nm,6.7s	LR	LR			CTA	Charters Tower	49.91 149	P	P	19 52 25.5	+0.1		
NJ2	comp=E,1µm,6.5s	LR	LR			GTA	comp=Z,610nm,10.8s	LR	LR			BILL	comp=Z,4.0nm,0.6s	pmx	pmx					
NJ2	comp=E,3µm,9.5s	LR	LR			STKI	Sintang	25.70 204	P	P	19									

DZM	3.9nm, 0.3s, baz=86, slow=1.9, SNR=32	S	S	21 06 01.1 +0.2	CTBH Cotabato-PC H 62.33 291 J/P	P	21 10 16.1 0.0	comp=Z,20nm,0.6s	PD31 Pinedale Array 90.77 44 eP	P	21 12 50.6 -0.4	
DZM	baz=8.2, slow=1.7, SNR=3.1	S			JAGI Jagaj, Banyuw 65.11 271 eP	P	21 10 32.2 -1.6		PD31 Pinedale Array 90.77 44 eP	P	21 12 50.6 -0.4	
DZM	56m, 0.5s	P			QSPA South Pole Qui 68.29 180 eP	P	21 10 54.1 +1.5		LZH Lanzhou 92.54 308 eP	pP	21 13 00.9 +1.7	
DZM	Mont Dzumac 13.17 266 eP	P	P	21 03 41.0 +0.4	KKM Kota Kinabalu 68.86 286 P	P	21 10 58.0 +1.1		LZH Lanzhou 92.54 308 eP	pP	21 15 09.6 +1.9	
DZM	Mont Dzumac 13.17 266 eP	P	P	21 05 56.9 -4.1	JOW Kunigami 70.03 311 P	P	21 11 03.2 -0.3		LZH Lanzhou 92.54 308 eP	sP	21 16 09.9 +3.3	
NFK	Norfolk Island 13.55 235 P	P			JOW Kunigami 70.03 311 eP	P	21 11 03.2 -0.3		LZH Lanzhou 92.54 308 eP	pmax		
URZ	Urewera 16.70 190 P	P	P	21 04 11.8 -2.0	MJAR Matsushiro Arr 70.50 325 P	P	21 11 05.3 -0.7		ULN Ulanbatar 95.50 320 eP	P	21 13 11.8 -0.6	
URZ	2.2nm, 0.3s, baz=240, slow=1.7, SNR=12	S			MAJO Matsushiro 70.50 325 eP	P	21 11 05.7 -0.4		SONAO Songino Array 95.89 319 eP	P	21 13 13.0 -1.1	
URZ	1.3nm, 0.3s, baz=39, slow=2.3, SNR=13	S			MAT Matsushiro 70.50 325 P	P	21 11 05.3 -0.7		SONM Songino Array 95.89 319 P	P	21 13 13.0 -1.1	
URZ	Urewera 16.70 190 eP	P	P	21 04 11.8 -2.0	MJBW Matsu-Tunnel 70.50 325 eP	P	21 11 06.0 -0.1		SONM 0.9nm, 0.7s, baz=100, slow=3.7, SNR=5.4	PP	21 17 19.4 +2.4	
URZ	1.4nm, 0.3s, baz=39, slow=2.3, SNR=13	S			SBUM Sibu 70.97 281 P	P	21 11 10.0 +0.7		GTA Gaotai 96.80 310 eP	P	21 13 18.3 -0.1	
URZ	Urewera 16.70 190 eP	P	P	21 04 11.8 -2.0	JNU Nakatsue 72.35 31 P	P	21 11 16.7 -0.2		GTA Gaotai 96.80 310 eP	pP	21 15 29.4 +2.1	
RAR	Rarotonga 18.25 92 P	P	P	21 04 27.6 -0.5	JNU Nakatsue 72.35 318 eP	P	21 11 16.7 -0.2		GTA Gaotai 96.80 310 eP	sP	21 16 26.1 0.0	
RAR	Rarotonga 18.25 92 eP	P	P	21 04 27.6 -0.5	NACB Ninganchiao 73.35 305 eP	P	21 11 22.3 -0.5		GTA Gaotai 96.80 310 eP	pmax		
LHI	Lord Howe Isla 21.54 239 P	P			TPUB Tapu 73.61 304 eP	P	21 11 22.0 -2.3		ZAA1 Zalesovo Array 110.69 321 ePKiP	PKiP	21 18 14.2 -1.7	
RPZ	Rata Peaks 23.27 198 P	P			SSLB Saanglung 73.63 304 eP	P	21 11 23.0 -1.4		ZALV Zalesovo Beam 110.69 321 ePKiP	PKiP	21 18 14.2 -1.7	
HNR	Honiara 23.36 299 P	P			ASAJ Asahikawa 74.26 333 P	P	21 11 28.1 +0.7		1.1nm, 0.6s, baz=118, slow=4.0, SNR=5.5	PKiP	21 18 15.6 -1.4	
EIDS	Eidsvold 27.29 257 P	P	P	21 05 49.5 +0.9	KSRK Korea Array 77.01 319 P	P	21 11 43.1 +0.4		MK32 Makanchi Array 111.14 313 ePKiP	PKiP	21 19 14.1 +5.6	
EIDS	Eidsvold 27.29 257 eP	P	P	21 05 49.5 +0.9	KS15 Wonju Array Si 77.03 319 P	P	21 11 43.1 +0.3		MKAR Makanchi Array 111.14 313 ePKiP	PKiP	21 18 15.6 -1.4	
ARMA	Armidae 27.37 246 P	P	P	21 05 51.5 +2.2	KSAR Wonju Array Be 77.03 319 P	P	21 11 43.1 +0.3		0.4nm, 0.4s, baz=195, slow=1.2, SNR=13	PP	21 19 14.1 +5.6	
ARMA	Armidae 27.37 246 eP	P	P	21 05 51.5 +2.2	KS01 Wonju Array Si 77.05 319 eP	P	21 11 42.6 -0.3		0.6nm, 0.8s, baz=105, slow=8.9, SNR=9.9	PP	21 19 14.1 +5.6	
TBI	Tubuai 27.64 99 eP	P	P	21 05 52.0 +0.3	PETK Petropavlovsk- 77.19 346 P	P	21 11 43.0 -0.4		KSH Khabib 114.57 305 PPK	PKP	21 18 23.7 -0.2	
PP2	Papeete 28.34 87 eP	P	P	21 05 58.0 +0.1	PEA1 Petropavlovsk- 77.20 346 eP	P	21 11 43.0 -0.4		KSH Khabib 114.57 305 PPK	PKP	21 19 39.2 +6.5	
PP2	Papeete 28.34 87 eP	P	P	21 05 58.0 +0.1	MYKM Kora Tinggi 78.41 277 P	P	21 11 52.0 +1.2		KSH Khabib 114.57 305 PPK	PKP	21 21 40.8	
MGCD	Mangrove Creek 28.46 240 P	P	P	21 06 01.0 +2.3	USA0B Ussuriysk Arra 79.32 327 eP	P	21 11 55.9 +1.0		KSH Khabib 114.57 305 PPK	PKP	21 25 27.8	
TIAR	Tiarei 28.56 87 eP	P	P	21 05 59.8 0.0	USRK Ussuriysk Arr 79.32 327 P	P	21 11 55.9 +0.9		comp=Z,1.140nm, 6.3s	BRVK Borovoye 119.29 320 ePKPdf	PKPdf	21 18 31.4 -1.0
TMO	Taravao 28.59 87 eP	P	P	21 06 00.2 +0.1	NJ2 Nanjing 79.72 310 eP	P	21 11 58.7 +0.9		KBL Kabul 119.38 298 ePKPdf	PKPdf	21 18 33.3 -0.1	
RMQ	Roma 24.25 254 P	P	P	21 06 09.2 +2.1	NJ2 Nanjing 79.72 310 eP	P	21 11 58.7 +0.9		ARU Art 125.52 325 ePKPdf	PKPdf	21 18 43.5 -0.6	
CNB	Canberra Magne 30.45 237 P	P	P	21 06 18.0 +2.1	MAW Mawson 79.93 200 P	P	21 11 58.7 +0.9		ABZAK Abulak array 126.12 316 ePKPdf	PKPdf	21 18 45.2 -0.1	
PMOR	Pomorie Ree 30.58 83 eP	P	P	21 06 16.7 -0.5	IPM Ipol 82.03 278 eP	P	21 12 10.1 +0.3		GEYT Altekak 128.30 302 PPK	PKPdf	21 18 49.2 -1.4	
CAN	Canberra 30.74 237 eP	P	P	21 06 20.2 +1.8	CN2 Changchun 82.55 323 eP	P	21 12 11.9 +0.3		1.6nm, 0.6s, baz=289, slow=4.5, SNR=6.6	ARCS ARCES Array B 129.94 349 ePKPdf	PKPdf	21 18 50.9 -1.4
VAH	Vaihoo 30.76 83 eP	P	P	21 06 31.1 +0.9	KULM Kulim 82.69 279 eP	P	21 12 13.6 +0.6		3.3nm, 0.6s, baz=30, slow=0.9, SNR=14	ARCS ARCES Array B 129.94 349 ePKPdf	PKPdf	21 18 50.9 -1.4
CTAO	Charters Tower 32.11 267 eP	P	P	21 08 02.1 -4.2	CV202 Changchun 82.55 323 eP	P	21 12 13.6 +0.6		1.1nm, 1.0s, baz=260, slow=1.1, SNR=9.0	FIAO FINESS Array S 136.62 343 ePKPp	PKPp	21 18 52.0
CTAO	Cobar Meteorol 32.58 245 P	P	P	21 06 35.5 +1.3	KULM Kulim 82.69 279 eP	P	21 12 13.6 +0.6		0.8nm, 0.4s, baz=38, slow=3.4, SNR=6.5	FIAO FINESS Array S 136.62 343 ePKPp	PKPp	21 18 52.0
QLP	Quilpie 33.47 254 P	P	P	21 06 42.4 +0.9	NV01 Mila Array Sit 82.83 44 eP	P	21 12 11.8 -1.6		FIAO FINESS Array S 136.62 343 ePKPp	PKPp	21 18 52.0	
TOO	Toooling 34.11 235 P	P	P	21 06 48.5 +1.7	NVAR Mila Array Bea 82.83 44 eP	P	21 12 11.8 -1.6		FINES FINESS Array B 136.62 343 ePKiP	PKiP	21 18 52.0	
TOO	Toooling 34.11 235 eP	P	P	21 06 48.5 +1.7	113A Mohawk Valley, 82.84 51 P	P	21 12 14.4 +1.2		FINES FINESS Array B 136.62 343 ePKiP	PKiP	21 18 52.0	
MPSU	Mount Surprise 34.28 270 P	P	P	21 06 49.1 +0.7	GSI Gumungitolli 84.03 274 eP	P	21 12 20.4 +0.7		0.9nm, 0.8s, baz=85, slow=4.0, SNR=7.7	KMBO Kilima Mbogo 137.61 242 eSKPbc	SKPbc	21 21 48.5 +1.1
PTG	Port Moresby 34.42 286 eP	P	P	21 06 49.3 +0.3	TUC Tucson 84.77 52 eP	P	21 12 24.5 +1.5		0.3nm, 0.7s, baz=114, slow=6.6, SNR=4.2	KMBO Kilima Mbogo 137.61 242 eSKPbc	SKPbc	21 21 49.2 -2.1
STKA	Stephens Creek 36.09 245 P	P	P	21 07 04.6 +1.4	X16A Lo Mia Camp, P 85.35 50 eP	P	21 12 27.0 +1.2		0.9nm, 0.7s, baz=114, slow=6.6, SNR=4.2	KBZ Khabab 138.83 312 eSKPbc	SKPbc	21 21 49.5 +0.1
STKA	Stephens Creek 36.09 245 eP	P	P	21 07 04.6 +1.4	319A Douglas 85.44 54 eP	P	21 12 27.9 +1.7		comp=Z,2.3nm, 0.8s, baz=16, slow=3.2	NB2 NORSAR Array S 140.08 352 ePKPp	PKPp	21 19 03.6
STKA	Stephens Creek 36.09 245 eP	P	P	21 07 04.6 +1.4	ENH Enshi 85.71 305 eP	P	21 12 28.3 +0.9		0.8nm, 0.7s, baz=114, slow=6.6, SNR=4.2	NB200 NORSAR Array B 140.08 352 ePKPp	PKPp	21 19 03.6
COEN	Coen 36.41 276 P	P	P	21 07 07.0 +0.9	U15A North Rim 85.77 48 eP	P	21 12 29.1 +1.1		comp=Z,2.3nm, 0.8s, baz=16, slow=3.2	NB200 NORSAR Array B 140.08 352 ePKPp	PKPp	21 19 03.6
COEN	Coen 36.41 276 eP	P	P	21 07 07.0 +0.9	LHMI Lok Sumawe 86.08 277 eP	P	21 12 30.5 +1.0		NOA NORSAR Array B 140.08 352 ePKPp	PKPp	21 19 03.6	
QIS	Mount Isa 36.20 264 P	P	P	21 07 20.6 0.0	GYA Guiyang 86.18 300 eP	P	21 12 30.5 +1.0		comp=Z,0.4nm, 0.5s, baz=14, slow=4.1, SNR=4.1	NOA NORSAR Array B 140.08 352 ePKPp	PKPp	21 19 03.6
HTT	Hallett 38.50 243 P	P	P	21 07 23.8 +0.9	GYA Guiyang 86.18 300 eP	P	21 12 30.5 +1.0		comp=Z,1.8nm, 0.7s, baz=15, slow=3.5, SNR=7.2	AKASG Malin Array Be 143.49 329 PPKPab	PKPab	21 19 15.2 -1.3
BBOO	Bucklebooe 40.84 245 P	P	P	21 07 42.1 +0.6	GYA Guiyang 86.18 300 eP	P	21 12 30.5 +1.0		comp=Z,2.2nm, 0.5s, baz=43, slow=4.4, SNR=139	AKASG Malin Array Be 143.49 329 PPKPab	PKPab	21 19 15.2 -1.3
BBOO	Bucklebooe 40.84 245 eP	P	P	21 07 42.1 +0.6	GYA Guiyang 86.18 300 eP	P	21 12 30.5 +1.0		AKASG Malin Array Si 143.49 329 ePKPbc	PKPbc	21 22 00.3 -0.7	
RKT	Rikitea 40.94 101 eP	P	P	21 07 42.2 -0.2	GYA Guiyang 86.18 300 eP	P	21 12 30.5 +1.0		AKIEV Kiev 143.50 329 ePKPbc	PKPbc	21 22 00.3 -0.7	
AS01	Alice Springs 42.95 258 eP	P	P	21 07 58.4 +0.1	SNAW Sanae 86.76 179 P	P	21 12 31.3 -0.4		SUW Suwalki 143.56 338 ePKP	PKP	21 19 15.9 -0.7	
AS01	Alice Springs 42.95 258 eP	P	P	21 07 58.4 +0.1	SNAW Sanae 86.76 179 eP	P	21 12 31.3 -0.4		SUW Suwalki 143.56 338 ePKP	PKP	21 19 15.9 -0.7	
AS01	Alice Springs 42.95 258 eP	P	P	21 07 58.4 +0.1	VNA3 Neumayer Olymp 86.94 177 P	P	21 12 32.3 -0.2		GKP Gorka Klasztor 146.10 342 ePKPbc	PKPbc	21 19 23.5 -0.7	
ASAR	Alice Springs 42.99 258 P	P	P	21 07 59.0 +0.4	SCM Sheep Creek Mo 87.19 15 eP	P	21 12 33.6 -0.1		BEL Belsk 146.17 337 ePKP	PKP	21 19 24.5 0.0	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	SEY Seychman 87.34 347 P	P	21 12 34.0 -0.3		BR101 Keskin Array S 146.72 310 ePKPbc	PKPbc	21 19 25.8 -0.8	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	VNA2 Neumayer-Watz 87.37 177 P	P	21 12 34.5 0.0		BR131 Keskin Array S 146.72 310 ePKPdf	PKPdf	21 19 25.9 -0.7	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	CAST Castle Rocks 87.59 12 eP	P	21 12 33.8 -1.6		BRTR Keskin Array B 146.72 310 ePKPbc	PKPbc	21 19 25.8 -0.8	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	VNA1 Neumayer-Stat 87.61 177 P	P	21 12 35.6 -0.1		KWP Kalwarja Pacla 147.18 333 ePKP	PKP	21 19 27.1 -0.2	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	XAN Xi'an 87.90 308 P	P	21 12 38.4 +0.7		ANTO Ankara 147.26 311 ePKPbc	PKPbc	21 19 28.1 +0.1	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	XAN Xi'an 87.90 308 P	P	21 12 38.4 +0.7		BR231 Keskin MP Arra 147.28 311 ePKPbc	PKPbc	21 19 28.0 0.0	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	TRF Thorfare Moun 87.97 13 eP	P	21 12 36.4 -1.1		BUR08 Bucovina Ar. S 147.50 328 ePKPbc	PKPbc	21 19 28.6 +0.3	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	RND Reindeer 88.23 13 eP	P	21 12 38.0 -0.5		FR04 Bucovina Ar. S 147.51 328 ePKPbc	PKPbc	21 19 28.6 +0.4	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	SUKH Sukhothai 88.36 289 P	P	21 12 42.1 +2.0		NIE Niedzica 148.32 335 ePKP	PKP	21 19 30.6 0.0	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	MNTX Cornudas Mount 88.53 55 eP	P	21 12 41.7 +1.1		KSP Ksiaz 148.51 341 ePKP	PKP	21 19 30.6 0.0	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	LAMP Lampang 88.77 290 P	P	21 12 43.8 +1.8		CSS Mathiatis 148.53 302 ePKPbc	PKPbc	21 19 29.9 -1.3	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	KMI Kunning 88.80 298 P	P	21 12 44.2 +1.9		MLR Muntele Rosu 148.57 325 ePKPbc	PKPbc	21 19 30.5 -0.6	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	TX31 Lajitas Ar. Si 88.82 58 eP	P	21 12 42.7 +0.6		OKC Ostrava-Krasne 148.77 338 ePKP	PKP	21 19 30.7 -0.6	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	LTX Lajitas 88.82 58 eP	P	21 12 42.8 +0.7		LANS Liptovska Anna 148.86 336 ePKP	PKP	21 19 32.4 +0.8	
ASAR	Alice Springs 42.99 258 eP	P	P	21 07 59.0 +0.4	TXAR Lajitas Array 88.82 58 eP	P	21 12 42.8 +0.7		LANS Liptovska Anna 148.86 336 ePKP	PKP	21 19 32.4 +0.8	
ASAR	Alice Springs 42.99 258 e											

3d 1h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like P46A Rosedale, MERS Mersin, WLF Waferdange, etc.

2012 DEC

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BDFB Brasilia, NVL N'azarevskaya, PLCA Paso Flores, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MSRU Castanea, PLAC Palanca, PLAC Palanca, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like Charters Tower, Tenna Creek, Warramunga Arr, etc.

ISC/JB 03 03:11:04.4-0.3, 88.2S:0:05:25:51W:0:10, h10km, mb4.9/48, MS4.3/11, Error ellipse: s-maj=8.6km...

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like Hope Point, Neumayer-Stat, Neumayer Olymp, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like Villa Florida, Peldehue, El Roble, Sutherland, Tololo Observa, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like W13A Hualapai Mount, PV03 Paradox Valley, PV11 David Mesa, etc.

Table with columns: TRF, BPAW, MLY, PPLA, GOLD, CAST, MJAR, MJAR, USRK. Includes station names, coordinates, and various codes.

NNC 03 05:15.05.2.3.2, 37.14N, 70.62E, h0km, mb3.8, mpv3.4, 4C-4D, Error ellipse: s-maj=26.2km s-min=22.8km

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

SJA 03 03:33:28.9.0.7, 32.34S, 72.02W, h10km, 10km, ML4.7, MW4.0

GUC 03 03:33:31.1.0.6, 32.31S, 71.73W, h57km, 8km, ML3.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like El Roble, Combarbala, Peldehue, Cerro Calan, etc.

WEL 03 03:57:03.3.0.5, 33°S, 6°18'0W, h12, h33km, ML4.9, 21, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Green Lake, Matakaoa Point, etc.

MEX 03 04:13:45.7.0.8, 18.01N, 100.66W, h50km, MD3.7, Guerrero

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

Table with columns: ARIG, ARIG, MEIG. Includes station names like Puento Sto Nin, Mezcala.

NIED 03 04:14:00.38.60N, 141.90E, h47km, MW4.2 Best double couple...

JMA 03 04:14:06.5.38.58N, 141.90E, h49km, 7km, n57, e0.99/64, mb3.9/20, MS3.7/3, Near east coast of eastern Honshu

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kesennumotoy, Ishinomakikobu, etc.

ISC/JB 03 04:34:44.0.0.6, 31.50N, 0.04, 7.38E, h33km, mb3.6/5, MS4.0/1, Error ellipse: s-maj=10.9km

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

s-min=38.5km az=52.0 NNC 03 04:34:55.9.1.9, 32.15N, 74.76E, h27km, 17km, mb3.6, mpv4.2, Error ellipse: s-maj=27.0km s-min=13.9km

ISC 03 04:34:44.6.0.9, 31.46N, 0.05, 74.16E, h0.08, h35km, n44, e272/54, mb3.8/5, 6C-7Z, India-Pakistan border region

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DHARMASHALA, Simla, Bahadurgarh, etc.

ISC/JB 03 04:36:00.8.0.1, 46.221N, 0.010, 14.81E, h0.01, h23km, 1km, mb3.9/6, Error ellipse: s-maj=1.7km

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

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like LTVH, MDVR, DRME, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BEBN, BCLA, GIVF, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like JIHU, JYT, KAWAUCHI, etc.

UCR 03 04:56:43.0, 2.3, 8.59N, 82.74W, h122km, 7km, MD3.8, 2C-1D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BRU2, EDVW, etc.

NIED 03 04:57:00, 36.40N, 140.80E, h89km, Mw4.2 Best double couple: M2.43000x1015 NP1.0x340.00000, d33.00000, lambda-123.00000, NP2.0x197.00000, d63.00000, lambda-71.00000

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BRU2, EDVW, etc.

WAKE ISLAND HY 28.219 T T 05 33 14.9

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like WAKE ISLAND HY, WAKE ISLAND HY, etc.

TIXI	Tiksi	35.92 354	P	P	05 04 05.8 -0.2
NONG	Nongkai	37.81 251	P	P	05 04 23.9 +1.2
FAKI	Fak Fak	39.87 193	eP	P	05 04 39.8 -0.1
CHAI	Chaiyaphum	39.99 250	P	P	05 04 41.8 +0.8
PBKT	Sadakon	40.36 251	P	P	05 04 44.3 +0.3
DGZ	Jazzator, Alta	39.99 306c	iP	P	05 04 44.9 +0.8
DGZ			pmax	pmax	
CHTO	Chiang Mai	40.63 256	eP	P	05 04 45.0 -1.3
CHTO	Chiang Mai	40.63 256	eP	P	05 04 45.0 -1.3
WMQ	Urumqi	40.70 297	P	P	05 04 47.5 +0.8
WMQ			pmax	pmax	
WMQ			pmax	pmax	
WMQ			LR	LR	
CMAR	Chiang Mai Arr	40.83 256	P	P	05 04 47.4 -0.5
CMAR	Chiang Mai Arr	40.83 256	eP	P	05 04 47.7 -0.2
CMAR			pmax	pmax	
ZAAO	Zalesovo Array	42.01 313	eP	P	05 04 57.2 +0.2
ZALV	Zalesovo Beam	42.01 313	P	P	05 04 57.1 +0.1
ZALV	Nome	42.45 31	eP	P	05 04 57.0 -0.1
ZALV	Nome	42.45 31	eP	P	05 05 00.9 +0.5
ANM	Nome	42.45 31	eP	P	05 05 01.0 +0.5
ANM			pmax	pmax	
NVS	Novosibirsk	42.95 314	iP	P	05 05 05.1 +0.4
NRHK	Norilsk	43.68 336	P	P	05 05 11.8 +1.4
MK01	Makanchi Array	44.06 303	eP	P	05 05 13.8 -0.0
MK01	Makanchi Array	44.06 303	eP	P	05 05 13.8 -0.0
MK01	Makanchi Array	44.06 303	eP	P	05 05 13.8 -0.0
MK01	Makanchi Array	44.06 303	eP	P	05 05 13.8 -0.0
ODAN	Odare	45.95 274	eP	P	05 05 28.6 -0.7
KURK	Kurchatov	45.96 309	eP	P	05 05 28.5 -0.2
KURK	Kurchatov	45.96 309	eP	P	05 05 28.5 -0.2
KURK			pmax	pmax	
RAMN	Ramite	46.55 274	eP	P	05 05 33.8 -0.2
JIRN	Jiri	46.58 276	eP	P	05 05 34.7 +0.4
GUNB	Gumba	46.72 276	eP	P	05 05 35.5 +0.1
PKI	Pulchoki	47.24 276	eP	P	05 05 39.0 -0.5
PKI			pmax	pmax	
IM3	Indian Mountai	47.50 30	P	P	05 05 41.4 +0.9
KDAD	Kodiak Island	47.95 41	P	P	05 05 44.6 +0.5
DANN	Dangising	48.24 278	eP	P	05 05 47.4 +0.3
KOLN	Koldanda	48.61 277	eP	P	05 05 49.8 -0.1
MLY	Manley	48.70 32	eP	P	05 05 50.5 +0.6
PYUN	Piuthan	48.96 278	eP	P	05 05 52.5 0.0
NRN	Naryn	49.64 297	eP	P	05 05 57.4 -0.3
NRN	Naryn	49.64 297	eP	P	05 05 57.4 -0.3
NRN			pmax	pmax	
MDM	Murphy Dome	49.77 32	eP	P	05 05 58.3 +0.3
COEN	Coen	50.08 177	eP	P	05 06 00.3 -0.5
KSH	Kashi	50.23 294	P	P	05 06 05.5 +3.6
KSH			pP	pP	05 06 22.1 +1.7
KSH			PcP	PcP	05 07 24.5 +4.7
KSH			ScS	ScS	05 13 12.8 +4.4
KSH			pmax	pmax	05 15 46.2 +1.8
KSH			pmax	pmax	
KSH			LR	LR	
KSH			LR	LR	
KSH			LR	LR	
IL1	Eielson Array	50.35 32	eP	P	05 06 02.6 +0.3
ILAR	Eielson Array	50.35 32	eP	P	05 06 02.9 +0.6
ILB	Eielson Array	50.35 32	eP	P	05 06 02.4 +0.1
AAK	Ala-Archa	50.37 299	eP	P	05 06 03.3 +0.5
AAK			pmax	pmax	
AAK			pmax	pmax	
BRVK	Borovoye	50.72 313	eP	P	05 06 05.1 -0.2
BRVK	Borovoye	50.72 313	eP	P	05 06 05.4 +0.1
PAX	Paxson	51.09 34	eP	P	05 06 08.3 +0.3
PAX	Paxson	51.09 34	eP	P	05 06 08.3 +0.3
PAX			pmax	pmax	
DOT	Dot Lake	51.66 33	eP	P	05 06 12.0 -0.2
EGAK	Eagle	52.79 32	eP	P	05 06 20.7 +0.2
GSI	Gunungsitoli	53.01 239	eP	P	05 06 21.9 -0.8
KK31	Karatay Array	53.03 300	eP	P	05 06 22.7 0.0
KK31	Karatay Array	53.03 300	eP	P	05 06 22.7 0.0
KKAR	Karatay Array	53.03 300	eP	P	05 06 22.7 0.0
KKAR	Karatay Array	53.03 300	eP	P	05 06 22.7 0.0
INK	Inuvik	55.23 27	eP	P	05 06 39.3 +1.1
INK			pmax	pmax	
WRAB	Tennant Creek	56.30 187	eP	P	05 06 44.7 -1.6
WRAB	Tennant Creek	56.30 187	eP	P	05 06 45.4 -0.9
WRAB			pmax	pmax	
WB2	Warramunga Arr	56.31 187	eP	P	05 06 44.7 -1.7
WRA	Warramunga Arr	56.31 187	eP	P	05 06 45.5 -1.0
WRA			PcP	PcP	05 07 43.0 +0.3
CTAO	Charters Tower	56.36 174	eP	P	05 06 45.2 -1.6
CTAO	Charters Tower	56.36 174	eP	P	05 06 47.0 -0.1
WHY	Whiterson	56.44 36	eP	P	05 06 47.8 -0.1
ARU	Arti	56.54 319	eP	P	05 06 46.8 -0.9
ARU	Arti	56.54 319	eP	P	05 06 47.6 -0.1
ARU			S	S	05 14 35.0 +2.8
ARU			SS	SS	05 18 24.5 +4.3
ARU			pmax	pmax	
AS01	Alice Springs	60.04 187	eP	P	05 07 11.1 -1.2
ASAR	Alice Springs	60.04 187	eP	P	05 07 11.9 -0.5
ASAR			PcP	PcP	05 07 57.9 +0.5
RES	Resolute Bay	63.39 14	eP	P	05 07 34.7 +0.4
ARCS	ARCESS Array B	64.46 339	P	P	05 07 41.9 +0.5
YK65	Yellowknife Arr	64.66 30	eP	P	05 07 43.1 +0.4
YK65	Yellowknife Arr	64.66 30	eP	P	05 07 43.1 +0.4
STKA	Stephens Creek	67.87 179	P	P	05 08 03.2 -0.3
FINES	FINESSE Array B	69.19 332	P	P	05 08 11.3 -0.2

NCK	Nalchik	70.66 310	iP	P	05 08 19.4 -1.5
NCK			pmax	pmax	
KBZ	Blue Mountains	70.97 311	P	P	05 08 22.7 +0.1
BMO	Blue Mountains	72.77 47	eP	P	05 08 34.0 +0.4
BMO	Blue Mountains	72.77 47	eP	P	05 08 34.0 +0.4
BMO			pmax	pmax	
AKASG	Main Array Be	74.53 322	P	P	05 08 43.3 -0.3
FFC	Flin Flon	74.56 32	eP	P	05 08 43.5 -0.2
FFC	Flin Flon	74.56 32	eP	P	05 08 43.5 -0.2
FFC			pmax	pmax	
NB2	NORSAR Subarra	74.62 337	P	P	05 08 43.8 -0.3
NOA	NORSAR Array B	74.62 337	P	P	05 08 44.0 0.0
NOA			pmax	pmax	
NV01	Mina Array Be	75.81 53	P	P	05 08 51.3 -0.2
NV01	Mina Array Be	75.81 53	P	P	05 08 52.3 +0.8
PDAR	Pinedale Array	78.51 45	eP	P	05 09 07.0 +0.5
PDAR	Pinedale Array	78.51 45	eP	P	05 09 05.4 -1.2
PV01	Paradox Valley	82.05 48	eP	P	05 09 26.1 +0.5
GERES	GERESS Array B	83.03 328	P	P	05 09 29.7 -0.7
ANMO	Albuquerque	85.42 49	eP	P	05 09 42.0 -0.8
ANMO			pmax	pmax	
TX31	Lajitas Arr. Si	90.94 52	eP	P	05 10 08.7 -0.5
TXAR	Lajitas Array	90.94 52	eP	P	05 10 09.7 +0.5
TORD	Tordur Arr. Be	117.45 314	P	P	05 15 48.9 -1.8
SDV	Santo Domingo	126.18 0	eP	P	05 16 06.9 -0.8
LPAZ	La Paz	147.48 60	eP	P	05 16 49.8 +0.1
LPAZ	La Paz	147.48 60	eP	P	05 16 49.5 -0.3
MMNC	Minye Minye	148.29 65	eP	P	05 16 51.8 +0.3
PB11	IPOC Station P	148.64 66	eP	P	05 16 51.9 -0.3
GO01	Chumzima	148.92 66	eP	P	05 16 53.1 -0.2
LCO	Las Campanas	152.59 84	eP	P	05 16 53.7 -0.7
LCO	Las Campanas	152.59 84	eP	P	05 16 53.7 -0.7
LCO			PKPpdf	PKPpdf	
HLW	HLW 03 05:14:50.9, 33:47N, 34:30E, h10km, 18km, MD3.6				
ISK	ISK 03 05:14:50.1, 34:08N, 34:41E, h5km, ML3.2/9				
DDA	DDA 03 05:14:51.7, 34:33N, 34:50E, h10km, M13.3				
GII	GII 03 05:14:51.0, 0.2, 33:78N, 34:57E, h32km, MD2.7/4				
ISC	ISC 03 05:14:51.5, 0.4, 33:84N, 34:44E, h36km, ML3.4				
NIC	NIC 03 05:14:48.2, 1.4, 33:77N, 0.02, 34:57E, 0.04, h29km, 14km, n55, +142/86, Eastern Mediterranean Sea				
Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
HNTI	Hanita	0.85 143	Pg	Pb	05 15 04.5 0.0
HNTI			Sg	Sb	05 15 16.1 +0.6
MMAOB	Mount Meron ar	1.03 137	Pg	Pn	05 15 07.2 +0.4
MMAOB			Sg	Sb	05 15 20.5 +0.3
KSDI	Kefar Zelon	1.08 122	Pg	Pn	05 15 08.2 +0.8
KSDI			Sg	Sb	05 15 21.5 +0.1
NATI	Neve Ativ	1.10 117	Pg	Pn	05 15 08.3 +0.6
NATI			Sg	Sb	05 15 22.3 +0.4
BLGI	Bet Lehem HaGe	1.16 153	Pg	Pn	05 15 09.2 +0.7
BLGI			Sg	Sb	05 15 17.9 +1.4
OFRI	'Ofar	1.20 163	Pg	Pn	05 15 09.0 -0.1
OFRI			Sg	Sb	05 15 23.0 -1.4
PHNC	Paralimni	1.31 340	P	S	05 15 11.8 +1.2
PHNC	baz=163		S	Sn	05 15 27.8 +0.6
PHNC			S	Sn	05 15 14.3 +0.9
MMLI	Mount Malkishu	1.51 151	Pn	Pn	05 15 32.3 +0.2
MMLI			Pn	Pn	05 15 14.7 +0.9
AKIN	AK-nc-lar-K	1.54 324	Pn	Pn	05 15 14.8 +0.6
CSS	Mathiatis	1.57 320	Pn	Pn	05 15 33.4 -0.2
CSS			Sn	Sn	05 15 14.8 +0.6
CSS	Mathiatis	1.57 320	Pn	Pn	05 15 14.7 +0.6
CSS			Pn	Pn	05 15 15.6 +1.3
SLTI	Sal'it	1.57 165	Pn	Pn	05 15 25.5 -1.2
SLTI			Sn	Sn	05 15 16.9 +0.8
SZAC	Souni	1.71 306	P	Pn	05 15 37.3 +0.3
SZAC	baz=124		S	Sn	05 15 17.4 +1.3
HMDT	Nahal Hemdat	1.71 152	Pn	Pn	05 15 38.1 +1.0
HMDT			Sn	Sn	05 15 19.4 +1.1
LFK	Lefkose	1.73 331	Pn	Pn	05 15 37.7 0.0
LFK			Sn	Sn	05 15 18.9 +1.7
EREN	Erenkoy	1.79 350	Pn	Pn	05 15 19.0 +1.8
MAMC	Mammari	1.79 322	Pn	Pn	05 15 21.3 +2.1
MAMC	baz=142		Pn	Pn	05 15 43.6 +1.1
LEF	Lefka	1.93 315	Pn	Pn	05 15 21.9 +1.6
LEF			Sn	Sn	05 15 23.7 +1.7
AKDN	Akdeniz-K-br	2.02 320	Pn	Pn	05 15 23.7 +1.7
ALFC	Aleka	2.13 311	Pn	Pn	05 15 48.6 +1.0
ALFC	baz=130		S	Sn	05 15 23.0 +0.9
ALFC			S	Sn	05 15 25.4 +1.2
DSI	Dead Sea	2.30 162	Pn	Pn	05 15 18.1 +0.3
DSI			Sn	Sn	05 15 29.1 +1.7
YTR	Yatir	2.44 169	Pn	Pn	05 15 29.1 +1.8
AKKU	Akkuyu-Mersin	2.53 341	Pn	Pn	05 15 27.4 +0.2
AKKU			Sn	Sn	05 15 28.9 +1.4
MZDA	Masada	2.54 164	Pn	Pn	05 15 28.2 +0.7
MZDA			Sn	Sn	05 15 28.5 +2.2
GULN	MERSIN Gulnar	2.55 341	iP	Pn	05 15 29.7 +1.8
GULN			S	Sn	05 15 30.8 +1.5
IKL	Isikli	2.57 344	Pn	Pn	05 15 31.7 +1.6
IKL			Sn	Sn	05 16 02.5 +0.3
TEKE	Tekei-Mersin	2.63 334	Pn	Pn	05 15 29.7 +1.8
KIZK	Mersin	2.73 353	Pn	Pn	05 15 32.5 +1.1
KIZK			Sn	Sn	05 16 03.9 -0.2
KIZK	Mersin	2.73 353	iP	Pn	05 16 04.8 +0.3
KEBE	Keben-Mersin	2.76 346	Pn	Pn	05 15 32.5 +1.8
BERE	Bereket-Mersin	2.80 337	Pn	Pn	05 15 32.3 +1.1
BERE			Sn	Sn	05 16 03.9 -0.2
TEVE	Tevekalti-Mersin	2.82 341	Pn	Pn	05 16 04.8 +0.3
TEVE			Sn	Sn	05 15 30.1 +1.5
KZIT	Kziot	2.86 183	Pn	Pn	05 15 30.1 +1.5
GAZI	Gazipasa	3.08 324	Pn	Pn	05 15 37.1 +2.2
GAZI	Gazipasa	3.08 324	iP	Pb	05 15 40.5 -1.8
GAZI			S	Sb	05 16 14.5 +3.7
RMNI	Mount Ramon	3.17 177	Pn	Pn	05 15 38.0 +1.8
ERMK	Ermek	3.17 335	iP	Pn	05 15 38.4 +2.0
ERMK			S	Sb	05 16 11.4 -1.9
YUREG	YUREGIR	3.17 16	Pn	Pn	05 15 38.6 +2.3
YUREG			S	Sb	05 16

Table with columns: RKT, Rikitea, 33.67 341 eT, LR, 06 02 21.0, Tubuai, 37.52 319 eLR, T, 05 37 57.2, etc.

ISC/JB 03 05:28:24.4+0.6, 46:87N:0:10:153:1E:0:1, h56km, mb3, 7/15, Error ellipse: s-maj=16.4km s-min=5.6km az=146.7

SKHL 03 05:28:24.7+0.0, 46:88N:153:23E, h34km, 1km, mb4.4/3, IDC 03 05:28:39.3+2.4, 12N:152:64E, h130km, 20km, Mb3.4/16, mb1.3/6/19, mb1mx3.5/42, mbtmp3.8/19, MS2.8/1, Ms1.2/8.1, ms1mx2.4/28, Error ellipse: s-maj=18.2km s-min=12.7km az=147.0

ISC 03 05:28:25.6+0.7, 46:39N:0:10:153:02E:0:09, h56km, n34, e161/31, mb3.7/15, Kuril Islands

Main table for Kuril Islands region with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h m s, Res, ISC. Includes stations like Kuril'sk, Petropavlovsk, Yuzh-Sakhalins, etc.

ISN 03 05:40:39.0+0.5, 33:77N:45:90E, h14km, 3km, ML3.2, ISC/JB 03 05:40:40.8+0.4, 33:71N:0:04:45:84E:0:04, h19km, Error ellipse: s-maj=5.8km s-min=4.0km az=157.0

TEH 03 05:40:40.9+0.3, 33:75N:45:90E, h14km, ML3.1, ISC 03 05:40:40.9+0.3, 33:71N:0:05:45:86E:0:04, h19km, n17, e117/22, Iran-Iraq border region

Table for Iran-Iraq border region with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h m s, Res, ISC. Includes stations like Badra, Cheshme Sefid, Veis, Baghdad, Komasi, etc.

Table for HSAM region with columns: HSAM, Samen, 2.33 77 ePh, Pn, Iamb, 05 41 19.7+1.2, etc.

JMA 03 06:11:42.6+0.2, 37:20N:141:72E, h41km, 9km, M3.5, IDC 03 06:11:53.3+0.7, 37:14N:11:67E, h123km, 34km, mb2.9/3, mb1.9/2/4, mb1mx2.9/34, mbtmp3.2/4, Error ellipse: s-maj=38.9km s-min=27.8km az=96.0

ISC 03 06:11:39.1+1.9, 37:21N:0:05:141:76E:0:07, h1km, 11km, n19, e086/22, mb3.4/3, Near east coast of eastern Honshu

Main table for Honshu region with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h m s, Res, ISC. Includes stations like Kawauchi, Iwakimizuishiy, Fukushimafurud, etc.

MEX 03 06:13:59.7+0.5, 16:05N:97:93W, h16km, 999km, MD3.8, Oaxaca

ISC/JB 03 06:25:56.6+0.4, 6:86S:0:04:129:56E:0:04, h139km, mb3.6/7, Error ellipse: s-maj=6.0km s-min=4.3km az=38.9, IDC 03 06:25:58.7+1.3, 6:93S:129:54E, h143km, 12km, mb3.4/8, mb1.3/7/13, mb1mx3.5/47, mbtmp4.0/13, Error ellipse: s-maj=15.6km s-min=10.8km az=100.0

DJA 03 06:25:58.2+0.5, 7:5:5:13:0'E, h115km, 20km, M4.6/7, mb4.9/6, mb4.6/7, MLV4.97, Mw(mb)4.2/6, ISC 03 06:25:58.1+0.6, 6:35S:0:06:129:54E:0:06, h139km, n27, e1943/33, mb3.6/7, Banda Sea

Main table for Banda Sea region with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h m s, Res, ISC. Includes stations like Saui, Fak Fak, Sanana, etc.

PMG Port Moresby 17.63 99 P 06 29 56.0+1.8, CTA Charters Tower 20.89 131 P 06 30 29.6+0.2, STKA Stephens Creek 27.33 157 P 06 31 29.9+0.2, MJAR Matsushiro Arr 43.92 10 P 06 31 23.5-0.9, SONM Songoing Array 58.15 342 P 06 35 39.0+1.6, MKAR Makaranchi Array 67.85 327 P 06 36 43.1+1.8, KURBB Kurchatov Arra 72.14 329 P 06 37 08.4+0.9, VVDA Vanda 72.65 173 P 06 37 09.4+0.7, TXAR Lajitias Array 125.59 PKP 06 44 42.7-0.4, CPUP Villa Florida 146.35 169 PKPbc 06 45 22.7+0.7, LPAZ La Paz 151.12 143 PKPbc 06 45 37.0+0.4

ISC/JB 03 06:50:32.9+0.3, 13:30N:0:02:89:82W:0:03, h69km, 2km, mb4.2/101, Error ellipse: s-maj=5.3km s-min=2.7km az=141.4, SNET 03 06:50:32.0+0.0, 13:30N:89:88W, h45km, UCR 03 06:50:33.3+1.4, 13:34N:89:86W, h45km, 8km, ML4.4, mb4.4(NEIC), NEIC 03 06:50:34.9+0.6, 13:25N:89:75W, h73km, 5km, mb4.4/119, MD4.5(SNET), Error ellipse: s-maj=7.1km s-min=4.2km az=46.0, NEIC Felt [I] at San Salvador. Felt at Antigua Guatemala and Pura Parada, Guatemala, IDC 03 06:50:35.7+1.0, 13:57N:89:50W, h77km, 8km, mb3.8/20,

mb1.0/4.24, mb1mx3.9/39, mbtmp4.2/24, MS3.2/12, Ms1.3/2/12, ms1mx3.1/34, Error ellipse: s-maj=20.6km s-min=6.9km az=51.0

ISC 03 06:50:34.0+0.8, 13:41N:0:05:89:78W:0:05, h64km, 6km, n524, e1557/528, mb4.3/101, 1C-13D, El Salvador

Main table for El Salvador region with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC, h m s, Res, ISC. Includes stations like Cerro Verde, San Blas, El Retiro, San Salvador, etc.

ROSC	comp=N,20nm,18.1s,baz=274,slow=44	17.47 118 ePn	Pn	06 54 33.5 -0.3	154A	Montrose	20.07 17 P	Pn	06 55 04.3 -0.1	WVT	Waverly	22.69 4 eP	P	06 55 31.9 +1.7
451A	Vernon	17.52 12 eP	P	06 54 38.1 +3.8	Z51A	Franklin	20.26 11 P	P	06 55 06.1 +1.9	WVT	Waverly	22.69 4 P	P	06 55 31.3 +1.0
451A	Vernon	17.52 12 eP	P	06 54 36.1 +1.9	155A	Kite	20.26 18 P	P	06 55 05.7 +1.5	WMOK	Wichita Mounta	22.74 341 eP	P	06 55 29.9 -1.0
441A	DeRidder	17.54 350 P	P	06 54 37.5 +3.1	Z52A	Williamson	20.29 13 P	P	06 55 06.7 +2.1	WMOK	Wichita Mounta	22.74 341 P	P	06 55 29.6 -1.3
450A	Crestview	17.56 9 P	P	06 54 37.5 +2.8	Y45A	Yeager Farm, C	20.36 1 P	Pn	06 55 08.2 +0.3	TKL	Tuckaleechee C	22.80 13 P	P	06 55 31.9 +0.4
PRAC	Prado	17.59 122 eP	P	06 54 37.1 +2.0	Y46A	Houston	20.40 2 P	Pn	06 55 08.3 0.0	TKL	Tuckaleechee C	22.80 13 LR	LR	07 05 20.6
657A	Interlachen	17.59 23 P	Pn	06 54 38.1 +2.1	Y42A	Garnett, Star	20.42 355 P	Pn	06 55 08.6 +0.1	TKL	Tuckaleechee C	22.80 13 eP	P	06 55 32.2 +0.8
555A	McAlpin	17.78 20 eP	P	06 54 38.1 +1.0	LTX	Lajitas	20.42 323 eP	P	06 55 07.9 +1.8	V51A	Loudon	22.83 11 eP	P	06 55 33.7 +2.0
555A	McAlpin	17.78 20 P	Pn	06 54 38.7 +1.6	LTX	Lajitas	20.42 323 eP	P	06 55 07.9 +1.8	V51A	Loudon	22.83 11 P	P	06 55 32.3 +0.6
345A	Thompson Farm,	17.82 359 P	Pn	06 54 40.1 +2.6	TXAR	Lajitas Array	20.42 323 P	P	06 55 07.4 +1.0	U44B	Burton Farm, H	22.84 1 P	P	06 55 32.5 +0.7
BRAL	Brewton	17.85 8 eP	Pn	06 54 40.5 +2.5	TXAR	Lajitas Array	20.42 323 P	P	06 55 07.4 +1.0	U45A	Rockin P Farm,	22.86 2 P	P	06 55 33.1 +1.1
BRAL	Brewton	17.85 8 P	Pn	06 54 39.2 +1.2	Y43A	Makayla and Ka	20.44 357 P	Pn	06 55 08.8 0.0	U43A	Rector	22.87 359 P	P	06 55 33.8 +1.7
556A	Lake Butler	17.87 21 P	Pn	06 54 40.0 +1.8	Y44A	Charl	20.46 359 P	P	06 55 08.7 +2.3	U42A	Reviden	22.88 357 P	P	06 55 32.3 +0.1
452A	Marianna	17.87 13 P	Pn	06 54 40.3 +2.1	Y47A	UCPARC, Winfie	20.48 5 P	P	06 55 08.2 +1.6	U46A	Springville	22.90 3 P	P	06 55 33.2 +0.8
346A	Big Creek Wild	17.89 1 eP	P	06 54 38.9 +0.5	CCAR	Car Creek	20.50 355 eP	P	06 55 08.2 +1.4	U41A	Viola	22.92 356 P	P	06 55 34.3 +1.7
346A	Big Creek Wild	17.89 1 P	Pn	06 54 41.1 +2.6	Y41A	Eagleette Beard	20.54 353 P	P	06 55 09.5 +2.3	KMSC	Kings Mountain	22.95 18 P	P	06 55 35.2 +2.3
344A	Westbrook Farm	17.98 357 eP	P	06 54 40.4 +1.1	Y48A	Jasper	20.55 6 P	P	06 55 09.4 +2.1	U44A	Portageville	23.00 0 P	P	06 55 35.6 +2.2
344A	Westbrook Farm	17.98 357 P	Pn	06 54 41.5 +2.0	Z53A	Monticello	20.57 15 P	P	06 55 09.5 +1.9	U40A	Yellville	23.02 354 P	P	06 55 34.9 +1.3
348A	Jackson	18.00 5 eP	Pn	06 54 42.2 +2.4	Y49A	Blount Mountai	20.59 8 eP	Pn	06 55 10.4 -0.2	V52A	Sevierville	23.02 13 eP	P	06 55 35.3 +1.7
348A	Jackson	18.00 5 P	Pn	06 54 41.7 +2.0	Y49A	Blount Mountai	20.59 8 P	P	06 55 09.6 +1.8	V52A	Sevierville	23.02 13 P	P	06 55 35.7 +2.1
349A	Repton	18.01 7 P	Pn	06 54 42.5 +2.5	Y50A	Piedmont	20.72 10 P	P	06 55 10.5 +1.3	V53A	Saluda	23.04 15 eP	P	06 55 35.7 +1.8
RUSC	La Rusia	18.07 113 eP	Pn	06 54 40.0 -0.2	GOGA	Godfrey	20.73 15 P	P	06 55 11.3 +2.1	V53A	Saluda	23.04 15 P	P	06 55 35.2 +1.4
453A	Whigham	18.08 15 eP	Pn	06 54 44.4 +3.7	GOGA	Godfrey	20.73 15 P	P	06 55 11.4 +2.1	U47A	Clarksburg	23.04 5 P	P	06 55 34.4 +0.6
453A	Whigham	18.08 15 P	Pn	06 54 42.8 +2.1	Z54A	Sparta	20.73 17 P	P	06 55 11.1 +1.8	TUL1	Leonard	23.05 347 eP	P	06 55 32.8 -1.1
CHIC	Chingaza	18.08 117 eP	Pn	06 54 42.2 +0.9	Y51A	Rockmart	20.84 11 P	P	06 55 12.0 +1.5	TUL1	Leonard	23.05 347 P	P	06 55 33.7 -0.2
454A	Quitman	18.13 17 P	Pn	06 54 43.7 +2.4	X45A	UM Field Stati	20.92 1 P	P	06 55 13.4 +2.1	HHAR	Hobbs	23.08 351 eP	P	06 55 34.7 +0.5
351A	Pinckard	18.19 12 P	Pn	06 54 45.0 +2.9	X44A	Crenshaw	21.00 359 P	P	06 55 14.2 +2.1	PARMO	Parma	23.16 0 eP	P	06 55 36.0 +1.0
FLOC	Florenzia	18.27 129 eP	Pn	06 54 43.8 +0.7	OXF	Oxford	21.01 1 eP	P	06 55 15.0 +2.7	MNTX	Cornudas Mount	23.16 324 eP	P	06 55 35.1 0.0
352A	Blakely	18.53 13 eP	Pn	06 54 48.3 +2.1	OXF	Oxford	21.01 1 P	P	06 55 13.2 +0.9	MNTX	Cornudas Mount	23.16 324 P	P	06 55 35.4 +0.3
352A	Blakely	18.53 13 P	Pn	06 54 47.7 +1.5	Y52A	Liburn	21.02 13 eP	P	06 55 14.3 +1.9	U48A	Casler, Po	23.19 7 P	P	06 55 35.4 +0.2
245A	Little AP, Sta	18.54 360 P	Pn	06 54 47.8 +1.5	Y52A	Liburn	21.02 13 P	P	06 55 14.5 +2.1	SJG	San Juan	23.21 75 P	P	06 59 22.3 +0.4
244A	Avery, Jackson	18.56 358 P	Pn	06 54 48.7 +2.1	X43A	Marvell	21.04 357 eP	P	06 55 14.5 +1.9	SJG	San Juan	23.21 75 P	P	06 59 22.3 +0.4
353A	Camilla	18.57 15 P	Pn	06 54 48.7 +2.1	X43A	Marvell	21.04 357 P	P	06 55 14.5 +1.9	SJG	San Juan	23.21 75 P	P	06 59 22.3 +0.4
247A	Quitman	18.59 3 P	Pn	06 54 49.1 +2.3	X46A	Booneville	21.08 3 P	P	06 55 15.8 +2.8	PBMO	Poplar Bluff	23.28 359 eP	P	06 55 36.6 +0.5
249A	Camden	18.64 7 P	Pn	06 54 49.7 +2.2	X47A	Russellville	21.09 4 P	P	06 55 15.5 +2.4	U49A	Red Boiling Sp	23.28 8 P	P	06 55 36.7 +0.5
248A	Dixon Mills	18.69 5 P	Pn	06 54 50.8 +2.7	X48A	Hartselle	21.09 6 eP	P	06 55 15.5 +2.3	U50A	Jamestown	23.33 10 P	P	06 55 37.1 +0.5
435B	Jarrell	18.73 339 eP	Pn	06 54 49.8 +1.3	X48A	Hartselle	21.09 6 P	P	06 55 15.1 +1.9	ATAH	Atahualpa	23.34 150 P	P	06 55 39.2 +1.9
435B	Jarrell	18.73 339 P	Pn	06 54 50.0 +1.4	Y53A	Monroe	21.12 14 P	P	06 55 15.6 +2.1	ATAH	Atahualpa	23.34 150 P	P	06 55 39.2 +1.9
VBMS	Vicksburg	18.73 358 eP	Pn	06 54 51.4 +2.8	X41A	Kaden, Bauxite	21.14 334 P	P	06 55 16.2 +2.6	U51A	La Follette	23.45 12 P	P	06 55 38.4 +0.6
VBMS	Vicksburg	18.73 358 P	Pn	06 54 50.2 +1.6	ABTX	Abilene, Hawle	21.14 356 eP	P	06 55 14.5 +0.7	T42A	Van Buren	23.55 357 eP	P	06 55 39.6 +0.9
250A	Grady	18.76 9 P	Pn	06 54 50.0 +1.1	ABTX	Abilene, Hawle	21.14 356 P	P	06 55 14.7 +0.9	T42A	Van Buren	23.55 357 P	P	06 55 39.7 +1.1
NATX	Nacogdoches	18.80 347 eP	Pn	06 54 50.9 +1.4	X40A	Basin Creek Fa	21.17 353 eP	P	06 55 17.4 +3.4	T44A	Benton	23.58 0 P	P	06 55 40.1 +1.2
NATX	Nacogdoches	18.80 347 P	Pn	06 54 50.9 +1.4	X40A	Basin Creek Fa	21.17 353 P	P	06 55 16.9 +2.9	T43A	Greenville	23.58 359 P	P	06 55 39.8 +0.9
TIGA	Tifton	18.83 17 eP	P	06 54 49.8 +1.2	X49A	Woodville	21.24 8 P	P	06 55 17.0 +2.2	T46A	Princeton	23.59 4 P	P	06 55 40.2 +1.1
TIGA	Tifton	18.83 17 P	Pn	06 54 51.8 +2.1	X50B	Fort Payne	21.29 9 P	P	06 55 16.2 +0.9	U52A	Thorn Hill	23.60 13 P	P	06 55 40.0 +0.9
251A	Midway Retre	19.02 11 P	Pn	06 54 53.8 +1.7	MIAR	Mount Ida	21.32 351 eP	P	06 55 17.3 +1.7	T47A	Sharon Grove	23.60 5 eP	P	06 55 39.9 +0.8
252A	Lumpkin	19.07 13 P	Pn	06 54 53.5 +0.8	MIAR	Mount Ida	21.32 351 P	P	06 55 17.1 +1.5	T47A	Sharon Grove	23.60 5 P	P	06 55 39.7 +0.6
145A	Houston Renfro	19.11 360 P	Pn	06 54 55.1 +2.1	Y54A	Tignal	21.36 16 P	P	06 55 17.7 +1.7	T41A	Mountain View	23.60 356 P	P	06 55 40.6 +1.4
144A	Alexander Plac	19.14 358 P	Pn	06 54 54.8 +1.3	UALR	University of	21.40 354 eP	P	06 55 18.9 +2.5	MSTX	Muleshoe	23.63 332 eP	P	06 55 39.9 +0.4
146A	Union	19.15 2 eP	Pn	06 54 56.1 +2.5	CSU	Charleston Sou	21.41 23 eP	P	06 55 19.5 +3.0	MSTX	Muleshoe	23.63 332 P	P	06 55 39.0 -0.5
146A	Union	19.15 2 P	Pn	06 54 54.9 +1.3	NHSC	New Hope	21.48 22 eP	P	06 55 20.3 +3.1	TZTN	Tazewell	23.70 13 eP	P	06 55 40.7 +0.6
356A	Blackshear	19.17 20 P	Pn	06 54 54.9 +1.1	NHSC	New Hope	21.48 22 P	P	06 55 18.6 +1.4	TZTN	Tazewell	23.70 13 P	P	06 55 40.7 +0.6
147A	Livingston	19.23 4 P	Pn	06 54 55.4 +1.0	X51A	Calhoun	21.53 11 P	P	06 55 18.5 +0.7	U53A	Fall Branch	23.75 15 P	P	06 55 41.4 +0.8
148A	Greensboro	19.25 6 P	Pn	06 54 55.2 +0.4	PLAL	Picnic Lake	21.53 4 eP	P	06 55 21.2 +3.4	MTP	Monte Pirata	23.77 76 eP	P	06 55 38.8 -2.1
143A	Socs Landing	19.26 356 eP	Pn	06 54 55.9 +1.0	SLBS	Sierra La Lagu	21.65 301 eP	P	06 55 20.8 +1.5	T48A	Bowling Green	23.79 7 P	P	06 55 42.9 +2.0
143A	Socs Landing	19.26 356 P	Pn	06 54 55.5 +0.6	W45A	Hicory Valley	21.66 1 P	P	06 55 19.8 +0.6	T49A	Edmonton	23.90 8 eP	P	06 55 42.7 +0.9
253A	Ameritus	19.27 15 P	Pn	06 54 55.6 +0.5	W46A	Michie	21.67 3 P	P	06 55 20.8 +1.5	T49A	Edmonton	23.90 8 P	P	06 55 42.7 +0.9
149A	Jones	19.30 8 P	Pn	06 54 56.2 +0.9	X37A	Clayton	21.69 347 eP	P	06 55 20.9 +1.4	T50A	Nancy	23.92 10 P	P	06 55 43.2 +1.2
SDV	Santo Domingo	19.31 101 P	P	06 54 53.3 -1.0	X52A	Dahlonega	21.76 13 P	P	06 55 20.7 +0.4	AMTX	Amarillo	23.94 335 eP	P	06 55 43.8 +1.5
SDV	Santo Domingo	19.31 101 eP	P	06 54 53.1 -1.1	W41B	Gary Mavity, V	21.78 355 eP	P	06 55 23.2 +2.7	AMTX	Amarillo	23.94 335 P	P	06 55 43.1 -0.2
JCT	Junction City	19.34 333 eP	Pn	06 54 56.7 +0.7	W41B	Gary Mavity, V	21.78 355 P	P	06 55 21.4 +0.9	T51A	Gray	24.03 12 P	P	06 55 43.5 +0.5
JCT	Junction City	19.34 333 P	Pn	06 54 55.7 +1.4	W48A	Pulaski	21.79 6 P	P	06 55 21.1 +0.5	S43A	Fulton Ridge,	24.06 359 P	P	06 55 43.6 +0.3
254A	Abbeville	19.39 17 P	Pn	06 54 57.4 +1.0	X53A	Estollee	21.81 15 P	P	06 55 20.9 +0.1	S41A	Jilco Farms,	24.14 356 P	P	06 55 45.4 +1.4
150A	Eclectic	19.41 10 P	Pn	06 54 57.3 +0.5	HODGE	Hodges	21.82 17 eP	P	06 55 23.2 +2.2	S44A	Carbondale	24.19 1 P	P	06 55 45.6 +1.2
151A	Opelika	19.46 11 P	Pn	06 54 58.0 +0.7	W47A	Westpoint	21.84 5 P	P	06 55 22.4 +1.3	S45A	Carrier Mills	24.19 2 P	P	06 55 45.9 +1.5
LRAL	Lakeview Retre	19.70 7 eP	Pn	06 55 01.5 +1.4	W49A	Belvidere	21.85 8 P	P	06 55 22.6 +1.4	SIUC	Southern Iliin	24.21 1 eP	P	06 55 46.7 +2.1

2012 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like WOoly Knot Far, HSIG, R49A, BLA, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like LCMT, GMRC, G45A, G42A, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PPT2, DBIC, NB200, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, and other technical details. Includes stations like SJA, Cerro Valdivia, San Juan, etc.

DC 03:07:10:57.0:3.9, 35:90N:71.81E, h50km, 34km, mb3.6/6, mb1.3, 8/11, mb1mx3.4/49, mbtmp3.9/11, ML3.6/5, MS3.2/2, Ms1.3, 2/2, ms1mx2.6/33, Error ellipse: s-maj=28.6km

ISCJB 03:07:10:58.1:0.5, 35:93N:073.72E:0.07, h100km, mb3.8/5, Error ellipse: s-maj=8.3km s-min=3.8km az=158.6

NMC 03:07:11:00.1:1.1, 36:41N:71.26E, h0km, mb4.0, mpv3.8, Error ellipse: s-maj=10.5km s-min=5.9km az=146.0

ISC 03:07:11:00.1:0.6, 35:97N:075.72E:0.08, h100km, n41, c290747, mb3.7/5, 8C-9D, Pakistan

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, and other technical details. Includes stations like CEP, CHCP, THW, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like BHPL Bhopal, DMN Daman, GUN Gumba, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like SNET Serv Nac Est T, ESTN Estel, UUES San Salvador, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like 257A Skidaway Island, 153A Fort Valley, LRAL Lakeview Retre, etc.

IDC 03 07:22:23.2-7.5, 5.77S-150.62E, h125km, 50km, mb3.1/2, mb1 3.2/3, mb1mx3.0-0.27, mbtmp3.5/3, Error ellipse: s-maj=119.5km s-min=53.7km az=119.0, New Britain region

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

IDC 03 07:34:39.6-6.8, 5.81S-150.62E, h90km, 48km, mb3.4/4, mb1 3.6/5, mb1mx3.3/33, mbtmp3.8/5, MS3.1/4, Ms1 3.1/4, ms1mx2.8/2.1, Error ellipse: s-maj=71.5km s-min=31.0km az=102.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like APG El Apazote, ESPN Las Esperanzas, JTS Juntas Abangare, etc.

IDC 03 07:34:33.6-6.2, 1.58S-0.3-151.0E, 0.4, h48km, n10, r1943/8, mb3.7/4, MS3.1/3, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like GOGA Godfrey, Y46A Houston, Y47A UCPARC, Winfie, etc.

MEX 03 07:43:17.0-0.7, 13.76N-92.50W, h14km, 237km, MD3.5, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like PMG Port Moresby, HNR Honiara, GUMO Guam, WRA Warramunga Arr, DZM Mont Dzumac, ASAR Alice Springs, etc.

ISDC 03 08:06:30.2-0.2, 12.61N-0.03-87.93W, 0.02, h82km, 2km, mb4.3/146, Error ellipse: s-maj=5.1km s-min=2.4km az=36.2

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like 833A Chaparral WMA, 833A Chaparral WMA, 344A Westbrook Farm, etc.

ISDC 03 08:06:30.9-2.0, 12.58N-87.98W, h54km, 28km, MD4.4, ML4.2, mb4.3(NEIC)

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like 353A Camilla, 352A Tifton, 249A Camden, etc.

ISDC 03 08:06:31.0-0.0, 12.57N-88.06W, h32km

ISDC 03 08:06:31.2-1.1, 12.80N-87.71W, h65km, 10km, mb3.8/14, mb1 4.1/18, mb1mx3.8/42, mbtmp4.1/18, MS2.5/1, Ms1 2.5/1, ms1mx2.1/29, Error ellipse: s-maj=24.0km s-min=7.6km az=46.0

NEIC 03 08:06:32.1-0.6, 12.52N-87.90W, h83km, 5km, mb4.3/154, MD4.3(SNET), Error ellipse: s-maj=7.0km s-min=4.3km az=218.0

NEIC Felt at Chinandega, Felt II at San Salvador, El Salvador. ISDC 03 08:06:30.6-0.8, 12.58N-0.05-87.98W, 0.04, h66km, 7km, n510, r1930/527, mb4.3/146, 2C-6D, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like CSGN Cosiguina Volc, CSGN Cosiguina Volc, CNCH Conchagua, etc.

ISDC 03 08:06:30.9-2.0, 12.58N-87.98W, h54km, 28km, MD4.4, ML4.2, mb4.3(NEIC)

ISDC 03 08:06:31.0-0.0, 12.57N-88.06W, h32km

ISDC 03 08:06:31.2-1.1, 12.80N-87.71W, h65km, 10km, mb3.8/14, mb1 4.1/18, mb1mx3.8/42, mbtmp4.1/18, MS2.5/1, Ms1 2.5/1, ms1mx2.1/29, Error ellipse: s-maj=24.0km s-min=7.6km az=46.0

NEIC 03 08:06:32.1-0.6, 12.52N-87.90W, h83km, 5km, mb4.3/154, MD4.3(SNET), Error ellipse: s-maj=7.0km s-min=4.3km az=218.0

NEIC Felt at Chinandega, Felt II at San Salvador, El Salvador. ISDC 03 08:06:30.6-0.8, 12.58N-0.05-87.98W, 0.04, h66km, 7km, n510, r1930/527, mb4.3/146, 2C-6D, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like 251A Midway, VBMS Vicksburg, 253A Americus, etc.

ISDC 03 08:06:30.2-0.2, 12.61N-0.03-87.93W, 0.02, h82km, 2km, mb4.3/146, Error ellipse: s-maj=5.1km s-min=2.4km az=36.2

ISDC 03 08:06:30.9-2.0, 12.58N-87.98W, h54km, 28km, MD4.4, ML4.2, mb4.3(NEIC)

ISDC 03 08:06:31.0-0.0, 12.57N-88.06W, h32km

ISDC 03 08:06:31.2-1.1, 12.80N-87.71W, h65km, 10km, mb3.8/14, mb1 4.1/18, mb1mx3.8/42, mbtmp4.1/18, MS2.5/1, Ms1 2.5/1, ms1mx2.1/29, Error ellipse: s-maj=24.0km s-min=7.6km az=46.0

NEIC 03 08:06:32.1-0.6, 12.52N-87.90W, h83km, 5km, mb4.3/154, MD4.3(SNET), Error ellipse: s-maj=7.0km s-min=4.3km az=218.0

NEIC Felt at Chinandega, Felt II at San Salvador, El Salvador. ISDC 03 08:06:30.6-0.8, 12.58N-0.05-87.98W, 0.04, h66km, 7km, n510, r1930/527, mb4.3/146, 2C-6D, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like LTX Lajas, TXAR Lajas Array, TXAR Lajas Array, etc.

3d 8h

W41B Gary Mavity, V comp=E,6.0nm,0.8s	22.83 351 eP	P	08 11 29.3 +1.4
W41B Gary Mavity, V baz=169	22.83 351 P	P	08 11 28.0 0.0
PAULI Pauline comp=E,12nm,0.9s	22.84 13 eP	P	08 11 29.4 +1.3
W53A Cullowhee baz=192	22.91 10 P	P	08 11 28.7 -0.3
STVI Saint Thomas comp=E,6nm,1.0s	22.91 73 eP	P	08 11 28.9 -0.1
X37A Clayton comp=E,6.3nm,0.9s	22.92 344 eP	P	08 11 31.2 +2.3
WHAR Woolly Hollow comp=E,4.6nm,0.7s	22.95 351 eP	P	08 11 29.8 +0.6
CPCT Cooper Cave comp=E,5.6nm,0.7s	22.99 7 eP	P	08 11 30.6 +1.1
PCRV Puerto La Cruz comp=E,4.5nm,0.7s,baz=21.1,slow=5.9,SNR=4.5	23.01 94 P	P	08 11 30.4 +0.3
V45A Humboldt baz=177	23.08 358 P	P	08 11 29.8 -0.6
V48A Smith Brothers baz=183	23.09 2 P	P	08 11 30.4 -0.1
V46A Holladay baz=180	23.12 360 P	P	08 11 29.9 -1.0
W39A Magazine comp=E,5.8nm,0.8s	23.12 348 eP	P	08 11 32.5 +1.6
W39A Magazine baz=165	23.12 348 P	P	08 11 29.5 -1.5
V50A Pikeville baz=187	23.14 6 P	P	08 11 29.9 -1.2
V47A Nunnelly baz=181	23.15 1 P	P	08 11 30.0 -1.1
V49A McMinnville baz=185	23.16 4 P	P	08 11 30.4 -0.9
V44A Blytheville baz=175	23.21 356 P	P	08 11 31.0 -0.7
KM5C Kings Mountain comp=E,9.6nm,0.5s	23.26 14 eP	P	08 11 32.2 0.0
KM5C Kings Mountain baz=196,SNR=6.1	23.26 14 P	P	08 11 31.7 -0.5
TKL Tuckaleechee C comp=E,12nm,0.9s,baz=73,slow=4.6,SNR=14	23.29 9 eP	P	08 11 32.7 +0.1
TKL Tuckaleechee C comp=E,13nm,0.8s	23.29 9 eP	P	08 11 32.6 +0.1
V42A Cord baz=171	23.33 353 P	P	08 11 31.9 -0.9
V51A Loudon baz=189	23.36 7 P	P	08 11 32.6 -0.5
V41A Mountainview baz=170,SNR=5.7	23.41 351 P	P	08 11 33.2 -0.5
WVT Waverly comp=E,4.1nm,1.1s	23.45 0 eP	P	08 11 33.6 -0.3
WVT Waverly baz=180	23.45 0 P	P	08 11 33.4 -0.6
V53A Saluda comp=E,8.2nm,0.8s	23.46 11 eP	P	08 11 34.5 +0.3
V53A Saluda baz=192	23.46 11 P	P	08 11 33.5 -0.6
V52A Sevierville comp=E,7.4nm,1.1s	23.50 9 eP	P	08 11 34.8 +0.4
V52A Sevierville baz=190	23.50 9 P	P	08 11 34.2 -0.3
U46A Springville baz=179,SNR=12	23.68 360 P	P	08 11 35.8 -0.3
U47A Clarksville baz=182,SNR=5.9	23.77 1 P	P	08 11 36.3 -0.5
U43A Rector baz=171	23.79 355 P	P	08 11 36.7 -0.3
U42A Revenden baz=172	23.85 353 P	P	08 11 36.7 -0.9
U48A Cassie Pea, Po baz=183	23.87 3 P	P	08 11 37.0 -0.8
U50A Jamestown baz=187	23.90 6 P	P	08 11 36.8 -1.3
U49A Red Boiling Sp baz=185	23.91 4 P	P	08 11 37.2 -0.9
U41A Viola baz=170	23.93 352 P	P	08 11 37.8 -0.5
U51A La Follette baz=189	23.97 8 P	P	08 11 38.1 -0.5
PARMO Parma comp=E,24nm,0.6s	24.04 357 eP	P	08 11 39.9 +0.6
U52A Thorn Hill baz=191	24.07 9 P	P	08 11 39.0 -0.6
U40A Yellville baz=188,SNR=8.8	24.08 350 P	P	08 11 39.4 -0.3
WMOK Wichita Mounta comp=E,5.1nm,0.7s	24.14 338 eP	P	08 11 40.9 +0.6
WMOK Wichita Mounta baz=153,SNR=5.9	24.14 338 P	P	08 11 39.8 -0.5
U53A Fall Branch baz=193,SNR=6.3	24.18 11 P	P	08 11 40.0 -0.6
TZTN Tazewell comp=E,6.7nm,1.0s	24.20 9 eP	P	08 11 41.4 +0.7
TZTN Tazewell baz=190	24.20 9 P	P	08 11 40.2 -0.5
PBMO Poplar Bluff comp=E,19nm,0.9s	24.20 355 eP	P	08 11 40.8 +0.1
HHAR Hobbs comp=E,7.7nm,0.6s	24.20 348 eP	P	08 11 41.5 +0.7
TUL1 Leonard comp=E,13nm,0.6s	24.28 344 eP	P	08 11 41.7 +0.3
TUL1 Leonard baz=161,SNR=8.1	24.28 344 P	P	08 11 41.2 -0.2
T47A Sharon Grove comp=E,15nm,0.6s	24.32 2 eP	P	08 11 41.2 -0.6
T47A Sharon Grove baz=182,SNR=9.3	24.32 2 P	P	08 11 41.4 -0.4
CNNC Cliffs of the baz=204	24.34 20 P	P	08 11 41.2 -0.8
T46A Princeton baz=180	24.36 0 P	P	08 11 41.8 -0.4
T44A Benton baz=176	24.45 357 P	P	08 11 43.0 0.0
T43A Greenville baz=174,SNR=7.3	24.49 356 P	P	08 11 43.1 -0.3
T50A Nancy baz=187	24.50 6 P	P	08 11 43.0 -0.4
T42A Van Buren comp=E,7.4nm,0.6s	24.51 354 eP	P	08 11 43.4 -0.2
T42A Van Buren baz=172,SNR=7.0	24.51 354 P	P	08 11 43.2 -0.3
T49A Edmonton baz=186	24.52 5 eP	P	08 11 44.1 +0.5
T49A Edmonton baz=186	24.52 5 P	P	08 11 43.5 -0.1
T51A Gray baz=189	24.55 8 P	P	08 11 43.1 -0.8
T41A Mountain View baz=171,SNR=7.3	24.60 353 P	P	08 11 43.6 -0.8
T52A Hallie baz=191	24.83 10 P	P	08 11 46.3 -0.3
MNTX Cornudas Mount comp=E,5.0nm,0.9s	24.87 323 eP	P	08 11 48.1 +1.2
MNTX Cornudas Mount baz=136,SNR=8.1	24.87 323 P	P	08 11 46.1 -0.9
S47A Hartford baz=182	24.93 2 P	P	08 11 46.3 -1.0
S43A Fulton Ridge, baz=175	24.96 356 P	P	08 11 46.7 -0.9
S45A Carrier Mills baz=178	25.00 359 P	P	08 11 47.4 -0.6
S48A Wiedeman Farm, baz=184	25.03 4 P	P	08 11 47.6 -0.7
S44A Carbondale baz=177	25.04 358 P	P	08 11 47.7 -0.6
S41A Jilco Farms, comp=E,171,SNR=5.4	25.13 353 P	P	08 11 49.1 -0.1
MSTX Muleshoe comp=E,13nm,0.8s	25.20 330 eP	P	08 11 50.7 +0.7
MSTX Muleshoe baz=144,SNR=18	25.20 330 P	P	08 11 49.1 -0.9
S42A Caledonia baz=173	25.21 355 P	P	08 11 49.5 -0.4
S49A Springfield baz=186	25.22 5 P	P	08 11 49.3 -0.7
S51A Beattyville comp=E,3.8nm,0.4s	25.26 8 eP	P	08 11 50.8 +0.4
S51A Beattyville baz=190	25.26 8 P	P	08 11 49.6 -0.8
S52A Salyersville baz=191	25.38 9 P	P	08 11 50.9 -0.6
AMTX Amarillo comp=E,7.8nm,0.8s	25.45 333 eP	P	08 11 53.0 +0.8
AMTX Amarillo baz=148	25.45 333 P	P	08 11 52.2 0.0
CCM Cathedral Cave comp=E,6.7nm,0.6s	25.54 354 eP	P	08 11 52.5 -0.4
CCM Cathedral Cave baz=189	25.54 354 P	P	08 11 52.3 -0.6

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R44A Waltonville baz=172	25.58 358 P	P	08 11 52.6 -0.7
WCI Wyandotte Cave baz=177	25.59 3 eP	P	08 11 53.8 +0.4
WCI Wyandotte Cave baz=184	25.59 3 P	P	08 11 52.4 -0.9
R45A Skylar, Fairri baz=184	25.61 359 P	P	08 11 53.0 -0.5
R47A Wooly Knot Far baz=183	25.64 3 P	P	08 11 53.1 -0.8
R43A Red Bud baz=175	25.65 356 P	P	08 11 53.3 -0.6
R42A Lanestering baz=174	25.72 355 P	P	08 11 53.3 -1.2
R49A Shelbyville baz=186	25.73 5 P	P	08 11 54.2 -0.4
R48A Northridge Ran baz=184	25.79 4 P	P	08 11 54.7 -0.4
R41A Rosebud baz=172,SNR=5.9	25.79 354 P	P	08 11 54.8 -0.4
R51A Hillsboro baz=190	25.91 8 P	P	08 11 55.4 -0.9
Q45A Warren Harvey, baz=179	26.21 360 P	P	08 11 58.0 -0.5
Q44A Meyer Farm, Va comp=E,2nm,0.6s	26.23 358 eP	P	08 11 59.0 -0.2
Q44A Meyer Farm, Va baz=178	26.23 358 P	P	08 11 58.3 -0.9
Q47A Bedord North L baz=183	26.29 3 P	P	08 11 59.0 -0.7
Q51A Peebles comp=E,8.4nm,0.7s	26.66 8 eP	P	08 12 03.8 +0.7
Q51A Peebles baz=190,SNR=6.4	26.66 8 P	P	08 12 02.1 -0.9
Q52A Bidwell baz=192	26.76 10 P	P	08 12 03.0 -1.0
P47A Martinsville baz=184	26.84 3 P	P	08 12 04.0 -0.7
P48A Milroy baz=185	26.87 4 P	P	08 12 04.5 -0.4
121A Cookes Peak, D baz=133	26.91 321 P	P	08 12 04.8 -0.7
P42A Winchester comp=E,4.3nm,0.6s	26.98 356 eP	P	08 12 05.6 -0.3
P42A Winchester baz=175	26.98 356 P	P	08 12 04.7 -1.2
CBN Corbin Frederi baz=203	27.22 18 P	P	08 12 07.3 -0.7
P53A Whipple comp=E,8.9nm,0.6s	27.43 11 eP	P	08 12 10.8 +0.9
P53A Whipple baz=194	27.43 11 P	P	08 12 09.3 -0.6
O44A Mansfield baz=179	27.47 359 P	P	08 12 09.3 -1.0
Y22D IRIS PASSCAL I comp=E,8.2nm,0.6s	27.48 324 eP	P	08 12 11.6 +1.0
O41A Passleys Farm, baz=187	27.55 355 P	P	08 12 10.0 -1.0
LENM Lemitar baz=184	27.57 324 eP	P	08 12 14.0 +2.4
O47A Sheridan baz=184	27.60 3 P	P	08 12 10.1 -1.3
O48A Farmland baz=188	27.68 5 P	P	08 12 10.9 -1.2
O49A Covington baz=188	27.69 6 P	P	08 12 10.9 -1.3
O50A Cable baz=189,SNR=6.1	27.73 7 P	P	08 12 12.0 -0.6
ANMO Albuquerque comp=E,0.5nm,0.5s,baz=150,slow=11,SNR=3.6	27.86 326 P	P	08 12 16.1 +2.0
ANMO Albuquerque baz=159	27.86 326 P	P	08 12 13.3 -0.8
O51A Pataskala baz=191	27.87 9 P	P	08 12 13.0 -0.8
HDIL Hopedale comp=E,6.0nm,0.6s	27.89 358 eP	P	08 12 14.3 +0.3
ACSO Alum Creek Sta comp=E,5.8nm,0.7s	27.90 8 eP	P	08 12 14.5 +0.4
ACSO Alum Creek Sta baz=190	27.90 8 P	P	08 12 13.1 -0.9
O52A Adamsville comp=E,7.2nm,0.7s	27.96 10 eP	P	08 12 12.4 -2.3
O52A Adamsville baz=193	27.96 10 P	P	08 12 12.9 -1.8
N41A Harden Midland comp=E,7.6nm,0.8s	28.14 355 eP	P	08 12 15.6 -0.6
N41A Harden Midland baz=174	28.14 355 P	P	08 12 14.7 -1.5
CBKS Cedar Bluff comp=E,6.0nm,0.6s	28.14 340 eP	P	08 12 14.6 -1.7
N45A Kentland baz=181	28.16 1 P	P	08 12 14.6 -1.8
N42A Yates City baz=176	28.20 357 P	P	08 12 15.3 -1.5
N46A Monticello baz=182	28.23 2 P	P	08 12 15.8 -1.3
N47A Urbana baz=184	28.27 4 P	P	08 12 16.1 -1.3
N48A Decatur baz=196	28.29 5 P	P	08 12 16.6 -1.0
N40A Mertquake, Sal baz=172	28.37 354 P	P	08 12 17.4 -0.9
N50A Nevada baz=190	28.40 8 P	P	08 12 17.5 -1.1
N49A Columbus Grove comp=E,6.5nm,0.8s	28.43 6 eP	P	08 12 18.5 -0.3
N49A Columbus Grove baz=189,SNR=6.4	28.43 6 P	P	08 12 17.5 -1.3
N39A Derby Farms, D baz=171	28.47 353 P	P	08 12 18.6 -0.6
N51A Ashland comp=E,6.2nm,0.8s	28.66 9 eP	P	08 12 20.9 +0.1
TUC Tucson comp=E,2.5nm,1.0s	28.69 317 eP	P	08 12 28.0 +6.6
TUC Tucson baz=128	28.69 317 P	P	08 12 20.3 -1.1
M41A Milan baz=175	28.77 356 P	P	08 12 20.7 -1.2
M50A Fremont comp=E,5.8nm,0.5s	29.04 8 eP	P	08 12 24.4 +0.2
M50A Fremont baz=190	29.04 8 P	P	08 12 22.4 -1.8
N54A Moraine State comp=E,5.8nm,0.8s	29.13 12 eP	P	08 12 25.4 +0.3
N54A Moraine State baz=196	29.13 12 P	P	08 12 23.0 -2.1
SSPA Standing Stone comp=E,5.5nm,0.8s	29.32 16 eP	P	08 12 26.8 0.0
SSPA Standing Stone baz=200	29.32 16 P	P	08 12 25.2 -1.6
L47A Sherwood baz=185	29.39 4 P	P	08 12 25.4 -1.9
L48A N Adams baz=187	29.42 5 P	P	08 12 26.0 -1.6
L41A Preston baz=175	29.47 356 P	P	08 12 26.8 -1.2
L43A Garden Prairie baz=178	29.50 359 P	P	08 12 26.9 -1.5
L40A Anamosa baz=173	29.51 355 eP	P	08 12 27.1 -1.2
L40A Anamosa baz=173	29.51 355 P	P	08 12 27.2 -1.2
SDCO Great Sand Dun baz=143	29.55 331 P	P	08 12 28.7 -0.5
L49A Milan baz=188	29.65 6 P	P	08 12 27.5 -2.1
M54A Oil Creek Stat comp=E,12nm,0.9s	29.72 13 eP	P	08 12 29.4 -0.9
M54A Oil Creek Stat baz=196	29.72 13 P	P	08 12 28.0 -2.3
K47A Vermontville baz=186	30.09 4 P	P	08 12 31.7 -1.9
S22A 4UR Ranch, Cre comp=E,2.6nm,0.6s	30.19 329 eP	P	08 12 35.8 +0.9
S22A 4UR Ranch, Cre baz=141	30.19 329 P	P	08 12 32.2 -2.7
N59A State Game Lan comp=E,6.3nm,0.6s	30.20 19 eP	P	08 12 35.6 +1.1
N59A State Game Lan baz=204	30.20 19 P	P	08 12 32.9 -1.6
K39A Oelwein baz=172	30.29 354 P	P	08 12 33.1 -1.5
JFWS Jewell Farm comp=E,4.0nm,0.6s	30.31 357 eP	P	08 12 36.1 +0.8
K48A Perry baz=187	30.30 6 P	P	08 12 33.7 -1.6
K49A Clarkson baz=189	30.35 7 P	P	08 12 33.2 -2.6

BRNJ Basking Ridge comp=E,1.3nm,0.7s	30.38 20 eP	P	08 12 37.1 +1.1
X16A Lo Mia Camp, P comp=E,1.3nm,0.7s	30.44 319 eP	P	08 12 39.4 +2.4
J42A Columbus baz=171	30.64 358 P	P	08 12 36.3 -2.1
J47A Sumner baz=186	30.67 5 P	P	08 12 36.4 -2.2
J43A Natural Harves baz=179	30.70 359 P	P	08 12 37.3 -1.5

3d 9h

TX31	Lajitas Ar. Si	87.94	28	eP	P	09 40 27.2 +1.1
TX31						09 40 29.0 +2.9
833A	Chaparral WMA, comp=Z,44nm,1.1s	88.24	32	eP	P	09 40 30.4 +3.0
833A	Chaparral WMA, baz=200	88.24	32	P	P	09 40 30.7 +3.3
214A	Organ Pipe Nat baz=193	88.27	20	P	P	09 40 31.0 +3.5
BAR	Barrett	88.27	16	PFAKE	LR	09 40 40.0 +1.2
BAR	comp=Z,2um,20.0s					
CPE	Camp Elliot	88.41	16	PFAKE	LR	09 40 40.0 +1.2
CPE	comp=Z,2um,20.0s					
319A	Douglas	88.47	23	eP	P	09 40 31.4 +2.8
319A	comp=Z,8.3nm,0.8s					
FAKI	Fak Fak	88.49	267	PFAKE	LR	09 40 40.0 +1.1
FAKI	comp=Z,1um,18.0s					
113A	Mohawk Valley, baz=192	88.88	19	eP	P	09 40 33.3 +3.0
GLA	Glamis	88.95	18	eP	P	09 40 34.0 +3.2
GLA	comp=Z,32nm,1.5s					
GLA	comp=Z,1um,19.0s					
GLA	Glamis	88.95	18	P	P	09 40 34.8 +4.0
TUC	Tucson	89.03	21	eP	P	09 40 33.8 +2.6
TUC	comp=Z,16nm,1.4s					
TUC	comp=Z,1um,18.0s					
TUC	Tucson	89.03	21	P	P	09 40 34.6 +3.5
MURC	Murrieta	89.09	16	P	P	09 40 36.8 +5.5
PFO	Pinoy Flats O	89.22	16	eP	P	09 40 34.6 +2.5
PFO	comp=Z,23nm,1.5s					
BC3	Big Chockawall	89.43	17	P	P	09 40 36.9 +3.9
PASC	Pasadena Art C	89.49	15	PFAKE	LR	09 40 50.0 +1.7
PASC	comp=Z,2um,21.0s					
EPT	El Paso	89.50	25	PFAKE	LR	09 40 50.0 +1.7
EPT	comp=Z,1um,20.0s					
MWC	Mount Wilson	89.56	15	PFAKE	LR	09 40 50.0 +1.6
MWC	comp=Z,2um,19.0s					
MMRI	Maumere	89.67	256	PFAKE	LR	09 40 50.0 +1.5
MMRI	comp=Z,1um,19.0s					
Y12C	Blythe	89.69	18	eP	P	09 40 36.4 +2.3
Y12C	comp=Z,8.8nm,1.0s					
Y12C	comp=Z,1um,20.0s					
Y12C	Blythe	89.69	18	P	P	09 40 39.3 +5.2
MNTX	Cornudas Mount	89.72	26	eP	P	09 40 36.0 +1.7
MNTX	comp=Z,7.1nm,1.0s					
MNTX	comp=Z,1um,18.0s					
MNTX	Cornudas Mount	89.72	26	P	P	09 40 37.0 +2.6
OSI	Osito Audit: C	89.85	14	PFAKE	LR	09 40 50.0 +1.5
OSI	comp=Z,2um,19.0s					
IRM	Iron Mountain	89.97	17	P	P	09 40 39.2 +3.7
JCT	Junction City	90.13	31	eP	P	09 40 38.8 +2.5
JCT	comp=Z,73nm,1.6s					
JCT	Junction City	90.13	31	P	P	09 40 39.4 +3.1
Y14A	Wickenburg	90.16	19	eP	P	09 40 39.5 +3.2
Y14A	comp=Z,6.8nm,0.8s					
Y14A	comp=Z,2um,18.0s					
PDMCI	Parker Dam,Lak	90.30	18	P	P	09 40 40.7 +3.8
PAGB	Antelope Grade	90.73	13	PFAKE	LR	09 40 50.0 +1.1
PAGB	comp=Z,2um,20.0s					
GSC	Goldstone, Bar	90.81	16	PFAKE	LR	09 40 50.0 +1.1
GSC	comp=Z,2um,20.0s					
LDFC	Landfair	90.88	17	PFAKE	LR	09 40 50.0 +1.0
LDFC	comp=Z,2um,20.0s					
ISA	Isabella, Lake	90.91	14	PFAKE	LR	09 40 50.0 +1.0
ISA	comp=Z,2um,18.0s					
X16A	Lo Mia Camp, P	90.93	20	eP	P	09 40 42.5 +2.4
X16A	comp=Z,8.0nm,0.9s					
X16A	comp=Z,1um,20.0s					
YES	Vestal, Richgr	91.00	14	P	P	09 40 46.1 +6.0
GRGR	Grenville	91.00	71	PFAKE	LR	09 40 50.0 +9.3
GRGR	comp=Z,2um,19.0s					
TUQ	Turquoise Moun	91.09	17	P	P	09 40 44.5 +3.7
W13A	Hualapai Mount	91.12	18	eP	P	09 40 44.0 +3.0
W13A	comp=Z,5.6nm,0.8s					
PMPB	Monarch Peak	91.14	12	PFAKE	LR	09 40 50.0 +9.1
PMPB	comp=Z,2um,19.0s					
X18A	Snowflake	91.35	22	eP	P	09 40 43.9 +1.8
X18A	comp=Z,31nm,1.9s					
X18A	comp=Z,1um,19.0s					
RCBR	Riachuelo	91.36	102	PFAKE	LR	09 40 50.0 +7.4
RCBR	comp=Z,22um,20.0s					
MPMC	Manual Prospec	91.45	15	P	P	09 40 48.3 +5.8
SAO	San Andreas Ge	91.60	12	PFAKE	LR	09 41 00.0 +1.7
SAO	comp=Z,2um,19.0s					
DAC	Darwin (Calif)	91.65	15	PFAKE	LR	09 41 00.0 +1.7
DAC	comp=Z,2um,21.0s					
LAZ	Ladron	91.86	24	eP	P	09 40 47.4 +2.9
W18A	Petrified Fore	91.96	22	PFAKE	LR	09 41 00.0 +1.5
W18A	comp=Z,700nm,20.0s					
WUAZ	Wupatki	92.01	20	eP	P	09 40 49.1 +4.0
WUAZ	comp=Z,9.3nm,0.9s					
WUAZ	comp=Z,1um,20.0s					
ABTX	Ablene, Hawle	92.18	30	PFAKE	LR	09 41 00.0 +1.4
ABTX	comp=Z,600nm,19.0s					
SHPR	Sheep Range	92.26	17	PFAKE	LR	09 41 00.0 +1.4
SHPR	comp=Z,2um,19.0s					
TPNV	Topopah Spring	92.52	16	PFAKE	LR	09 41 00.0 +1.3
TPNV	comp=Z,2um,18.0s					
ANMO	Albuquerque	92.55	24	eP	P	09 40 48.8 +1.1
ANMO	comp=Z,4.1nm,0.9s					
ANMO	comp=Z,1um,18.0s					
ANMO	Albuquerque	92.55	24	P	P	09 40 50.2 +2.6
MSTX	Muleshoe	92.56	27	PFAKE	LR	09 41 00.0 +1.2
MSTX	comp=Z,1um,18.0s					
U15A	North Rim	92.71	19	eP	P	09 40 50.5 +2.0
U15A	comp=Z,9.3nm,0.9s					
U15A	comp=Z,1um,20.0s					
MCCM	Marconi Confer	92.80	11	PFAKE	LR	09 41 00.0 +1.2
MCCM	comp=Z,2um,21.0s					
CMB	Columbia Colle	92.98	13	PFAKE	LR	09 41 00.0 +1.1
CMB	comp=Z,1um,20.0s					
BBGH	Gun Hill	93.00	72	PFAKE	LR	09 41 00.0 +1.0
BBGH	comp=Z,2um,22.0s					
LGMT	Little Creek M	93.09	18	PFAKE	LR	09 41 00.0 +1.0

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LCMT	comp=Z,900nm,19.0s					
KNB	Kanab	93.18	19	PFAKE	LR	09 41 00.0 +1.0
KNB	comp=Z,800nm,19.0s					
FDL	Fort de France	93.41	70	PFAKE	LR	09 41 00.0 +8.1
FDL	comp=Z,2um,18.0s					
GDXM	Geysers	93.47	11	PFAKE	LR	09 41 10.0 +1.8
GDXM	comp=Z,2um,19.0s					
WAKR	Walker	93.57	13	PFAKE	LR	09 41 10.0 +1.8
WAKR	comp=Z,3um,18.0s					
CCUT	Cedar City	93.60	18	PFAKE	LR	09 41 10.0 +1.8
CCUT	comp=Z,1um,20.0s					
NV01	Mina Array Sit	93.65	14	eP	P	09 40 54.3 +1.6
NV01	comp=Z,1um,20.0s					
NV01	Mina Array Bea	93.65	14	P	P	09 40 54.3 +1.6
NV01	comp=Z,0.6nm,0.8s, baz=178,slow=7.2,SNR=2.4					
NV11	Mina Array Sit	93.68	14	PFAKE	LR	09 41 10.0 +1.7
NV11	comp=Z,100nm,20.0s					
AFDM	Forest Hills D	93.81	12	PFAKE	LR	09 41 10.0 +1.7
AFDM	comp=Z,1um,19.0s					
RYN	Ryan	93.82	14	PFAKE	LR	09 41 10.0 +1.7
RYN	comp=Z,2um,18.0s					
R11A	Troy Canyon, C	93.99	16	PFAKE	LR	09 41 10.0 +1.6
R11A	comp=Z,1um,20.0s					
RUBR	Rubicon Trail	94.02	13	PFAKE	LR	09 41 10.0 +1.6
RUBR	comp=Z,2um,20.0s					
KAPI	Kappang	94.03	256	PFAKE	LR	09 41 10.0 +1.5
KAPI	comp=Z,900nm,20.0s					
YERR	Yerington	94.07	13	PFAKE	LR	09 41 10.0 +1.5
YERR	comp=Z,2um,21.0s					
CUPR	Culebra, Puert	94.13	64	PFAKE	LR	09 41 10.0 +1.5
CUPR	comp=Z,600nm,18.0s					
MVCO	Mesa Verde	94.24	22	PFAKE	LR	09 41 10.0 +1.5
MVCO	comp=Z,900nm,20.0s					
MTPU	Mount Pierson	94.29	19	PFAKE	LR	09 41 10.0 +1.4
MTPU	comp=Z,1um,19.0s					
KVN	Kaiserville	94.29	14	PFAKE	LR	09 41 10.0 +1.4
KVN	comp=Z,2um,18.0s					
ORV	Oroville	94.35	11	PFAKE	LR	09 41 10.0 +1.4
ORV	comp=Z,1um,21.0s					
PSUT	Pine Spring	94.47	17	PFAKE	LR	09 41 10.0 +1.4
PSUT	comp=Z,1um,20.0s					
SABA	Saba	94.65	66	PFAKE	LR	09 41 10.0 +1.3
SABA	comp=Z,900nm,19.0s					
SEUS	St. Eustatius	94.68	67	PFAKE	LR	09 41 10.0 +1.2
SEUS	comp=Z,800nm,22.0s					
BEKR	Beckworth	94.79	12	PFAKE	LR	09 41 10.0 +1.2
BEKR	comp=Z,1um,18.0s					
TCRU	Three Creeks R	94.79	19	PFAKE	LR	09 41 10.0 +1.2
TCRU	comp=Z,1um,21.0s					
SMRT	St. Maarten	95.09	66	PFAKE	LR	09 41 10.0 +1.1
SMRT	comp=Z,800nm,18.0s					
S22A	4UR Ranch, Cre	95.13	23	PFAKE	LR	09 41 10.0 +1.0
S22A	comp=Z,1um,18.0s					
S22A	4UR Ranch, Cre	95.13	23	P	P	09 41 02.5 +2.9
T25A	Trinidad	95.13	25	PFAKE	LR	09 41 10.0 +1.1
T25A	comp=Z,600nm,20.0s					
WDC	Whiskeytown Da	95.25	10	PFAKE	LR	09 41 10.0 +1.0
WDC	comp=Z,2um,19.0s					
KHMM	Horse Mountain	95.42	10	PFAKE	LR	09 41 10.0 +9.4
KHMM	comp=Z,2um,20.0s					
PV21	Cone Mtn., Par	95.44	21	PFAKE	LR	09 41 10.0 +9.1
PV21	comp=Z,2um,22.0s					
SDCO	Great Sand Dun	95.44	24	PFAKE	LR	09 41 10.0 +9.0
SDCO	comp=Z,2um,18.0s					
LUWI	Luwuk	95.53	261	PFAKE	LR	09 41 10.0 +8.3
LUWI	comp=Z,800nm,18.0s					
TMUT	Trail Mountain	95.69	19	PFAKE	LR	09 41 20.0 +1.8
TMUT	comp=Z,800nm,20.0s					
CCAR	Cane Creek	95.89	36	PFAKE	LR	09 41 20.0 +

TRQA	Thorquist	11.71 145	ePn	Pn	09 34 35.6	-2.5
TRQA	Thorquist	11.71 145	eP	Pn	09 34 35.6	-2.5
CPUP	Villa Florida	11.86 82	P	Pn	09 34 37.2	-2.9
comp=Z,1.3nm,0.3s,baz=273,slow=12,SNR=16						
CPUP				LR	09 39 56.6	
comp=Z,7.11nm,18.8s,baz=255,slow=41						
PLCA	Paso Flores	12.03 180	P	Pn	09 34 38.8	-3.6
comp=Z,0.4nm,0.3s,baz=14,SNR=13						
PLCA				LR	09 39 43.9	
comp=Z,498nm,19.7s,baz=32,slow=39						
PLCA	Paso Flores	12.03 180	ePn	Pn	09 34 41.5	-0.9
LPA	La Plata	12.30 123ceP	P	Pn	09 34 44.0	-2.1
LPA			sP	Pn	09 35 04.0	+9.4
LPA			S	Pn	09 35 56.0	-5.3
LPZ	La Paz	12.51 10	P	Pn	09 34 47.4	-2.2
comp=Z,2.0nm,0.3s,baz=220,slow=7.8,SNR=45						
LPZ			LR	LR	09 40 10.3	
comp=Z,481nm,21.3s,baz=226,slow=40						
LPZ	La Paz	12.51 10	ePn	Pn	09 34 47.2	-2.4
LPZ			P	Pn	09 35 15.6	-1.0
G007	Milladeo Hill,	14.64 189	ePn	Pn	09 35 20.6	-4.6
SIV	San Ignacio	15.30 36	P	Pn		
comp=Z,2.1nm,0.3s,baz=249,slow=9.0,SNR=29						
NNA	Nana	17.66 339	eP	Pn	09 35 55.6	+1.2
comp=Z,1.5nm,0.3s,baz=199,slow=7.6,SNR=14						
NNA			LR	LR	09 41 29.3	
comp=Z,359nm,20.5s,baz=120,slow=33						
NNA	Nana	17.66 339	eP	Pn	09 35 55.6	+1.2
CHRN	Cochrane	18.62 185	eP	P	09 35 59.9	+1.8
comp=Z,27nm,1.1s						
SPB	Sao Paulo	21.24 82	eP	P	09 36 29.8	-3.2
G009	Cerro Castillo	22.61 183	eP	P	09 36 47.7	+0.6
comp=Z,26nm,0.9s						
ATAH	Atahualpa	22.71 339	P	P	09 36 50.2	+1.2
comp=Z,13nm,0.9s,baz=162,slow=8.2,SNR=12						
BDFB	Brasilia	24.42 63	P	P	09 37 03.5	-1.0
comp=Z,2.5nm,0.5s,baz=236,slow=9.7,SNR=19						
BDFB	Brasilia	24.42 63	eP	P	09 37 03.5	-1.0
BDFB			eP	P	09 37 03.9	-0.7
BDFB			eP	P	09 37 05.6	+1.2
GO10	Punta Arenas	24.46 181	eP	P		
comp=Z,108nm,1.0s						
USHA	Ushuaia	26.17 177	P	P	09 37 20.3	+0.4
comp=Z,24nm,0.8s,baz=11,slow=7.5,SNR=8.6						
PTGA	Pitinga	29.54 22	P	P	09 37 50.0	-0.3
comp=Z,1.5nm,0.3s,baz=205,slow=11,SNR=6.0						
PTGA			LR	LR	09 51 18.1	
comp=Z,282nm,19.4s,baz=174,slow=40						
PTGA	Pitinga	29.54 22	eP	P	09 37 49.6	-0.6
comp=Z,4.1nm,0.7s						
OTAV	Otavalo	29.76 344	eP	P	09 37 53.6	+0.8
comp=Z,9.9nm,0.8s						
OTAV	Otavalo	29.76 344	eP	P	09 37 53.6	+0.8
OTAV			pmax	pmax		
comp=Z,10.0nm,0.8s						
FLOC	Florencia	30.50 350	eP	P	09 37 59.1	+0.3
CRUC	La Cruz	30.72 347	eP	P	09 38 03.8	+2.7
SOTA	Rioblanco	31.21 348	eP	P	09 38 08.4	+2.9
PCON	Cinco Dias	31.36 348	eP	P	09 38 10.3	+3.4
PRAC	Prado	32.49 352	eP	P	09 38 18.5	+2.2
YOTC	Yotoco, Valle	32.97 349	eP	P	09 38 21.7	+1.1
CHIC	Chingaza	33.27 354	eP	P	09 38 25.1	+1.5
ROSC	El Rosal	33.53 353	P	P	09 38 26.1	+0.3
comp=Z,3.1nm,0.4s,baz=150,slow=20,SNR=1.8						
ROSC			LR	LR	09 52 21.9	
comp=Z,220nm,19.3s,baz=192,slow=37						
ROSC	El Rosal	33.53 353	eP	P	09 38 26.1	+0.3
comp=Z,7.7nm,1.0s						
RREF	El Recreo	33.72 351	eP	P	09 38 31.0	+3.4
PLMC	San Jos del	33.86 349	eP	P	09 38 30.3	+2.0
RUSC	La Rusia	34.47 355	eP	P	09 38 34.4	+0.4
HELC	Santa Helena	35.01 351	eP	P	09 38 39.5	+0.9
BARC	Barichara	35.17 355	eP	P	09 38 40.0	-2.7
PTBC	PUERTO BERRIO,	35.23 353	eP	P	09 38 38.4	-1.7
ZARC	Zaragoza, Cauc	36.21 353	eP	P	09 38 47.6	-0.8
UREC	San Jos de U	36.55 351	eP	P	09 38 51.0	-0.3
SDV	Santo Domingo	37.34 360	eP	P	09 38 57.9	-0.4
comp=Z,10nm,0.8s						
SMLC	San Mart n de	37.43 354	eP	P	09 38 59.0	+0.3
MOTC	Monteria, Cord	37.58 351	eP	P	09 39 01.0	+1.0
MDD	Montagnes des	37.70 30	P	P	09 39 09.0	-0.2
comp=Z,19nm,1.0s,baz=180,slow=7.9						
SJCC	San Jacinto, C	38.62 352	eP	P	09 39 10.2	+1.4
VNA3	Neumayer Olymp	53.80 160	P	P	09 41 07.6	+0.5
VNA1	Neumayer-Stiat	54.06 159	P	P	09 41 09.8	+0.9
VNA2	Neumayer-Watz	54.42 159	P	P	09 41 12.1	+0.5
baz=287,slow=9.0						
SNA4	Sanae	56.02 159	P	P	09 41 23.6	+0.5
SNA4	Sanae	56.02 159	P	P	09 41 23.5	+0.4
comp=Z,35nm,0.7s,baz=281,slow=6.5,SNR=233						
SNA4			sP	sP	09 41 56.2	+0.6
SNA4	Sanae	56.02 159	eP	P	09 41 23.5	+0.4
comp=Z,9.0nm,0.5s,baz=299,slow=8,SNR=2.2						
SNA4	Sanae	56.02 159	eP	sP	09 41 56.2	+0.6
SNA4			eP	sP	09 41 23.5	+0.4
comp=Z,50nm,0.8s						
556A	Lake Butler	59.46 348	P	P	09 41 48.3	+0.7
baz=168						
555A	McAlpin	59.68 347	P	P	09 41 49.5	+0.4
LNAR	Linare	60.15 329	eP	P	09 41 53.6	+1.2
comp=Z,6.4nm,0.6s						
454A	Quitman	60.39 347	P	P	09 41 53.7	-0.2
baz=167						
NVL	N'lazarevskaya	60.68 158	U/P	P	09 41 56.8	+1.4
353A	Camilla	61.12 347	P	P	09 41 58.4	-0.4
baz=166						
449A	Pace	61.24 344	P	P	09 41 58.7	-0.9
baz=163						
351A	Pinckard	61.35 345	P	P	09 42 01.2	+0.8
255A	Hazlehurst	61.35 348	P	P	09 42 00.5	+0.2
baz=168						
352A	Blakely	61.40 346	P	P	09 42 01.1	+0.4
baz=165						
254A	Abbeville	61.52 348	P	P	09 42 01.7	+0.2
baz=167						
QSPA	South Pole Qui	61.54 180	eP	P	09 42 02.4	+0.8
comp=Z,23nm,0.6s						
252A	Lumpkin	61.86 346	P	P	09 42 03.7	-0.1
baz=166						
156A	Sylvania	61.90 349	P	P	09 42 03.9	-0.1
baz=169						
155A	Kite	62.03 349	P	P	09 42 04.8	-0.1
baz=168						
251A	Midway	62.09 346	P	P	09 42 05.0	-0.4
baz=165,SNR=5.4						
154A	Montrose	62.13 348	P	P	09 42 05.9	+0.3
baz=167						
NHSC	New Hope	62.14 331	P	P	09 42 06.4	+0.8
baz=17						
541A	Lake Charles	62.32 358	P	P	09 42 07.8	+0.9
baz=157						
249A	Camden	62.38 344	P	P	09 42 07.9	+0.7
baz=163						
151A	Opelika	62.49 346	P	P	09 42 08.2	+0.1
baz=165						
152A	Waverly Hall	62.50 346	eP	P	09 42 08.2	+0.1
comp=Z,8.1nm,1.0s						
152A	Waverly Hall	62.50 346	P	P	09 42 07.7	-0.4
baz=166						
255A	Blythe	62.56 349	P	P	09 42 08.7	+0.3
baz=168						
248A	Dixon Mills	62.64 343	P	P	09 42 08.9	-0.1
baz=163						
254A	Sparta	62.69 348	P	P	09 42 09.2	-0.1
baz=168						
150A	Eclectic	62.72 345	P	P	09 42 09.8	+0.2
baz=165						
247A	Quitman	62.82 343	P	P	09 42 11.6	+1.4
baz=162						
344A	Westbrook Farm	62.85 341	eP	P	09 42 12.2	+1.8
comp=Z,24nm,1.0s						
344A	Westbrook Farm	62.85 341	P	P	09 42 10.8	+0.4
baz=160						
253A	Monticello	62.87 348	P	P	09 42 10.7	+0.2
baz=167						
833A	Chaparral WMA,	63.10 331	eP	P	09 42 14.0	+1.8
comp=Z,44nm,1.1s						
833A	Chaparral WMA,	63.10 331	P	P	09 42 16.2	+1.2
baz=152,SNR=11						
148A	Greensboro	63.13 344	P	P	09 42 12.0	-0.2

250A	Ashland	63.32 345	P	P	09 42 12.9	-0.7
baz=165,SNR=6.5						
147A	Livingston	63.33 343	P	P	09 42 13.5	-0.1
baz=162						
LRAL	Lakeview Retre	63.36 344	P	P	09 42 13.7	-0.1
baz=164						
244A	Avery, Jackson	63.38 341	P	P	09 42 13.4	-0.5
baz=164						
Z49A	Columbiana	63.40 345	P	P	09 42 13.5	-0.5
baz=164						
Y56A	Monroe	63.43 348	P	P	09 42 14.1	-0.1
baz=167						
145A	Union	63.49 342	P	P	09 42 14.7	0.0
baz=162						
VBMS	Vicksburg	63.50 341	P	P	09 42 14.9	+0.2
baz=160						
Y52A	Lilburn	63.53 347	P	P	09 42 14.2	-0.7
baz=167						
145A	Houston Renfro	63.70 342	P	P	09 42 15.6	-0.4
baz=161						
Y51A	Rockmart	63.76 346	P	P	09 42 16.1	-0.3
baz=160						
Z47A	Carrollton	63.77 344	P	P	09 42 16.1	-0.4
baz=163						
Z48A	Northport	63.82 344	P	P	09 42 16.3	-0.5
baz=163						
Y50A	Piedmont	63.90 346	P	P	09 42 16.9	-0.4
baz=165,SNR=5.4						
Z46A	Louisville	63.99 343	P	P	09 42 18.1	+0.2
baz=162						
X53A	Estanallee	64.01 348	P	P	09 42 18.2	+0.2
baz=167						
Y49A	Blount Mountai	64.01 345	P	P	09 42 17.5	-0.5
baz=164						
143A	Soc Landng,	64.21 340	eP	P	09 42 21.2	+1.8
comp=Z,1.0s						
143A	Soc Landng,	64.21 340	P	P	09 42 19.4	0.0
baz=160,SNR=6.7						
X52A	Dalhogea	64.22 348	P	P	09 42 18.3	-1.1
baz=167						
Y48A	Jasper	64.24 345	P	P	09 42 18.7	-0.8
baz=164						
KMSC	Kings Mountain	64.31 350	P	P	09 42 19.5	-0.4
baz=163						
Z45A	Winona	64.36 342	eP	P	09 42 21.6	+1.3
comp=Z,19nm,0.6s						
Z45A	Winona	64.36 342	P	P	09 42 20.5	+0.2
baz=161						
X51A	Calhoun	64.37 347	eP	P	09 42 21.0	+0.7
comp=Z,23nm,0.9s						
X51A	Calhoun	64.37 347	eP	P	09 42 42.6	-0.6
X51A	Calhoun	64.37 347	P	P	09 42 19.7	-0.7
NATX	Nacogdoches	64.38 337	P	P	09 42 20.4	-0.1
baz=156						
Y47A	UCPARC, Winfie	64.39 344	P	P	09 42 20.4	-0.1
baz=163,SNR=5.5						
X50B	Fort Payne	64.43 346	P	P	09 42 21.0	+0.2
baz=165,SNR=5.7						
X49A	Woodville	64.62 346	P	P	09 42 22.0	0.0
baz=164						
Y46A	Houston	64.62 343	P	P	09 42 22.8	+0.8
baz=167						
W53A	Cullowhee	64.63 348	P	P	09 42 22.7	+0.5
baz=168						
W52A	Murphy	64.70 348	eP	P	09 42 23.0	+0.4
comp=Z,7.6nm,1.0s						
W52A	Murphy	64.70 348	eP	P	09 42 44.8	-0.6
W52A	Murphy	64.70 348	P	P	09 42 22.7	+0.2
baz=167						
X48A	Hartselle	64.73 345	eP	P	09 42 23.3	+0.6
comp=Z,17nm,1.0s						
X48A	Hartselle	64.73 345	eP	P	09 42 45.0	-0.7
X48A	Hartselle	64.73 345	P	P	09 42 22.8	+0.1
baz=164,SNR=8.7						
Y45A	Yeager Farm, C	64.79 342	P	P	09 42 23.7	+0.6
baz=161,SNR=8.0						
HPIG	comp=Z,9.3nm,0.6s	64.81 325	eP	P	09 42 25.9	+2.2
W51A	Cleveland	64.92 347	P	P	09 42 23.9	-0.1
baz=166						
X47A	Russelville	64.98 344	P	P	09 42 24.1	-0.2
baz=163,SNR=3.3						
V53A	Saluda	65.06 349	eP	P	09 42 26.1	+1.2
comp=Z,10nm,1.1s						
V53A	Saluda	65.06 349	P	P	09 42 24.4	-0.5
baz=168						
W50A	Signal Mountai	65.07 347	eP	P	09 42 25.6	+0.6
comp=Z,14nm						

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like F41A Three Lakes, PV09 Paradox Valley, G39A Holcombe, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like DUG Dugway, Tooele, DUG Dugway, Tooele, DUG Dugway, Tooele, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like LBTB Lobatze, J08A Circle Bar Ran, MSO Missoula, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Chiang Mai, Payao, Chiang Mai Arr, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like LHMH, WHN, WHN, KULM, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CHMS, AML, USP, EKS2, etc.

Z50A	Ashland	20.09	11	eP	Pn	12 33 05.9 -0.2
Z50A	Ashland	20.09	11	P	Pn	12 33 05.5 -0.5
154A	Montre	20.18	18	eP	P	12 33 06.1 +1.3
154A	Yeager Farm, C	20.28	2	eS	S	12 36 49.5 +1.5
Y45A	Yeager Farm, C	20.28	2	P	Pn	12 33 09.0 +0.7
H06E	GOCORRO T-PHASO	20.30	288	T	T	12 53 26.8
Z51A	Franklin	20.30	13	P	Pn	12 33 07.8 -0.8
Y46A	Houston	20.33	4	P	P	12 33 07.4 +1.1
Z52A	Williamson	20.35	15	P	P	12 33 07.6 +0.9
Y47A	UCPARC, Winfie	20.44	6	P	P	12 33 08.5 +1.0
Y48A	Jasper	20.53	8	P	P	12 33 09.8 +1.3
Y49A	Blount Mountai	20.59	10	eP	P	12 33 10.3 +1.1
Y49A	Blount Mountai	20.59	10	P	P	12 33 10.3 +1.1
Z53A	Monticello	20.66	17	P	P	12 33 10.7 +0.7
Y50A	Piedmont	20.74	11	P	P	12 33 12.5 +1.6
ABTX	Abilene, Hawle	20.77	338	eP	P	12 33 12.3 +1.0
ABTX	Abilene, Hawle	20.77	338	P	P	12 33 12.6 +1.4
GOGA	Godfrey	20.82	17	P	P	12 33 12.6 +1.0
Z54A	Sparta	20.84	18	P	P	12 33 12.8 +0.9
X45A	UM Field Stati	20.84	3	P	P	12 33 12.8 +0.9
Y51A	Rockmart	20.88	13	P	P	12 33 13.5 +1.0
X44A	Crenshaw	20.89	1	P	P	12 33 13.7 +1.3
X43A	Marvell	20.91	359	eP	P	12 33 13.3 +0.6
OXF	Oxford	20.93	3	eP	P	12 33 13.3 +0.5
OXF	Oxford	20.93	3	P	P	12 33 13.6 +0.8
X41A	Kaden, Bauxite	20.96	355	P	P	12 33 15.0 +1.7
X40A	Basin Creek Fa	20.98	355	eP	P	12 33 14.2 +0.7
X40A	Basin Creek Fa	20.98	355	P	P	12 33 14.2 +0.7
SLBS	Sierra La Lagu	21.00	302	eP	Pn	12 33 15.9 -1.1
X46A	Booneville	21.02	4	P	P	12 33 15.4 +1.6
X47A	Russellville	21.05	6	P	P	12 33 15.6 +1.4
X48A	Hartselle	21.08	8	eP	P	12 33 15.7 +1.3
X48A	Hartselle	21.08	8	P	P	12 33 15.8 +1.3
Y52A	Liburn	21.09	15	eP	P	12 33 15.5 +1.0
Y52A	Liburn	21.09	15	P	P	12 33 15.8 +1.2
MIAR	Mount Ida	21.12	353	eP	P	12 33 15.3 +0.4
MIAR	Mount Ida	21.12	353	P	P	12 33 15.0 +0.1
Y53A	Monroe	21.20	16	P	P	12 33 16.5 +0.7
UALR	University of	21.23	356	eP	P	12 33 16.9 +0.9
X49A	Woodville	21.24	10	P	P	12 33 17.5 +1.3
X50B	Fort Payne	21.31	11	P	P	12 33 17.8 +0.8
X37A	Clayton	21.44	349	eP	P	12 33 19.1 +0.8
LPIG	La Paz	21.48	302	P	P	12 33 22.3 +3.5
PLAL	Pickwick Lake	21.48	5	eP	P	12 33 19.3 +0.5
X51A	Calhoun	21.57	13	eP	P	12 33 20.6 +0.9
X51A	Calhoun	21.57	13	P	P	12 33 21.7 +1.9
W45A	Hickory Valley	21.58	3	P	P	12 33 21.0 +1.2
W46A	Michie	21.61	5	P	P	12 33 20.5 +0.4
W41B	Gary Mavity, V	21.62	356	eP	P	12 33 20.0 -0.2
W41B	Gary Mavity, V	21.62	356	P	P	12 33 20.7 +0.5
WHAR	Woolly Hollow	21.74	356	eP	P	12 33 21.7 +0.2
W48A	Pulaski	21.77	8	P	P	12 33 22.8 +1.0
W39A	Magazine	21.79	353	eP	P	12 33 22.6 +0.6
W39A	Magazine	21.79	353	P	P	12 33 22.3 +0.2
W47A	Westpoint	21.80	6	P	P	12 33 22.6 +0.5
X52A	Dahlonega	21.83	15	P	P	12 33 22.1 -0.5
W49A	Belvidere	21.85	9	P	P	12 33 22.2 -0.5
X53A	Estanolee	21.89	16	P	P	12 33 22.8 -0.4
HODGE	Hodges	21.94	19	eP	P	12 33 24.5 +0.8
SWET	Sewanee	22.00	10	eP	P	12 33 24.6 +0.3
W50A	Signal Mountai	22.09	11	eP	P	12 33 25.7 +0.3
W50A	Signal Mountai	22.09	11	P	P	12 33 25.4 0.0
W51A	Cleveland	22.16	13	P	P	12 33 25.6 -0.5
V42A	Cord	22.21	358	P	P	12 33 26.3 -0.3
V41A	Mountainview	22.22	356	P	P	12 33 25.7 -1.0
W52A	Murphy	22.29	14	eP	P	12 33 27.5 0.0
W52A	Murphy	22.29	14	P	P	12 33 27.6 +0.1
V46A	Holladay	22.29	5	P	P	12 33 26.9 -0.6
V48A	Smith Brothers	22.37	8	eP	P	12 33 28.8 +0.4
V48A	Smith Brothers	22.37	8	P	P	12 33 28.7 +0.4
V47A	Nunnelle	22.38	6	P	P	12 33 27.6 -0.8
WMOK	Wichita Mounta	22.42	342	eP	P	12 33 28.4 -0.5
WMOK	Wichita Mounta	22.42	342	P	P	12 33 28.1 -0.8
CPCT	Cooper Cave	22.49	13	eP	P	12 33 30.0 +0.3
GDL2	Guadalupe Moun	22.52	328	eP	P	12 33 31.5 +1.4
V49A	McIlmville	22.54	10	P	P	12 33 29.7 -0.4
W53A	Cullowhee	22.55	16	P	P	12 33 30.5 +0.1
V50A	Pikeville	22.59	12	P	P	12 33 30.2 -0.5
W57	Waverly	22.62	6	eP	P	12 33 31.9 +0.6
WVT	Waverly	22.64	6	P	P	12 33 31.5 +0.3
MNTX	Cornudas Mount	22.67	325	eP	P	12 33 31.7 +0.1
MNTX	Cornudas Mount	22.67	325	P	P	12 33 32.1 +0.5
U42A	Reverde	22.75	358	P	P	12 33 31.8 -0.5
U41A	Viola	22.77	357	P	P	12 33 32.9 +0.3
TUL1	Leonard	22.80	349	eP	P	12 33 31.5 -1.4

TUL1	Leonard	22.80	349	P	P	12 33 31.4 -1.4
U40A	Yellville	22.84	355	P	P	12 33 32.4 -0.9
U46A	Spruille	22.84	5	P	P	12 33 33.1 -0.2
TKL	Tuckaleechee C	22.86	14	P	P	12 33 32.0 -1.5
TKL	Tuckaleechee C	22.86	14	eP	P	12 33 32.5 -1.1
V51A	Loudon	22.87	13	eP	P	12 33 33.5 -0.2
V51A	Loudon	22.87	13	P	P	12 33 33.2 -0.5
HHAR	Hobbs	22.88	353	eP	P	12 33 33.1 -0.6
U47A	Clarksville	23.01	7	P	P	12 33 34.5 -0.4
V52A	Bevierville	23.08	14	P	P	12 33 35.2 -0.5
V53A	Saluda	23.12	16	eP	P	12 33 37.2 +1.1
V53A	Saluda	23.12	16	P	P	12 33 35.9 -0.2
PBMO	Poplar Bluff	23.16	0	eP	P	12 33 37.9 +1.4
U48A	Cassie Pea, Po	23.17	8	eP	P	12 33 35.6 -1.0
MSTX	Muleshoe	23.21	333	eP	P	12 33 36.9 -0.3
MSTX	Muleshoe	23.21	333	P	P	12 33 36.5 -0.7
U49A	Red Boiling Sp	23.29	10	P	P	12 33 36.9 -0.8
U50A	Jamestown	23.36	12	eP	P	12 33 38.0 -0.5
T42A	Van Buren	23.42	359	eP	P	12 33 38.4 -0.6
T42A	Van Buren	23.42	359	P	P	12 33 38.2 -0.4
T41A	Mountain View	23.46	357	P	P	12 33 39.4 +0.2
T43A	Greenville	23.47	0	P	P	12 33 39.9 +0.5
T44A	Benton	23.48	2	P	P	12 33 39.9 +0.3
U51A	La Follette	23.50	13	P	P	12 33 39.8 +0.1
T46A	Princeton	23.54	5	P	P	12 33 40.1 0.0
AMTX	Amarillo	23.55	336	eP	P	12 33 40.3 0.0
AMTX	Amarillo	23.55	336	P	P	12 33 41.2 +0.8
T47A	Sharon Grove	23.57	7	eP	P	12 33 39.9 -0.4
T47A	Sharon Grove	23.57	7	P	P	12 33 40.0 -0.4
U52A	Thorn Hill	23.66	14	P	P	12 33 41.3 +0.1
TZTN	Tazewell	23.76	14	eP	P	12 33 42.1 0.0
TZTN	Tazewell	23.76	14	P	P	12 33 41.5 -0.6
T48A	Bowling Green	23.78	8	P	P	12 33 42.3 +0.1
U53A	Fall Branch	23.84	16	P	P	12 33 42.2 -0.6
SJG	San Juan	23.86	76	LR	LR	12 43 52.3
T49A	Edmonton	23.91	10	eP	P	12 33 43.0 -0.3
T49A	Edmonton	23.91	10	P	P	12 33 43.1 -0.3
T50A	Nancy	23.95	11	P	P	12 33 43.6 -0.1
S41A	Jillico Farms,	24.00	358	P	P	12 33 44.2 0.0
T51A	Gray	24.08	13	P	P	12 33 45.1 +0.1
S44A	Carbondale	24.10	2	P	P	12 33 45.1 0.0
S45A	Carrier Mills	24.12	4	P	P	12 33 45.5 +0.2
SIUC	Southern Illin	24.13	2	eP	P	12 33 46.4 +1.0
S42A	Caledonia	24.16	359	P	P	12 33 45.2 -0.4
S47A	Hartford	24.20	7	P	P	12 33 46.3 +0.3
S46A	Don Dixon Farm	24.20	5	P	P	12 33 45.9 -0.1
S48A	Wiedeman Farm,	24.37	9	P	P	12 33 47.1 -0.4
CCM	Cathedral Cave	24.45	359	eP	P	12 33 48.5 +0.2
CCM	Cathedral Cave	24.45	359	P	P	12 33 48.5 +0.2
HSIG	comp=N,13nm,0.8s	24.45	312	eP	P	12 33 50.1 +1.6
USIN	University of	24.48	5	eP	P	12 33 48.8 +0.2
S49A	Springfield	24.61	10	P	P	12 33 50.5 +0.7
121A	Cookes Peak, D	24.66	323	P	P	12 33 51.7 +1.2
R44A	Waltonville	24.66	3	P	P	12 33 49.7 -0.6
R43A	Red Bud	24.66	1	P	P	12 33 49.5 -0.8
R42A	Luebbering	24.66	359	P	P	12 33 49.5 -0.7
S50A	Riceond	24.67	12	P	P	12 33 50.1 -0.3
R41A	Rosebud	24.69	358	P	P	12 33 50.6 0.0
R46A	Gibson Southern	24.74	6	P	P	12 33 50.7 -0.2
R45A	Skyler, Fairir	24.75	4	P	P	12 33 50.9 -0.2
319A	Douglas	24.77	319	eP	P	12 33 53.2 +1.7
S51A	Beattyville	24.80	13	P	P	12 33 51.4 -0.1
WCI	Wyandotte Cave	24.89	8	eP	P	12 33 52.0 -0.4
WCI	Wyandotte Cave	24.89	8	P	P	12 33 52.4 0.0
R47A	Wooly Knot Far	24.93	7	P	P	12 33 52.7 0.0
R48A	Northridge Ran	25.12	9	P	P	12 33 55.8 +1.4
R49A	Shelbyville	25.12	10	P	P	12 33 54.4 0.0
OLIL	Olney	25.21	4	eP	P	12 33 55.2 0.0
R50A	Paris	25.27	11	P	P	12 33 56.4 +0.7
Q42A	Golden Eagle	25.29	360	P	P	12 33 57.0 +1.1
Y22D	IRIS PASSCAL I	25.32	327	eP	P	12 33 57.1 +0.7
Y22D	IRIS PASSCAL I	25.32	327	P	P	12 33 57.0 +0.5
Q44A	Meyer Farm, Va	25.32	3	P	P	12 33 57.7 +0.5
Q43A	New Douglas	25.33	1	P	P	12 33 57.1 +0.8
Q41A	Tru Don	25.34	359	P	P	12 33 56.9 +0.5
LPM	Los Pinos Mount	25.35	328	eP	P	12 33 57.9 +1.1
Q45A	Warrin Harvey,	25.36	4	P	P	12 33 56.5 -0.1
LENM	Lemitar	25.42	327	eP	P	12 33 58.5 +1.2
R51A	Hillsboro	25.44	13	P	P	12 33 57.1 -0.1
Q47A	Bedord North L	25.57	7	P	P	12 33 57.9 -0.6
Q48A	North Vernon	25.66	9	P	P	12 33 58.7 -0.6
LAZ	Ladron	25.68	327	eP	P	12 33 59.8 0.0
ANMO	Albuquerque	25.75	329	P	P	12 34 01.5 +1.1
ANMO	comp=N,1.6nm,0.7s,baz=144,slow=12,SNR=9.5			PcP	PcP	12 37 30.0 +0.9
ANMO	comp=N,3.5nm,1.0s			PcP	PcP	12 46 29.6
ANMO	comp=N,50nm,18.9s,baz=128,slow=62,SNR=3.6			LR	LR	12 34 01.9 +1.4

ANMO	Albuquerque	25.75	329	eP	PcP	12 37 30.0 +0.9
ANMO	Albuquerque	25.75	329	P	PcP	12 34 00.4 -0.1
Q49A	Aurora	25.87	10	P	P	12 33 59.6 -1.6
Q50A	Georgetown	25.88	12	P	P	12 34 00.6 -0.7
P44A	Sand Creek, Wi	25.90	3	P	P	12 34 01.2 -0.3
P45A	Graceland, Par	26.02	5	P	P	12 34 01.7 -0.9
KSU1	Kansas State U	26.05	349	eP	P	12 34 03.3 +0.5
KSU1	Kansas State U	26.05	349	P	P	12 34 03.8 +0.9
P41A	Barry, Barry	26.06	359	P	P	12 34 03.1 +0.2
P47A	Mason</					

3d 12h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Res, Time, Res, ISC. Includes stations like GMRC Granite Mounta, MTPU Mount Pierson, SZCU Shurtz Canyon, etc.

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Table with columns: Code, Station Name, Az, Az', Phase, ID, Res, Time, Res, ISC. Includes stations like ORV Oroville, WVOR Wild Horse Val, EGMT Eggleston, etc.

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Table with columns: Code, Station Name, Az, Az', Phase, ID, Res, Time, Res, ISC. Includes stations like KHGB Koh Gabri, KHGB Koh Gabri, TVBK TV Kerman, etc.

Table with columns for station call letters, frequency, and various signal quality metrics. Includes stations like IAKL, ISHM, IMYA, AJN, etc.

Table with columns for station call letters, frequency, and various signal quality metrics. Includes stations like AAK, KZA, FRU1, FRU, etc.

Table with columns for station call letters, frequency, and various signal quality metrics. Includes stations like MLR, Muntele Rosu, OBN, etc.

3d 16h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like RAMN Ramite, GUN Gumba, PKI Pulchoki, etc.

ICD 03 14:58:46.7.0.9, 44.68N, 37.38E, h0km, mb1 3.4/5, s-maj=13.2km s-min=9.5km az=4.0, Error ellipse: s-maj=13.2km s-min=9.5km az=4.0

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

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

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

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

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

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

2012 DEC

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like NVNR Kislovodsk, KIV Kislovodsk, KVAR Kislovodsk, etc.

ICD 03 14:59:35.6.7.6, 36.04N, 71.10E, h185km, mb2 8/2, mb1 2.9/6, mb1mx2.7/67, mbtmp3.5/6, Error ellipse: s-maj=69.9km s-min=38.6km az=46.0

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

ICD 03 15:12:06.3.1.1, 24.0S, 0.1x179.9E, 0.2, h526km, mb4 1/7, Error ellipse: s-maj=39.1km s-min=16.4km az=167.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like URZ Urewera, URZ Urewera, CTA Charters Tower, etc.

ICD 03 15:29:00.0.48.0, 14.66S, 173.13W, h0km, mb4 1/3, mb1 4.3/3, mb1mx3.7/30, mbtmp4.1/3, Error ellipse: s-maj=936.9km s-min=168.1km az=77.0, Samoa Islands region

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

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MEX 03 15:55:25.0.0.4, 14.88N, 93.26W, h44km, 103km, MD3.8, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MEX 03 16:14:39.3.8.0, 23.40N, 109.54W, h20km, 999km, MD3.5, Baja California

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MEX 03 16:29:41.6.0.5, 20.25N, 97.14W, h9km, 8km, MD3.9, Veracruz

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LVIG Laguna Verde, LVIG Laguna Verde, LEVG Demacu, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KSP Ksiadz, KSP Ksiadz, UPC Upice, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like DPC Dobruska-Polom, DPC Dobruska-Polom, PVCC Panska Ves, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like OKC Ostrava-Krasne, OKC Ostrava-Krasne, CHZP Chorow, etc.

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

3d 18h

Table with columns: Code, Station Name, Az, Alt, Op, P, S, Res, Time, Res, ISC. Includes stations like Chengdu, Noril'sk, Indian Mountai, Jazator, Kodiak Island, Zalesovo Beam, etc.

2012 DEC

Table with columns: Code, Station Name, Az, Alt, Op, P, S, Res, Time, Res, ISC. Includes stations like DHBB, DAMY, TRBA, DJNS, MAOD, OBO, etc.

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Table with columns: Code, Station Name, Az, Alt, Op, P, S, Res, Time, Res, ISC. Includes stations like MRLC, MRLC, MRLC, MRLC, MRLC, etc.

BEO 03 18:13:44.1±0.9, 39°01'N:15°03'E, h5km, ML3.6/5
ISCJB 03 18:13:56.0±0.2, 40°08'N:02°15'72"E:0.02, h27km, 2km,
Error ellipse: s-maj=3.1km s-min=2.7km az=33.5
LDG 03 18:13:56.3±0.2, 40°06'N:15°03'E, h20km, ML3.6/6, Error
ellipse: s-maj=6.3km s-min=5.1km az=39.0
ROM 03 18:13:56.2±0.1, 40°05'N:0°04':15.786E:0°00',
h21km, ML3.3/37
ISC 03 18:13:56.2±0.9, 40°06'N:02°15'72"E:0.02, h22km, 1km,
n82, ±179/112, 7C-3D, Southern Italy

3d 18h

Table with columns: LMR, comp, N, 0.1nm, 0.1s, eSn, Sn, 18 17 02.3 -3.1, etc.

DHMR 03 18:17:43.4:1.7, 15:08N:42:37E, h15km, 24km, ML3.6, Western Arabian Peninsula

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

MEX 03 18:21:47.7:0.4, 17:30N:101:07W, h12km, 5km, MD3.9, Near coast of Guerrero

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

ISC/JB 03 18:23:40.3:0.6, 14:94N:0:06:42:08E:0:05, h10km, mb3.8/8, Error ellipse: s-maj=9.4km s-min=5.8km az=36.8

IDC 03 18:23:40.5:0.9, 14:88N:42:03E, h0km, mb3.8/8, mb1 3.9/9, mb1mx3.7/48, mbtmp3.8/9, ML4.0/1, Error ellipse: s-maj=22.1km s-min=16.3km az=81.0

DHMR 03 18:23:41.8:1.8, 14:83N:42:31E, h7km, 26km, ML4.0

ISC 03 18:23:41.9:0.7, 14:87N:0:07:42:14E:0:07, h10km, n13, s1528/18, mb3.8/8, Western Arabian Peninsula

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

ISC/JB 03 18:30:24.4:0.6, 0:54N:0:07:126:09E:0:06, h44km, mb4.3/7, MS3.3/2, Error ellipse: s-maj=10.4km s-min=8.6km az=5.1

IDC 03 18:30:24.6:1.4, 0:21N:126:49E, h0km, mb4.0/3, mb1 4.1/4, mb1mx3.6/39, mbtmp3.9/4, ML3.5/1, MS3.4/2, Ms1 3.4/2, ms1mx2.6/47, Error ellipse: s-maj=24.9km s-min=10.5km az=146.0

NEIC 03 18:30:25.3:0.5, 0:55N:126:16E, h35km, mb4.2/5, Error ellipse: s-maj=17.0km s-min=9.1km az=68.0

ISC 03 18:30:26.3:0.9, 0:6N:0:1:126:17E:0:06, h44km, n18, s1502/17, mb4.2/7, Northern Molucca Sea

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

MEX 03 18:52:13.7:0.5, 14:86N:93:52W, h16km, 99km, MD3.9, Near coast of Chiapas

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

ISC/JB 03 18:57:35.9:0.5, 23:98N:0:01:122:34E:0:01, h10km, 3km, Error ellipse: s-maj=2.3km s-min=1.9km az=38.3

JMA 03 18:57:36:0:2, 23:98N:122:33E, h17km, 3km, M3.3

TAP 03 18:57:37.4, 24:05N:122:30E, h24km, ML3.4, D

ISC 03 18:57:36:0:1, 1, 23:97N:0:02:122:34E:0:02, h23km, 13km, YM01

2012 DEC

Main table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, etc.

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Table with columns: YUS, baz=343, Yu-Shan, 1.36 250 eP, Pb, 18 58 01.1 0.0, etc.

Table with columns: LAY, Lan-yu, 2.06 201 eP, Pb, 18 58 11.4 -1.4, etc.

Table with columns: SAHE, Sakarya, HENDEK, 3.10 147 /P, Pn, 18 59 27.2 -0.7, etc.

Table with columns: KZN, Kozani, 6.03 241 /P, Pn, 19 00 08.7 +0.3, etc.

DDA 03 18:58:37.9, 43.26N, 28.65E, h7km, M4.5

MOS 03 18:58:37.1, 43.43N, 28.74E, h10km, mb4.1/10, Error ellipse: s-maj=4.4km s-min=3.7km az=84.8

ISCJIB 03 18:58:38.0, 43.40N, 01.01, 28.71E, 0.02, h21km, 3km, mb3.8/19, MS3.0/2, Error ellipse: s-maj=2.0km s-min=2.0km az=16.3

PRU 03 18:58:38.1, 0.43, 43.44N, 28.80E, h0km, M4.8, BUC 03 18:58:38.7, 0.43, 43.43N, 28.67E, h7km, 3km, MD5.0/4, Error ellipse: s-maj=7.2km s-min=4.7km az=131.0

IDC 03 18:58:39.1, 0.7, 43.58N, 28.88E, h0km, mb3.7/13, mb1.3/9, mb1mx3.8/44, mbmp3.8/23, ML3.7/9, MS3.1/9, Ms1.3/1.9, ms1mx2.8/47, Error ellipse: s-maj=12.5km s-min=6.4km az=27.0

SOF 03 18:58:39.4, 43.46N, 28.67E, h15km, MD3.7, BEO 03 18:58:39.3, 0.9, 43.32N, 28.62E, h0km, ML4.7/3, NEIC 03 18:58:39.3, 0.2, 43.45N, 28.65E, h10km, mb4.5/5, ML4.6(ISK), Error ellipse: s-maj=4.0km s-min=3.3km az=137.0

NEIC Felt at Dobrich, Shumen, Rusa and Varna, Bulgaria and at Bucharest, Constanta, Giurgiu and Tulcea, Romania.

ISC 03 18:58:40.5, 0.9, 43.48N, 0.02, 28.65E, 0.03, h22km, 4km, n358, s1979/398, mb3.8/19, 64C-36D, Black Sea

Main station list table with columns: Code, Station Name, d, A, Z, Phase ID, h, m, s, ISC, etc.

CRAR CRAIOVA, 3.61 285 /P, Pn, 18 59 37.1 +2.2

CRAR CRAIOVA, 3.61 285 /P, Pn, 18 59 37.1 +2.2

BCAM Yenicaga, 3.68 135 /P, Pn, 18 59 36.3 +0.2

SEV Sevastopol, 3.77 72 /P, Pn, 18 59 21.0 +0.1

IAS Iasi, 3.79 349 /P, Pn, 18 59 38.2 +2.3

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

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SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

SMR Samothraki Isl, 3.80 219 /P, Pn, 18 59 37.2 -0.5

APE Apatzari, 6.83 201 /P, Pn, 19 00 18.0 -1.4

PDG Podgorica, 6.97 265 /P, Pn, 19 00 22.2 +1.0

PDG Podgorica, 6.97 265 /P, Pn, 19 00 22.2 +1.0

PDG Podgorica, 6.97 265 /P, Pn, 19 00 22.2 +1.0

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PDG Podgorica, 6.97 265 /P, Pn, 19 00 22.2 +1.0

PDG Podgorica, 6.97 265 /P, Pn, 19 00 22.2 +1.0

3d 19h

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like Metsahovi, Rauma, FINESS Array B, etc.

IDC 03 19:06:10.8, 2.3, 36.35N, 70.74E, h196km, 21km, mb3.4/11, mb1.3/5/16, mb1mx3.2/44, mbtmp3.9/16, MS3.3/1, Ms1.3/4/1, ms1mx2.4/47, Error ellipse: s-maj=16.9km s-min=11.7km az=29.0

ISCJB 03 19:06:11.9, 0.3, 36.57N, 0.02, 70.88E, 0.05, h200km, mb3.6/11, Error ellipse: s-maj=5.5km s-min=3.2km az=172.6

NEIC 03 19:06:14.7, 1.1, 36.67N, 70.89E, h189km, 20km, mb4.3/2, Error ellipse: s-maj=21.5km s-min=12.3km az=89.0

NNC 03 19:06:18.0, 1.4, 36.99N, 70.82E, h214km, 11km, mb3.1, mpv4.1, Error ellipse: s-maj=13.4km s-min=10.6km az=49.0

ISC 03 19:06:12.0, 0.5, 36.60N, 0.05, 70.83E, 0.05, h200km, n63, r159/79, ms3.7/11, 10C-4D, Hindu Kush region

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like Kabul, Batken, Chirah Chowk, etc.

2012 DEC

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like Erkin-Say, Karatay Array, Ala-Archa, etc.

EAF 03 19:35:02.8, 5.4, 14.24N, 46.73E, h0km, 999km, IDC 03 19:35:18.5, 1.5, 14.91N, 42.08E, h0km, mb3.7/6, Mb1.3/9/7, mb1mx3.5/52, mbtmp3.8/7, ML4.1/1, MS3.2/11, ms1.3/2/11, ms1mx3.0/30, Error ellipse: s-maj=41.7km s-min=16.4km az=82.0

ISC 03 19:35:20.1, 0.9, 14.96N, 0.06, 42.1E, 0.1, h10km, n21, c232/16, mb3.8/6, MS3.3/7, Western Arabian Peninsula

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like Arta Tunnel, Molot Merit Ar, Arta Tunnel, etc.

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Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like SOMM, KSRS, etc.

SOME 03 19:43:16.8, 44.28N, 81.87E, h15km, NNC 03 19:43:17.6, 2.1, 44.38N, 81.80E, h0km, mb2.8, mpv2.4, Error ellipse: s-maj=37.5km s-min=6.8km az=125.0

ISC 03 19:43:15.5, 2.0, 44.23N, 0.06, 81.91E, 0.08, h2km, n13km, n12, r136/22, 3C-3D, Northern Xinjiang

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like Ketmen, Jarkent, Podgomoye, etc.

IDC 03 19:52:59.4, 25.0, 18.87S, 173.27W, h0km, mb4.5/4, mb1.4/6/4, mb1mx3.9/35, mbtmp4.5/4, Error ellipse: s-maj=46.3km s-min=14.7km az=74.0

ISCJB 03 19:53:13.4, 0.7, 16.9S, 0.2, 175.3W, 0.2, h35km, mb4.7/9, Error ellipse: s-maj=38.4km s-min=16.1km az=156.4

NEIC 03 19:53:13.1, 1.5, 17.97S, 174.67W, h35km, mb4.8/5, Error ellipse: s-maj=106.0km s-min=13.2km az=152.0

ISC 03 19:53:15.4, 1.0, 17.2S, 0.3, 175.0W, 0.2, h35km, n13, r172/13, mb4.5/9, Tonga Islands

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like Charters Tower, Stephens Creek, etc.

ISCJB 03 19:53:17.8, 0.3, 10.93S, 0.06, 164.78E, 0.05, h31km, mb4.6/39, MS3.8/13, Error ellipse: s-maj=8.7km s-min=6.8km az=157.6

BUI 03 19:53:17.3, 1.0, 29S, 164.75E, h13km, mb4.9/18, mb5.1/6, Ms5.1/1, Ms7.4/8/1

NEIC 03 19:53:21.0, 1.0, 10.86S, 164.80E, h44km, 9km, mb4.8/22, Error ellipse: s-maj=8.2km s-min=6.4km az=136.0

IDC 03 19:53:20.8, 2.9, 10.95S, 164.82E, h44km, 25km, mb4.2/17, mb1.4/3/19, mb1mx4.2/37, mbtmp4.4/19, ML4.7/2, MS3.8/15, Ms1.3/8/15, ms1mx3.5/29, Error ellipse: s-maj=18.6km s-min=17.1km az=95.0

ISC 03 19:53:19.6, 0.4, 10.86S, 0.07, 164.85E, 0.07, h31km, n98, c0597/86, mb4.7/39, MS3.9/13, Santa Cruz Islands region

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like Honiara, Mont Dzumak, etc.

λ=14.00000°, NP2=1.00000°, δ=2.00000°, λ=127.00000°,
ISCJB 03.20:31:10.8,0.5,39.56N,0.03:140.48E,0.04,h16km,4km,
mb3.7/10,MS3.2/2,Error ellipse: s-maj=5.1km
s-min=4.7km az=26.9

JMA 03.20:31:10.8,39.57N:140.49E,h9km,1km,M4.1
Broadband fault plane solution: P waves. NP1:
e=2.00000°,δ=4.00000°,λ=164.00000°. NP2:φ=270.00000°,
δ=74.00000°,λ=7.00000°. Principal axes: T Plg7.0000°,
Az=135.0000°,N Plg72.0000°,Az=22.0000°,P
Plg16.0000°,Az=227.0000°.

JMA Felt J1
IDC 03.20:31:10.5,0.8,39.63N:140.38E,h0km,mb3.7/10,
mb1.3/9/13,mb1mx3.7/46,mbtmp3.7/13,ML3.0/3,MS3.1/6,
ms1.3/1.6,ms1mx2.8/39 Error ellipse: s-maj=26.6km
s-min=16.3km az=110.0

ISC 03.20:31:11.5,0.9,39.56N:0.03:140.51E,0.03,h10km,6km,
n31,φ=1567/33,mb3.9/10,3C-3D,Eastern Honshu

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists stations like Rokugo, Yuwa, Ohasama, Hinai, Kaneyama, Ichinoseki, Matsushiro, etc.

GUC 03.21:02:07.5,0.6,31.17S:68.68W,h128km,52km,ML3.5
SJA 03.21:02:07.8,0.5,31.44S:68.30W,h109km,2km,ML3.5,
MW3.5

ISCJB 03.21:02:08.3,0.6,31.45S:0.03:68.28W,0.04,h113km,7km,
Error ellipse: s-maj=6.5km s-min=4.3km az=31.1

ISC 03.21:02:09.3,1.4,31.44S:0.03:68.30W,0.04,h105km,8km,
n25,φ=956/40,San Juan Province

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists stations like Cerro Villicun, Zonda, Cerro Valdivia, etc.

CYA Choya 3.69 37 eP Pn 21 03 03.8 -0.7
CYA comp=Z,40nm,0.2s IAML 21 03 46.9

IDC 03.21:04:03.4,1.8,6.77N:126.81E,h0km,mb3.6/4,
mb1.3/8.4,mb1mx3.4/44,mbtmp3.6/4,MS3.3/1,Ms1.3/3.1,
ms1mx2.4/37,Error ellipse: s-maj=46.8km s-min=18.0km
az=44.0

ISCJB 03.21:04:11.0,0.9,6.50N:0.08:126.4E,0.1,h68km,mb3.4/4,
Error ellipse: s-maj=19.9km s-min=7.4km az=152.1

ISC 03.21:04:12.8,1.1,6.52N:0.09:126.3E,0.1,h68km,n9,
φ=1534/11,mb3.5/4,1C,Mindanao

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists stations like Davao City, Musatan, Cotabato-PC H, etc.

IDC 03.21:13:11.7,0.8,66.77N:23.91E,h0km,mb1.3/4.5,
mb1mx3.1/46,mbtmp3.4/5,ML2.4/3,Error ellipse:
s-maj=15.5km s-min=6.9km az=98.0

NAO 03.21:13:11.0,1.0,66.83N:23.86E,ML2.6,
BER 03.21:13:12.6,4.6,66.80N:23.88E,h0km,12km,ML1.6,
ML2.6(NAO)

UPP 03.21:13:12.6,0.8,66.82N:23.56E,h5km,5km,ML2.8,
ISCJB 03.21:13:13.0,0.5,66.79N:0.01:23.65E,0.05,h23km,4km,
Error ellipse: s-maj=3.2km s-min=2.3km az=173.3

KOLA 03.21:13:14.9,67.35N:24.00E,h0km
ISC 03.21:13:11.7,1.2,66.84N:0.02:23.60E,0.02,h17km,6km,
n71,φ=282/137,2C-3D,Sweden

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists stations like Ertsejaerv, Tornio, Kalix, etc.

HEF Hetta 1.58 1 eP Pn 21 14 00.7 +0.8
HEF comp=Z,26nm,0.1s IAML 21 14 03.6

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Lists stations like KUA, Kurraavaara, etc.

MSF Maasselka 2.38 110 eP Pn 21 13 51.9 +2.1
MSF comp=Z,14nm,0.5s IAML 21 14 25.2

KIF Kilpisjarvi 2.42 335 eP Pn 21 13 54.5 -0.1
KIF comp=Z,34nm,0.2s IAML 21 14 27.7

KIF Kilpisjarvi 2.42 335 eP Pn 21 13 53.8 -0.8
KIF comp=Z,34nm,0.2s IAML 21 14 27.7

BURU Burvik 2.44 203 eP Pn 21 13 57.2 +2.1
BURU comp=Z,19nm,0.1s IAML 21 14 31.0

VRF Vario 2.51 66 eP Pn 21 14 25.8 +1.9
VRF comp=Z,19nm,0.1s IAML 21 14 31.0

OUF Merjarvi 2.52 169 eP Pn 21 13 54.4 +2.7
OUF comp=Z,20nm,0.1s IAML 21 14 31.8

KU6 Rieikki 2.66 105 eP Pn 21 13 55.4 +1.8
KU6 comp=Z,0.7nm,0.1s IAML 21 14 39.6

ARA0 ACCESS Array S 2.80 14 Pn Pn 21 13 58.0 +2.4
ARA0 comp=Z,7.9nm,0.1s IAML 21 14 39.6

ARA0 ACCESS Array S 2.80 14 Pn Pn 21 13 58.0 +2.4
ARA0 comp=Z,3.3nm,0.3s,ba=192,slow=14,SNR=53 IAML 21 14 39.6

ARA0 ACCESS Array S 2.80 14 Pn Pn 21 13 58.0 +2.4
ARA0 comp=Z,3.3nm,0.3s,ba=192,slow=14,SNR=53 IAML 21 14 39.6

ARA0 ACCESS Array S 2.80 14 Pn Pn 21 13 58.0 +2.4
ARA0 comp=Z,3.3nm,0.3s,ba=192,slow=14,SNR=53 IAML 21 14 39.6

KEV Kevo 3.19 22 Pn Pn 21 14 03.2 +2.2
KEV comp=Z,0.7nm,0.1s IAML 21 14 40.6

TRO comp=Z,15nm,0.4s IAML 21 14 56.3

STEI Steigen 3.41 293 eP Pn 21 14 05.9 +2.0
MOR8 Moll Rana 3.73 264 eP Pn 21 14 08.9 +1.9
AP40 Apoll Array 3.74 74 S Pn 21 14 02.7 +1.7

HAMF Hammerfest 3.82 0 eP Pn 21 14 11.7 +2.1
VAF Vllstora 3.83 186 eP Pn 21 14 12.3 +2.6
KONS Kongsvik 4.18 270 eP Pn 21 14 16.9 +2.4
SUM Surninainen 4.28 164 eP Pn 21 14 19.0 +3.2

KEF Keuruu 4.27 173 eP Pn 21 15 02.5 +3.1
HEMU Hemsoen 4.81 212 eP Pn 21 15 17.6 +1.4
KAF Kangasniemi 4.89 165 eP Pn 21 15 18.5 +0.3

JOES Joensuu 5.12 137 eP Pn 21 14 30.1 +2.6
NAMS Namsos 5.32 250 eP Pn 21 14 31.8 +1.5
FINES FINESS Array B 5.52 168 eP Pn 21 14 35.7 +2.8

FINES FINESS Array S 5.52 168 eP Pn 21 13 36.2 +0.3
FINES FINESS Array S 5.52 168 Pn Pn 21 14 36.1 +3.1
FINES FINESS Array S 5.52 168 Pn Pn 21 15 36.5 +0.6

FINES FINESS Array B 5.52 168 Pn Pn 21 14 36.0 +3.1
FINES FINESS Array S 5.52 168 Pn Pn 21 13 34.8 -1.1
FINES FINESS Array S 5.52 168 Pn Pn 21 15 59.3

RAF Rauma 5.89 189 eP Pn 21 14 40.2 +2.2
RAF Rauma 5.89 189 eS Pn 21 15 46.2 +2.2
RAF Rauma 5.89 189 AML AML 21 16 15.4

RAF Rauma 5.89 189 AML AML 21 16 21.8
MEF Metsahovi 6.66 177 eP Pn 21 14 51.7 +3.3
MEF Metsahovi 6.66 177 AML AML 21 15 25.0

MEF Metsahovi 6.66 177 AML AML 21 16 03.4 -0.4
MEF Metsahovi 6.66 177 AML AML 21 16 05.1
MEF Metsahovi 6.66 177 AML AML 21 16 43.7

NB2 NORRSUBARRA 7.96 229 Pn Pn 21 15 07.4 +1.0
NB2 NORRSUBARRA 7.96 229 Pn Pn 21 16 34.1 -1.8
NB2 NORRSUBARRA 7.96 229 Pn Pn 21 15 07.4 +1.0

NB2 NORRSUBARRA 7.96 229 Pn Pn 21 16 34.1 -1.8
NOA NORRSUBARRA 7.96 229 Pn Pn 21 15 06.7 +0.3
NOA NORRSUBARRA 7.96 229 Pn Pn 21 16 33.9 -2.0

HFS Hagfors 8.04 218 Pn Pn 21 15 08.4 +0.9
HFS Hagfors 8.04 218 Pn Pn 21 17 26.9
HFS Hagfors 8.04 218 Pn Pn 21 15 08.2 +0.7

HFS Hagfors 8.04 218 Pn Pn 21 16 36.1 -1.8
HFS Hagfors 8.04 218 Pn Pn 21 17 19.7
HFS Hagfors 8.04 218 Pn Pn 21 15 08.2 +0.7

NRA0 NORESS ARRAY S 8.11 227 Pn Pn 21 15 09.2 +0.8
NRA0 NORESS ARRAY S 8.11 227 Pn Pn 21 16 37.3 -2.2
NRA0 NORESS ARRAY S 8.11 227 Pn Pn 21 17 24.2

NRA0 NORESS ARRAY S 8.11 227 Pn Pn 21 15 09.2 +0.8
NRA0 NORESS ARRAY S 8.11 227 Pn Pn 21 16 37.3 -2.2
NRA0 NORESS ARRAY S 8.11 227 Pn Pn 21 17 24.2

MTSE Matsula 8.15 179 eS Pn 21 16 39.4 -1.2
VSU Vasula 8.53 169 eS Pn 21 16 46.5 -3.3
VSU comp=N,46nm,0.6s IAML 21 17 40.4

VSU comp=N,46nm,0.6s IAML 21 17 47.5
VSU comp=E,38nm,0.4s IAML 21 17 48.9
KLMR Klimovskoe 9.22 123 eP Pn 21 16 03.4 +4.0

KLMR Klimovskoe 9.22 123 eP Pn 21 16 09.6 -7.2
KLMR Klimovskoe 9.22 123 eS Pn 21 16 59.6 -7.2
KLMR Klimovskoe 9.22 123 eS Pn 21 16 59.6 -7.2

MEX 03.21:22:46.1,0.7,18.11N:103.36W,h20km,141km,MD3.5,
Near coast of Michoacan
Code Station Name Δ° AZ' Phase ID Time Res ISC

3d 22h

Table with columns: STA, LHA, 55.38 78 eP, P, 21 49 53.2 +1.5, etc. Includes stations like LHA, SONM, CD2, HHC, etc.

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

MEX 03 21:40:37.1-0.3, 14'21N-92'08W, h55km, 52km, MD3.8, Near coast of Chiapas

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

ISCJB 03 21:42:37.9-0.4, 46:07N, 0:02:14.40E, 0:03, h13km, 3km, Error ellipse: s-maj=3.4km s-min=2.8km az=22.7

VIE 03 21:42:38.4-0.7, 46:08N, 14:43E, h7km, 20km, mb1.3/2, m1.5/3, Error ellipse: s-maj=1.9km s-min=1.6km az=126.0

LJU 03 21:42:38.1, 46:07N, 14:41E, h11km, ML1.4, ISC 03 21:42:38.2-0.9, 46:07N, 0:02:14.40E, 0:02, h10km, 5km, n39, c054/64, 3C-2D, Northwestern Balkan Peninsula

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

GBAS Gorenja Brezov, 0.14 167 i Pg Sg 21 42 41.4 +0.1, 21 42 43.8 +0.3

VNDS Vrh nad Dolski, 0.21 81 i Pg Sg 21 42 43.0 +0.3, 21 42 45.9 +0.3

MOZS Mozjanca, 0.23 8 i Pg Sg 21 42 43.5 +0.6, 21 42 43.5 +0.6

JAVS Javornik, 0.29 233 i Pg Sg 21 42 44.2 +0.2, 21 42 48.5 +0.6

CEY Cerknica, 0.33 176 ePg Sg 21 42 44.8 +0.1, 21 42 49.8 +0.7

VOJS Vojsko, 0.36 265 i Pg Sg 21 42 45.4 +0.1, 21 42 51.3 +1.2

GORS Gorjuse, 0.38 312 i Pg Sg 21 42 45.7 +0.1, 21 42 45.7 +0.1

VISS Visnje, 0.41 130 ePg Sg 21 42 46.4 +0.2, 21 42 46.4 +0.2

PKDS Podkum, 0.42 91 i Sg Sg 21 42 52.5 +0.6, 21 42 52.5 +0.6

OBKA Obkir, 0.45 13 ePg Sg 21 42 47.3 +0.2, 21 42 53.6 +0.5

2012 DEC

Table with columns: STA, LHA, 2.85 8 eS, S, 22 06 38.0 -2.4, etc. Includes stations like PAU, KDR, etc.

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

MEX 03 22:25:40.9-0.4, 13'38N-92'49W, h16km, 94km, MD4.0, Off coast of Chiapas

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

IDC 03 22:25:39.4-2.6, 28:90S, 176:09W, h0km, mb3.8/4, mb1.4/0.6, mb1mx3.9/25, mbtmp4.0/6, ML3.7/2, Error ellipse: s-maj=45.5km s-min=37.9km az=143.0

ISCJB 03 22:25:43.0-1.7, 29:15S, 0:17:17.6W, 0:2, h38km, n8, mb3.9/4, Error ellipse: s-maj=18.2km s-min=13.6km

ISC 03 22:25:45.6-1.7, 29:15S, 0:17:17.6W, 0:2, h38km, n8, mb3.9/4, Kermadec Islands region

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

RAO Raoul Island, 1.56 265 Pn Sg 22 26 10.7 -0.1, 22 26 30.3 +0.6

URZ Urewera, 10.70 210 Pn Sg 22 28 16.3 0.0, 22 28 14.3 -0.4

RPZ Rata Peaks, 17.81 219 S Sg 22 29 51.5 +0.7, 22 32 36.6 +0.1

CTA Charters Tower, 35.23 276 P P 22 32 36.6 +0.1, 22 32 46.5 +0.4

STKA Stephens Creek, 36.36 255 P Sg 22 32 46.5 +0.4, 22 33 55.5 -0.6

ASAR Alice Springs, 44.81 265 P Sg 22 33 55.5 -0.6, 22 34 01.6 -1.4

WRA Warumunga Arr, 45.69 270 P Sg 22 34 01.6 -1.4, 22 34 16.1 +0.6

FINES Finlayson Array B, 144.47 342 PKP PKPab 22 45 16.1 +0.6

TAP 03 22:28:21.4, 24:79N, 122:17E, h3km, 1km, ML3.0, D ISCJB 03 22:28:21.0-0.4, 24:79N, 122:24E, 0:02, h9km, 3km, Error ellipse: s-maj=3.6km s-min=2.7km az=12.8

JMA 03 22:28:23.0, 24:73N, 122:15E, h30km, 4km, M2.7, ISC 03 22:28:22.2-1.0, 24:79N, 122:17E, 0:02, h16km, 8km, n40, c073/62, Taiwan region

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

122

Table with columns: STA, LHA, 0.80 244 eS, Sg, 22 28 47.9 +0.2, etc. Includes stations like JYNG, NNSB, etc.

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

NACB Ninganchiao, 0.81 221 eP Pb 22 28 39.4 -0.1, 22 28 50.4 -0.1

NACB Pengchayiu, 0.84 354 eP Pn 22 28 40.2 +0.8, 22 28 38.6 -0.4

TWD Twanwan, 0.88 217 P Pb 22 28 52.7 +0.4, 22 28 42.1 -0.4

WHF Hehuan Shan, 1.05 232 P Pg 22 28 42.1 -0.4, 22 28 57.8 +0.8

TWT Tachien, 1.05 240 eP Sg 22 28 42.3 -0.3, 22 28 59.3 +0.1

LIOB Emei, 1.06 263 eP Pg 22 28 44.6 +1.9, 22 28 43.9 +1.0

TDCB Chawan, 1.07 240 eP Sg 22 28 43.9 +1.0, 22 28 57.9 +0.7

NSST Nanjiang, 1.08 262 eP Sg 22 28 44.3 +1.3, 22 28 58.6 +1.4

CHGB Renai, 1.16 232 eP Pg 22 28 44.0 -0.7, 22 29 01.4 +1.4

ESL Shilin, 1.18 215 eP Pg 22 28 44.8 -0.3, 22 28 48.3 +0.1

IRIF Iriomote-Funau, 1.49 107 P Sg 22 29 02.7 -0.1, 22 29 11.4 0.0

HATJ Hateruma jima, 1.66 116 eS Sg 22 29 11.4 0.0, 22 29 13.6 -0.4

JKRS Kuro-shima, 1.76 108 P Sg 22 29 13.6 -0.4, 22 28 54.8 -0.7

JLJ Ishigaki jima, 1.84 103 P Sg 22 28 54.8 -0.7, 22 29 15.9 -0.2

JISG Ishigakijimahi, 1.96 95 P Sg 22 28 54.9 0.0

GUC 03 22:28:42.9-0.7, 31:47S, 69:42W, h119km, 23km, ML2.9, ISCJB 03 22:28:43.6-0.7, 31:49S, 69:43W, 0:04, h120km, 7km, Error ellipse: s-maj=5.4km s-min=4.6km az=177.3

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ENA, ENTT, NWLT, YM07, TATO, etc.

SGS 03 22:35:26.3, 15.09N, 41.77E, h7km
ISCJB 03 22:35:27.0, 15.04N, 0.05, 42.13E, 0.05, h10km
mb3.7/7, MS3.3/7, Error ellipse: s-maj=7.9km s-min=5.5km az=37.1

DHMR 03 22:35:27.8, 14.1, 91N, 42.21E, h21km, 14km, ML4.2
IDC 03 22:35:27.6, 0.9, 14, 99N, 42.11E, h0km, mb3.7/7
mb1 3.9/9, mb1mx3.6/47, mbtmtp3.8/9, ML3.2, MS3.2/10,
Ms1 3.2/10, ms1mx3.0/33, Error ellipse: s-maj=22.9km
s-min=16.1km az=81.0

ISC 03 22:35:28.0, 7.15, 08N, 0.03, 42.16E, 0.04, h10km, n29,
e238/34, mb3.7/7, MS3.4/7, 2C, Western Arabian

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

comp=N, 10nm, 18.3s, baz=280, slow=37
SONM Songo Array 61.71 44 P P 22 45 48.3 +1.0
comp=N, 0.5nm, 0.9s, baz=238, slow=8.3, SNR=3.3
BDFB Brasilia 94.13 255 LR LR 23 26 28.3
comp=N, 18nm, 20.6s, baz=165, slow=32

ISCJB 03 22:38:29.5, 1.3, 5.6S, 0.2, 151.4E, 0.2, h57km, mb3.8/7,
MS3.0/2, Error ellipse: s-maj=37.0km s-min=10.4km
az=34.9
IDC 03 22:38:31.6, 5.7, 5.6S, 0.2, 151.4E, h2km, 46km, mb3.6/8,
mb1 3.9/9, mb1mx3.7/33, mbtmtp4.0/9, ML2.9/1, MS3.0/4,
Ms1 3.0/4, ms1mx2.6/28, Error ellipse: s-maj=47.3km
s-min=25.7km az=108.0

ISC 03 22:38:30.1, 5.5, 7S, 0.2, 151.5E, 0.3, h57km, n13,
e671/12, mb3.7/7, New Britain region

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

UCR 03 22:47:57.2, 2.1, 11.53N, 86.21W, h16km, 6km, MD4.0,
ML2.7, Near coast of Nicaragua

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

GBS3 Finca Las Imt 1.05 135 I P P 22 48 15.9 -1.0
BOAB BOACO BROADBAND 0.30 30 P P 22 48 17.4 -0.0
GB1A Borinquen Arr 1.06 132 I P P 22 48 16.1 -1.1

NY14 Universidad de 1.10 143 I P P 22 48 17.1 -0.7
ACON Acopya 1.10 67 eP P 22 48 17.7 -0.2
GPS1 Guardaparques 1.13 132 I P P 22 48 17.1 -1.2

MEX 03 22:49:49.5, 0.5, 17.82N, 103.28W, h22km, 34km, MD3.6,
Near coast of Michoacan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MMIG, R15V, etc.

PGC 03 23:07:54.6, 0.0, 52.82N, 132.30W, h25km, ML3.5/9,
ML3.4/9, 57km southwest of Sandspit, Bc Haida Gwaii
Region, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HG1B, MOBC, etc.

MEX 03 23:22:11.6, 0.4, 18.61N, 103.47W, h51km, 6km, MD3.7,
Near coast of Michoacan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MMIG, R15V, etc.

BUI 03 23:27:01.0, 38.44N, 106.16E, h8km, ML3.6/16, Western
Nim Mongol

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

MEX 03 23:28:11.6, 0.4, 18.61N, 103.47W, h51km, 6km, MD3.7,
Near coast of Michoacan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MMIG, R15V, etc.

BUI 03 23:27:01.0, 38.44N, 106.16E, h8km, ML3.6/16, Western
Nim Mongol

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

MEX 03 23:28:11.6, 0.4, 18.61N, 103.47W, h51km, 6km, MD3.7,
Near coast of Michoacan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MMIG, R15V, etc.

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

ARO 03 23:55:54.1, 16.1N, 16.4E, 2E, 7.7, h15km, 99km, M4.2
DHMR 03 23:56:00.6, 1.7, 14, 98N, 42.00E, h3km, 25km, ML4.8
SGS 03 23:56:04.7, 15.12N, 42.22E, h11km
MOS 03 23:56:04.2, 0.9, 15.01N, 42.21E, h10km, mb4.6/33, Error
ellipse: s-maj=12.1km s-min=6.5km az=88.8

IDC 03 23:56:04.1, 0.7, 14.94N, 42.14E, h0km, mb4.1/16,
mb1 4.2/21, mb1mx4.0/57, mbtmtp4.0/21, ML3.2/3, MS3.5/10,
Ms1 3.5/10, ms1mx3.2/54, Error ellipse: s-maj=17.7km
s-min=13.1km az=79.0
NEIC 03 23:56:05.6, 0.3, 14.97N, 42.22E, h10km, mb4.4/15, Error
ellipse: s-maj=6.1km s-min=5.8km az=115.0

ISC 03 23:56:05.4, 1.0, 15.08N, 0.03, 42.15E, 0.04, h8km, 6km,
n140, e1761/149, mb4.4/51, 3C-5D, Western Arabian

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

UDYN Al Udayn 2.08 122 I P P 23 56 37.8 -2.9
UDYN J 2.11 20 P P 23 57 07.7 -1.7
JAZS Jizan 2.11 20 P P 23 56 37.6 -3.5

DAMU Dhamar BB 2.22 103 I P P 23 56 42.0 -0.8
DAMU Dhamar 2.23 103 eP P 23 56 45.7 -2.9
TRBA At Turbah 2.65 134 I P P 23 56 51.4 -1.2

ATD Arta Tunnel 3.59 169 eP P 23 56 59.1 -2.4
ATD Arta Tunnel 3.59 169 eS P 23 57 01.8 -1.2
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eS P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4
ATD Arta Tunnel 3.59 169 eP P 23 56 59.0 -2.4

3d 23h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Kiev, Malin Array Be, Piszketsto, Lanzhou, Kunming, Chengdu, Lanzhou, etc.

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Kunming, Chengdu, Lanzhou, Lanzhou, etc.

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Copaltepe, Tehuacan, Masaya, Laguna Verde, etc.

SNET 03 23:58:29.0, 0.14, 0.03N, 92:66W, h15km
UCR 03 23:58:30.5, 2.1, 13:97N, 92:37W, h9km, 34km, MD4.4,
ML4.7, mb5.5(NEIC)
GCMT 03 23:58:33.4, 0.2, 13:94N, 0:01:83:01W, 0:01, h20km, 1km,
MW5.3/103, Moment Tensor Solution, s90, c146;
s103, c202; Duration: 1s2 Moment tensor: Scale 1017
Nptr: Mn=0.29; 02; Mw=0.02; 02; Mw=0.30; 02;
Mw=0.25; 03; Mw=0.84; 01; Mw=1.02; 07; Best double
couple: Ms=1.34500; 1017; NP1=174.00000; 882.00000;
lambda=125.00000; NP2=275.00000; 836.00000; 14.00000;
Principal axes: T=1.1660, Plg42.0000; Azm117.0000;
N=0.3580, Plg34.0000; Azm349.0000; P=-1.5240,
Plg29.0000; Azm237.0000; nsta1 refers to body waves,
cutoff=40s. nsta2 refers to surface/mantle waves,
cutoff=50s. Triangular moment-rate function
ISCJB 03 23:58:34.7, 0.1, 14:22N, 92:02:92:36W, 0:01, h46km,
mb5.2/314, MS5.0/157 Error ellipse: s-maj=2.5km
s-min=1.5km az=38.4
MOS 03 23:58:34.9, 0.1, 14:24N, 92:34W, h39km, mb5.2/72,
MS5.1/33, Error ellipse: s-maj=9.6km s-min=4.3km
az=111.7
BUJ 03 23:58:35.5, 2.1, 16:60N, 92:30W, h45km, mb5.5/111, MS5.6/18,
MS7.5/418
NEIC 03 23:58:35.4, 0.1, 14:16N, 92:37W, h35km, mb5.3/299,
MS5.1/108, MD5.4(MEX), MD5.6(SNET), Error ellipse:
s-maj=2.9km s-min=2.1km az=218.0
NEIC Felt at Guatemala, Quetzaltenango, San Jose Chiquilaja
and San Pedro Sacatepequez. Felt (I) at Ahuachapan, El
Salvador.
IDC 03 23:58:35.2, 1.4, 14:23N, 92:27W, h65km, 19km, mb4.5/31,
Mw1.4/8/34, mb1mx4.6/4/5, mbmp4.8/34, MS4.9/34,
Ms1.4/9/34, ms1mx4.8/4/4, Error ellipse: s-maj=18.2km
s-min=8.1km az=54.0
MEX 03 23:58:38.0, 0.8, 14:34N, 92:75W, h16km, 21km, MD5.4
ISC 03 23:58:36.2, 0.3, 14:22N, 0:04:92:49W, 0:04, h46km,
n1176, e157/1134, mb5.2/315, MS5.1/158, 7C-3D, Near
coast of Chiapas

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc. Includes stations like THIG, TGIG, PCIG, APG, SBL, SBLN, SBLN, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Copaltepe, Tehuacan, Masaya, Laguna Verde, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like Oxford, Guantanamo Bay, NATX, BRAL, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ANIL, ABTX, ABTX, POPC, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like 156A, W39A, W39A, GDL2, etc.

3d 23h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like JSC, PARMO, W53A, HSIG, U47A, PAULI, V51A, V51A, TKL, TKL, TKL, TKL, T42A, T42A, T42A, U32A, U48A, T43A, T44A, 121A, V52A, V52A, T45A, 319A, U49A, V53A, V53A, T46A, KMSC, KMSC, U50A, T47A, T47A, S41A, U51A, S43A, S42A, U52A, S44A, SIUC, BNM, S45A, T49A, T49A, TZTN, TZTN, Y22D, T50A, FVM, LPM, S46A, CCM, CCM, CCM, CCM, U53A, LENM, S47A, T51A, R41A, R42A, S48A, USIN, R43A, LAZ, R44A, ANMO, ANMO, ANMO, ANMO, R45A, R46A, T52A, S49A, SLM, SLM, SLM, S50A, WCI, WCI, WCI, R47A.

2012 DEC

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like TUC, TUC, TUC, TUC, SS1A, SS1A, Q42A, Q41A, CNCC, CNCC, OLIL, Q43A, Q44A, R48A, SS2A, R49A, Q45A, R50A, K5U1, K5U1, T25A, T25A, Q47A, R51A, BLA, BLA, BLA, BLA, BLA, BLA, BLA, BLA, CBK5, CBK5, CBK5, Q48A, P44A, P41A, ATAH, ATAH, BLO, BLO, BLO, P43A, P45A, P45A, R52A, S49A, S49A, 214A, X18A, Q50A, P46A, P47A, O41A, P48A, O42A, W18A, W18A, Q51A, Q51A, P49A, SDCO, SDCO, MTP, Q52A, O45A, KSCO, KSCO, HDIL, HDIL, P50A, X16A, N41A, N41A, SFIN, SFIN, P51A, P51A, O47A.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like N39A, N39A, N40A, N42A, S22A, S22A, O48A, N44A, 113A, O49A, O49A, P52A, R58B, O50A, MVCO, MVCO, P53A, P53A, Y14A, N46A, Q24A, Q24A, M40A, M40A, M41A, M39A, WU4Z, WU4Z, WU4Z, N47A, ACSO, ACSO, ACSO, ACSO, O51A, M43A, N48A, CBN, CBN, CBN, O52A, O52A, PCRV, PCRV, BGNE, BGNE, SCIA, SCIA, SCIA, GLA, GLA, GLA, GLA, MCWV, M47A, PV01, L40A, L40A, L42A, L42A, L39A, L41A, Y12C, Y12C, PV13, PV02, OGNE, OGNE, OGNE, SMCO, PV05, ISCO, ISCO, ISCO, ISCO, PV03, M48A, PV18, PV12, N51A, PV11, PV17, PV16, PV19, PV20, L44A.

3d 23h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like Earthquake Lak, Virginia City, and various other stations.

2012 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like Newport, Lebanon, Chrisman Ranch, and various other stations.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like Eagle, Divide, Resolute Bay, and various other stations.

4d 1h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARCES ARCES Array B, NOA NORSTAR Array B, etc.

IDC 04 00:16:32.82.1, 4.61S, 151.52E, h0km, mb3.4/3, mb1 3.8/3, mb1mx3.4/46, mbtmp3.5/3, MS4.0/1, Ms1 4.0/1, ms1mx3.1/23, Error ellipse: s-maj=169.6km s-min=28.7km az=126.0, New Britain region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, NWAO Narrigin (SRO), ILAR Eielson Array.

ISCJB 04 00:16:58.3.0.4, 5.21S, 0.08E, 151.88E, 0.09, h35km, mb4.4/30, MS4.2/2, Error ellipse: s-maj=16.9km s-min=6.3km az=40.7

NEIC 04 00:17:00.7.0.8, 5.31S, 151.99E, h47km, 7km, mb4.7/9, Error ellipse: s-maj=12.7km s-min=5.0km az=128.0

IDC 04 00:17:02.42.2, 5.25S, 151.88E, h60km, 24km, mb4.1/20, mb1 4.2/21, mb1mx4.1/45, mbtmp4.2/21, ML2.2/1, MS3.9/4, Ms1 3.9/4, ms1mx3.3/34, Error ellipse: s-maj=26.9km s-min=11.9km az=130.0

ISC 04 00:17:00.1.0.7, 5.25S, 0.1E, 151.9E, 0.1, h35km, n58, r1519/61, mb4.5/29, New Britain region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RABL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

WRA Warramunga Arr 22.52 228 P 00 21 55.8 -1.2

WRA Warramunga Arr 22.52 228 P 00 21 55.8 -1.3

WRA Warramunga Arr 22.52 228 P 00 21 55.8 -1.3

WRA Warramunga Arr 22.52 228 P 00 21 55.8 -1.3

WRA Warramunga Arr 22.52 228 P 00 21 55.8 -1.3

AS01 Alice Springs 25.23 222 P 00 22 22.8 -0.2

AS31 Alice Springs 25.23 222 P 00 22 22.8 -0.2

AS31 Alice Springs 25.23 222 P 00 22 22.8 -0.2

ASAR Alice Springs 25.26 222 P 00 22 22.6 -0.8

ASAR Alice Springs 25.26 222 P 00 22 22.6 -0.8

BATI Baumata 28.44 256 LR 00 36 37.4

FITZ Fitzroy Crossi 28.70 241 P 00 22 53.0 -1.2

CM01 Chiang Mai Arr 57.25 296 P 00 26 46.4 +1.9

CMAR Chiang Mai Arr 57.27 296 P 00 26 44.6 -0.2

PETK Petropavlovsk 58.31 3 P 00 26 51.9 +0.5

PEA1 Petropavlovsk 58.31 3 P 00 26 51.9 +0.5

SONA0 Songino Array 66.22 328 P 00 27 44.3 -0.4

SONM Songino Array 66.22 328 P 00 27 44.3 -0.4

ANM Nome 76.43 18 P 00 28 46.5 +0.7

KDAK Kodiak Island 76.94 27 P 00 28 49.3 +0.5

MK01 Makanchi Array 80.06 319 P 00 29 06.7 +0.4

2012 DEC

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UDYUN AI Udayn, TRBA At Turbah, BDHA Al Bayda'.

THR 04 00:21:42.7.0.9, 30.49N, 57.24E, h14km, 7km, ML3.6

ISCJB 04 00:21:43.6.0.4, 30.45N, 0.03E, 57.27E, 0.05, h15km, mb3.2/3, Error ellipse: s-maj=6.2km s-min=4.2km az=7.8

TEH 04 00:21:43.3.0, 52N, 57.28E, h10km, ML3.7

IDC 04 00:21:48.6.2.1, 30.48N, 57.87E, h83km, 29km, mb3.1/3, mb1 3.1/5, mb1mx2.9/53, mbtmp3.4/5, Error ellipse: s-maj=24.2km s-min=15.3km az=92.0

ISC 04 00:21:43.7.0.3, 30.50N, 0.04E, 57.31E, h15km, n37, r207/41, mb3.3/3, Northern and central Iran

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHMN Cheshime madani, TVBK TV Kerman, NGRK Negar Kerman.

NGRK Negar Kerman 0.99 211 IAMB Iamb 00 22 02.8 -0.6

IKOO Kooshah 2.40 37 ePn Pn 00 22 24.4 +1.7

IMEH Mehriz 2.48 292 ePn Pn 00 22 24.5 +0.7

TPRV Parvadeh(Tabas) 2.57 348 ePn Pn 00 22 26.2 +1.2

ITEG Tejag 2.68 27 ePn Pn 00 22 27.7 +1.1

NIAN Nian 2.96 188 ePn Pn 00 22 31.8 +1.5

YZKH Yazd 2.99 310 eSg Pn 00 22 31.7 +1.6

YAZD Yazd 2.99 310 ePn Pn 00 22 31.7 +1.6

IKCH Chekchek 3.03 306 ePn Pn 00 22 33.3 +1.9

TKDS Koohdasht(Taba) 3.10 357 ePn Pn 00 22 33.2 +0.9

IDAH Dahanechah 3.12 44 ePn Pn 00 22 34.9 +2.3

TABS Tabas 3.14 357 ePn Pn 00 22 34.1 +1.3

TABS Tabas 3.14 357 ePn Pn 00 22 34.1 +1.3

TABS Tabas 3.14 357 ePn Pn 00 22 34.1 +1.3

IMON Monand 3.35 36 ePn Pn 00 22 38.1 +2.3

ISAD Sadrabad 3.41 295 ePn Pn 00 22 38.1 +1.5

TNSJ Nastanj 3.50 350 ePn Pn 00 22 38.9 +1.2

SHRT Shahrakht 4.03 38 ePn Pn 00 22 42.7 +2.3

SHRT Shahrakht 4.03 38 ePn Pn 00 22 42.7 +2.3

SHRT Shahrakht 4.03 38 ePn Pn 00 22 42.7 +2.3

IRAM Rameshsh 4.42 288 ePn Pn 00 22 51.5 +1.0

IRAM Rameshsh 4.42 288 ePn Pn 00 22 51.5 +1.0

IRAM Rameshsh 4.42 288 ePn Pn 00 22 51.5 +1.0

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

ISK 04 01:02:31.6, 37.33N, 37.10E, h6km, ML2.4/5

ISCJB 04 01:02:32.1, 0.5, 37.30N, 0.03E, 37.12E, 0.04, h4km, 5km, Error ellipse: s-maj=5.6km s-min=3.8km az=136.9

DDA 04 01:02:33.0, 37.35N, 37.09E, h7km, MI3.3

ISC 04 01:02:32.1, 0.9, 37.33N, 0.03E, 37.12E, 0.03, h7km, 6km, n16, r057/27, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KHMM Nari-Kahraman, GAZ Gaziantep, KMR5 Kahramanmaras.

KHMM Nari-Kahraman 0.07 24 PG Pg 01 02 33.9 -0.1

GAZ Gaziantep 0.17 156 PG Pg 01 02 35.7 0.0

KMR5 Kahramanmaras 0.25 315 PG Pg 01 02 38.5 +0.4

KUZU Kuzuni 0.56 184 I Pn 01 02 40.4 +0.1

ANDN Andirin 0.67 292 I Pn 01 02 44.7 -0.3

KAHRAMANMARAS099 0 Pn 01 02 55.1 -0.6

ELB5 Elazir 1.01 123 I Pn 01 03 12.4 +0.3

KOZAN Kozan 1.04 279 PG Pg 01 02 52.3 -0.2

SAIM Adana 1.05 308 I Pn 01 02 52.5 -0.2

AKCAD Akcadag 1.15 319 I Pn 01 03 08.0 -0.2

TAHTAKOPRU-HAT 1.21 23 PG Pg 01 02 54.5 +0.3

DARE Darendemalaty 1.27 13 PN Pn 01 02 55.3 -0.1

SURC SANLIURFA_SURC 1.27 110 I Pn 01 02 55.1 -1.3

URFA Urfa 1.36 85 PN Pn 01 03 11.9 -1.1

GURIN Gurin_SVAS 1.40 5 I Pn 01 02 59.0 0.0

SANLIURFA_Merk 1.50 96 I Pn 01 03 17.1 +0.2

BUNYAN Bunyan 1.82 327 PN Pn 01 03 19.7 +0.5

MRB 04 01:12:15.9, 0.5, 42.80N, 2.12E, h7km, 3km, ML2.4/19, Error ellipse: s-maj=1.5km s-min=0.9km az=252.0

MDD 04 01:12:16.2, 0.2, 42.81N, 2.13E, h6km, 2km, mbLg2.6/16, Error ellipse: s-maj=2.0km s-min=1.7km az=101.0

PRXIMO PRXIMO 04 01:12:16.2, 0.3, 43.1N, 2.1E, h6km, 2km, M3.7/6, mb4.4/1, ML3.3/6

LDG 04 01:12:16.2, 0.1, 42.80N, 2.14E, h5km, Md3.1/7, MI3.3/25, Error ellipse: s-maj=1.4km s-min=1.1km az=121.0

ISC 04 01:12:14.8, 0.6, 42.84N, 0.01E, 2.17E, 0.01, h15km, 4km, n153, r159/252, 2C-10, Pyrenees

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FNEB N'bias, FNEB N'bias, etc.

FNEB N'bias 0.08 327 PG Pg 01 12 18.2 +0.3

MEX 04 00:17:38.2, 0.4, 13.82N, 92.76W, h25km, MD3.8, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PCIG Pacing, TGIG Tacing.

DHMR 04 00:18:32.7, 0.8, 15.11N, 42.00E, h8km, 10km, ML3.9, Red Sea

DHMR 04 00:26:57.2, 1.6, 14.95N, 42.19E, h12km, 23km, ML3.9, Western Arabian Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DHBB Dhamar BB, TRBA At Turbah, BDHA Al Bayda'.

IDC 04 00:31:46.8, 2.3, 5.38S, 152.49E, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.6/49, mbtmp3.7/4, MS4.1/1, Ms1 4.1/1, ms1mx2.9/31, Error ellipse: s-maj=142.6km s-min=26.1km az=130.0, New Britain region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi.

WRA Warramunga Arr 22.83 229 P 00 36 49.9 -1.7

MEX 04 00:57:22.7, 0.4, 16.33N, 97.86W, h2km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CORG Organya, CPAL Palau Saverder, etc.

CORG Organya 0.87 226 PG Pg 01 12 31.3 -0.4

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like CFON Fontmartina, CCAS Cassa de la Se, CTRE Trempe, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like EALK, SMRF Simiane la Rot, EARA Aranguren, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, and other parameters. Includes sections for Turkey, Honshu, Western Caroline Islands, Arabian Peninsula, and Iceland.

KS15	Wonju Array Si	17.58 319	ePn	P	01 45 10.2 +1.2
KSAR	Wonju Array Be	17.58 319	P	Pn	01 45 10.2 +1.2
YULB	Yu-li	19.30 270	eP	Pn	01 45 28.9 -0.2
9.1nm,0.8s					
USA0B	Ussuriysk Arra	21.03 339	eP	P	01 45 45.5 -1.2
5.9nm,0.8s					
USRK	Ussuriysk Ar.	21.03 339	P	P	01 45 46.4 -0.3
2.6nm,0.5s,baz=146,slow=13,SNR=9.3					
H11S3	WAKE ISLAND Hy	23.45 101	T	T	02 09 59.5
baz=291,slow=74,SNR=3.6					
H11S1	WAKE ISLAND Hy	23.45 101	T	T	02 09 57.3
baz=291,slow=74,SNR=3.6					
H11S2	WAKE ISLAND Hy	23.47 101	T	T	02 09 57.3
baz=291,slow=74,SNR=3.6					
KLR	Kul'dur	25.67 344	P	P	01 46 33.0 +0.3
8.1nm,0.8s,baz=154,slow=8.8,SNR=16					
JAY	Jayapura	27.31 184	LR	LR	01 56 03.6
comp=Z,217nm,19.7s,baz=359,slow=33					
SONA0	Songino Array	36.43 318	eP	P	01 48 07.2 -0.7
SONA1	Songino Array	36.43 318	eP	P	01 48 08.0 +0.2
SONM	Songino Array	36.43 318	eP	P	01 48 07.2 -0.7
1.7nm,0.7s,baz=119,slow=6.3,SNR=7.4					
CM31	Chiang Mai Arr	40.74 270	eP	P	01 48 44.2 0.0
CMAR	Chiang Mai Arr	40.74 270	eP	P	01 48 44.2 0.0
0.5nm,0.3s,baz=91,slow=8.1,SNR=2.7					
WRAB	Tennant Creek	45.25 191	eP	P	01 49 20.6 0.0
6.0nm,0.9s					
WB2	Warramunga Arr	45.26 191	eP	P	01 49 20.6 -0.1
WR1	Warramunga Arr	45.26 191	eP	P	01 49 20.3 -0.3
7.7nm,0.9s					
WRA	Warramunga Arr	45.26 191	P	P	01 49 20.3 -0.3
3.3nm,0.7s,baz=10,slow=8.8,SNR=13					
FITZ	Fitzroy Cross	47.75 302	P	P	01 49 25.4 +0.9
1.1nm,0.5s,baz=33,slow=8.5,SNR=5.4					
AS01	Alice Springs	48.97 190	eP	P	01 49 49.3 -0.3
AS31	Alice Springs	48.98 190	eP	P	01 49 49.2 -0.5
0.9nm,0.5s					
AS31	Alice Springs	48.98 190	ePcP	PcP	01 51 12.6 -1.2
ASAR	Alice Springs	48.98 190	P	P	01 49 49.2 -0.5
0.5nm,0.7s,baz=15,slow=14,SNR=7.3					
ASAR	Alice Springs	48.98 190	PcP	PcP	01 51 12.6 -1.2
0.5nm,0.8s,baz=15,slow=3.9,SNR=3.3					
ZALV	Zalesovo Beam	51.26 320	P	P	01 50 06.6 -0.1
0.6nm,0.4s,baz=104,slow=6.3,SNR=4.9					
ZALV	Zalesovo Beam	51.26 320	PcP	PcP	01 51 19.9 -1.9
0.7nm,0.5s,baz=66,slow=3.6,SNR=3.6					
ZAA1	Zalesovo Array	51.27 320	ePcP	PcP	01 50 06.6 -0.1
MAK32	Makanchi Array	52.02 311	ePcP	PcP	01 50 13.0 +0.5
MAK32	Makanchi Array	52.02 311	ePcP	PcP	01 51 24.3 -0.4
MAKAR	Makanchi Array	52.02 311	P	P	01 50 13.0 +0.5
0.3nm,0.5s,baz=89,slow=10,SNR=10					
MKAR	Makanchi Array	52.02 311	PcP	PcP	01 51 24.3 -0.4
0.5nm,0.6s,baz=87,slow=3.6,SNR=4.6					
KURK	Kurchatov	54.65 316	eP	P	01 50 32.2 +0.4
KURBB	Kurchatov Arra	54.70 316	P	P	01 50 32.2 +0.1
1.5nm,0.5s,baz=91,slow=8.2,SNR=16					
STKA	Stevens Creek	56.47 181	P	P	01 50 44.5 -0.4
2.5nm,0.8s,baz=18,slow=13,SNR=3.3					
STKA	Stevens Creek	56.47 181	eP	P	01 50 44.5 -0.4
1.1nm,1.0s					
MWHA	Mukuawowe	57.28 82	eP	P	01 50 53.7 +2.1
233nm,1.0s					
BVAR	Borovoye Array	59.78 318	P	P	01 51 07.9 -0.1
2.0nm,0.4s,baz=93,slow=7.6,SNR=12					
BRVK	Borovoye	59.84 318	eP	P	01 51 08.5 +0.1
8.3nm,0.8s					
KK31	Karatay Array	60.52 307	eP	P	01 51 14.2 +0.9
KKAR	Karatay Array	60.52 307	eP	P	01 51 14.2 +0.9
ABKR	Abkuli Array	66.75 315	eP	P	01 51 54.3 0.0
ARAD	ARCCESS Array S	75.66 341	P	P	01 52 48.1 +0.2
ARCAS	ARCCESS Array B	75.66 341	P	P	01 52 48.1 +0.2
15nm,0.6s,baz=356,slow=11,SNR=2.4					
FIAD	FINESSE Array S	79.98 334	eP	P	01 53 12.4 +0.4
FINES	FINESSE Array B	79.98 334	eP	P	01 53 12.4 +0.4
2.4nm,0.6s,baz=32,slow=5.5,SNR=5.1					
TAM	Tamanrasset	116.75 315	ePdif	Pdif	01 56 01.5 -2.0
PLCA	Paso Flores	148.37 128	PKPbc	PKPbc	02 00 49.0 -0.7
1.5nm,0.6s,baz=284,slow=2.8,SNR=7.6					

SKT	Palmer	0.87 68	eSn	Sn	01 43 16.4 +1.0
PMP	Palmer	0.87 68	ePn	Pn	01 43 04.0 -0.6
PMP	Palmer	0.87 68	eSn	Pn	01 43 14.0 -3.1
PMP	Palmer	0.87 68	eSn	Pn	01 43 17.4 +0.3
PMR	Palmer	0.87 68	eP	Pn	01 43 04.0 -0.6
PMR	Palmer	0.87 68	eP	Pn	01 43 17.4 +0.3
SPNN	North Nagishla	0.91 277	ePn	Pn	01 43 05.1 -0.2
SPNN	North Nagishla	0.91 277	eSn	Pn	01 43 18.7 +0.4
GHO	Glory Hole Crk	1.04 60	eSn	Pn	01 43 06.8 +0.1
GHO	Glory Hole Crk	1.04 60	eSn	Pn	01 43 20.2 -0.7
RDT	Redoubt	1.05 229	P	Pn	01 43 06.3 -0.6
DRF	Drift River	1.14 234	P	Pn	01 43 07.4 -0.3
KNK	Knik Glacier	1.15 82	ePn	Pn	01 43 07.8 -0.3
KNK	Knik Glacier	1.15 82	eSn	Pn	01 43 21.4 -1.9
RDN	Redoubt North	1.22 232	ePn	Pn	01 43 08.6 -0.5
RD	Redoubt South	1.25 230	P	Pn	01 43 09.2 -0.4
RDW	Redoubt West	1.26 232	P	Pn	01 43 09.2 -0.4
RDW	Redoubt West	1.26 232	S	Pn	01 43 25.2 +0.1
PWL	Port Wells	1.28 108	ePn	Pn	01 43 09.0 -0.8
RWD	Redoubt Volcan	1.28 229	P	Pn	01 43 09.7 -0.3
RED	Redoubt	1.28 229	S	Pn	01 43 26.7 +0.1
SML	Sawmill	1.31 65	ePn	Pn	01 43 09.8 -0.4
SML	Sawmill	1.31 65	ePn	Pn	01 43 25.1 -1.9
SML	Sawmill	1.31 65	eP	Pn	01 43 09.8 -0.4
SEW	Seward	1.35 150	ePn	Pn	01 43 09.9 -0.8
SEW	Seward	1.35 150	eSn	Pn	01 43 26.0 -2.0
BRKL	Bradley Lake	1.51 181	ePn	Pn	01 43 12.3 -0.6
BRKL	Bradley Lake	1.51 181	eSn	Pn	01 43 15.0 -0.6
IVE	Iliamna Volcan	1.66 222	P	Pn	01 43 15.0 0.0
ILW	Iliamna West	1.67 224	ePn	Pn	01 43 15.3 +0.1
HOM	Homier	1.67 195	ePn	Pn	01 43 15.2 +0.2
HOM	Homier	1.67 195	eSn	Pn	01 43 34.0 -1.6
HOM	Homier	1.67 195	eSn	Pn	01 43 30.0 -0.1
PLA	Iliamna Low So	1.72 221	ePn	Pn	01 43 16.8 +0.5
PLA	Iliamna Low So	1.72 221	ePn	Pn	01 43 34.3 -3.4
SCM	Sheep Creek Mo	1.76 70	ePn	Pn	01 43 15.8 -0.4
SCM	Sheep Creek Mo	1.76 70	ePn	Pn	01 43 35.0 -2.9
SCM	Sheep Creek Mo	1.76 70	eP	Pn	01 43 15.9 -0.4
SCM	Sheep Creek Mo	1.76 70	ePn	Pn	01 43 15.9 -0.4
CNPM	China Poot	1.77 187	ePn	Pn	01 43 15.7 -0.6
CNPM	China Poot	1.77 187	eSn	Pn	01 43 35.5 -2.3
HUR	Hurricane	1.80 17	ePn	Pn	01 43 17.5 +0.8
GLI	Glacier Island	1.85 101	ePn	Pn	01 43 16.1 -1.4
GLI	Glacier Island	1.85 101	eSn	Pn	01 43 37.6 -2.9
JPK	Jack Peak	2.06 94	ePn	Pn	01 43 25.6 -1.7
YMT	TAPS TI Valdez	2.17 93	ePn	Pn	01 43 20.9 0.0
FID	Port Fidalgo	2.18 102	ePn	Pn	01 43 20.4 -1.4
FID	Port Fidalgo	2.18 102	eSn	Pn	01 43 49.9 -2.8
TRF	Thorofare Moun	2.20 6	ePn	Pn	01 43 22.4 +0.1
TRF	Thorofare Moun	2.20 6	eSn	Pn	01 43 24.4 +0.1
CAST	Castle Rocks	2.23 345	ePn	Pn	01 43 23.0 +0.4
HIN	Hinchinbrook I	2.29 111	ePn	Pn	01 43 21.9 -1.4
AUN	Augustine Lava	2.30 216	P	Pn	01 43 24.4 +0.9
AUE	Augustine Isla	2.30 215	ePn	Pn	01 43 24.0 +0.5
SVWZ	Sparrevohn	2.31 268	ePn	Pn	01 43 23.3 -0.3
SVWZ	Sparrevohn	2.31 268	eSn	Pn	01 43 23.3 -0.3
AUW	Augustine West	2.32 216	P	Pn	01 43 24.3 +0.6
RND	Reindeer	2.33 22	ePn	Pn	01 43 24.1 +0.1
RND	Reindeer	2.33 22	eSn	Pn	01 43 46.1 -5.5
RND	Reindeer	2.33 22	ePn	Pn	01 43 24.1 +0.1
RND	Reindeer	2.33 22	eSn	Pn	01 43 46.1 -5.5
KLJ	Klutina	2.37 83	ePn	Pn	01 43 25.6 -0.9
KLJ	Klutina	2.37 83	eSn	Pn	01 43 48.9 -3.6
DIV	Denali Highway	2.43 40	ePn	Pn	01 43 25.3 -0.1
DIV	Denali Highway	2.43 40	ePn	Pn	01 43 24.4 -1.1
DIV	Denali Highway	2.43 40	eSn	Pn	01 43 51.4 -3.0
EYAK	Cordova Ski Ar	2.58 104	eSn	Pn	01 43 19.2 -1.7
EYAK	Cordova Ski Ar	2.58 104	eSn	Pn	01 43 54.5 -3.0
MCK	McKinley	2.62 19	ePn	Pn	01 43 28.0 +0.2
MCK	McKinley	2.62 19	ePn	Pn	01 43 58.5 0.0
MCK	McKinley	2.62 19	ePn	Pn	01 43 28.0 +0.2
MCK	McKinley	2.62 19	ePn	Pn	01 43 58.5 0.0
TAPS	TAPS Pump St11	2.67 70	ePn	Pn	01 43 58.5 0.0
CHUM	Lake Minchum	2.71 346	ePn	Pn	01 43 29.9 +0.9
PS12	TAPS Pump St12	2.74 83	ePn	Pn	01 43 29.2 -0.2
BPAW	Bear Paw Mtn	2.84 359	ePn	Pn	01 43 30.6 -0.2
SGAM	Sherman Glacie	2.85 103	ePn	Pn	01 43 29.0 -1.9
MID	Middletown Is	2.90 128	ePn	Pn	01 43 29.9 -1.6
MID	Middletown Is	2.90 128	ePn	Pn	01 43 29.9 -1.6
FOW	Fourpeaked Sta	2.90 214	P	Pn	01 43 32.0 +0.4
HARP	HAARP	2.92 65	ePn	Pn	01 43 32.2 +0.3
TT01	Tatalina	2.94 306	ePn	Pn	01 43 31.8 -0.5
BMRM	Bremner River	3.03 94	ePn	Pn	01 43 31.9 -1.6
PAX	Paxson	3.04 54	ePn	Pn	01 43 31.9 -1.6
PAX	Paxson	3.04 54	eSn	Pn	01 44 04.1 -4.7
PAX	Paxson	3.04 54	ePn	Pn	01 43 34.1 +0.5
PAX	Paxson	3.04 54	ePn	Pn	01 44 04.1 -4.7
RAGM	Ragged Mountai	3.14 104	ePn	Pn	01 43 33.3 -1.6
RAGM	Ragged Mountai	3.14 104	eSn	Pn	01 44 04.5 -6.6
PS10	TAPS Pump St10	3.19 45	ePn	Pn	01 43 31.7 -1.4
HMT	Hamilton	3.35 103	ePn	Pn	01 43 35.5 -2.2
NEN	Nenana	3.41 13	ePn	Pn	01 43 39.0 +0.5
KAIM	Kayak Island	3.43 110	ePn	Pn	01 43 37.5 -1.4
WRH	Wood River Hill	3.44 20	ePn	Pn	01 43 38.8 -0.3
WRH	Wood River Hill	3.44 20	eSn	Pn	01 43 38.8 -0.3
NICHA	Nichawak Mount	3.52 104	ePn	Pn	01 43 37.8 -2.2
KAWH	Katmai	3.53 216	P	Pn	01 43 40.5 +0.3
BERG	Berg Lake	3.59 101	ePn	Pn	01 43 39.0 -2.1
KDAD	Kodiak Island	3.62 195	P	Pn	01 43 39.9 -1.4
KDAD	Kodiak Island	3.62 195	eSn	Pn	01 44 19.6 -3.1
KDAD	Kodiak Island	3.62 195	P	Pn	01 44 19.6 -3.1
KDAD	Kodiak Island	3.62 195	eSn	Pn	01 44 19.6 -3.1
KDAD	Kodiak Island	3.62 195	P	Pn	01 44 19.6 -3.1
KDAD	Kodiak Island	3.62 195	eSn	Pn	01 44 19.6 -3.1
CCB	Clear Creek B	3.66 21	ePn	Pn	01 43 41.5 -0.4
CCB	Clear Creek B	3.66 21	eSn	Pn	01 43 41.5 -0.4
SUCK	Suckling Hills	3.67 106	P	Pn	01 43 40.5 -1.6
KBM	Katmai Bkt Mtn	3.73 218	P	Pn	01 43 42.9 -0.1
SP38	TAPS Pump Stn8	3.76 27	ePn	Pn	01 43 43.9 +0.6
KABU	Katmai Buttes	3.76 219	P	Pn	01 43 44.1 +0.6
MLY	Manley	3.77 1	ePn	Pn	01 43 43.5 0.0
MLY	Manley	3.77 1	eSn	Pn	01 43 43.5 0.0
KHIT	Khitrov Hills	3.79 99	ePn	Pn	01 43 42.0 -1.9
GRIN	Grindle Hills	3.81 102	P	Pn	01 43 41.8 -2.3
TCOL	CIGO, UAF Yank	3.86 19	P	Pn	01 43 44.5 -0.1
COLA	College	3.86 19	ePn	Pn	01 43 44.6 0.0
COLA	College	3.86 19	ePn	Pn	01 43 44.6 0.0
IS3US	FAIRBANKS INFR	3.86 19	P	Pn	01 43 47.0 +2.4
IS3US	FAIRBANKS INFR	3.86 19	P	Pn	01 43 47.0 +2.4
IS3US	FAIRBANKS INFR	3.86 19	P	Pn	01 43 47.0 +2.4
IS3US	FAIRBANKS INFR	3.86 19	P	Pn	01 43 47.0 +2.4
MDM	Murphy Dome	3.88 16	ePn	Pn	01 43 45.5 +0.5
MDM	Murphy Dome	3.88 16	eSn	Pn	01 44 29.7 +0.4
ANCK	Angle Creek	3.89 220	P	Pn	01 43 45.7 +0.6
DOT	Dot Lake	3.94 50	ePn	Pn	01 43 46.0 +0.2
WAX	Waxell Ridge	3.98 98	ePn	Pn	01 43 44.0 -1.8
ILAR	Iliamna Array	3.94 25			

COR	Corvallis	23.27 123 eP	P	01 47 50.1 +1.0
COR	Corvallis	23.27 123 eP	P	01 47 50.1 +1.0
COR	comp-Z,392nm,1.3s		pmax	
HAWA	Hanford	23.41 115 eP	P	01 47 51.7 +1.2
I02D	Swisshome	23.45 125 P	P	01 47 53.0 +2.1
E08A	Dider Farm, El	23.54 114 eP	P	01 47 52.8 +1.1
H04D	Lebanon	23.55 123 P	P	01 47 52.5 +0.8
G05D	baz=325,SNR=17	23.55 119 P	P	01 47 52.7 +0.9
F07A	Wamic, OF	23.62 117 eP	P	01 47 54.2 +1.8
H04A	baz=324,SNR=23			
H04A	Phinny Hill Vi	23.64 122 eP	P	01 47 54.4 +1.7
RES	Detroit Lake	23.65 33 eP	P	01 47 52.7 +0.3
RES	Resolute Bay	23.65 33 eP	S	01 51 57.5 -4.0
RES	comp-Z,266nm,0.7s,baz=260,slow=11,SNR=41			
RES	comp-Z,18nm,0.9s,baz=260,slow=12,SNR=1.8		LR	01 57 39.1
RES	Resolute Bay	23.65 33 eP	P	01 47 52.4 0.0
RES	comp-Z,94nm,0.6s		eS	01 51 57.5 -4.0
RES	Resolute Bay	23.65 33 eP	S	01 51 57.5 -4.0
RES	comp-Z,95nm,0.6s		pmax	
G06A	Carlson Farm	23.84 119 eP	P	01 47 56.1 +1.6
E09A	Wood Farm,Sta	23.92 113 eP	P	01 47 55.4 +0.3
I03D	Drain, OF	23.98 125 P	P	01 47 57.2 +1.5
WALA	Waterton Lakes	24.00 104 eP	P	01 47 56.9 +1.0
J01E	Myrtle Point	24.20 126 P	P	01 47 59.3 +1.6
I05D	Terrebonne, OR	24.27 121 P	P	01 47 59.1 +0.7
I04A	Tendick Farm,	24.28 123 P	P	01 47 59.2 +0.8
BSMT	Bassoo Peak,	24.45 107 eP	P	01 48 01.7 +0.9
G08A	Pilot Rock	24.52 116 eP	P	01 48 01.9 +1.2
F02D	Willamette Mer	24.70 126 P	P	01 48 04.9 +2.5
K10A	Beach Ranch, E	24.75 113 eP	P	01 48 03.6 +0.8
JTMT	Jette	24.76 106 eP	P	01 48 04.3 +1.4
J04D	Umpqua Nationa	24.86 123 P	P	01 48 06.3 +2.3
PINE	Pine Mountain	24.88 121 eP	P	01 48 06.4 +2.3
HUM0	Hull Mountain	25.06 125 eP	P	01 48 08.1 +2.6
J05D	Fort Rock, OR	25.18 122 P	P	01 48 08.9 +2.1
L02E	Cave Junction	25.19 127 P	P	01 48 08.0 +1.3
I07A	Izee	25.25 119 eP	P	01 48 09.7 +2.4
K04D	Chiloquin, OR	25.52 124 P	P	01 48 10.8 +1.0
BMO	Blue Mountains	25.59 115 eP	P	01 48 11.8 +1.4
BMO	Blue Mountains	25.59 115 eP	pmax	01 48 11.8 +1.4
BMO	Blue Mountains	25.59 115 eP	pmax	01 48 11.8 +1.4
MSO	Missoula	25.59 107 eP	P	01 48 11.1 +0.6
MSO	Missoula	25.59 107 eP	S	01 52 32.4 -0.9
MSO	Missoula	25.59 107 eP	S	01 48 10.9 +0.5
L04D	Klamath Falls	25.64 125 P	P	01 48 12.3 +1.3
YBH	Yreka Blue Hor	25.90 126 P	P	01 48 15.1 +1.9
YBH	comp-Z,36nm,0.9s,baz=354,slow=4.5,SNR=129		LR	01 56 43.7
YBH	Yreka Blue Hor	25.90 126 eP	P	01 48 16.0 +2.8
SEY	Seymour	25.95 299 P	P	01 48 11.9 -0.9
SEY	comp-Z,277nm,0.9s,baz=80,slow=6.5,SNR=26		PcP	01 51 41.0 +1.3
SEY	comp-Z,36nm,1.1s,baz=34,slow=1.1,SNR=3.2		ScP	01 55 11.9 -0.9
SEY	comp-Z,6.9nm,0.6s,baz=72,slow=3.9,SNR=9.6		LR	01 59 13.9
SEY	comp-Z,5.5nm,19.4s,baz=78,slow=38			
M02C	Callahan	26.13 127 P	P	01 48 18.0 +2.7
FFC	Flin Flon	26.15 82 eP	P	01 48 16.1 +0.8
FFC	Flin Flon	26.15 82 eP	pmax	01 48 16.1 +0.8
M04C	Macdoel	26.20 125 P	P	01 48 18.0 +2.1
J08A	Circle Bar Ran	26.27 118 eP	P	01 48 18.6 +1.9
N02D	Trinity Center	26.55 127 P	P	01 48 21.7 +2.7
HLY	Holler Researc	26.66 105 eP	P	01 48 20.8 +0.7
EGMT	Eagleton	26.69 101 eP	P	01 48 20.9 +0.6
EGMT	Eagleton	26.69 101 P	P	01 48 20.7 +0.5
MOD	Modoc Plateau	26.71 123 eP	P	01 48 22.7 +2.1
WDC	Whiskeytown Da	26.95 127 eP	P	01 48 24.7 +2.2
WVOR	Wild Horse Val	26.96 120 eP	P	01 48 24.7 +1.9
WVOR	Wild Horse Val	26.96 120 eP	pmax	01 48 24.7 +1.9
DLMT	Dillon	27.31 108 eP	P	01 48 26.3 +0.3
MFID	Camas Ranch	27.37 115 eP	P	01 48 27.7 +1.2
O03E	Paynes Creek	27.48 126 P	P	01 48 28.1 +0.6
BOZ	Bozeman (W)	27.58 107 eP	P	01 48 29.3 +1.0
BOZ	Bozeman (W)	27.58 107 eP	pmax	01 48 29.3 +1.0
BOZ	Bozeman (W)	27.58 107 P	P	01 48 28.5 +0.1
MCMT	McKenzie Canyo	27.60 109 eP	P	01 48 29.6 +0.9
FCC	Fort Churchill	27.70 70 eP	P	01 48 30.1 +1.0
FCC	Fort Churchill	27.70 70 eP	pmax	01 48 30.1 +1.0
HLID	Halley	27.88 113 eP	P	01 48 32.2 +1.0
HLID	Halley	27.88 113 P	P	01 48 32.1 +1.0
PET	Petropavlovsk	27.96 276 eS	P	01 48 30.2 -1.2
PET	Petropavlovsk	27.96 276 eS	pmax	01 53 09.6 -0.6
PET	comp-Z,1.1nm,11.3s		pmax	
PET	comp-Z,1.1nm,18.4s		MLR	01 48 37.0 +1.9
PET	comp-Z,3.1nm,19.0s		MLR	01 48 37.0 +1.9
MA2	Magadan	28.06 293 P	P	01 48 32.5 +0.2
MA2	Magadan	28.06 293 P	pmax	01 48 32.5 +0.2
HOPS	Hopland Field	28.13 130 eP	P	01 48 35.4 +2.3
ORV	Oroville	28.25 127 eP	P	01 48 35.1 +1.1
QLMT	Earthquake Lak	28.24 107 eP	P	01 48 36.1 +1.6
GCMT	Greyfitt	28.35 104 eP	P	01 48 37.0 +1.9
PEA1	Petropavlovsk	28.36 277 eP	P	01 48 33.6 -1.5

PEA1	PETK	28.37 277 ePcP	PcP	01 51 45.2 -0.6
PETK	PETK	28.37 277 P	P	01 48 33.6 -1.5
PETK	comp-Z,33nm,1.1s,baz=77,slow=6.5,SNR=3.9		PcP	01 51 45.2 -0.6
PETK	comp-Z,32nm,0.9s,baz=81,slow=3.8,SNR=13		ScP	01 55 20.3 -0.2
PETK	comp-Z,2.2nm,21.9s,baz=51,slow=37		LR	02 00 22.0
PETK	Petropavlovsk	28.37 277 P	P	01 48 33.6 -1.5
BEKR	Beckworth	28.41 125 eP	P	01 51 47.1 +1.3
BEKR	Beckworth	28.41 125 eP	P	01 48 37.6 +1.8
YHB	Horse Butte	28.42 107 eP	P	01 48 37.7 +1.7
YHB	Holmes Hill	28.55 107 eP	P	01 48 38.7 +1.5
YMR	Madison River	28.59 107 eP	P	01 48 39.2 +1.7
YNR	Norris Junctio	28.69 107 eP	P	01 48 40.7 +2.4
LKWY	Lake	28.93 107 eP	P	01 48 41.5 +1.0
LKWY	Lake	28.93 107 eP	pmax	01 48 41.5 +1.0
PAHR	Pah Rah Range	28.94 124 eP	P	01 48 42.4 +1.9
AFDM	Forest Hills D	28.97 127 eP	P	01 48 42.0 +1.4
H17A	Grant Village	28.98 107 P	P	01 48 42.1 +1.1
DGMT	Dagmar	29.03 95 eP	P	01 48 42.2 +1.0
DGMT	Dagmar	29.03 95 P	P	01 48 42.1 +1.0
RLMT	Red Lodge	29.04 105 eP	P	01 48 43.3 +1.9
RLMT	Red Lodge	29.04 105 P	P	01 48 43.1 +1.7
FLWY	Flagg Ranch	29.16 108 eP	P	01 48 44.8 +2.3
VCNR	Virginia City	29.18 125 eP	P	01 48 44.9 +2.2
RUBR	Rubicon Trail	29.20 126 eP	P	01 48 45.2 +2.3
LAO	LASA Array	29.32 99 eP	P	01 48 45.3 +1.5
LAO	LASA Array	29.32 99 P	P	01 48 44.9 +1.2
FWXY	Fox Creek	29.35 109 eP	P	01 48 46.1 +1.9
PNTR	Pine Nut	29.38 125 eP	P	01 48 46.5 +2.0
MOOW	Moose Ponds	29.40 108 eP	P	01 48 46.4 +1.8
LOHW	Long Hollow	29.57 108 eP	P	01 48 48.1 +2.0
YERR	Yerington	29.61 124 eP	P	01 48 48.4 +1.9
SNOW	Snow King Moun	29.61 108 eP	P	01 48 48.8 +2.3
REDW	Red Top Meadow	29.65 109 eP	P	01 48 48.8 +1.9
WAKR	Walker	29.65 125 eP	P	01 48 51.7 +2.2
CMB	Columbia Cole	29.99 127 eP	P	01 48 51.3 +1.7
CMB	Columbia Cole	29.99 127 eP	pmax	01 48 51.3 +1.7
AHID	Auburn Hatcher	30.00 110 eP	P	01 48 51.5 +1.5
KVN	Kaiserville	30.02 123 eP	P	01 48 52.2 +2.1
KVN	Kaiserville	30.02 123 eP	pmax	01 48 52.2 +2.1
HVU	Hansel Valley	30.03 113 eP	P	01 48 52.2 +2.0
HVU	Hansel Valley	30.03 113 eP	pmax	01 48 52.2 +2.0
RYN	Ryan	30.21 124 eP	P	01 48 53.8 +2.0
NV01	Minia Array Sit	30.47 124 eP	P	01 48 55.3 +1.2
NV01	Minia Array Sit	30.52 123 eP	PcP	01 51 53.0 +1.2
NVAR	Minia Array	30.47 124 P	ScP	01 55 29.1 +1.3
NVAR	Minia Array	30.47 124 P	P	01 48 56.0 +1.9
NVAR	comp-Z,15nm,0.6s,baz=271,slow=3.1,SNR=6.7		PcP	01 51 53.0 +1.2
NVAR	comp-Z,1.4nm,0.7s,baz=297,slow=2.3,SNR=3.8		ScP	01 55 29.2 +1.4
NVAR	comp-Z,4.3nm,0.9s,baz=307,slow=1.0,SNR=3.9		LR	01 59 38.1
NVAR	comp-Z,21.1s,baz=328,slow=33			
NVAR	comp-Z,0.4nm,0.7s,baz=133,slow=5.8,SNR=5.5		P3KlPbc	02 20 43.0
NV11	Minia Array Sit	30.52 123 eP	P	01 48 56.5 +1.9
SPUT	South Promonto	30.56 113 eP	P	01 48 56.9 +2.1
BGU	Big Grass Mou	30.61 114 eP	P	01 48 57.0 +1.8
SKR	Severo-Kuril's	30.66 274 eP	P	01 48 51.7 -3.6
SKR	Severo-Kuril's	30.66 274 eP	e	01 49 56.5
SKR	Severo-Kuril's	30.66 274 eP	eS	01 53 57.3 +4.7
SKR	Severo-Kuril's	30.66 274 eP	eSSS	01 56 05.4
SKR	comp-Z,600nm,7.2s		pmax	
SKR	comp-Z,2.2nm,6.2s		pmax	
SKR	comp-Z,1.81nm,1.6s		MLR	01 48 57.5 +1.6
SKR	comp-Z,1.1nm,15.0s		MLR	01 48 57.5 +1.6
SAO	San Andreas Ge	30.70 130 eP	P	01 48 57.5 +1.6
SAO	San Andreas Ge	30.70 130 eP	pmax	01 48 57.5 +1.6
SAO	San Andreas Ge	30.70 130 eP	pmax	01 48 57.5 +1.6
BW06	Boulder Array	30.71 108 eP	P	01 48 57.5 +1.4
BW06	Boulder Array	30.71 108 P	P	01 48 56.7 +0.5
PD31	Pinedale Array	30.71 108 eP	P	01 48 57.5 +1.3
PD31	Pinedale Array	30.71 108 eP	eP	01 49 15.6 +3.0
PD31	Pinedale Array	30.71 108 eP	ePcP	01 51 52.6 +0.3
PDAR	Pinedale Array	30.71 108 eP	P	01 48 57.6 +0.7
PDAR	comp-Z,1.4nm,0.6s,baz=322,slow=4.6,SNR=205		pP	01 49 15.6 +3.0
PDAR	comp-Z,3.7nm,0.8s,baz=316,slow=6.2,SNR=11		PcP	01 51 52.6 +0.3
PDAR	comp-Z,8.3nm,0.8s,baz=4.1,slow=1.3,SNR=3.6			01 52 14.0
PDAR	comp-Z,1.7nm,1.0s,baz=48,slow=2.2,SNR=4.5		LR	01 01 21.9
PDAR	comp-Z,2.2nm,19.3s,baz=339,slow=36		PgKlPbc	02 20 41.9
PDAR	comp-Z,0.8nm,1.0s,baz=132,slow=2.2,SNR=4.2			
PDAR	Pinedale Array	30.71 108 eP	P	01 48 56.3 +0.2
PDAR	Pinedale Array	30.71 108 eP	pP	01 49 15.6 +3.0
HWUT	Hardware Ranch	30.71 112 eP	P	01 48 57.9 +1.7
MLAC	Mammoth, Mammo	30.94 125 P	P	01 48 57.6 -0.7
TIXI	Tiksi	31.11 323 ScP	ScP	01 55 27.8 -1.2
TIXI	comp-Z,19nm,0.9s,baz=61,slow=3.8,SNR=8.2		PKlKP	01 59 23.2 +1.4
TIXI	comp-Z,3.6nm,0.8s,baz=102,slow=6.7,SNR=22		LR	02 04 08.2
TIXI	comp-Z,2.2nm,18.3s,baz=62,slow=41			
TIXI	comp-Z,91nm,1.1s		eS	01 55 27.8 -1.2
TIXI	Tiksi	31.11 323 eP	pmax	01 48 58.3 -0.8
TCUT	Toone Canyon	31.17 112 eP	P	01 49 02.2 +1.9
DUG	Dugway, Tooele	31.30 115 eP	P	01 49 02.9 +1.6
DUG	Dugway, Tooele	31.30 115 eP	P	01 49 02.9 +1.6

DUG	comp-Z,44nm,0.9s		pmax	
DUG	Dugway, Tooele	31.30 115 P	P	01 49 02.6 +1.3
CTU	Camp Teryon, C	31.36 113 eP	P	01 49 03.6 +1.6
JLU	Jordanelle	31.57 113 eP	P	01 49 05.5 +1.7
R11A	Troy Canyon, C	31.65 120 eP	P	01 49 06.2 +1.7
R11A	Troy Canyon, C	31.65 120 P	P	01 49 06.0 +1.5
MDND	Maddock	31.68 91 eP	P	01 49 05.9 +1.4
MDND	Maddock	31.68 91 P	P	01 49 05.4 +1.0
TIN	Tinemaha, Big	31.68 125 P	P	01 49 07.1 +2.4
NLU	North Lily Mtn	31.82 114 eP	P	01 49 07.5 +1.5
ULM	Lac du Bonnet	31.85 85 P	P	01 49 06.5 +0.6
ULM	comp-Z,85nm,0.8s,baz=306,slow=8.8,SNR=81		pP	01 49 24.7 +2.4
ULM	comp-Z,1.23nm,0.8s,baz=296,slow=9.7,SNR=9.9		PKlKP	01 59 25.6 +2.7
ULM	comp-Z,8.3nm,1.0s,baz=50,slow=22,SNR=2.5		LR	02 02 35.2
ULM	comp-Z,7.7um,19.9s,baz=315,slow=37			
ULM	Lac du Bonnet	31.85 85 eP	P	01 49 06.7 +0.8
ULM	comp-Z,1.75nm,1.1s		pP	01 49 24.7 +2.4
MPU	Maple Canyon	31.97 114 eP	pP	01 49 08.8 +1.5
GRAC	Grapevine Rang	32.08 124 P	P	01 49 10.5 +2.6
K22A	Casper	32.20 105 eP	P	01 49 10.2 +0.9
K22A	Casper	32.20 105 P	P	01 49 10.2 +0.9
PSUT	Pine Spring	32.2		

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QD	1h	34.52	112	eP	P	01	49	31.1	+1.5	C40A	Isle Royale Na	36.67	83	eP	P	01	49	48.6	+1.1	H42A	Shiocton	39.43	86	eP	P	01	50	11.5	+0.8
42	West Nyswonger	comp=Z,76nm,0.8s								C40A	Isle Royale Na	36.67	83	eP	P	01	49	48.2	+0.6	H42A	Shiocton	39.43	86	eP	P	01	50	11.7	0.0
SNCC	San Nicolas Is	34.54	130	P	P	01	49	30.0	+0.6	C40A	Isle Royale Na	36.67	83	P	P	01	49	50.8	+2.3	H42A	Shiocton	39.43	86	P	P	01	50	00.7	+1.2
PV19	Morning Glory	34.54	112	eP	P	01	49	30.8	+1.1	X16A	Lois Camp, P	36.74	119	eP	P	01	49	49.4	+1.1	SFJD	Kangerlussuaq	39.51	37	ScP	ScP	01	50	12.6	+1.4
PV16	Nyswonger Mesa	34.57	112	eP	P	01	49	31.3	+1.3	F38A	Pierce - Schro	36.75	87	P	P	01	49	50.2	+1.1	SFJD	Kangerlussuaq	39.51	37	eP	P	01	50	12.6	+1.4
PV17	East Vlyr Mesa	34.58	112	eP	P	01	49	31.4	+1.4	SPMN	Marine on St.	36.84	89	eP	P	01	49	50.1	+1.1	SFJD	Kangerlussuaq	39.51	37	eP	P	01	50	12.3	+1.1
FMP	Fort Macarthur	34.59	128	P	P	01	49	31.0	+1.1	SPMN	Marine on St.	36.84	89	P	P	01	49	51.5	+1.9	SFJD	Kangerlussuaq	39.51	37	eP	P	01	50	12.6	+1.4
PV11	David Mesa, Pa	34.60	112	eP	P	01	49	31.6	+1.4	W18A	Petrified Fore	36.88	116	eP	P	01	49	51.2	+1.6	SFJD	Kangerlussuaq	39.51	37	eP	P	01	50	12.6	+1.4
PV12	Saucer Basin,	34.62	112	eP	P	01	49	31.7	+1.3	W18A	Petrified Fore	36.88	116	P	P	01	49	51.1	+1.5	K40A	Colesburg	39.52	90	P	P	01	50	11.1	-0.5
PV18	Skein Mesa, Pa	34.63	112	eP	P	01	49	31.9	+1.4	KSC0	Kaye Shedlock	36.89	105	eP	P	01	49	50.9	+1.3	L39A	Vinton	39.54	91	P	P	01	50	11.3	-0.4
BBRC	Big Bear Solar	34.63	126	P	P	01	49	32.2	+1.7	KSC0	Kaye Shedlock	36.89	105	P	P	01	49	50.3	+0.7	J41A	Loganville	39.56	88	P	P	01	50	12.3	+0.4
LDFC	Landfair	34.65	123	eP	P	01	49	32.2	+1.7	TYV	Tymovskoe	36.94	285	eP	P	01	49	49.3	-0.5	YSS	Yuzh-Sakhalins	39.63	280	eP	P	01	50	13.9	+1.6
PV03	Paradox Valley	34.65	112	eP	P	01	49	31.7	+1.1	TYV	TYV	36.94	285	eS	PMAX	YSS	Yuzh-Sakhalins	39.63	280	eP	P	01	50	13.8	+1.4				
U15A	North Rim	34.67	118	eP	P	01	49	32.8	+1.9	TYV	TYV	36.94	285	PMAX	PMAX	YSS	Yuzh-Sakhalins	39.63	280	eP	P	01	50	38.1	-1.4				
GMRC	Granite Mounta	34.68	124	P	P	01	49	32.2	+1.4	TYV	TYV	36.94	285	PMAX	PMAX	YSS	Yuzh-Sakhalins	39.63	280	eP	P	01	50	08.7	-1.4				
PV05	Paradox Valley	34.68	113	eP	P	01	49	32.3	+1.4	TYV	TYV	36.94	285	SMAX	SMAX	YSS	Yuzh-Sakhalins	39.63	280	eP	P	01	50	13.9	+1.6				
PV02	Paradox Valley	34.74	112	eP	P	01	49	32.8	+1.4	TYV	TYV	36.94	285	SMAX	SMAX	YSS	Yuzh-Sakhalins	39.63	280	eP	P	01	50	08.7	-1.4				
PV13	Radium Mtn., P	34.74	112	eP	P	01	49	32.9	+1.4	E39A	Mellen	37.09	85	P	P	01	49	51.3	+0.1	KBS	Kingsbay	39.66	5	eP	P	01	50	13.9	+1.6
SMCO	Snowmass	34.74	109	eP	P	01	49	32.5	+0.8	BGNE	Belgrade	37.13	98	eP	P	01	49	52.5	+0.9	KBS	Kingsbay	39.66	5	eP	P	01	50	13.9	+1.6
CIS	Catalina Islan	34.82	128	P	P	01	49	32.6	+0.7	BGNE	Belgrade	37.13	98	P	P	01	49	52.2	+0.7	KBS	Kingsbay	39.66	5	eP	P	01	50	13.9	+1.6
ISCO	Idaho Springs	34.87	107	eP	P	01	49	34.4	+1.8	F39A	Loria	37.25	86	P	P	01	49	52.3	-0.2	KBS	Kingsbay	39.66	5	eP	P	01	50	13.9	+1.6
ISCO	Idaho Springs	34.87	107	eP	PMAX	01	49	34.4	+1.8	X18A	Snowflake	37.28	117	eP	P	01	49	55.2	+2.1	KBS	Kingsbay	39.66	5	eP	P	01	50	14.1	+1.7
ISCO	Idaho Springs	34.87	107	P	PMAX	01	49	33.6	+1.0	E40A	Wakefield	37.36	85	P	P	01	49	53.9	+0.5	KSU1	Kansas State U	39.66	99	P	P	01	50	13.2	+0.4
PV01	Paradox Valley	34.87	112	eP	P	01	49	33.9	+1.3	H38A	Maiden Rock	37.49	89	P	P	01	49	55.1	+0.6	KSU1	Kansas State U	39.66	99	P	P	01	50	13.2	+0.4
MURC	Murrieta	35.11	127	P	P	01	49	35.2	+0.8	D41A	Chassel	37.56	83	eP	P	01	49	56.0	+0.9	E45A	Wooded Hills,	39.69	81	P	P	01	50	12.5	-0.4
NEE2	Needles Airpor	35.12	122	P	P	01	49	36.1	+1.7	D41A	Chassel	37.56	83	P	P	01	49	55.0	0.0	I42A	Draeger Farm,	39.70	87	eP	P	01	50	14.3	+1.3
W13A	Hualapai Mount	35.13	121	eP	P	01	49	36.6	+1.9	T25A	Trinidad	37.57	108	eP	P	01	49	57.1	+1.5	I42A	Draeger Farm,	39.70	87	eP	P	01	50	13.3	+0.2
SCI2	San Clemente I	35.15	129	P	P	01	49	36.0	+1.3	T25A	Trinidad	37.57	108	P	P	01	49	56.9	+1.3	JFWS	Jewell Farm	39.79	89	eP	P	01	50	14.1	+0.3
BELC	Belle Mtn. Jos	35.23	125	P	P	01	49	37.1	+1.6	G39A	Holcombe	37.58	87	P	P	01	49	55.8	+0.5	JFWS	Jewell Farm	39.79	89	eP	P	01	50	14.1	+0.3
PFO	Pinyon Flats O	35.39	126	eP	P	01	49	38.4	+1.5	F40A	Park Falls	37.63	86	P	P	01	49	56.2	+0.5	JFWS	Jewell Farm	39.79	89	P	P	01	50	13.9	+0.2
PFO	Pinyon Flats O	35.39	126	eP	PMAX	01	49	38.4	+1.5	E14A	Kenton	37.79	84	P	P	01	49	57.6	+0.5	H43A	Windswept, Lux	39.82	85	eP	P	01	50	15.2	+1.2
PFO	Pinyon Flats O	35.39	126	P	PMAX	01	49	37.3	+0.4	ILLULI	Ilulissat	37.93	35	iP	P	01	49	58.1	+0.2	H43A	Windswept, Lux	39.82	85	P	P	01	50	14.3	+0.3
PFO	Pinyon Flats O	35.39	126	P	PMAX	01	49	38.4	+1.5	COWI	Conover	37.97	85	eP	P	01	49	59.1	+0.5	D46A	Sault Ste. Mari	39.84	80	P	P	01	50	14.0	-0.2
IRM	Iron Mountain	35.43	123	P	P	01	49	39.0	+1.8	H39A	Augusta	37.97	88	P	P	01	49	59.0	+0.4	GRNR	GRNRY	39.89	289	eP	P	01	50	13.1	-1.4
FRD	Ford Ranch, An	35.44	126	P	P	01	49	38.4	+1.1	G40A	Rib Lake	38.06	86	eP	P	01	50	00.1	+0.7	GRNR	GRNRY	39.89	289	eP	P	01	50	16.2	+1.0
EYMN	Ely	35.52	84	eP	P	01	49	37.8	0.0	G40A	Rib Lake	38.06	86	P	P	01	49	59.7	+0.4	121A	Cookes Peak, D	39.92	116	P	P	01	50	16.2	+1.0
EYMN	Ely	35.52	84	P	P	01	49	37.8	0.0	F41A	Three Lakes	38.25	85	eP	P	01	50	01.7	+0.8	M39A	Webster	39.95	92	P	P	01	50	15.3	+0.2
YAK	Yakutsk	35.55	307	dIP	PP	01	49	36.8	-1.0	F41A	Three Lakes	38.25	85	P	P	01	50	00.7	-0.2	L40A	Anamosa	39.96	91	eP	P	01	50	15.5	+0.3
YAK	Yakutsk	01	49	51.4	-2.9	01	51	00.5		214A	Organ Pipe Nat	38.30	122	P	P	01	50	03.3	+1.8	L40A	Anamosa	39.96	91	eP	P	01	50	15.1	-0.1
YAK	Yakutsk	01	52	05.7		01	52	05.7		E42A	Champion	38.32	83	P	P	01	50	02.0	+0.4	K41A	Shullsburg	39.99	89	P	P	01	50	15.8	+0.3
YAK	Yakutsk	01	55	07.2	-0.8	01	55	07.2	-0.8	CBK5	Cedar Bluff	38.40	102	eP	P	01	50	03.5	+1.1	F45A	CMU Biological	40.01	82	P	P	01	50	16.0	+0.4
YAK	Yakutsk	01	55	32.3	-4.1	01	59	44.0		CBK5	Cedar Bluff	38.40	102	eP	PMAX	01	50	03.5	+1.1	J42A	Columbus	40.03	88	P	P	01	50	16.4	+0.6
YAK	Yakutsk	01	59	44.0		01	59	44.0		CBK5	Cedar Bluff	38.40	102	P	PMAX	01	50	03.4	+1.1	I43A	Lansfield Pro	40.08	86	P	P	01	50	16.8	+0.6
YAK	Yakutsk	01	59	44.0		01	59	44.0		KUR	Kuril'sk	38.43	274	eP	P	01	50	00.0	-2.4	E46A	Sault Ste Mari	40.09	80	P	P	01	50	16.8	+0.5
YAK	Yakutsk	01	59	44.0		01	59	44.0		KUR	Kuril'sk	38.43	274	eP	S	01	50	00.0	-2.4	KIP	Kipapa	40.13	190	eP	P	01	50	18.2	+1.4
YAK	Yakutsk	01	59	44.0		01	59	44.0		KUR	Kuril'sk	38.43	274	eP	S	01	55	54.5	+2.4	KIP	Kipapa	40.13	190	eP	PMAX	01	50	18.2	+1.4
YAK	Yakutsk	01	59	44.0		01	59	44.0		KUR	Kuril'sk	38.43	274	eP	S	01	59	06.2		KIP	Kipapa	40.13	190	eP	PMAX	01	50	18.2	+1.4
YAK	Yakutsk	01	59	44.0		01	59	44.0		KUR	Kuril'sk	38.43	274	eP	S	01	59	06.2		KIP	Kipapa								

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like 4F8A Evansville, 4A6A Reed City, 4H7A Mio, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like J49A Mariette, L47A Sherwood, N46A Moccasin, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like M50A Fremont, U42A Revere, V41A Mountainview, etc.

comp=Z,48nm,0.9s	KPKS	Kokpek	68.18	323i	eP	P	01 53 40.0	-0.5
comp=Z,212nm,2.5s	DPC	Dobruska-Polom	68.25	9	eP	P	01 56 10.7	-0.3
	DPC						01 54 11.9	+0.8
	DPC						01 54 02.7	
	DPC	Dobruska-Polom	68.25	9	eP	P	02 02 37.9	+2.2
	DPC						01 53 41.6	+0.8
	DPC						01 54 02.7	
	DPC						02 02 37.9	+2.2
	ENH	Enshi	68.36	293	eP	S	01 53 41.2	-0.6
comp=Z,426nm,1.4s	UZB	Uzymbulak	68.37	323i	iP	P	01 53 41.1	-0.7
comp=Z,46nm,1.8s	UZB						01 56 12.2	-0.6
	UZB						02 02 37.9	+0.3
	AKASG	Malin Array Be	68.36	360	eP	P	01 53 40.5	-1.0
comp=Z,37nm,0.5s,baz=1.6,slow=6.2,SNR=22	AKASG						02 02 36.8	-0.2
comp=Z,0.7nm,0.5s,baz=4.2,slow=12,SNR=5.2	AKASG						02 21 56.3	
comp=Z,0.8nm,0.6s,baz=212,slow=3.2,SNR=5.1	AKASG	Malin Array Be	68.36	360	eP	P	01 53 40.5	-1.0
comp=Z,51nm,0.6s	AKAB	Malin Array Si	68.38	360	eP	P	01 53 40.8	-0.7
	PRA	Prague	68.38	10	eP	P	01 53 42.1	+0.6
	PRA						01 54 02.4	+2.7
	PRA						02 02 37.9	+0.8
	PRA	Prague	68.38	10	eP	P	01 53 42.1	+0.6
	PRA						01 54 02.4	+2.7
	PRA						02 02 37.9	+0.8
	KIEV	Kiev	68.38	360	eP	P	01 53 40.7	-0.8
comp=Z,59nm,0.7s	KIEV						01 53 40.7	-0.8
SNR=42	KIEV	Kiev	68.38	360	iP	P	01 53 40.7	-0.8
SNR=42	KIEV	Kiev	68.38	360	dIP	P	01 53 40.8	-0.7
	KIEV						01 53 40.8	-0.7
comp=Z,63nm,0.9s	AK11	Malin Array Si	68.40	0	eP	P	01 53 40.6	-1.1
comp=Z,40nm,1.0s	GRA1	Grafenberg Arr	68.45	12	eP	P	01 53 42.4	+0.4
	GRF	Grafenberg Arr	68.45	12	eP	P	01 53 42.4	+0.4
comp=Z,40nm,1.0s	GRFO	Grafenberg	68.45	12	eP	P	01 53 42.7	+0.7
comp=Z,36nm,1.0s	GRFO	Grafenberg	68.45	12	eP	P	01 53 42.7	+0.7
comp=Z,35nm,1.0s	SDDR	Presa de Saban	68.52	90	eP	P	01 53 43.2	+0.2
comp=Z,53nm,0.8s	GOPC	GO Peeny, Ondr	68.56	10	eP	P	01 53 42.7	0.0
	GOPC						01 54 03.4	
	GOPC						02 02 41.7	+2.3
	GOPC	GO Peeny, Ondr	68.56	10	eP	P	01 53 42.7	0.0
	GOPC						01 54 03.4	
	GOPC						02 02 41.7	+2.3
	SSLB	Suanglung	68.60	280	eP	P	01 53 42.5	-0.9
comp=Z,135nm,1.2s	OJC	Ojcow	68.60	6	eP	P	01 53 42.9	-0.1
	OJC						02 02 40.2	+0.4
	OJC						02 17 49.6	
comp=Z,11um,34.4s	OJC	Ojcow	68.60	6	eP	P	01 53 43.1	+0.1
comp=Z,19nm,0.8s	OJC	Ojcow	68.60	6	eP	P	01 53 42.8	-0.1
	OJC						02 21 54.7	+0.4
	OJC						02 22 14.3	
	SATY	Saty	68.63	323i	iP	P	01 53 42.9	-0.5
comp=Z,148nm,2.3s	SATY						01 56 14.9	0.0
	SATY						02 02 41.2	+0.6
	SATY						01 53 45.4	+1.0
	YULB	Yu-li	68.78	280	eP	P	01 53 44.9	+0.2
comp=Z,53nm,1.1s	OKC	Ostrava-Krasne	68.89	8	eP	P	01 54 03.4	
	OKC						02 02 43.2	+0.1
	OKC						01 53 44.9	+0.2
	OKC	Ostrava-Krasne	68.89	8	eP	P	01 54 03.4	
	OKC						02 02 43.2	+0.1
	OKC						01 53 44.9	-0.1
comp=Z,25nm,0.8s	MORC	Moravsky Berou	68.91	8	eP	P	01 53 44.8	-0.1
comp=Z,25nm,0.8s	MORC	Moravsky Berou	68.91	8	eP	P	02 02 46.4	+2.9
comp=Z,25nm,0.8s	MORC	Moravsky Berou	68.91	8	eP	P	02 21 54.7	+0.4
comp=Z,25nm,0.8s	MORC	Moravsky Berou	68.91	8	eP	P	02 22 14.3	
comp=Z,25nm,0.8s	MORC	Moravsky Berou	68.91	8	eP	P	01 53 45.5	+0.6
comp=Z,26nm,0.9s	CLF	Chambon-Foret	68.92	325	iP	P	01 53 44.9	-0.3
comp=Z,62nm,1.3s	AAA	Alma-Ata	68.92	325	iP	P	02 26 32.0	
comp=Z,449nm,14.2s	MDOK	Medeo	68.92	324	iP	P	01 53 44.4	-0.9
comp=Z,814nm,1.4s	MDOK						02 02 43.8	-0.3
comp=Z,448nm,14.9s	MDOK						02 26 32.0	
comp=Z,47nm,1.8s	LKV	L'vov	69.18	4	eP	P	01 53 46.7	+0.1
	LKV						02 02 47.7	+0.3
	LKV						01 53 47.4	+0.5
comp=Z,24nm,1.1s	KHC	Kasperske Hory	69.23	11	eP	P	01 53 47.6	+0.7
	KHC						01 54 08.3	
	KHC						02 02 47.7	+0.3
	KHC	Kasperske Hory	69.23	11	eP	P	01 53 48.0	+0.6
	KHC						01 53 47.5	+0.1
	KHC						01 54 05.1	
	KHC						02 02 49.2	+1.0
	KHC						01 53 47.7	+0.2
	KHC						02 02 50.5	+2.1
	KHC						01 53 47.7	+0.2
comp=Z,90nm,34.7s	KWP	Kalvaria Pacia	69.33	4	eP	P	01 53 47.7	+0.2
comp=Z,74nm,1.3s	ECH	Echery	69.43	16	eP	P	02 02 50.5	+2.1
	ECH						01 53 48.2	+0.1
comp=Z,74nm,1.3s	ECH	Echery	69.43	16	eP	P	01 53 48.2	+0.1
comp=Z,74nm,1.3s	NIE	Niedzica	69.43	6	eP	P	01 53 48.3	+0.1
	NIE						02 02 52.3	+2.6
	NIE						02 20 30.7	
comp=Z,600nm,26.6s	NIE	Niedzica	69.43	6	eP	P	01 53 48.3	+0.1
	NIE						02 02 52.3	+2.6
	NIE						01 53 48.6	+0.3
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 48.4	-0.5
comp=Z,59nm,1.2s	BFO	Black Forest	69.46	15	iP	P	01 53 49.1	+0.7
comp=Z,59nm,1.2s	BFO	Black Forest	69.46					

Table with columns: Isparta, 81.25 359, eP, P, 01 54 55.4 -0.8, etc. Includes stations like Otavalo, IFR, FLOCC, NONG, KEST, etc.

Table with columns: Ar Rayn, 94.48 345, eP, P, 01 56 00.5 +0.1, etc. Includes stations like Charters Tower, KOTA Tinggi, SOEI, etc.

Table with columns: NVL, 168.21 151, ePKIKP, PKPdf, 02 02 41.6 -2.9, etc. Includes stations like Dhamar BB, At Turbah, Malaho, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like OXZ Oxford, RPZ Rata Peaks, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like SPSI Sidrap Palu, GIRL Giralia, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like FURC Furnace Creek, TUQ Turquoise Moun, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like Dugway, Toolee, Sheep Creek Mo, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like YMR Madison River, BOZ Bozeman (W), BILL Bilibino, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like KK31 Karatay Array, KK31 Karatay Array, KKAR Karatay Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KECS Cluj-Napoca, CECR Napoca, LTHV L'Av'rtes, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KOZT Kozan, ARE 04 04:21:54.0,0.0,8:86S:74.24W, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Z52A Williamson, GOGA Godfrey, 344A Wierocok Farm, etc.

ISC 04 04:19:40.2.1.4,37:19N:0'05.3597E:0'07,h15km,n6,az=156/S,Turkey
Code Station Name Az Phase ID Time Res ISC
KOZT Kozan 0.31 39 PG Pg 04 19 46.5 -0.3

4d 4h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like R49A Shelbyville, U40A Yellville, R47A Woolly Knot Far, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ANMO Albuquerque, J45A Montague, H55A Tweed, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like LOHW Long Hollow, ULM Lac du Bonnet, U3M Monte, etc.

ISCJB 04:04:24.02:3.0.8.26:34S:0:07:178:98E:0:10, h500km, mb3:4/2, Error ellipse: s-maj=12.5km s-min=8.3km s=15.2

4d 11h

VHO	Vista Hermosa	1.75 261	ePn	Pn	11 06 48.7 +0.2
VHO	Vista Hermosa	1.75 261	eS	Sn	11 07 13.2 +0.5
VHO	Vista Hermosa	1.75 261	eP	Pn	11 06 48.7 +0.2
VHO	Vista Hermosa	1.75 261	eS	Sn	11 07 13.2 +0.5
TGIG		1.82 108	ePn	Pn	11 06 49.0 -0.2
TGIG		1.82 108	eS	Sn	11 07 12.2 -1.7
TGIG		1.82 108	eP	Pn	11 06 49.0 -0.2
TGIG		1.82 108	eS	Sn	11 07 12.2 -1.7
TGBT	Tuxtla Gutierrez	1.85 108	eP	Pn	11 06 48.5 -0.9
TGBT	Tuxtla Gutierrez	1.85 108	eS	Sn	11 07 12.5 -1.9
HUIG	Huatulco	1.94 216	ePn	Pn	11 06 48.3 -2.3
HUIG	Huatulco	1.94 216	eS	Sn	11 07 14.3 -2.1
HUIG	Huatulco	1.94 216	eP	Pn	11 06 48.3 -2.3
HUIG	Huatulco	1.94 216	eS	Sn	11 07 14.3 -2.1
PANG	Puerto Angel	2.24 222	eP	Pn	11 06 51.4 -2.7
PANG	Puerto Angel	2.24 222	eS	Sn	11 07 18.4 -4.4
PCIG		2.31 135	ePn	Pn	11 07 53.9 -1.9
PCIG		2.31 135	eS	Sn	11 07 22.7 -1.8
PCIG		2.31 135	eP	Pn	11 06 55.1 0.0
PCIG		2.31 135	eS	Sn	11 07 22.7 -1.8
LVIG	Laguna Verde	2.75 329	ePn	Pn	11 06 59.0 -1.6
LVIG	Laguna Verde	2.75 329	eS	Sn	11 07 29.4 -4.9
TLUG	Tlapa	3.48 274	ePn	Pn	11 07 10.1 0.0
TLUG	Tlapa	3.48 274	eS	Sn	11 07 45.2 -6.1
UNM	Universidad Na	4.49 297	ePn	Pn	11 07 25.6 +2.0
APG	El Apazote	4.88 118	eP	Pn	11 07 27.1 -1.6
APG	El Apazote	4.88 118	eS	Sn	11 08 20.0 -4.6
MYIG	Mrida	6.07 53	ePn	Pn	11 07 43.6 -0.8
JRQC	Juriquilla Cam	6.20 303	ePn	Pn	11 07 47.9 +1.6
MOIG	Morelia	6.38 292	ePn	Pn	11 07 50.8 +2.1
TEIG	Tapich	6.92 65	ePn	Pn	11 07 52.7 -1.8
LNIG	Linares	8.62 331	ePn	Pn	11 08 16.8 -1.8
833A	Chaparral WMA	11.67 340	ePn	Pn	11 09 03.6 -3.2
833A	Chaparral WMA	11.67 340	eS	Sn	11 09 01.0 +1.9
JTS	JuntasAbangare	11.96 125	eP	Pn	11 09 02.6 -0.4
JTS	JuntasAbangare	11.96 125	eS	Sn	11 09 03.6 +0.6
441A	DeRidder	13.43 6	eP	Pn	11 09 24.6 -1.8
435B	Jarrell	13.59 350	eP	P	11 09 27.7 -0.4
435B	Jarrell	13.59 350	eS	Sn	11 09 28.8 +0.7
JCT	Junction City	13.80 342	ePn	P	11 09 30.3 -0.3
446A	Poplarville	14.31 20	eP	P	11 09 35.1 -1.0
TXAR	Lajitas Array	14.37 328	eP	P	11 09 36.6 -0.4
TX31	Lajitas Ar. Si	14.37 328	ePn	Pn	11 09 34.9 +0.9
344A	Westbrook Farm	14.55 14	eP	P	11 09 38.5 -0.2
447A	Lucedale	14.55 22	ePn	Pn	11 09 37.4 +1.2
447A	Lucedale	14.55 22	eS	Sn	11 09 37.3 +1.2
345A	Thompson Farm	14.59 17	eP	P	11 09 39.3 0.0
WHTX	Lake Whitney	14.76 352	ePn	Pn	11 09 39.1 +0.4
WHTX	Lake Whitney	14.76 352	eS	Sn	11 09 40.6 -0.4
346A	Big Creek Wild	14.83 19	ePn	Pn	11 09 40.1 +0.5
346A	Big Creek Wild	14.83 19	eS	Sn	11 09 39.5 -0.1
448A	Bay Minette	14.97 24	eP	Pn	11 09 41.0 -0.4
348A	Jackson	15.38 23	eP	Pn	11 09 46.3 -0.2
349A	Repton	15.61 25	eP	Pn	11 09 46.9 -2.4
ABTX	Abilene, Hawle	15.79 345	ePn	Pn	11 09 52.0 +0.4
ABTX	Abilene, Hawle	15.79 345	eS	Sn	11 09 52.7 +0.1
Z41A	Richland Creek	15.95 6	ePn	Pn	11 09 52.1 -1.4
Z41A	Richland Creek	15.95 6	eS	Sn	11 09 54.4 0.0
350A	Dozier	16.03 28	eP	Pn	11 09 53.9 -0.7
146A	Union	16.12 18	ePn	Pn	11 09 56.6 +0.5
249A	Camden	16.18 24	eP	P	11 09 58.3 +1.4
351A	Pinckard	16.25 30	eP	Pn	11 09 56.9 -0.2
WLAR	White Oak Lake	16.35 5	ePn	P	11 09 58.8 +1.1
147A	Livingston	16.40 20	ePn	Pn	11 09 57.0 -1.9
147A	Livingston	16.40 20	eS	Sn	11 09 58.8 -0.2
656A	Williston	16.49 41	eP	Pn	11 09 54.2 -5.9
250A	Grady	16.54 27	ePn	P	11 10 02.4 +1.5
250A	Grady	16.54 27	eS	Sn	11 10 01.0 +0.1
453A	Whigham	16.55 34	ePn	P	11 10 02.5 +1.5
453A	Whigham	16.55 34	eS	Sn	11 09 58.7 -2.1
MTDJ	Mount Denham	16.59 84	ePn	P	11 10 02.0 +0.4
148A	Greensboro	16.61 22	eP	Pn	11 10 00.0 -1.6
Z45A	Winona	16.63 15	ePn	Pn	11 10 04.4 +2.6
Z45A	Winona	16.63 15	eS	Sn	11 10 01.8 0.0
Z46A	Louisville	16.67 18	eP	P	11 10 01.5 -0.7
352A	Blakely	16.74 31	eP	Pn	11 10 05.4 +2.3
352A	Blakely	16.74 31	eS	Sn	11 10 02.0 -1.0
149A	Jones	16.86 24	eP	P	11 10 03.4 -1.0
Z47A	Carrollton	16.95 20	eP	Pn	11 10 05.8 +0.2
251A	Midway	17.02 29	eP	P	11 10 05.3 -0.9
GDLE	Guadalupe Moun	17.07 332	eP	Pn	11 10 09.6 +2.2
Y44A	Strider, Charl	17.07 13	eP	P	11 10 06.7 0.0
Y45A	Yeager Farm, C	17.14 15	eP	Pn	11 10 08.1 +0.2
MNTX	Cornudas Mount	17.14 328	eP	Pn	11 10 09.9 +1.8
MNTX	Cornudas Mount	17.14 328	eS	Sn	11 10 10.9 +2.8
MIAR	Mount Ida	17.17 4	eP	P	11 10 07.5 -0.2
MIAR	Mount Ida	17.17 4	eS	Sn	11 10 08.5 +0.2
X37A	Clayton	17.17 359	eP	Pn	11 10 08.1 -0.3
LRAL	Lakeview Retre	17.17 23	eP	Pn	11 10 08.1 -0.3
LRAL	Lakeview Retre	17.17 23	eS	Sn	11 10 07.6 -0.2
150A	Eclectic	17.19 26	eP	Pn	11 10 08.5 -0.1
X41A	Kaden, Bauxite	17.21 7	eP	Pn	11 10 09.3 +0.5
252A	Lumpkin	17.26 30	eP	P	11 10 08.9 +0.2
Z48A	Northport	17.28 21	eP	P	11 10 08.4 -0.6
Y46A	Houston	17.34 17	eP	P	11 10 09.8 +0.1
X42A	Stuttgart	17.38 9	eP	P	11 10 09.4 -0.7
151A	Opelika	17.42 28	eP	P	11 10 10.5 0.0
X43A	Marvell	17.48 11	eP	Pn	11 10 12.5 +0.5
Z49A	Columbiana	17.49 24	eP	Pn	11 10 12.0 -0.2
UALR	University of	17.51 7	eP	P	11 10 11.4 0.0
WMOK	Wichita Mounta	17.66 349	eP	P	11 10 13.5 +0.4
Y47A	UCPARC, Winfie	17.66 20	eP	Pn	11 10 14.3 +0.1
X45A	UM Field Stati	17.71 15	eP	Pn	11 10 14.3 -0.5

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OXF	Oxford	17.79 15	eP	P	11 10 14.4 -0.1
Z50A	Ashland	17.79 25	eP	Pn	11 10 15.2 -0.6
Z50A	Ashland	17.79 25	eS	Sn	11 10 15.4 -0.4
W39A	Magazine	17.80 3	eP	Pn	11 10 16.1 +0.2
W39A	Magazine	17.80 3	eS	Sn	11 10 15.8 -0.1
152A	Waverly Hall	17.82 29	eP	Pn	11 10 15.5 -0.7
152A	Waverly Hall	17.82 29	eS	Sn	11 10 14.7 -0.2
Y48A	Jasper	17.90 21	eP	P	11 10 16.1 +0.3
W41B	Gary Mavity, V	17.91 7	eP	Pn	11 10 16.7 -0.4
W41B	Gary Mavity, V	17.91 7	eS	Sn	11 10 16.0 +0.2
WHAR	Woolly Hollow	18.02 7	eP	Pn	11 10 18.4 -0.1
X46A	Booneville	18.05 17	eP	P	11 10 15.8 -1.6
W43A	Forest City	18.06 11	eP	P	11 10 15.7 -1.8
Y49A	Blount Mountai	18.13 23	eP	P	11 10 18.2 -0.1
Y49A	Blount Mountai	18.13 23	eS	Sn	11 10 16.4 -1.9
Z51A	Franklin	18.16 27	eP	P	11 10 18.1 -0.5
X71A	Russelville	18.23 19	eP	P	11 10 18.5 -0.9
Z52A	Williamson	18.39 29	eP	P	11 10 19.5 -1.6
Y50A	Piedmont	18.42 25	eP	P	11 10 20.0 -1.5
X48A	Hartselle	18.43 21	eP	P	11 10 21.1 -0.5
X48A	Hartselle	18.43 21	eS	Sn	11 10 20.5 -1.1
AMTX	Amarillo	18.47 342	eP	Pn	11 10 24.6 +0.7
TUL1	Leonard	18.50 358	eP	P	11 10 22.8 +0.4
TUL1	Leonard	18.50 358	eS	Sn	11 10 21.9 -0.4
V41A	Mountainview	18.52 7	eP	P	11 10 23.0 +0.4
PLAL	Pickwick Lake	18.59 18	eP	P	11 10 23.4 +0.1
V42A	Cord	18.65 9	eP	P	11 10 24.2 +0.3
W46A	Michie	18.65 17	eP	P	11 10 24.1 +0.2
Y51A	Rockmart	18.70 26	eP	P	11 10 24.1 -0.5
X49A	Woodville	18.74 23	eP	P	11 10 24.4 -0.5
Z53A	Monticello	18.87 31	eP	P	11 10 24.7 -1.7
155A	Kite	18.91 34	eP	P	11 10 23.2 -3.7
X50B	Fort Payne	18.95 24	eP	P	11 10 25.5 -1.8
W47A	Westpoint	18.99 19	eP	P	11 10 24.8 -2.8
U40A	Yellville	19.02 5	eP	P	11 10 28.8 +0.8
GOGA	Godfrey	19.02 31	eP	P	11 10 27.9 -0.2
GOGA	Godfrey	19.02 31	eS	Sn	11 10 27.3 -0.7
W48A	Pulaski	19.09 20	eP	P	11 10 26.7 -2.1
U41A	Viola	19.11 7	eP	P	11 10 29.2 +0.3
Y52A	Libburn	19.12 29	eP	P	11 10 28.7 -0.4
Y52A	Libburn	19.12 29	eS	Sn	11 10 28.5 -0.6
Z54A	Sparta	19.20 32	eP	P	11 10 28.9 -1.0
U42A	Reviden	19.21 9	eP	P	11 10 30.1 +0.1
U32A	Winter Ranch,	19.30 350	eP	P	11 10 28.9 -2.1
W49A	Belleme	19.31 22	eP	P	11 10 29.4 -1.7
Y53A	Monroe	19.33 30	eP	P	11 10 30.7 -0.7
V46A	Holladay	19.35 17	eP	P	11 10 30.1 -1.4
U43A	Rector	19.36 11	eP	P	11 10 31.7 0.0
X51A	Calhoun	19.36 26	eP	P	11 10 31.0 -0.8
X51A	Calhoun	19.36 26	eS	Sn	11 10 30.0 -1.8
SWET	Seawane	19.52 23	eP	P	11 10 32.7 -0.7
V47A	Nunnally	19.54 18	eP	P	11 10 32.7 -1.0
V48A	Smith Brothers	19.68 20	eP	P	11 10 34.4 -0.8
V48A	Smith Brothers	19.68 20	eS	Sn	11 10 33.8 -1.3
W50A	Signal Mountai	19.73 24	eP	P	11 10 34.7 -1.1
W50A	Signal Mountai	19.73 24	eS	Sn	11 10 34.6 -1.2
WVT	Waverly	19.73 17	eP	P	11 10 35.5 -0.2
WVT	Waverly	19.73 17	eS	Sn	11 10 34.5 -1.3
PBMO	Poplar Bluff	19.76 11	eP	P	11 10 36.1 +0.2
Y54A	Tignall	19.77 31	eP	P	11 10 33.0 -3.1
X52A	Dalnegga	19.81 28	eP	P	11 10 35.7 -0.9
T41A	Mountain View	19.81 7	eP	P	11 10 36.9 +0.3
T42A	Van Buren	19.89 9	eP	P	11 10 37.2 -0.2
T42A	Van Buren	19.89 9	eS	Sn	11 10 37.8 +0.4
X53A	Estanolle	20.00 29	eP	P	11 10 37.4 -1.2
V49A	McMinville	20.02 22	eP	P	11 10 37.3 -1.5
T43A	Greenville	20.08 11	eP	P	11 10 38.9 -0.5
W52A	Murphy	20.21 27	eP	P	11 10 40.2 -0.7
W52A	Murphy	20.21 27	eS	Sn	11 10 39.7 -1.2
V50A	Pikeville	20.23 24	eP	P	11 10 39.5 -1.5
CPCT	Cooper Cave	20.27 25	eP	P	11 10 39.7 -1.7
HODGE	Hodges	20.28 32	eP	P	11 10 41.0 -0.6
ANMO	Albuquerque	20.32 332	eP	Pn	11 10 46.5 +0.8
S41A	Jillico Farms,	20.35 7	eP	P	11 10 42.5 +0.1
U48A	Cassie Pea, Po	20.48 20	eP	P	11 10 42.8 -0.9
BG3	Lake Jocassee	20.57 29	eP	P	11 10 44.4 -0.3
T46A	Princeton	20.57 16	eP	P	11 10 43.5 -1.2
S43A	Fulton Ridge,	20.59 11	eP	P	11 10 44.1 -0.8
W53A	Cullowee	20.61 28	eP	P	11 10 44.3 -1.0
V51A	Loudon	20.64 25	eP	P	11 10 44.4 -1.1
V51A	Loudon	20.64 25	eS	Sn	11 10 43.4 -2.0
S42A	Caledonia	20.66 9	eP	P	11 10 44.7 -1.0
U49A	Red Boiling Sp	20.73 21	eP	P	11 10 45.3 -1.1
T47A	Sharon Grove	20.74 18	eP	P	11 10 45.2 -1.3

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T47A	Sharon Grove	20.74 18	eP	P	11 10 44.6 -2.0
TKL	Tuckaleechee C	20.75 26	eP	P	11 10 46.0 -0.7
TKL					

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like 049A Covington, M43A Waltham Townsh, M44A Midewin, Midew, etc.

NNC 04 11:07:45.6;2.4, 48.55N;77.83E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=28.1km s-min=10.3km az=72.0, Suspected Mining explosion.

SOME 04 11:07:46.8, 48.72N;77.73E, h10km, ISC 04 11:07:43.5;1.5, 48.54N;0.03;77.6E;0.1, h0km, n6, c=0671/1, 2C-3D, Eastern Kazakhstan

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KURBB Kurchatov Arra, KURKB Kurchatov, KURK Kurchatov, etc.

DHMR 04 11:18:46.5;4.3, 14.72N;42.39E, h9km, 59km, ML3.5, Western Arabian Peninsula

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DHBB Dhamar BB, TRBA At Turbah, LBOS, etc.

ISCJB 04 11:19:32.7;1.1, 51.44N;0.05;16.06E;0.05, h0km, Error ellipse: s-maj=7.4km s-min=3.8km az=26.1

PRU 04 11:19:33.6;0.0, 51.50N;16.15E, h0km, VIE 04 11:19:39.1;1.3, 51.12N;16.30E, h0km, mb2.1/3, ml2.5/4, Error ellipse: s-maj=13.3km s-min=6.1km az=13.0, 45 km W of Wroclaw Suspected Mining induced.

ISC 04 11:19:35.1;1.8, 51.40N;0.08;16.12E;0.05, h0km, n15, c=070/28, Poland

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KSP Ksiaz, UPC Upice, DPC Dobruska-Polom, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BRG Berggieshubel, GOPC Gop Pasary, Ondr, MORC Moravsky Berou, etc.

GUC 04 11:45:17.2;0.6, 35.24S;71.86W, h16km, 5km, ML3.6, ISC 04 11:45:14.7;1.9, 35.21S;72.3W;0.2, h21km, 5km, n12, c=1941/22, 2C, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CCHI Chillan, LMEI Las Melosas, CLCH Cerro Calan, etc.

ISC 04 11:58:46.3;3.3, 12.60S;168.62E, h644km, 46km, mb3.0/6, mb1 3.3/6, mb1mx2.9/31, mbtmp4.0/6, Error ellipse: s-maj=83.8km s-min=17.4km az=148.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

SJA 04 12:04:54.5;0.6, 33.04S;72.02W, h13km, 29km, ML2.9, MW3.7, GUC 04 12:05:02.9;0.5, 32.68S;71.50W, h37km, 5km, ML3.4, ISC 04 12:04:56.6;2.1, 32.81S;0.05;72.0W;0.1, h10km, n22, c=2543/39, 1D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ROCH El Roble, PEL Peledue, CLCH Cerro Calan, etc.

CMCH Combarbala, AUSP Uspallata, RTLS Leoncito, RTLS Cerro Valdivia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RTLS Leoncito, RTLS Cerro Valdivia, AUSP Uspallata, etc.

DHMR 04 12:15:47.2;1.6, 15.13N;41.93E, h16km, 22km, ML3.9, 1D, Red Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ATD Arta Tunnel

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SANA San'a, DHBB Dhamar BB, TRBA At Turbah, etc.

DHMR 04 12:20:37.2;3.7, 14.85N;42.26E, h7km, 27km, ML3.5, Western Arabian Peninsula

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HAJJ Hajjah, DHBB Dhamar BB, TRBA At Turbah, etc.

ISCJB 04 12:27.1;0.8, 38.45N;0.05;28.48E;0.04, h5km, 6km, Error ellipse: s-maj=8.0km s-min=5.2km az=7.4, DDA 04 12:45:27.1, 38.49N;28.49E, h7km, ML2.7, ISC 04 12:45:26.9;1.1, 38.46N;0.05;28.49E;0.04, h9km, 7km, n10, c=044/18, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MANT Manisa, KULA Kula-Manisa, DEMI Demirci, etc.

IDC 04 12:46:39.7;1.0, 15.25S;178.10W, h315km, 117km, mb3.0/5, mb1 3.4/5, mb1mx3.1/36, mbtmp3.7/5, Error ellipse: s-maj=42.3km s-min=24.0km az=164.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like URZ Uremera, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISC 04 12:50:30.6, 40.50N;33.02E, h4km, ML3.0/12, DDA 04 12:50:31.3, 40.55N;33.04E, h6km, ML3.2, ISC 04 12:50:31.2;1.1, 40.53N;0.03;33.04E;0.02, h7km, 10km, n23, c=057/32, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMDR Camlidere-ANKA, CANT Cankiri, LOD Lodumlu, etc.

DHMR 04 12:53:11.4;2.4, 15.25N;41.71E, h14km, 29km, ML3.9, ARO 04 12:53:13.8, 15.1N;31.42E;10.0, h15km, 99km, ML3.9, ISC 04 12:53:12.8;2.7, 15.41N;0.1;41.8E;0.1, h10km, n18, c=047/24, Red Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HAJJ Hajjah, UDYN Al'Udayn, TRBA At Turbah, etc.

Table with columns: ATD, Arta Tunnel, 4.01 164 eP, Pn, 12 54 14.8 +0.4, etc.

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

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

ISCJB 04 13:05:03.6:0.4, 33.98N:0.07:135.13E:0.08, h416km, mb3.5/12, Error ellipse: s-maj=9.9km s-min=3.1km az=150.0

JMA 04 13:05:04.0:0.1, 34.06N:135.15E, h416km, km, M3.4, IDC 04 13:05:04.0:2.0, 33.98N:135.17E, h413km, 9km, mb3.1/20, mb1 3.2/19, mb1mx3.1/60, mbtmp3.9/19, Error ellipse: s-maj=15.6km s-min=10.7km az=80.0

ISC 04 13:05:04.5:0.6, 33.97N:0.09:135.15E:0.08, h416km, n33, 0.557/39, mb3.5/13, Near south coast of western Honshu

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

ISC 04 13:09:30.7:1.0, 49.31N:0.04:19.89E:0.04, h0km, n6, 0.574/12, Poland

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

MEX 04 13:10:04.7:0.4, 16.49N:98.47W, h24km, 20km, MD3.8, Near coast of Guerrero

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

GCMT 04 13:15:05.0:0.4, 21.16S:0.05:173.09W:0.03, h30km, MW5.0/63, Moment Tensor Solution. s22:c23; s63:c84; Duration: 0 Moment tensor: Scale 10^16Nm; Mr:3.88±.29; Mw:1.29±.17; Mo:2.58±.17; Mo:0.89±.20; Mo:0.92±.09; Mw:1.06±.17; Best double couple: Mo:3.7310x10^16 NPT:0.31, 0.00000, 0.85, 0.00000, 2.94, 0.00000. NP2:205.00000, 634.00000, -1.84, 0.00000. Principal axes: T: 1.1520, P: 7.90000, Az: 315.00000; N: -0.8320, P: 3.00000, Az: 209.00000; P: -3.3100, P: 11.11000, Az: 119.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular

moment-rate function Tonga Islands

ISCJB 04 13:15:46.1:0.6, 20.12N:0.05:146.7E:0.1, h33km, mb3.9/12, MS2.8/1, Error ellipse: s-maj=16.0km s-min=7.8km az=4.1

IDC 04 13:15:49.8:3.1, 20.12N:146.55E, h50km, 30km, mb3.6/12, mb1 3.9/14, mb1mx3.7/53, mbtmp4.0/14, ML4.2/2, MS3.4/5, Ms1 3.4/5, ms1mx2.8/46, Error ellipse: s-maj=25.6km s-min=14.3km az=83.0

ISC 04 13:15:48.4:0.7, 20.18N:0.08:146.6E:0.2, h35km, n34, 0.852/39, mb3.9/12, Mariana Islands region

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

ISCJB 04 13:18:43.6:0.5, 5.5S:0.1:11.7W:0.1, h13km, mb4.3/9, MS3.4/6, Error ellipse: s-maj=22.3km s-min=7.2km az=43.0

IDC 04 13:18:43.6:1.4, 5.52S:11.68W, h0km, mb4.2/7, mb1 4.2/8, mb1mx3.9/34, mbtmp4.2/8, ML3.3/1, MS3.4/7, Ms1 3.3/7, ms1mx3.1/38, Error ellipse: s-maj=34.3km s-min=24.8km az=90.0

NEIC 04 13:18:44.9:0.6, 5.55S:11.64W, h10km, mb4.8/3, Error ellipse: s-maj=21.7km s-min=11.2km az=125.0

ISC 04 13:18:45.3:0.8, 5.55S:0.2:117.0W:0.2, h13km, n27, 0.896/19, mb4.3/9, MS3.4/6, Ascension Island region

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

Table with columns: NOA, NORSAR Array B, 68.75 12 LR, 13 58 40.3, etc.

IDC 04 13:29:16.0:4.3, 30.79N:141.08E, h0km, mb3.5/2, mb1 3.7/3, mb1mx3.3/37, mbtmp3.4/3, ML3.2/1, MS3.8/1, Ms1 3.8/1, ms1mx2.5/44, Error ellipse: s-maj=227.7km s-min=33.9km az=79.0, Southeast of Honshu

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

ISCJB 04 13:32:59.9:0.3, 22.96N:0.02:121.55E:0.02, h29km, 2km, Error ellipse: s-maj=3.2km s-min=2.4km az=145.0

JMA 04 13:32:59.9:0.1, 22.99N:121.45E, h41km, 3km, M3.5, TAP 04 13:33:01.3:22.99N:121.42E, h36km, ML 3.7, ISC 04 13:33:00.5:0.9, 22.97N:0.02:121.52E:0.02, h31km, 8km, n102, 1.903/141, 9C-16D, Taiwan region

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TAPS Pump St10, NEA Nenana, WRH Wood River Hill, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VVDA Vanda, VVDA Makanchi Array, MK32 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MATP Matopo, MATP Matopo, LSZ Lusaka, etc.

NEIC 04 14:41:31.0, 2.7, 7.20S; 144.08E, h5km, 17km, mb4.6/13, Error ellipse: s-maj=7.5km s-min=5.9km az=55.0

ILAR 04 14:41:30.8, 0.6, 7.21S; 144.07E, h0km, mb3.4/13, mb1 4.5/19, mb1mx4.3/37, mbtmp4.4/19, ML3.4/4, MS3.7/24, Ms1 3.7/24, ms1mx3.7/31, Error ellipse: s-maj=20.4km s-min=13.2km az=64.0

ISN 04 14:54:55.1, 0.3, 37.36N; 42.61E, h0km, ML2.4, Error ellipse: s-maj=9.5km s-min=5.7km az=143.3

BUJ 04 14:41:32.0, 7.30S; 143.80E, h10km, mb4.7/7, MB4.9/3, Error ellipse: s-maj=6.0km s-min=6.6km az=160.0

ILAR 04 14:41:35.4, 0.4, 7.35S; 144.00E, h35km, n73, c1168/64, mb4.6/20, MS3.7/21, Near south coast of New Guinea

ISN 04 14:54:59.2, 0.2, 37.32N; 42.59E, h12km, ML2.5/4, n6, c85/5/10, Turkey

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

ILAR 04 14:42:48.5, 2.5, 51.62N; 176.07E, h0km, mb3.2/4, mb1 3.8/5, mb1mx3.5/46, mbtmp3.4/5, ML2.6/1, MS3.1/1, Ms1 3.1/1, ms1mx2.3/22, Error ellipse: s-maj=65.1km s-min=36.0km az=2.0

ISN 04 14:54:59.2, 0.2, 37.32N; 42.59E, h12km, ML2.5/4, n6, c85/5/10, Turkey

ISN 04 14:55:23.6, 1.6, 17.65S; 178.13W, h469km, 20km, mb3.3/8, mb1 3.6/10, mb1mx3.3/36, mbtmp4.1/10, Error ellipse: s-maj=68.3km s-min=12.0km az=150.0

ISN 04 14:55:25.4, 1.1, 17.75S; 0.4, 178.00W, 0.2, h500km, n12, c2800/14, mb3.5/8, Fiji Islands region

ISN 04 14:55:23.6, 1.6, 17.65S; 178.13W, h469km, 20km, mb3.3/8, mb1 3.6/10, mb1mx3.3/36, mbtmp4.1/10, Error ellipse: s-maj=68.3km s-min=12.0km az=150.0

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

ISN 04 14:55:25.4, 1.1, 17.75S; 0.4, 178.00W, 0.2, h500km, n12, c2800/14, mb3.5/8, Fiji Islands region

ISN 04 14:55:25.4, 1.1, 17.75S; 0.4, 178.00W, 0.2, h500km, n12, c2800/14, mb3.5/8, Fiji Islands region

ISN 04 15:05:50.1, 0.7, 7.48S; 144.11E, h35km, mb4.0/1, Error ellipse: s-maj=15.0km s-min=10.9km az=89.0

ISN 04 15:05:50.1, 0.7, 7.48S; 144.11E, h35km, mb4.0/1, Error ellipse: s-maj=15.0km s-min=10.9km az=89.0

ISN 04 15:05:50.1, 0.7, 7.48S; 144.11E, h35km, mb4.0/1, Error ellipse: s-maj=15.0km s-min=10.9km az=89.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PMG Port Moresby, WB2 Warramunga Arr, WB2 Warramunga Arr, etc.

ISN 04 15:05:50.1, 0.7, 7.48S; 144.11E, h35km, mb4.0/1, Error ellipse: s-maj=15.0km s-min=10.9km az=89.0

ISN 04 15:05:50.1, 0.7, 7.48S; 144.11E, h35km, mb4.0/1, Error ellipse: s-maj=15.0km s-min=10.9km az=89.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like T25A Trinidad, T25A Trinidad, T25A Trinidad, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like T25A Trinidad, T25A Trinidad, T25A Trinidad, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like T25A Trinidad, T25A Trinidad, T25A Trinidad, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SDCO, S22A, Q24A, ANMO, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MIAR, HLID, G0Z, WB1B, BAR, NVAR, ULM, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PMRV, EPLA, PMAFR, MVO, POLO, etc.

DHMR 04 18:49:32.1.6, 15.12N:42.14E, h15km, ML3.6, 1D, Western Arabian Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TRBA At Turbah, LBOS, BDHA Al Bayda'.

TIR 04 18:50:51.3, 42.47N:20.07E, h8km, Md2.8/3 SAR 04 18:50:51.3, 42.47N:20.07E, h8km, Md2.8/3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BCI Bajram Curri, BCI Plav, PVV Berane.

ISC 04 18:50:52.2, 1.0, 42.47N:20.07E, h9km, q9km, n49, c066/92, 6C-8D, Northwestern Balkan Peninsula

Main table for the first section with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations across the Balkan Peninsula.

ISK 04 18:56:22.3, 38.71N:43.19E, h5km, ML2.3/5 DDA 04 18:56:24.0, 38.68N:43.20E, h7km, ML2.7

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

ISC 04 18:56:23.8, 1.2, 38.71N:03.43E, h4km, 12km, n13, c100/22, Turkey

Main table for the second section with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations in Turkey.

ISC 04 18:59:40.3, 0.4, 36.94N:23.18E, h0km, mb4.4/31, mb1.4, 5/41, mb1mx4.4/50, mbtmp4.4/41, ML3.7/10

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AGRB Hanur-Agry, GURD Guroymak-BITLI.

MOS 04 18:59:41.6, 1.1, 36.93N:23.15E, h15km, mb4.9/48, Error ellipse: s-maj=5.5km s-min=3.1km az=86.5

NEIC F01 at Vnissia. ISCJB 04 18:59:44.8, 0.2, 36.94N:01.23, 07E, 0.01, h42km, 1km, mb4.8/15, MS3.6/2, Error ellipse: s-maj=2.4km

BEQ 04 18:59:44.3, 1.3, 36.88N:23.36E, h15km, ML4.4/2 DDA 04 19:00:01.9, 37.55N:23.84E, h17km, ML3.9

TIR 04 19:00:06.6, 37.64N:22.54E, h7km, Md4.5/4 ISC 04 18:59:43.6, 0.6, 36.92N:23.07E, 0.02, h20km, 2km, n722, c1959/814, mb4.9/15, 46C-25D, Southern Greece

Main table for the third section with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations in Southern Greece.

KLV Kalavryta, Ach 1.34 327 P Pn 19 00 07.2 -0.1 KLV Kalavryta, Ach 1.34 327 S S S 19 00 25.5 +0.6

comp=E,16815um,0.4s AML AML 19 00 28.8 KLV comp=N,18065um,0.7s AML AML 19 00 29.8

KLV Kalavryta, Ach 1.34 327 P S Pn 19 00 07.2 -0.1 PROD Prodromos 1.34 354 S S S 19 00 27.5 +0.5

comp=E,20600um,0.3s AML AML 19 00 32.3 DION Dionios Attik 1.34 30 P S S 19 00 07.2 -0.1

comp=N,2153um,0.4s AML AML 19 00 25.0 +0.4 DION comp=E,25945um,0.8s AML AML 19 00 31.7

comp=N,16796um,0.4s AML AML 19 00 10.6 -0.1 DRO Drossia 1.49 314 P P 19 00 10.4 -0.3

LAKA Lakka 1.45 314 P P 19 00 10.4 -0.2 LAKA Lakka 1.58 327 P P 19 00 10.6 -0.1

comp=N,15105um,0.7s AML AML 19 00 44.0 LAKA Lakka 1.58 327 P Pn 19 00 10.4 -0.2

LAKA Lakka 1.58 327 S S S 19 00 32.4 +0.5 KERA Keramoti 1.60 166 P P 19 00 11.4 +0.5

CHAN Chanina 1.61 150 P P 19 00 10.9 0.0 DLFA Delphi 1.62 344 P P 19 00 12.9 0.0

IMMV Katoia Moni Meta 1.63 153 P P 19 00 11.5 +0.3 IMMV Iera Moni Meta 1.63 133 P P 19 00 11.4 +0.1

KALE Kalithea 1.64 334 ePn Pn 19 00 11.6 +0.1 KALE Kalithea 1.64 334 P P 19 00 11.6 +0.1

comp=N,21057um,0.5s AML AML 19 00 44.1 KALE Kalithea 1.64 334 P Pn 19 00 11.6 +0.1

EREA Eretria 1.64 24 P P 19 00 11.9 +0.4 EREA Eretria 1.64 24 P P 19 00 11.9 +0.4

EREA Eretria 1.64 24 P Pn 19 00 11.6 +0.1 TRIZ Trizonia 1.64 331 P P 19 00 12.0 +0.5

TRIZ Trizonia 1.64 331 P P 19 00 12.0 +0.5 UPRI University Cam 1.70 323 P P 19 00 13.4 +1.1

UPRI University Cam 1.70 323 P P 19 00 12.5 +0.3 RLS Rilos of Patr 1.71 312 P P 19 00 14.1 -0.3

LKR Lokris 1.73 358 P Pn 19 00 12.3 -0.3 LKR Lokris 1.73 358 P Pn 19 00 12.2 -0.3

LKR Lokris 1.73 358 P Pn 19 00 12.3 -0.3 EFP Efpalio 1.76 329 P Pn 19 00 13.8 +0.7

EFP Efpalio 1.76 329 P Pn 19 00 13.8 +0.7 VAM Vamos 1.77 149 P P 19 00 13.4 +0.3

VAM Vamos 1.77 149 P Pn 19 00 13.4 +0.3 VAM Vamos 1.77 149 P Pn 19 00 13.4 +0.3

VAM Vamos 1.77 149 P Pn 19 00 13.4 +0.3 ATAL Atalanti 1.77 359 ePn Pn 19 00 13.3 +0.1

ATAL Atalanti 1.77 359 P Pn 19 00 13.6 +0.5 ATAL Atalanti 1.77 359 P Pn 19 00 13.3 +0.1

TNSA Tinos 1.78 69 P Pn 19 00 14.1 +0.8 VTN Vitineaika 1.80 304 P P 19 00 15.7 -0.3

MRKA Markates 1.83 13 P P 19 00 14.5 +0.4 MRKA Markates 1.83 13 P P 19 00 14.5 +0.4

MRKA Markates 1.83 13 P Pn 19 00 37.5 +0.9 SAP3 Santorini-Thir 1.89 104 P P 19 00 15.6 +0.7

THRS Thira Island, 1.90 105 P Pn 19 00 15.9 +0.9 ANX Ano Chora 1.90 332 P P 19 00 15.6 +0.5

ANX Ano Chora 1.90 332 P Pn 19 00 15.5 +0.5 CMBR Columbo, Santo 1.93 303 P P 19 00 16.4 +0.6

GMBR Columbo, Santo 1.93 303 P Pn 19 00 16.0 +0.6 PRNS Prines Rethymn 1.94 143 P Pn 19 00 15.8 +0.3

THR3 Thira Island, 1.94 105 ePn Pn 19 00 16.7 +1.2 THR3 Thira Island, 1.94 105 P Pn 19 00 16.7 +1.2

4d 18h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like GROG, IIGN, IDID, BCLA, etc.

2012 DEC

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like FURI, LVZ, SVE, ARAO, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MOY, LSA, ZAK, MATP, etc.

4d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TKM2, GYMT, KEK2, etc.

IDC 04 22:24:17.7-6.4, 17785.0:17727W, h0km, mb3.8/3, mb1.4/1.3, mb1mx3.7/27, mbtmp3.8/3, Error ellipse: s-maj=274.9km s-min=38.1km az=142.0, Fiji Islands region

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

ISCJB 04 22:28:16.4-0.9, 42.8S:0.2:83.3E:0.3, h10km, mb4.3/9, MS3.7/11, Error ellipse: s-maj=28.9km s-min=22.3km az=162.6

IDC 04 22:28:16.2-1.0, 42.84S:83.17E, h0km, mb4.2/9, mb1.4/3.9, mb1mx4.0/32, mbtmp4.2/9, MS3.7/11, Ms1.3/7.11, ms1mx3.5/29, Error ellipse: s-maj=32.8km s-min=25.8km az=71.0

ISC 04 22:28:19.0-1.0, 42.8S:0.2:83.2E:0.3, h10km, n20, c0592/12, mb4.2/9, MS3.7/11, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H01W2, H01W3, H01W1, etc.

JMA 04 22:40:40.3-0.1, 37.06N:141.37E, h32km, 1km, M3.5, Near east coast of eastern Honshu

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

NIED 04 22:45:00.31:20N:128.80E, h11km, Mw3.5 Best double couple: M1.840000:1014:356.00000, 879.00000, lambda=174.00000, NP2=264.00000, delta=0.00000, lambda=11.00000

JMA 04 22:45:32.7-0.2, 31.23N:128.85E, h0km, M3.5, Northwest of Ryukyu Islands

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

2012 DEC

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

ISCJB 04 22:53:22.2-0.6, 63.04N:103.3:19E:0.10, h10km, Error ellipse: s-maj=6.3km s-min=3.9km az=10.7

BER 04 22:53:25.5-2.6, 63.05N:2.97E, h10km, ML2.4, ML2.7(NAO)

NAO 04 22:53:25.1-3.4, 62.96N:3.18E, h11km, 19km, ML2.7 IDC 04 22:53:27.3-4.6, 63.17N:3.73E, h0km, mb1.3/5.3, mb1mx3.1/53, mbtmp3.3/3, ML2.7/3, Error ellipse: s-maj=45.5km s-min=29.5km az=78.0

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

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

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

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

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

ISC 04 22:53:21.7-1.4, 63.07N:0.05:2.85E:0.07, h10km, n38, c0259/64, TD, Norwegian Sea

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

IDC 04 23:02:50.2-0.7, 37.32N:138.80E, h0km, mb3.7/12, mb1.4/0.13, mb1mx3.8/52, mbtmp3.8/13, ML3.8/1, MS3.3/2, Ms1.3/9.7, ms1mx4.2/27, mbtmp4.7/10, ML4.5/2, MS3.9/7, Error ellipse: s-maj=22.9km s-min=8.8km az=111.0

ISCJB 04 23:02:51.7-0.4, 37.26N:0.03:138.89E:0.04, h26km, 3km, mb3.9/17, MS4.0/1, Error ellipse: s-maj=6.5km s-min=4.1km az=34.1

JMA 04 23:02:52.5-37.25N:138.94E, h11km, 1km, M4.1 Broadband fault plane solution: P waves. NP1: phi=19.00000, delta=63.00000, lambda=47.00000, delta=0.00000, lambda=144.00000. Principal axes: T: P1651.00000, Azm238.00000; N: P1638.00000, Azm42.00000; P: P168.00000, Azm138.00000;

JMA Flg III J1. NEIC 04 23:02:54.1-1.1, 37.18N:138.76E, h29km, 8km, mb4.3/4 Error ellipse: s-maj=7.8km s-min=6.4km az=66.0

NEIC Recorded (3 JMA) in Niigata. ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

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

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

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

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

ISC 04 23:02:51.9-1.0, 37.26N:0.04:138.88E:0.04, h12km, 6km, mb4.19/0.04, mb4.0/17, 2C-2D, Near west coast of eastern Honshu

5d 0h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Prado, Limon Verde, Villavicencio, etc.

NIED 05 00:25:00, 24.00N, 122.30E, h23km, Mw3.7. Best double couple: M=4.31000x10^14 NP1=3.15, 0.00000, 8.30, 0.00000, 1.58, 0.00000. NP2=6.65, 0.00000, 8.79, 0.00000, 1.62, 0.00000.

ISC 05 00:25:24.1, 1.0, 24.21N, 122.38E, h0km, mb3.7/6, mb1 3.8/6, mb1mx3.5/46, mbtmp3.7/6, MS3.5/4, Ms1 3.5/4, ms1mx2.8/43, Error ellipse: s-maj=66.2km s-min=18.9km az=66.0

ISCJB 05 00:25:27.6, 0.3, 23.97N, 122.29E, h23km, 3km, mb3.6/2, MS2.9/1, Error ellipse: s-maj=3.1km s-min=2.1km bz=137.1

JMA 05 00:25:27.1, 0.2, 23.97N, 122.27E, h18km, 4km, M3.6 TAP 05 00:25:27.6, 24.02N, 122.29E, h24km, ML3.9, D ISC 05 00:25:26.7, 1.0, 23.99N, 122.30E, h19km, 3km, n121, 0.975/167, 5C-2D, Taiwan region

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like EOS1, HWA, ENLB, etc.

2012 DEC

Main station list table for 2012 DEC with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like TYC, YUS, Y0M1, etc.

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Main station list table for 172 with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like KNM, KNMB, MHZO, etc.

5d 1h

2012 DEC

LAZ	Ladron	76.34	55	eP	P	01 22 27.5 +1.2
ANMO	Albuquerque	76.36	54	eP	P	01 22 26.9 +0.5
ANMO	Albuquerque	76.36	54	eP	P	01 22 26.9 +0.5
ANMO	Albuquerque	76.36	54	eP	P	01 22 26.2 -0.1
HARR	Harsova	76.56	320	↑P	P	01 22 29.1 +2.1
HARR	Harsova	76.56	320	↑P	P	01 22 29.1 +2.1
LANS	Liptovska Anna	76.57	328	eP	P	01 22 29.3 +2.2
LANS	Liptovska Anna	76.57	328	eP	P	01 22 29.3 +2.2
TLB	Topalu	76.58	320	↑P	P	01 22 29.2 +2.0
TLB	Topalu	76.58	320	↑P	P	01 22 29.2 +2.0
DOPR	Dopca	76.70	323	↑P	P	01 22 31.0 +3.1
E41A	Kenton	76.71	36	P	P	01 22 27.4 -0.4
MFTR	Murfatlar	76.72	320	↑P	P	01 22 29.7 +1.7
PGOR	Pogoanele	76.82	321	↑P	P	01 22 31.1 +2.6
MLR	Muntele Rosu	76.83	322	↑P	P	01 22 30.3 +1.6
MLR	Muntele Rosu	76.83	322	↑P	P	01 22 31.3 +2.6
ISR	Istrita	76.85	322	↑P	P	01 22 31.3 +2.5
ISR	Istrita	76.85	322	↑P	P	01 22 31.3 +2.5
AMRR	Amara	76.89	321	↑P	P	01 22 30.8 +1.7
AMRR	Amara	76.89	321	↑P	P	01 22 30.8 +1.7
SCHO	Schefferville	77.00	20	eP	P	01 22 29.2 -0.2
SCHO	Schefferville	77.00	20	eP	P	01 22 29.2 -0.2
CLL	Collim	77.07	333	eP	P	01 22 30.0 +0.2
CLL	Collim	77.07	333	eP	P	01 22 30.0 +0.2
CLL	Collim	77.07	333	eP	P	01 22 30.0 +0.2
CLL	Collim	77.07	333	eP	P	01 22 30.0 +0.2
SECR	Douglas	77.13	322	↑P	P	01 22 32.5 +2.2
319A	Douglas	77.15	59	eP	P	01 22 31.4 +0.6
DRGR	Arges	77.19	325	↑P	P	01 22 31.8 +1.1
DRGR	Arges	77.19	325	↑P	P	01 22 31.8 +1.1
121A	Cookes Peak, D	77.26	57	P	P	01 22 32.3 +0.9
VOIR	Woir	77.26	323	↑P	P	01 22 33.3 +2.2
SULR	Arges	77.32	321	↑P	P	01 22 33.2 +2.2
ARR	Arges	77.50	323	↑P	P	01 22 35.5 +3.1
BR101	Keskin Array S	77.51	314	eP	P	01 22 33.0 +0.3
BRTR	Keskin Array B	77.51	314	eP	P	01 22 33.0 +0.3
BRTR	Keskin Array B	77.51	314	eP	P	01 22 34.2 +1.5
VRAC	Vranov	77.51	330	P	P	01 22 32.9 +0.5
H40A	Chilil	77.53	38	P	P	01 22 31.8 -0.7
E43A	Lone Tree Farm	77.61	35	P	P	01 22 32.2 -0.7
EKA	Eskdalemuir Ar	77.77	343	P	P	01 22 33.6 0.0
DEV	Deva	77.83	324	↑P	P	01 22 31.1 -3.0
DEV	Deva	77.83	324	↑P	P	01 22 31.1 -3.0
J39A	Decorah	77.93	40	P	P	01 22 33.6 -1.2
K39A	Delwein	78.33	40	P	P	01 22 35.9 -1.1
VLAD	Vladia	78.68	322	↑P	P	01 22 28.8 -1.0
L39A	Vinton	78.73	41	P	P	01 22 38.5 -0.7
H42A	Draeger Farm,	78.76	38	P	P	01 22 38.6 -0.7
KSU1	Kansas State U	78.76	46	P	P	01 22 38.6 -0.8
GEC2	GERRSS Array S	78.93	331	eP	P	01 22 40.3 0.0
GEC2	GERRSS Array S	78.93	331	eP	P	01 22 40.3 0.0
GERES	GERRSS Array B	78.93	331	eP	P	01 22 40.3 0.0
AMTX	Amarillo	79.14	52	eP	P	01 22 42.1 +0.4
AMTX	Amarillo	79.14	52	eP	P	01 22 42.1 +0.4
MSTX	Muleshoe	79.18	53	eP	P	01 22 42.2 +0.3
MSTX	Muleshoe	79.18	53	eP	P	01 22 41.9 0.0
MNTX	Cornudas Mount	79.29	56	eP	P	01 22 42.9 +0.5
MNTX	Cornudas Mount	79.29	56	eP	P	01 22 42.9 +0.5
K42A	Prairie Point,	79.49	39	P	P	01 22 42.0 -1.1
N39A	Derby Farms, D	79.45	42	P	P	01 22 42.9 -0.3
M40A	Post Highland	79.52	41	P	P	01 22 42.8 -0.7
MEM	Membach	79.84	336	↑P	P	01 22 44.3 -0.7
G47A	Hillman	79.87	34	P	P	01 22 44.7 -0.6
N40A	Mertquake, Sal	79.89	41	P	P	01 22 45.2 -0.3
M41A	Milan	80.00	41	P	P	01 22 45.2 -0.9
BCLA	Clavier	80.21	337	↑P	P	01 22 47.5 +0.5
VTS	Vitoshia	80.33	322	↑P	P	01 22 50.4 +2.4
VTS	Vitoshia	80.33	322	↑P	P	01 22 50.4 +2.4
N41A	Harden Midland	80.37	41	P	P	01 22 47.8 -0.3
E51A	G1948 Merrick	80.43	31	P	P	01 22 47.9 -0.4
N42A	Yates City	80.66	41	P	P	01 22 49.2 -0.5
O41A	Passleys Farm,	80.82	42	P	P	01 22 50.2 -0.3
WMOK	Wichita Mounta	80.86	50	eP	P	01 22 50.8 -0.1
WMOK	Wichita Mounta	80.86	50	eP	P	01 22 50.8 -0.1
WMOK	Wichita Mounta	80.86	50	eP	P	01 22 50.0 0.0
J47A	Sumner	81.05	36	P	P	01 22 51.4 -0.2
M44A	Midewin, Midew	81.14	39	P	P	01 22 51.7 -0.4
HDIL	Hopedale	81.22	40	P	P	01 22 52.1 -0.6
L46A	Eue Claire	81.41	38	P	P	01 22 53.3 -0.3
P42A	Winchester	81.50	42	P	P	01 22 53.7 -0.4
MMAI	Mount Meron Ar	81.52	308	P	P	01 22 55.2 +0.8
Q41A	Truxton	81.56	42	P	P	01 22 54.4 0.0
N44A	Piper City	81.57	39	P	P	01 22 54.3 -0.2
TUL1	Leonard	81.59	47	eP	P	01 22 55.0 +0.3
TUL1	Leonard	81.59	47	eP	P	01 22 54.7 0.0
K48A	Perry	81.70	36	P	P	01 22 55.0 -0.2
N45A	Kentland	81.81	39	P	P	01 22 55.3 -0.4
P43A	Skaggs, Pawnee	81.84	41	P	P	01 22 55.6 -0.3
H52A	Wyevale	81.87	32	P	P	01 22 55.3 -0.7
L47A	Sherwood	81.92	37	P	P	01 22 55.8 -0.5
Q42A	Golden Eagle	81.94	42	P	P	01 22 56.3 -0.1
ABTX	Ablene, Hawle	81.95	52	↑P	P	01 22 56.7 +0.1
R41A	Rosebud	82.00	43	P	P	01 22 56.6 -0.2
TX31	Lajitas Ar. Si	82.01	57	eP	P	01 22 57.5 +0.3
LTX	Lajitas	82.01	57	eP	P	01 22 57.5 +0.4
LTX	Lajitas	82.01	57	eP	P	01 22 57.5 +0.4
TXAR	Lajitas Array	82.01	57	eP	P	01 22 57.5 +0.4
TXAR	Lajitas Array	82.01	57	eP	P	01 22 57.5 +0.4

TXAR	Ar Rayn	82.18	295	eP	P	01 23 00.5 +2.4
O45A	Potomac	82.19	40	P	P	01 22 57.4 -0.3
CCM	Cathedral Cave	82.26	43	eP	P	01 22 58.1 0.0
CCM	Cathedral Cave	82.26	43	eP	P	01 22 58.1 0.0
CCM	Cathedral Cave	82.26	43	eP	P	01 22 57.8 -0.4
L48A	N A Amas	82.28	36	P	P	01 22 57.8 -0.4
H48A	Hobbs	82.28	46	eP	P	01 22 58.1 -0.2
R42A	Luebbering	82.30	43	P	P	01 22 58.2 -0.2
S41A	Jillico Farms,	82.38	44	P	P	01 22 58.4 -0.4
P44A	Sand Creek, Wi	82.40	41	P	P	01 22 58.6 -0.3
L49A	Milan	82.42	36	P	P	01 22 58.7 -0.2
G55A	Calabogie	82.53	30	P	P	01 22 58.8 -0.6
N47A	Urbana	82.60	38	P	P	01 22 59.1 -0.7
Q44A	Meyer Farm, Va	82.67	41	P	P	01 22 59.6 -0.6
S42A	Caldonia	82.70	43	P	P	01 23 00.2 -0.3
P45A	Graceland, Par	82.76	40	P	P	01 23 00.1 -0.6
U40A	Yellville	82.78	45	P	P	01 23 00.4 -0.5
T41A	Mountain View	82.79	44	P	P	01 23 00.5 -0.5
M49A	Liberty Center	82.86	36	P	P	01 23 00.8 -0.4
N48A	Decatur	82.91	37	P	P	01 23 00.8 -0.7
P46A	Rosedale	82.94	40	P	P	01 23 01.5 -0.1
H55A	Twohid	82.97	31	P	P	01 23 00.9 -0.7
Q45A	Warren Harvey,	83.08	41	P	P	01 23 02.1 -0.2
T42A	Van Buren	83.14	44	eP	P	01 23 01.9 -0.8
T42A	Van Buren	83.14	44	eP	P	01 23 02.3 -0.4
W39A	Magazine	83.19	46	P	P	01 23 02.7 -0.3
S43A	Fulton Ridge,	83.21	43	P	P	01 23 02.7 -0.4
N49A	Columbus Grove	83.22	37	P	P	01 23 02.7 -0.3
U41A	Viola	83.26	45	P	P	01 23 02.8 -0.5
H56A	Elgin	83.26	30	P	P	01 23 02.6 -0.6
O48A	Farmland	83.34	38	P	P	01 23 03.3 -0.5
JCT	Junction City	83.45	53	eP	P	01 23 04.8 +0.3
JCT	Junction City	83.45	53	eP	P	01 23 04.8 +0.3
JCT	Junction City	83.45	53	eP	P	01 23 04.3 -0.1
P47A	Marionville	83.47	39	P	P	01 23 04.3 -0.1
T43A	Greenville	83.49	43	P	P	01 23 04.3 -0.2
S44A	Carbondale	83.51	42	P	P	01 23 04.5 -0.1
V41A	Mountainview	83.58	45	P	P	01 23 04.4 -0.6
PBMO	Poplar Bluff	83.66	43	eP	P	01 23 05.7 +0.3
MIAR	Mount Ida	83.80	47	eP	P	01 23 06.6 +0.4
MIAR	Mount Ida	83.80	47	eP	P	01 23 29.1 -0.4
MIAR	Mount Ida	83.80	47	eP	P	01 23 06.5 +0.4
MIAR	Mount Ida	83.80	47	eP	P	01 23 29.1 -0.4
MIAR	Mount Ida	83.80	47	eP	P	01 23 06.1 -0.1
T44A	Benton	83.83	43	P	P	01 23 06.3 +0.1
Q47A	Bedord North L	83.84	39	P	P	01 23 06.1 -0.2
S45A	Carrier Mills	83.85	42	P	P	01 23 06.2 -0.2
P48A	Milroy	83.87	39	P	P	01 23 06.0 -0.5
WHAR	Woolly Hollow	83.89	45	eP	P	01 23 06.6 0.0
PPT	Papeete	83.91	122	LR	LR	01 57 18.0
R46A	Gibson Southern	83.92	41	P	P	01 23 06.8 +0.1
V42A	Cord	83.95	45	P	P	01 23 05.9 -1.0
U43A	Rector	84.00	44	P	P	01 23 06.7 -0.4
W41B	Gary Mavity, V	84.00	46	eP	P	01 23 07.2 0.0
W41B	Gary Mavity, V	84.00	46	eP	P	01 23 07.1 -0.1
O50A	Calmar	84.10	37	P	P	01 23 07.2 -0.4
P49A	Miami Univ. Ec	84.13	38	P	P	01 23 07.6 -0.1
Q48A	Not Verson	84.17	39	P	P	01 23 07.7 -0.2
X40A	Basin Creek Fa	84.23	46	P	P	01 23 08.5 +0.1
EIL	Elat	84.25	306	P	P	01 23 09.6 +1.1
ACSO	Alum Creek Sta	84.31	37	P	P	01 23 08.4 -0.2
R47A	Woolly Knot Far	84.31	40	P	P	01 23 08.6 -0.1
P5						

552A	Lynn Haven	91.54	44	P	P	01 23 42.7	-0.8
ESDC	Sonsec Array	92.65	339	P	P	01 23 49.6	+1.1
TOA1	Torodi Ar. Srt	115.06	323	ePKP	PKIKP	01 29 15.9	-1.9
TORD	Torodi Ar. Bea	115.06	323	PKP	PKPdf	01 29 15.9	-1.9
VNDA	Vanda	121.81	176	PKP	PKPdf	01 29 28.7	-0.1
DBIC	Dimbokro	123.61	327	PKP	PKPdf	01 29 33.4	-0.8
DBIC	Dimbokro	123.61	327	PKIKP	PKPdf	01 29 33.4	-0.8
NVL	N'lazarevskaya	145.81	204	ePKP2	PKPbc	01 30 14.1	-0.1
BDFB	Brasilia	148.50	30	PKPbc	PKPbc	01 30 22.8	-0.7
VNA2	Sanas	149.06	198	PKP	PKPbc	01 30 23.2	0.0
VNA2	Neumayer-Watz	150.59	196	PKP	PKPab	01 30 36.0	+2.0
VNA2	Neumayer-Watz	150.59	196	PKP	PKPbc	01 30 27.0	+0.1
VNA3	Neumayer Olymp	150.77	195	PKP	PKPbc	01 30 27.3	0.0
PLCA	Paso Flores	151.71	96	x PKPbc	PKPbc	01 30 30.2	-0.3
CPUP	Villa Florida	152.93	67	ePKPbc	PKPbc	01 30 32.9	-0.7
CPUP	Villa Florida	152.93	67	PKP	PKPab	01 30 43.9	-1.3

PRU 05 01:17:59.2-0.0,40'.89N-14'.15E, h126km, Double Event?
 BEO 05 01:18:16.5-0.6,42'.59N-13'.41E, h10km, ML4.3/6
 IDC 05 01:18:18.3-0.8,42'.93N-13'.42E, h0km, mb3.8/6
 mb1.3/9.1, mb1mx3.7/50, mbtmp3.7/13, ML3.6/7, MS3.3/9,
 Ms1.3/9, ms1mx2.9/53, Error ellipse: s-maj=15.0km
 s-min=12.9km az=114.0
 PDG 05 01:18:19.9-1.0,42'.98N-13'.70E, h15km, 1km, ML4.0/10,
 Error ellipse: s-maj=0.8km s-min=1.1km az=0.0
 NEIC 05 01:18:19.7-0.0,42'.99N-13'.71E, h12km, ML4.0(ROM),
 After ROM.
 NEIC Feit [IV] in the Ascoli Piceno-San Benedetto del Tronto
 area and [III] at Teramo. Feit in much of Abruzzo, Marche
 and Umbria.
 ISCJB 05 01:18:20.2-0.2,42'.93N-0'.01E, h30km, 1km,
 mb3.9/7, MS3.4/2, Error ellipse: s-maj=2.2km s-min=1.4km
 az=27.3
 ROM 05 01:18:20.3-0.1,42'.915N-0'.004E, h3.662E:0'.009,
 h18km, 1km, ML4.0/144
 LDG 05 01:18:22.1-9.43'N, 14'.14E, h2km, M4.7/12,
 mb5.5/3, mb4.7/12, ML4.6/6, Mw(mb)5.0/3
 STR 05 01:18:22.1-0.8,42.92N-0.02E, h18km, 2km,
 n425, r166/427, mb4.07, MS3.3/3, 18C-16D, Central Italy

Code	Station Name	Δ ^s	AZ ^s	Op	ISC	h	m	s	ISC	Time	Res
OFF1	Offida	0.07	78	P	Pg	01 18 24.1	-0.5				
OFF1	Offida	0.07	78	iP	Pg	01 18 24.1	-0.5				
TRTR	Tortoreto Alta	0.26	116	iP	Pg	01 18 26.2	-0.8				
TRTR	Tortoreto Alta	0.26	116	iP	Pg	01 18 26.2	-0.8				
TRTR				AML	AML						
TRTR				AML	AML						
TRTR				AML	AML						
TRTR				AML	AML						
TRTR				AML	AML						
TRTR				AML	AML						
TRTR				AML	AML						
TRTR				AML	AML						
GUMA	Gualdo di Mace	0.29	60	eP	Pg	01 18 26.6	-0.9				
GUMA	Gualdo di Mace			S	Pg	01 18 31.9	0.0				
GUMA				AML	AML						
GUMA				AML	AML						
GUMA				AML	AML						
GUMA				AML	AML						
GUMA				AML	AML						
GUMA				AML	AML						
GUMA				AML	AML						
TERO	Teramo	0.30	178	iP	Pg	01 18 26.6	-1.1				
TERO	Teramo	0.30	178	eP	Pg	01 18 26.6	-1.1				
TERO				S	Pg	01 18 31.9	-0.3				
TERO				AML	AML						
TERO				comp=N,90100um,1.0s							
TERO				comp=N,92500um,0.3s							
TERO				comp=E,38550um,1.0s							
TERO				comp=N,39250um,0.3s							
TERO				comp=N,90100um,1.0s							
TERO				comp=N,92500um,0.3s							
TERO				comp=E,38550um,1.0s							
TERO				comp=N,39250um,0.3s							
TERO				comp=E,90050um,1.0s							
TERO				comp=N,92500um,0.3s							
TERO				comp=E,38550um,1.0s							
TERO				comp=N,39250um,0.3s							
TERO				comp=E,90050um,1.0s							
TERO				comp=N,92500um,0.3s							
TERO				comp=N,39250um,0.3s							
CADA	Capodarco di F	0.30	24	P	Pg	01 18 27.1	-0.6				
CADA				AML	AML						
CADA				AML	AML						
CADA				AML	AML						
CADA				AML	AML						
CADA				AML	AML						
CADA				AML	AML						
CADA				AML	AML						
CADA				AML	AML						
CSP1	Cessapalombo	0.33	301	eP	Pg	01 18 27.9	-0.4				
CSP1				S	Pg	01 18 34.4	+0.8				
CSP1				AML	AML						
CSP1				comp=E,28200um,0.5s							
CSP1				comp=N,20400um,0.5s							
CSP1				comp=E,28200um,0.5s							
CSP1				comp=N,20400um,0.5s							
NRCA	Norcia	0.36	256	P	Pg	01 18 28.4	-0.4				
NRCA				S	Pg	01 18 35.3	+0.8				
NRCA				AML	AML						
NRCA				comp=E,40650um,1.4s							
NRCA				comp=N,37000um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=E,40650um,1.4s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s							
NRCA				comp=N,37050um,0.8s							
NRCA				comp=E,39750um,1.4s							
NRCA				comp=N,37400um,0.8s					</		

VLX	comp=N,13536µm,0.4s	Pg	03 27 53.4	-1.2
VX	Vlachokerasia	P	03 28 04.0	-0.5
TRIP	Tripoli	P	03 27 56.6	-0.9
TRIP	Tripoli	S	03 28 08.0	-1.4
TRIP	comp=E,6585µm,0.4s	AML	03 28 09.5	
TRIP	comp=N,5067µm,0.6s	AML	03 28 11.5	
TRIP	Tripoli	P	03 27 56.6	-0.9
ITM	Ithomi	P	03 27 58.2	-0.3
ITM		S	03 28 10.0	-1.3
ITM	comp=N,7726µm,0.4s	AML	03 28 16.9	
ITM	comp=E,4417µm,0.5s	AML	03 28 17.3	
ITM	Ithomi	P	03 27 58.3	-0.3
ANKY	Antikythira Is	P	03 28 00.3	+0.1
ANKY	Antikythira Is	P	03 28 00.8	+0.6
MHLO	Agia Marina, M	P	03 28 01.4	+0.7
MHLO	Agia Marina, M	P	03 28 01.4	+0.7
MHLA	Plaka, Milos I	P	03 28 01.0	+0.2
MHLA		S	03 28 16.0	+1.1
MHLA		AML	03 28 26.8	
MHLA	comp=E,5465µm,1.4s	AML	03 28 29.5	
PYL	PYLLOS	P	03 28 00.2	-0.2
PYL	PYLLOS	P	03 28 00.2	-0.2
LUT	Loutraiki	P	03 28 00.6	+0.1
LOUT		S	03 28 15.5	+0.1
MESZ	Methoni	P	03 28 00.7	-0.2
SERI	Serifos	P	03 28 00.9	-0.4
SERI	Serifos	P	03 28 01.4	0.0
ATH	Athens Observa	P	03 28 02.2	+0.2
ATH		S	03 28 18.7	+0.5
ATH		AML	03 28 23.5	
ATH	comp=N,3400µm,0.6s	AML	03 28 23.5	
ATH	Athens Observa	P	03 28 02.3	+0.2
MES3	Kyparissia	P	03 28 19.1	+0.8
MES3		S	03 28 01.9	-0.1
MES3		S	03 28 17.1	-0.3
ATHU	Athens Univers	P	03 28 02.5	+0.1
ATHU		S	03 28 20.2	+1.3
VILL	Villia	P	03 28 21.6	+0.3
AMT	Artemida-Makis	P	03 28 03.5	-0.2
AMT	Artemida-Makis	P	03 28 03.9	+0.2
PTEL	Penteli	P	03 28 04.4	+0.3
DION	Dionisios Attiki	P	03 28 22.6	+0.5
DION		AML	03 28 26.7	
DION	comp=E,2424µm,0.4s	AML	03 28 29.1	
DION	comp=N,2305µm,0.5s	AML	03 28 29.1	
KLV	Kalavryta, Ach	P	03 28 04.3	-0.2
KLV		S	03 28 22.3	0.0
KLV		AML	03 28 24.9	
KLV	comp=E,2016µm,0.4s	AML	03 28 26.9	
KLV	comp=N,2644µm,0.6s	AML	03 28 26.9	
KLV	Kalavryta, Ach	P	03 28 04.4	-0.1
DRO	Drossia	P	03 28 07.7	-0.3
DRO	Drossia	P	03 28 08.1	0.1
ALIK	Aliki, Aigioli	P	03 28 08.4	-0.3
IMMV	Iera Moni Meta	P	03 28 09.0	-0.3
IMMV	Iera Moni Meta	P	03 28 09.0	-0.3
LAKA	Lakka	P	03 28 08.4	+0.7
LAKA	Lakka	P	03 28 08.5	+0.7
KALE	Kalithia	P	03 28 09.5	+0.5
KALE	Kalithia	P	03 28 09.6	+0.9
TRIZ	Trizonia	P	03 28 08.9	+0.3
TRIZ	Trizonia	P	03 28 09.7	+0.6
SERG	Sergouta	P	03 28 09.9	+0.8
VAM	Vamos	P	03 28 13.5	-1.0
VAM	Vamos	P	03 28 11.4	-0.4
RLS	Riolos of Patr	P	03 28 32.2	+0.1
RLS		S	03 28 32.2	+0.1
RLS		AML	03 28 44.1	
RLS	comp=N,1585µm,0.8s	AML	03 28 45.4	
RLS	comp=E,1234µm,1.0s	AML	03 28 45.4	
RLS	Riolos of Patr	P	03 28 11.1	-0.5
LKR	Lokris	P	03 28 09.0	-0.6
ATAL	Atalanti	P	03 28 10.8	+0.5
EFIO	Egialio	P	03 28 11.1	+0.5
MRKA	Markates	P	03 28 11.5	+0.5
SAP3	Santorini-Thir	P	03 28 13.0	-0.7
SAP3	Santorini-Akro	P	03 28 13.8	-1.0
ANX	Ano Chora	P	03 28 12.4	+0.1
ANX	Ano Chora	P	03 28 14.1	+0.1
ANX	Apeiranthos	P	03 28 13.0	+0.4
PVO	Paravolia	P	03 28 16.0	+1.2
IDO	Anoyia	P	03 28 15.5	0.0
IDO	comp=E,6.5nm,0.3s,baz=320,slow=16,SNR=13	Lg	03 28 46.9	
AGG	Agios Georgios	P	03 28 16.6	+0.6
MAKR	Makrakomi, Fth	P	03 28 17.9	+1.4
SKVA	Erythraia	P	03 28 17.3	+0.5
EVIA	Skiathos	P	03 28 17.6	+0.6
NEOKH	Neokhorii	P	03 28 19.0	+0.3
XOR	Xorichiti	P	03 28 19.8	+0.3
FYTO	Fytoko, Volos	P	03 28 20.6	+0.5
THL	Kllokostas Trika	P	03 28 24.7	+0.3
VAY	Vilandofo	P	03 28 48.9	+2.3
STIP	Stip	P	03 28 44.1	+1.9
VAE	Valguarnera	P	03 29 25.8	+4.5
VAE	comp=E,1.2nm,0.3s,baz=311,slow=20,SNR=3.4	S	03 30 42.4	+2.5
VAE	comp=E,0.7nm,0.3s,baz=238,slow=19,SNR=2.5	S	03 29 49.9	+3.9
BLR	Beskin Array B	P	03 29 52.3	+5.0
BLR	comp=E,0.1nm,0.3s,baz=262,slow=11,SNR=7.4	P	03 29 52.3	+5.0
MUNTE	Muntele Ros	P	03 29 52.3	+5.0
MMAI	Mount Meron Ar	P	03 30 13.1	-1.2
MMAI	comp=E,0.2nm,0.3s,baz=103,slow=11,SNR=3.4	P	03 30 13.1	-1.2
EIL	Eilat	P	03 30 32.7	-1.2
EIL	comp=E,0.5nm,0.3s,baz=301,slow=11,SNR=3.4	P	03 30 32.7	-1.2
EIL	comp=E,0.2nm,0.3s,baz=344,slow=16,SNR=2.3	S	03 30 32.7	-1.2
EIL	comp=E,0.1nm,0.3s,baz=287,slow=20,SNR=2.5	S	03 32 41.1	-7.9
GERE	GERESS Array B	P	03 31 03.9	+0.9
GERE	comp=E,0.3nm,0.3s,baz=146,slow=12,SNR=8.6	P	03 31 03.9	+0.9
AKASG	Malin Array Be	P	03 31 09.6	-1.2
AKASG	comp=E,0.8nm,0.3s,baz=210,slow=16,SNR=5.3	P	03 31 09.6	-1.2
GNI	Garni	P	03 37 59.9	
GNI	comp=E,34nm,19.1s,baz=240,slow=36	LR	03 37 59.9	
ESDC	Sonsec Array	P	03 32 30.8	+3.8
ESDC	comp=E,0.7nm,0.7s,baz=78,slow=9.0,SNR=5.0	P	03 32 30.8	+3.8
HFS	Hagfors Array	P	03 32 53.0	-0.8
HFS	comp=E,3.5nm,0.5s,baz=171,slow=10,SNR=16	P	03 32 53.0	-0.8
FINES	FINESS Array B	P	03 32 57.3	-2.1
FINES	comp=E,3.4nm,1.0s,baz=237,slow=6.5,SNR=3.4	P	03 32 57.3	-2.1
NB2	NORSAR Array	P	03 33 04.7	-0.9
NB2	comp=E,0.9nm,0.6s,baz=309,slow=9.2,SNR=3.4	P	03 33 04.7	-0.9
NOA	NORSAR Array B	P	03 33 04.3	-1.3
NOA	comp=E,0.7nm,0.6s,baz=184,slow=17,SNR=10	P	03 33 04.3	-1.3
EKA	Eskdalehill Ar	P	03 33 08.4	-0.3
EKA	comp=E,1.7nm,0.6s,baz=122,slow=9.2,SNR=5.9	P	03 33 08.4	-0.3
TORD	Tordai Ar. Bea	P	03 33 54.5	+2.7
TORD	comp=E,0.6nm,0.8s,baz=36,slow=8.5,SNR=5.5	P	03 33 54.5	+2.7
ARCES	ARCESS Array B	P	03 34 12.5	+1.1
ARCES	comp=E,2.2nm,1.0s,baz=227,slow=16,SNR=5.5	P	03 34 12.5	+1.1
BVAR	Borovoye Array	P	03 34 43.8	+0.3
BVAR	comp=E,2.0nm,0.5s,baz=274,slow=7.7,SNR=4.0	P	03 34 43.8	+0.3
KURBB	Kurchatov Arra	P	03 35 24.3	-0.7
KURBB	comp=E,1.1nm,0.5s,baz=277,slow=8.7,SNR=12	P	03 35 24.3	-0.7
MKAR	Makanchi Array	P	03 35 48.0	-0.5
MKAR	comp=E,1.5nm,0.5s,baz=270,slow=7.2,SNR=29	P	03 35 48.0	-0.5
ZALV	Zalesovo Beam	P	03 35 53.5	-1.2
ZALV	comp=E,4.5nm,0.8s,baz=273,slow=8.4,SNR=12	P	03 35 53.5	-1.2
SONM	Songino Array	P	03 37 43.3	-0.4
SONM	comp=E,2.7nm,0.8s,baz=122,slow=6.8,SNR=7.2	P	03 37 43.3	-0.4
SCHQ	Schefferville	P	03 37 51.7	+0.9
SCHQ	comp=E,3.8nm,1.0s,baz=78,slow=4.4,SNR=5.2	P	03 37 51.7	+0.9
CMAR	Chiang Mai Arr	P	03 38 38.7	-0.1
CMAR	comp=E,1.1nm,0.6s,baz=227,slow=9.0,SNR=8.0	P	03 38 38.7	-0.1
YKA	Yellowknife Arr	P	03 39 21.5	-0.2
YKA	comp=E,0.3nm,0.5s,baz=32,slow=5.3,SNR=9.4	P	03 39 21.5	-0.2
ILAR	Eielson Array	P	03 39 39.5	+0.4
ILAR	comp=E,0.4nm,0.5s,baz=349,slow=3.4,SNR=9.4	P	03 39 39.5	+0.4

KSRS	Korea Array	78.53 52 P	03 39 39.4	-1.2
KSRS	comp=Z,1.5nm,0.6s,baz=302,slow=4.4,SNR=3.7	P	03 39 39.4	-1.2
IDC	05 03:36:52.4,2.4,8.10S:115.63E,h0km,mb3.2/4, mb1 3.4/4,mb1mx3.3/35,mbtmp3.3/4, Error ellipse: s-maj=107.3km s-min=15.2km az=46.0 ISCJB 05 03:37:29.0,6.6,7.7S:0.1,117.31E:0.07,h300km, mb2 9/3, Error ellipse: s-maj=15.1km s-min=9.1km az=10.9 DJA 05 03:37:26.6,0.6,8.10S:10.117.7E:h289km,7km,M3.9/8, mb4.5/4,mb5.0/1,MLV3.6/8,Mw(mB)4.3/1 ISC 05 03:37:25.9,0.9,7.8S:0.1,117.36E:0.08,h300km,n17, az=143/17,mb2.7/3,Bali Sea			
Code	Station Name	Δ° AZ°	Phase ID	Time Res
PLAI	Plampang	1.11 158 P	Op	03 38 06.1 -0.8
SRBI	Singaraja	2.14 262 P	S	03 38 38.6 -0.8
PLAI	Denpasar	2.30 247 P	Pn	03 38 14.0 +0.2
DNP	Denpasar	2.30 247 P	Pn	03 38 15.0 -0.2
IGBI	Denpasar	2.41 245 P	Pn	03 38 15.1 -1.1
WBSI	Waikabubak, Su	2.73 133 P	Pn	03 38 18.9 -0.2
JAGI	Jajaja, Banyuw	3.24 272 P	Pn	03 38 22.1 -1.3
WSI	Wangpau	3.46 133 P	Pn	03 38 33.6 -0.7
BKSI	Bulukamba	3.68 48 P	Pn	03 38 29.5 +0.8
PWJI	Pugerwojo	5.05 267 P	Pn	03 38 49.8 +0.4
PCJI	Pacitan	6.13 266 P	Pn	03 38 56.1 -0.7
WOJI	Wongiri, Jawa	6.37 269 P	Pn	03 38 59.1 -0.6
PPBI	Pangkal Pinang	12.49 296 P	P	03 40 18.5 +3.1
FITZ	Fitzroy Crossi	13.04 143 Sn		03 42 56.1 +1.1
WRA	Warramunga Arr	20.41 128 P	P	03 41 42.8 +1.6
WRA	0.3nm,0.7s,baz=304,slow=10.0,SNR=3.4	S	03 45 46.7 +3.5	
ASAR	Alia Springs	22.39 137 P	P	03 42 01.0 +1.4
ASAR	0.2nm,0.6s,baz=306,slow=8.8,SNR=9.3	P	03 42 01.0 +1.4	
SONM	Songino Array	56.22 351 P	P	03 46 33.8 -1.7
SONM	0.2nm,0.6s,baz=171,slow=9.1,SNR=5.6	P	03 46 33.8 -1.7	
MKAR	Makanchi Array	62.65 334 P	P	03 47 17.1 -2.0
MKAR	0.3nm,0.4s,baz=141,slow=6.7,SNR=5.5	P	03 47 17.1 -2.0	
IDC	05 03:43:18.7,1.8,0.95S:138.31E,h0km,mb3.6/3, mb1 4.0/5,mb1mx3.6/33,mbtmp3.8/5,ML3.9/2, Error ellipse: s-maj=36.2km s-min=22.0km az=87.0,Brian Jaya region			
Code	Station Name	Δ° AZ°	Phase ID	Time Res
JAY	Jayapura	2.85 123 Pn	Pn	03 44 03.8 -1.8
JAY	0.4nm,0.3s,baz=142,slow=9.0,SNR=18	S	03 44 35.0 -5.8	
WRA	Warramunga Arr	19.27 191 P	Pn	03 47 46.4 +0.4
WRA	0.6nm,0.3s,baz=10,slow=12,SNR=28	S	03 51 07.2 -1.6	
WRA	0.1nm,0.3s,baz=9.2,slow=21,SNR=3.0	S	03 51 07.2 -1.6	
FITZ	Fitzroy Crossi	21.10 215 P	P	03 48 06.9 +1.9
FITZ	2.4nm,1.0s,baz=39,slow=15,SNR=4.4	P	03 48 06.9 +1.9	
ASAR	Alia Springs	22.98 190 P	P	03 48 26.6 +1.4
ASAR	3.2nm,0.7s,baz=22,slow=11,SNR=3.9	S	03 48 26.6 +1.4	
MKAR	Makanchi Array	68.16 322 P	P	03 52 36.8 -0.1
MKAR	0.4nm,0.7s,baz=16,slow=24,SNR=2.7	S	03 52 36.8 -0.1	
ASAR	Makanchi Array	68.16 322 P	P	03 54 20.3 -0.6
ASAR	0.2nm,0.6s,baz=125,slow=7.8,SNR=2.7	S	03 54 20.3 -0.6	
GUC	05 04:12:05.1,1.0,51.50N:0.05x16.20E:0.04,h0km,n10, az=131/17,Poland			
Code	Station Name	Δ° AZ°	Phase ID	Time Res
BP12	IPOC Station P	3.24 135 eP	S	03 45 33.5 +0.6
BP12		eS	Pn	03 46 11.3 +0.5
BP12		IAML	Pn	03 46 13.6
BP16	IPOC Station P	3.69 123 eP	Pn	03 45 40.9 +1.6
BP16	comp=N,84nm,0.2s	iS	Pn	03 46 23.9 +1.7
BP16		IAML	Pn	03 46 35.2
PSGC	Pisagua	4.10 143 eP	Pn	03 45 45.0 +0.5
PSGC		eS	Pn	03 46 31.5 +0.0
MNMC	Minye Minye	4.10 133 eP	Pn	03 45 45.5 +0.9
OB11	IPOC Station P	4.51 139 eP	Pn	03 45 50.8 +0.8
OB11		eS	Pn	03 46 41.8 +0.3
ISC	05 04:12:05.1,1.0,51.50N:0.05x16.20E:0.04,h0km,n10, az=131/17,Poland			
Code	Station Name	Δ° AZ°	Phase ID	Time Res
KSP	Ksiaz	0.66 175 eP	Pg	04 12 13.8 -1.1
KSP		eS	Pg	04 12 26.5 +0.1
BRG	Bergjesshubel	1.55 247 eP	Pg	04 12 56.5 +0.8
BRG		SG	Sg	04 12 56.1 +1.2
MORC	Moravsky Berou	1.92 153 eP	Pn	04 12 39.0 -0.1
MORC		eS	Pn	04 13 05.2 -0.3
CLL	Collm	2.01 266 eP	Pg	04 12 43.0 -0.6
CLL		eS	Sg	04 13 11.0 +1.3
VRAC	Vranov	2.24 173 eS	Sg	04 13 14.5 +0.8
KRUC	Korovy	2.41 177 eS	Sb	04 13 23.0 -0.0
OJC	Ojcow	2.61 118 eP	Pg	04 13 16.5 +0.9
OJC		eS	Sg	04 13 30.6 +1.6
LANS	Liptovska Anna	3.15 137 eP	Pg	04 13 06.4 +1.1

5d 7h

Table of astronomical observations for 5d 7h, listing station names, coordinates, and observation details.

2012 DEC

Table of astronomical observations for 2012 DEC, listing station names, coordinates, and observation details.

ISCJB 05:07:26:38.7,0.6,30.25N,0.07:67.87E,0.09,h13km, m-b3.915,MS2.5.1, Error ellipse: s-maj=13.3km

IDC 05:07:26:38.4,0.9,30.22N:67.88E,h0km,mb3.9/13, mb1 4.0.5,ms1mx2.6/42, Error ellipse: s-maj=23.4km

NEIC 05:07:26:40.0,0.5,30.22N:m-b7.67E,h10km,mb4.3/3, Error ellipse: s-maj=11.9km s-min=7.6km az=130.0

ISC 05:07:26:40.5,0.8,30.30N:0.1:67.9E:0.1,h13km,n40, a=10.93,mb3.9/15, Pakistan

Main table of astronomical observations for 2012 DEC, listing station names, coordinates, and observation details.

MEX 05:07:27:30.0,0.7,16.02N:98.30W,h10km,4km,MD3.9, Near coast of Guerrero

Table of astronomical observations for MEX 05:07:27:30.0,0.7,16.02N:98.30W,h10km,4km,MD3.9.

CNRM 05:07:29:15.6,38.66N:11.02W,h30km,ML4.4

ISCJB 05:07:29:20.2,0.6,38.66N:10.02:10.18W,0.04,h10km, Error ellipse: s-maj=7.7km s-min=2.5km az=174.4

MDD 05:07:29:23.8,1.7,38.63N:10.17W,h33km,10km,mbLg2.5/9, Error ellipse: s-maj=12.8km s-min=6.7km az=85.0

PRXIMO INMG 05:07:29:23.0,1.8,38.57N:10.32W,h17km,4km,ML2.3, Error ellipse: s-maj=7.3km s-min=3.2km az=86.0

IGL 05:07:29:23.6,38.60N:10.29W,h22km,ML2.4

ISC 05:07:29:19.8,1.5,38.59N:10.03:10.42W:0.07,h10km,n64, a=20.30/16,Azores-Cape St. Vincent Ridge

Table of astronomical observations for MEX 05:07:29:19.8,1.5,38.59N:10.03:10.42W:0.07,h10km,n64.

Table of astronomical observations for 2012 DEC, listing station names, coordinates, and observation details.

5d 8h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ZAAO Zalesovo Array, ZAAO Kurchatov, KURK Kurchatov, KURB Kurchatov Arra, etc.

IDC 05:08:45:39.0, 0.2, 23.78N, 121.67E, h0km, mb3.6/8, mb1.3/8, mb1mx3.6/38, mbtmpt3.7/9, ML3.7/1, Error ellipse: s-maj=25.6km s-min=19.6km az=64.0

Main table for Southwestern Siberia with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Lists numerous stations including Shilin, Guangfu, Shoufeng, Hualien, Ruisui, Chiawan, etc.

2012 DEC

Main table for 2012 DEC with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Lists stations like Liyutan, Yeheng, Douliu, Zheghua, etc.

190

Table for 190 with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Lists stations like PHUB Penghu, PCYT Pengchayui, TWK1 Hengchun, etc.

DHMR 05:08:50:15.2, 1.4, 15.06N, 124.12E, h3km, 12km, ML4.5

SGS 05:08:50:22.4, 15.27N, 141.98E, h6km

ISC 05:08:50:15.8, 2.0, 15.12N, 120.05, 42.01E, 0.08h, 5km, 18km, n13, 0.1945D, 2C, Western Arabian Peninsula

Table for Western Arabian Peninsula with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Lists stations like FRSS Farasan al Kab, HAJJ Hajjah, etc.

IDC 05:08:52:47.6, 1.9, 14.25N, 92.24W, h0km, mb3.5/4, mb1.3/9, mb1mx2.3/35, mbtmpt3.5/6, ML3.5/2, MS3.0/1, Ms1.3/0.1, ms1mx2.3/35, Error ellipse: s-maj=33.7km s-min=13.6km az=179.0

ISCJB 05:08:52:54.8, 1.4, 14.5N, 0.1x92.1W, 0.1, h67km, mb3.4/4, Error ellipse: s-maj=24.6km s-min=10.6km az=34.8

MEX 05:08:52:57.2, 0.8, 14.6N, 92.23W, h54km, 18km, MD3.9

ISC 05:08:52:56.9, 1.4, 14.6N, 0.2, 92.1W, 0.1, h67km, n14, s175/15, mb3.6/4, Near coast of Chiapas

Table for Near coast of Chiapas with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Lists stations like THIG, FHIG, PCIG, APG, etc.

Table with columns: ANMO, Albuquerque, 24.05 330 P, P, 08 58 08.7 +2.5, etc.

KRNET 05 08:53:48.0.2.1, 41.24N:69.78E, mb2.2
NCC 05 08:53:51.7.3.0, 40.93N:70.37E, h0km, mb2.7, mpv2.2,
Error ellipse: s-maj=30.3km s-min=12.0km az=55.0

ISC 05 08:53:51.2-1.8, 41.17N:0.04:70.0E:0.1, h1km, 15km, n10,
e250/18, 15C-5D, Kyrgyzstan

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

SJA 05 09:12:25.2.0.4, 24.16S:66.98W, h202km, 14km, ML2.3,
MW3.4

IDC 05 09:12:25.8.3.2, 24.21S:66.94W, h186km, 25km, MB3.2/2,
mb1 3.2/5, mb1mx3.1/33, mbtmp3.6/6, Error ellipse:
s-maj=52.2km s-min=12.0km az=172.0

ISCJB 05 09:12:26.8.0.5, 24.10S:0.05:67.02W:0.0, h181km,
mb3.2/2, Error ellipse: s-maj=7.1km s-min=4.8km az=36.3

GUC 05 09:12:27.2.0.6, 24.09S:67.49W, h228km, 23km, ML3.9
ISC 05 09:12:26.2.0.8, 24.11S:0.06:67.00W:0.05, h181km, n30,
e124/38, 7C-1D, Saita Province

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

ISC 05 09:21:10.9.4, 41.02N:33.48E, h5km, ML2.9/11
ISCJB 05 09:21:12.0.0.5, 41.02N:0.03:33.49E:0.03, h1km, 6km,
Error ellipse: s-maj=5.1km s-min=3.7km az=19.2

DDA 05 09:21:12.2.40.99N:33.52E, h7km, ML3.2
ISC 05 09:21:12.0.0.1, 41.00N:0.03:33.50E:0.03, h8km, 9km,
n20, e0577/31, Turkey

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

IDC 05 09:24:58.6.3.9, 21.14S:174.36E, h0km, mb4.1/3,
mb1 4.1/4, mb1mx3.7/32, mbtmp3.9/4, ML2.9/1, Error
ellipse: s-maj=121.5km s-min=45.2km az=178.0

Vanuatu Islands region

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

KRNET 05 09:16:18.6.0.1, 40.18N:77.20E, mb2.8
SOME 05 09:16:19.4.0, 20.28N:77.35E, h5km
ISC 05 09:16:22.5.2.0, 40.34N:0.09:77.10E:0.04, h10km, n24,
e178/48, 12C-9D, Kyrgyzstan-Xinjiang border region

Table with columns: BOOM, Boomsokoye usch, 2.32 338 fl/P, Pb, 09 17 02.5 -2.1, etc.

HEF Hetta, 1.44 67 eP, Pn, 09 30 52.9 -3.7
PAJU Pajala, 1.45 125 eP, Pn, 09 30 53.1 -3.6
ERTU Ertisaerv, 1.56 147 eSN, Sg, 09 31 20.1 +0.7

IDC 05 09:33:46.4.1.1, 29.62S:177.31W, h90km, 10km, mb3.1/3,
mb1 3.4/4, mb1mx3.3/27, mbtmp3.7/4, Error ellipse:
s-maj=68.4km s-min=26.5km az=87.0, Kermdace

Islands

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

MEX 05 09:34:35.6.0.4, 17.62N:101.07W, h16km, 6km, MD3.7,
Near coast of Guerrero

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

PDG 05 09:36:52.4.0.2, 44.14N:15.77E, h4km, ML3.5/10, Error
ellipse: s-maj=0.5km s-min=0.6km az=0.0

PRU 05 09:36:52.6.0.4, 44.16N:15.83E, h0km
SAR 05 09:36:53.0.4, 44.14N:15.80E, h6km, 2km, ML3.5/1
LDG 05 09:36:53.0.1, 44.07N:15.72E, h10km, ML3.5/10, Error
ellipse: s-maj=6.0km s-min=2.4km az=25.0

BE05 09:36:54.3.0.4, 44.18N:15.84E, h2km, ML3.5/10
ISC 05 09:36:52.9.1.3, 44.19N:0.03:15.78E:0.02, h7km, 9km,
n108, e189/173, 16C-13D, Northwestern Balkan
Peninsula

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

ISC 05 09:21:10.9.4, 41.02N:33.48E, h5km, ML2.9/11
ISCJB 05 09:21:12.0.0.5, 41.02N:0.03:33.49E:0.03, h1km, 6km,
Error ellipse: s-maj=5.1km s-min=3.7km az=19.2

DDA 05 09:21:12.2.40.99N:33.52E, h7km, ML3.2
ISC 05 09:21:12.0.0.1, 41.00N:0.03:33.50E:0.03, h8km, 9km,
n20, e0577/31, Turkey

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

IDC 05 09:24:58.6.3.9, 21.14S:174.36E, h0km, mb4.1/3,
mb1 4.1/4, mb1mx3.7/32, mbtmp3.9/4, ML2.9/1, Error
ellipse: s-maj=121.5km s-min=45.2km az=178.0

Vanuatu Islands region

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

HEL 05 09:20:39.3.0.2, 67.88N:20.09E, h0km, ML1.8,
ML0.9(UPP), Explosion, Sweden

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

HEF Hetta, 1.44 67 eP, Pn, 09 30 52.9 -3.7
PAJU Pajala, 1.45 125 eP, Pn, 09 30 53.1 -3.6
ERTU Ertisaerv, 1.56 147 eSN, Sg, 09 31 20.1 +0.7

Table with columns: HEF, Hetta, 1.44 67 eP, Pn, 09 30 52.9 -3.7, etc.

IDC 05 09:33:46.4.1.1, 29.62S:177.31W, h90km, 10km, mb3.1/3,
mb1 3.4/4, mb1mx3.3/27, mbtmp3.7/4, Error ellipse:
s-maj=68.4km s-min=26.5km az=87.0, Kermdace

Islands

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

MEX 05 09:34:35.6.0.4, 17.62N:101.07W, h16km, 6km, MD3.7,
Near coast of Guerrero

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

PDG 05 09:36:52.4.0.2, 44.14N:15.77E, h4km, ML3.5/10, Error
ellipse: s-maj=0.5km s-min=0.6km az=0.0

PRU 05 09:36:52.6.0.4, 44.16N:15.83E, h0km
SAR 05 09:36:53.0.4, 44.14N:15.80E, h6km, 2km, ML3.5/1
LDG 05 09:36:53.0.1, 44.07N:15.72E, h10km, ML3.5/10, Error
ellipse: s-maj=6.0km s-min=2.4km az=25.0

BE05 09:36:54.3.0.4, 44.18N:15.84E, h2km, ML3.5/10
ISC 05 09:36:52.9.1.3, 44.19N:0.03:15.78E:0.02, h7km, 9km,
n108, e189/173, 16C-13D, Northwestern Balkan
Peninsula

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

ISC 05 09:21:10.9.4, 41.02N:33.48E, h5km, ML2.9/11
ISCJB 05 09:21:12.0.0.5, 41.02N:0.03:33.49E:0.03, h1km, 6km,
Error ellipse: s-maj=5.1km s-min=3.7km az=19.2

DDA 05 09:21:12.2.40.99N:33.52E, h7km, ML3.2
ISC 05 09:21:12.0.0.1, 41.00N:0.03:33.50E:0.03, h8km, 9km,
n20, e0577/31, Turkey

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

IDC 05 09:24:58.6.3.9, 21.14S:174.36E, h0km, mb4.1/3,
mb1 4.1/4, mb1mx3.7/32, mbtmp3.9/4, ML2.9/1, Error
ellipse: s-maj=121.5km s-min=45.2km az=178.0

Vanuatu Islands region

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

HEL 05 09:20:39.3.0.2, 67.88N:20.09E, h0km, ML1.8,
ML0.9(UPP), Explosion, Sweden

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

HEF Hetta, 1.44 67 eP, Pn, 09 30 52.9 -3.7
PAJU Pajala, 1.45 125 eP, Pn, 09 30 53.1 -3.6
ERTU Ertisaerv, 1.56 147 eSN, Sg, 09 31 20.1 +0.7

5d 11h

MOTA	Moosalm	147.45 354	eP	PKPab	11 41 50.2	+0.8
WTTA	Wattenberg	147.47 353	epPKPbc	pPKPbc	11 41 49.7	-1.3
MDVR	Moldovita	147.50 339	/P	PKPab	11 41 48.4	-1.2
SOKA	Soboth	147.53 349	epPKPpdf	pPKPpdf	11 41 47.6	-0.8
DAVA	Damuels	147.62 355	ePKIKP	PKPab	11 41 49.5	-0.6
ABTA	Abfaltersbach	147.87 352	ePKIKP	PKPab	11 41 50.1	-0.9
DAVOX	Davos/Dischmat	148.12 355	PKPbc	PKPab	11 41 51.7	-0.4
FUORN	Ofenpass-Fuorn	148.25 355	ePKPdf	PKPpdf	11 41 45.7	-0.8
FNA	Florina	151.09 336	ePKPbc	PKPbc	11 41 56.5	-0.2
ESDC	Somseca Array	153.79 18	PKPab	PKPab	11 42 16.4	+0.8
TOAO	Torodi Ar. Sit	175.23 111	ePKPdf	PKPpdf	11 42 13.4	-0.8
TORD	Torodi Ar. Bea	175.23 111	PKP	PKPpdf	11 42 14.4	+0.1

JMA 05 11:40:36.9.0.2.23.94N.122.30E.h19km.dkm.M3.2
 TRAP 05 11:40:36.9.24.00N.122.28E.h18km.ML3.6.D
 ISCJB 05 11:40:37.8.0.3.23.99N.0.01.122.28E.0.01.h27km.2km,
 Error ellipse: s-maj=2.4km s-min=1.7km az=31.5
 ISC 05 11:40:37.7.1.2.24.00N.0.02.122.27E.0.02.h20km.5km,
 n118.o055/221.Taiwan region

Code	Station Name	Δ° AZ'	Phase ID	Time	Res	ISC
			Op	h m s	ISC	
EOS1	EOS1	0.56 347	I P	11 40 48.8	0.0	
EOS1	EOS1		I S	11 40 57.1	+0.7	
HWA	Hwallen	0.60 268	eS	11 40 58.7	+1.0	
ENLB	Shoufeng	0.61 261	P	11 40 49.8	0.0	
ENLB	Shoufeng		eS	11 40 59.2	+1.2	
TWD	Chiawan	0.62 277	I P	11 40 49.7	-0.1	
TWD	Chiawan		I S	11 40 58.8	+0.7	
NANB	Nanau	0.63 312	I P	11 40 49.7	-0.4	
NANB	Nanau		S	11 41 00.1	-0.8	
NACB	Ninganchiao	0.64 286	P	11 40 50.1	-0.1	
NACB	Ninganchiao		eS	11 40 59.9	-1.1	
ENA	Nanau	0.64 312	I P	11 40 49.9	-0.3	
ENA	Nanau		S	11 40 59.6	+0.8	
TWC	Suao	0.71 328	P	11 40 50.9	-0.6	
TWC	Suao		eS	11 41 00.8	0.0	
JYNG	Yonagunijimaku	0.77 54	eS	11 41 01.0	-1.2	
ESL	Shilin	0.79 256	P	11 40 52.0	-0.6	
ESL	Shilin		eS	11 41 04.0	-0.7	
EGFH	Guangfu	0.84 247	eP	11 40 53.5	0.0	
EGFH	Guangfu		eS	11 41 05.3	-0.7	
EGS	EGS	0.89 340	P	11 40 54.4	-0.1	
EGS	EGS		eS	11 41 06.8	-0.6	
ILA	Ilan	0.90 328	eP	11 40 54.5	0.0	
ILA	Ilan		eS	11 41 07.4	0.0	
ENTT	Nioudou	0.90 315	P	11 40 55.0	-0.2	
ENTT	Nioudou		eS	11 41 07.1	-0.5	
TWE	Neicheng	0.90 323	P	11 40 54.5	0.0	
TWE	Neicheng		eS	11 41 07.2	-0.4	
NNSB	Datong	0.91 298	P	11 40 54.9	0.0	
NNSB	Datong		eS	11 41 07.6	-0.4	
HGSD	Ruisui	0.92 237	eP	11 40 54.1	-0.8	
HGSD	Ruisui		eS	11 41 08.3	+0.2	
NNS	Nan Shan	0.92 298	P	11 40 55.0	-0.1	
NNS	Nan Shan		eS	11 41 07.8	-0.6	
WHF	Hehuan Shan	0.93 279	eP	11 40 54.8	-0.5	
WHF	Hehuan Shan		eS	11 41 08.2	-0.6	
NTC	Toucheng	0.94 335	eP	11 40 55.3	+0.1	
NTC	Toucheng		eS	11 41 08.4	-0.1	
EHY	Hungye	1.00 240	eP	11 40 55.7	-0.6	
EHY	Hungye		eS	11 41 09.2	+0.3	
CHGB	Renai	1.00 274	P	11 40 56.0	-0.4	
CHGB	Renai		S	11 41 10.2	-0.1	
TWT	Tachien	1.03 284	eP	11 40 57.1	0.0	
TWT	Tachien		eS	11 41 11.2	+0.3	
TWB1	Santiao Chiao	1.03 346	eP	11 40 56.7	-0.1	
TWB1	Santiao Chiao		eS	11 41 10.8	0.0	
NWLT	Wulai	1.04 318	eP	11 40 56.3	-0.7	
NWLT	Wulai		eS	11 41 11.2	+0.2	
TDCB	Techi	1.04 284	eP	11 40 56.8	-0.3	
TDCB	Techi		eS	11 41 11.5	+0.2	
YHNB	Yeheng	1.05 309	P	11 40 57.1	0.0	
YHNB	Yeheng		eS	11 41 11.7	+0.3	
VWDT	VWDT	1.06 257	eP	11 40 56.9	-0.4	
VWDT	VWDT		eS	11 41 11.7	+0.3	
NSK	Sanguang	1.07 309	P	11 40 57.2	-0.3	
NSK	Sanguang		eS	11 41 11.7	0.0	
YULB	Yu-li	1.07 236	eP	11 40 56.6	-0.9	
YULB	Yu-li		eS	11 41 12.1	+0.2	
TWF1	Yuli	1.10 234	eP	11 40 57.1	-0.8	
TWF1	Yuli		eS	11 41 12.0	+0.2	
NWF	Wu-fen Shan	1.15 338	eP	11 40 58.4	-0.3	
NWF	Wu-fen Shan		eS	11 41 13.9	0.0	
WFSB	Wu-fen Shan	1.15 338	eP	11 40 58.5	-0.1	
WFSB	Wu-fen Shan		eS	11 41 14.1	+0.3	
TWA	Mucha	1.16 328	eP	11 40 59.2	+0.2	
TWA	Mucha		eS	11 41 13.9	0.0	
FULB	Fuli	1.20 228	eP	11 40 57.8	-1.5	
FULB	Fuli		eS	11 41 15.0	0.0	

2012 DEC

TATO	Taipei	1.20 324	eP	Pn	11 40 59.3	0.0
TATO	Taipei		eS	Sn	11 41 15.3	+0.3
SSLB	Suzungung	1.22 260	P	Pn	11 40 59.2	-0.3
SSLB	Suzungung		eS	Sn	11 41 16.0	+0.5
CHKT	Chengkung	1.22 223	eP	Sn	11 40 59.1	-0.4
CHKT	Chengkung		eS	Sn	11 41 15.7	+0.3
SMLT	Sun Moon Lake	1.25 265	P	Pn	11 40 60.0	-0.2
SMLT	Sun Moon Lake		eS	Sn	11 41 16.8	+0.3
TYC	Yuchr	1.29 266	eP	Sn	11 41 00.5	0.0
TYC	Yuchr		eS	Sb	11 41 17.5	0.0
YMO1	YMO1	1.30 331	eP	Pb	11 41 01.6	+0.1
YMO1	YMO1		eS	Sb	11 41 18.3	+0.5
LIOB	Emei	1.31 300	P	Pb	11 41 01.6	+0.1
LIOB	Emei		eS	Sb	11 41 17.9	0.0
YMO7	YMO7	1.31 333	eP	Pn	11 41 00.4	-0.4
YMO7	YMO7		eS	Sb	11 41 18.1	+0.2
YUS	Yu-Shan	1.31 247	eP	Pn	11 41 00.8	-0.3
YUS	Yu-Shan		eS	Sn	11 41 17.4	-0.9
NSTT	Nanjuang	1.31 299	eP	Sn	11 41 00.9	+0.1
NSTT	Nanjuang		eS	Sb	11 41 18.3	+0.3
YMO10	YMO10	1.31 331	eP	Pn	11 41 00.8	-0.1
YMO10	YMO10		eS	Sn	11 41 17.8	-0.1
YMO11	YMO11	1.32 332	eP	Pn	11 41 00.8	-0.2
YMO11	YMO11		eS	Sn	11 41 18.1	+0.1
YMO5	YMO5	1.32 331	eP	Pn	11 41 01.1	+0.1
YMO5	YMO5		eS	Sb	11 41 18.4	0.0
YMO4	YMO4	1.32 330	eP	Sn	11 41 00.8	-0.2
YMO4	YMO4		eS	Pn	11 41 18.2	+0.1
YMO8	YMO8	1.33 333	eP	Pn	11 41 01.0	-0.1
YMO8	YMO8		eS	Sb	11 41 18.9	+0.3
TWS1	Kuangyinshan	1.34 325	eP	Pn	11 41 01.1	-0.1
TWS1	Kuangyinshan		eS	Sb	11 41 19.1	+0.3
YMO3	YMO3	1.34 331	P	Pn	11 41 01.1	-0.2
YMO3	YMO3		eS	Sb	11 41 19.0	0.0
NTST	Danshui	1.38 327	eP	Pn	11 41 01.4	-0.2
NTST	Danshui		eS	Sn	11 41 19.4	+0.1
NCU	National Centr	1.38 315	eP	Pn	11 41 01.6	-0.1
NCU	National Centr		eS	Sn	11 41 19.4	+0.1
NCUH	Zhongli	1.38 315	eP	Pn	11 41 01.8	+0.1
NCUH	Zhongli		eS	Sn	11 41 19.4	+0.1
IRIF	Iriomote-Funau	1.38 76	P	Pn	11 41 02.1	+0.4
IRIF	Iriomote-Funau		S	Sb	11 41 20.5	+0.6
ELDTW	Lidau	1.40 235	eP	Sn	11 41 01.8	-0.4
ELDTW	Lidau		eS	Sn	11 41 20.2	+0.1
TWQ1	Liyutan	1.41 284	eP	Pb	11 41 03.1	-0.1
TWQ1	Liyutan		eS	Sb	11 41 20.7	0.0
TWY	Chenhua	1.41 335	eP	Pn	11 41 02.5	+0.4
TWY	Chenhua		eS	Sn	11 41 20.2	+0.2
HATJ	Hatsumajima	1.41 87	eS	Sn	11 41 20.1	0.0
SBCB	Hsinchu	1.41 304	eP	Pb	11 41 03.3	+0.1
SBCB	Hsinchu		eS	Sn	11 41 20.2	+0.1
WJS	Zhushan	1.42 263	eP	Pb	11 41 03.7	+0.2
WJS	Zhushan		eS	Sb	11 41 20.9	-0.2
ALS	Alshan	1.43 250	eP	Pn	11 41 02.3	-0.4
ALS	Alshan		eS	Sn	11 41 20.5	-0.4
NSY	Sanyi	1.43 287	eP	Pb	11 41 03.8	+0.1
NSY	Sanyi		eS	Sb	11 41 22.9	+1.4
NMLH	Miaoqi	1.45 292	eP	Pb	11 41 03.9	-0.1
NMLH	Miaoqi		eS	Sb	11 41 21.6	-0.3
WNT	Mingjian	1.45 265	eP	Pn	11 41 03.4	+0.6
WNT	Mingjian		eS	Sn	11 41 21.4	+0.2
TCU	Taichung	1.46 276	eP	Pn	11 41 02.9	+0.1
TCU	Taichung		eS	Sn	11 41 21.6	+0.2
PTSB	Yuanli	1.49 288	eP	Sn	11 41 03.0	-0.3
PTSB	Yuanli		eS	Sn	11 41 22.6	+0.4
WCHH	Zhanghua	1.56 273	eP	Pn	11 41 04.5	+0.2
WCHH	Zhanghua		eS	Sn	11 41 24.6	+0.7
WGK	Gukeng	1.59 259	eP	Sn	11 41 04.5	-0.1
WGK	Gukeng		eS	Sn	11 41 24.8	+0.2
TWGT	Beinan	1.60 223	eP	Pn	11 41 04.0	-0.8
TWGT	Beinan		eS	Sn	11 41 25.6	+0.6
TWG	Pingang	1.61 223	eP	Pn	11 41 04.1	-0.8
TWG	Pingang		eS	Sn	11 41 25.7	+0.7
JKRS	Kuro-shima	1.61 81	P	Pb	11 41 06.5	-0.2
JKRS	Kuro-shima		eS	Sb	11 41 26.5	+0.1
WDLH	Douliu	1.61 259	eP	Pb	11 41 06.0	-0.7
WDLH	Douliu		eS	Sn	11 41 25.6	+0.5
TTN	Tainan	1.61 220	eP	Pn	11 41 04.4	-0.6
STYT	Tauyuan	1.62 239	P	Pn	11 41 05.1	0.0
STYT	Tauyuan		eS	Sn	11 41 25.6	+0.3
PCYT	Pengchaiyu	1.63 354	eP	Pn	11 41 05.0	-0.2
PCYT	Pengchaiyu		eS	Sn	11 41 25.7	+0.1
TPUB	Ta-pu	1.66 245	eP	Pb	11 41 06.6	-0.9
TPUB	Ta-pu					

Table with columns: JHO, Hitachi, 0.66 256 P, Pg, 13 18 01.5 +0.4, SNR=43, GANJ, ARKAR, 1.07 30 i/P, Sg, 13 42 58.9 +0.4, etc.

KRSC 05 13:30:56.8-1.9, 51'49N-159'72E, h69km, 29km, ML3.8, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC, KDTR, Khodutka, Kamc, 1.07 288 eP, Pn, 13 31 16.8 +0.7, etc.

IDC 05 13:33:14.7-67.7, 50'36N-51'50E, h0km, Error ellipse: s-maj=338.9km s-min=94.8km az=92.0, Western Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC, I31KZ, AKTYUBINSK INF, 4.19 94 Op, ISC, 13 39 10.0, etc.

IDC 05 13:39:13.2-5.4, 18'91N-108'02W, h0km, mb3.5/5, mb1 3.9/6, mb1mx3.7/38, mbtmpr3.6/6, ML3.9/1, MS2.9/5, MS1 2.9/5, ms1mx2.7/27, Error ellipse: s-maj=93.3km s-min=54.0km az=3.0

ISC 05 13:39:15.7-3.5, 18.7N-04-108.3W, 0.2, h35km, n12, r=151/9, mb3.5/5, Revilla Gigedo Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC, H06E1, SOCORRO T-PHAS, 2.50 273 Pn, Pn, 13 39 53.1 -0.9, etc.

NSSP 05 13:42:21.7, 41'70N-46'27E, h10km, Ms3.3, AZER 05 13:42:23.0, 41'62N-46'31E, h9km, ml3.0/19, Error ellipse: s-maj=1.3km s-min=0.4km az=344.0

MOS 05 13:42:23.5, 41'72N-46'31E, h8km, MPVA4.0, DRS 05 13:42:24.0, 41'70N-46'22E, h14km, TIF 05 13:42:24.2, 41'67N-46'28E, h10km, 2km, NORS 05 13:42:24.7, 41'70N-46'36E, h19km, DDA 05 13:42:25.7, 41'62N-46'09E, h1km, ML3.3

ISC 05 13:42:25.1, 41'68N-01-46'26E, 0.01, h8km, 8km, n8, r=109/154, 23C-24D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC, DDFL, Dedoflistskaro, 0.26 204 Op, ISC, 13 42 32.4 +0.3, etc.

Main table with columns: GANJ, ARKAR, 1.07 30 i/P, Sg, 13 42 58.9 +0.4, SNR=43, ARKAR, Arakani, 1.07 30 i/P, Sg, 13 42 58.9 +0.4, etc.

KURK Kurchatov, 23.98 57 i/P, P, 13 47 39.9 0.0

IDC 05 13:46:35.9-1.8, 15'29S-173'42W, h0km, mb4.1/8, mb1 4.4/8, mb1mx4.0/38, mbtmpr4.1/8, Error ellipse: s-maj=102.4km s-min=21.5km az=149.0

NEIC 05 13:46:38.5-0.6, 14'77S-173'73W, h10km, mb4.9/6, Error ellipse: s-maj=26.6km s-min=9.6km az=141.0

ISC 05 13:46:42.8-1.0, 14.6S-0.2-173.3W, 0.2, h35km, n38, r=117/30, Samoa Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC, AFI, Afiamalu, 2.06 70 Pn, Pn, 13 47 03.9 -1.1, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ABTX Abilene, BJI Beijing, BJL Beijing, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like MORC Moravsky Berou, PRU Pruhonice, KECS Kecov, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like DVE Vedeno, BUJN Buynaksk, BUJR Buynaksk, etc.

ISCJB 05 13:52:37.91.0.36:64N.0:07.71.0E:0.1, h200km, mb3.1/3, Error ellipse: s-maj=12.3km s-min=9.7km az=2.5

IDC 05 13:52:37.16.1.36:42N.1:20E, h179km, 49km, mb3.1/3, mb1 3.2/7, mb1mx2.9/57, mbtmp3.6/7, Error ellipse: s-maj=59.4km s-min=28.1km az=58.0

NNC 05 13:52:40.9.5.2.36:88N.70.37E, h122km, 124km, mb2.9, mpv3.3, Error ellipse: s-maj=50.5km s-min=39.8km az=68.0

ISC 05 13:52:39.2.1.3.36:73N.0:10.70.8E:0.1, h200km, n13, r:168/20, mb3.3/3, 7C-3D, Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like SFK Sufi-Kurgan, SFK 17nm, 0.4s, MNAS MNAS, etc.

IDC 05 13:53:45.1:930.0, 50:88N, 50:72E, h0km, Error ellipse: s-maj=447.8km s-min=103.1km az=91.0, Western Kazakhstan

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like I31KZ AKTYUBINSK INF, I46RU ZALEVOVO INF, etc.

NVS	comp=N,151nm,2.2s	smax	smax		
NVS	comp=E,220nm,2.2s	smax	smax		
LSA	Lhasa	27.08	89	P	P
LSA	comp=E,51nm,1.3s			pmax	pmax
LSA	comp=E,360nm,4.2s			LR	LR
LSA	comp=E,4µm,20.9s			pmax	pmax
LSA	comp=E,6µm,13.9s			LR	LR
LSA	comp=E,17µm,16.2s			LR	LR
LSA	Lhasa	27.08	89	eP	P
LSA	comp=E,186nm,1.5s			LR	LR
LSA	comp=Z,16µm,20.0s			LR	LR
LEOM	Lhasa	27.08	89	P	P
ZAAO	Leova	27.10	308	↑P	P
ZAAO	Zalesovo Array	27.13	34	↑P	P
ZAAO	comp=Z,106nm,1.0s			P	P
ZAAO	Zalesovo Array	27.13	34	eP	P
ZAAO	comp=Z,110nm,1.0s			LR	LR
ZALV	comp=Z,17µm,18.0s			P	P
ZALV	Zalesovo Beam	27.13	34	P	P
ZALV	comp=Z,30nm,0.7s,baz=240,slow=9.2,SNR=245			S	S
ZALV	comp=Z,11nm,1.1s,baz=253,slow=20,SNR=2.7			P	P
ZALV	comp=Z,15µm,19.1s,baz=218,slow=39			LR	LR
ZALV	Zalesovo Beam	27.13	34	eP	P
ZALV	comp=Z,10µm,18.3s,baz=100,slow=42			S	S
EDRB	Edirne	27.18	297	eP	P
AMRR	Amara	27.23	304	↑P	P
PGOR	Pogorale	27.54	304	↑P	P
PETR	Petresti	27.57	306	↑P	P
ALN	Alexandroupoli	27.61	295	PFAKE	LR
ALN	ALN			LR	LR
IAS	comp=Z,5µm,19.0s				
ISR	Istrita	27.77	309	↑P	P
VRI	Vrincioia	27.90	304	↑P	P
SZH	Sztrazhica	27.95	306	↑P	P
PLOR	Plostina	27.97	300	eP	P
MNCI	Mincioy	28.00	351	↑P	P
MNCI	comp=Z,55nm,1.5s			P	P
SANT	Santorini	28.05	286	PFAKE	LR
SANT	SANT			LR	LR
SANT	comp=Z,6µm,22.0s				
AKASG	Santoiri	28.05	286	↑P	P
AKASG	Malin Array Be	28.07	317	P	P
AKASG	comp=Z,67nm,1.0s,baz=115,slow=8.3,SNR=138			P	P
AKASG	AKASG			PcP	PcP
AKASG	comp=Z,2.5nm,0.5s,baz=93,slow=2.7,SNR=6.2			LR	LR
AKASG	comp=Z,10µm,18.3s,baz=100,slow=42			LR	LR
AKASG	Malin Array Be	28.07	317	P	P
AKASG	AKASG			P	P
AKASG	AKASG			P	P
AKASG	comp=Z,65nm,0.9s			pmax	pmax
AKASG	AKASG			MLR	MLR
AKBB	comp=Z,10µm,18.3s				
AKBB	Malin Array Si	28.07	317	eP	P
AKBB	comp=Z,330nm,1.4s			P	P
AKBB	AKBB			pmax	pmax
KIEV	comp=Z,330nm,1.4s				
KIEV	Kiev	28.07	317	eP	P
KIEV	comp=Z,294nm,1.4s			P	P
KIEV	Kiev	28.07	317	iP	P
KIEV	SNR=75			P	P
KIEV	Kiev	28.07	317	c iP	P
KIEV	KIEV			pmax	pmax
AK11	comp=Z,226nm,1.4s				
SGRR	Malin Array Si	28.09	317	eP	P
SGRR	Singureni	28.11	302	↑P	P
TAWA	Tawang	28.13	93	eP	P
MLR	Muntele Rosu	28.39	305	eP	P
MLR	comp=Z,45nm,0.9s,baz=82,slow=2.7,SNR=23			P	P
MLR	Muntele Rosu	28.39	305	eP	P
MLR	comp=Z,138nm,1.1s			P	P
MLR	Muntele Rosu	28.39	305	↑P	P
MLR	Muntele Rosu	28.39	305	eP	P
MLR	MLR			pmax	pmax
PVL	comp=Z,138nm,1.1s				
PVL	Pavlikeni	28.40	300	eP	P
PVL	Anoyia	28.62	283	P	P
IDI	comp=Z,23nm,0.9s,baz=73,slow=14,SNR=5.8			P	P
IDI	IDI			LR	LR
IDI	comp=Z,4µm,19.6s,baz=108,slow=40				
IDI	Anoyia	28.62	283	eP	P
IDI	IDI			P	P
IDI	comp=Z,152nm,1.4s				
IDI	Anoyia	28.62	283	↑P	P
IDI	Biczaz	28.65	308	↑P	P
PRAR	RASCA	28.68	309	↑P	P
PLD	Plodiv	28.72	298	eP	P
DESE	Dese	28.84	224	eP	P
DESE	DESE			S	S
DESE	Dese	28.84	224	eP	P
DESE	DESE			S	S
HUMR	Humele	28.86	303	↑P	P
DOPR	Dopca	28.88	306	↑P	P
SHL	Shillong	29.09	97	eP	P
SHL	comp=Z,368nm,1.4s			LR	LR
SHL	SHL			LR	LR
SHL	comp=Z,18µm,21.0s				
SHL	Shillong	29.09	97	eP	P
SHL	SHL			pmax	pmax
SHL	comp=Z,368nm,1.4s			MLR	MLR
SHL	SHL			MLR	MLR
SHL	comp=Z,18µm,21.0s				
SHL	Shillong	29.09	97	eP	P
SHL	SHL			P	P
SHL	SHL			P	P
SHL	SHL			S	S
PGB	Panagyurishte	29.16	298	eP	P
MMB	Musomiste	29.40	296	eP	P
BURAR	Bucovina Array	29.41	309	↑P	P
BURAR	Bucovina Ar. S	29.42	309	eP	P
HMDM	Harimaadho	29.43	152	PFAKE	LR
HMDM	HMDM			LR	LR
BUR08	Bucovina Ar. S	29.43	309	eP	P
TEZP	TEZPUR	29.45	95	eP	P
PRGR	Pernogore	29.55	346	↑P	P
PRGR	PRGR			pmax	pmax
BELO	BELOIA	29.72	102	eP	P
ARCH	ARCALIA	29.84	308	↑P	P
VTS	Vitoshia	29.87	298	eP	P
VTS	comp=Z,182nm,1.8s			LR	LR
VTS	VTS			LR	LR
VTS	comp=Z,7µm,18.0s				
VTS	Vitoshia	29.87	298	↑P	P
VTS	Vitoshia	29.87	298	eP	P
VTS	VTS			pmax	pmax
VTS	VTS			pmax	pmax
VTS	comp=Z,182nm,1.8s			MLR	MLR
LOT	Lotro	29.88	304	↑P	P
ZIRO	ZIRO	30.01	92	eP	P
ZIRO	ZIRO			IAMB	IAMB
ZIRO	ZIRO			IAMB	IAMB
ANKE	Ethiopia-Afar	30.01	222	eP	P
ANKE	ANKE			S	S
ANKE	Ethiopia-Afar	30.01	222	eP	P
ANKE	ANKE			S	S
ANKE	Ethiopia-Afar	30.01	222	eP	P
ANKE	ANKE			S	S
ANKE	Ethiopia-Afar	30.01	222	eP	P
ANKE	ANKE			S	S
BRDH	Bariadhala	30.14	103	P	P
BRDH	comp=Z,118nm,0.3s,baz=246,slow=19,SNR=4.7			P	P
SILR	SILCHAR	30.17	98	eP	P
VAY	Valandovo	30.26	296	iP	P
PUNG	Pungina	30.27	302	↑P	P
LITOKOR	Litokoron	30.28	293	eP	P
LITOKOR	comp=Z,26nm,1.0s				
LIT	LIT			LR	LR
LIT	Litokoron	30.28	293	eP	P
LIT	LIT			pmax	pmax
LIT	LIT			pmax	pmax
LIT	comp=Z,26nm,1.0s			MLR	MLR
LIT	LIT			MLR	MLR

KLMR	Klimovskoe	30.32	341	eP	P	17 14 23.1	-1.3
KLMR	KLMR			pmax	pmax		
KLMR	comp=Z,99nm,0.9s						
KLMR	Klimovskoe	30.32	341	eP	P	17 14 23.1	-1.3
KLMR	KLMR			AMP	P	17 14 27.1	
HVS	comp=Z,99nm,0.9s						
HVS	Khovu-Aksy	30.39	44	iP	P	17 14 27.7	+2.4
HVS	HVS			pmax	pmax		
AGG	Agios Georgios	30.41	291	PFAKE	LR	17 14 40.0	+1.4
AGG	AGG			LR	LR		
BMR	Bata Mare	30.55	308	↑P	P	17 14 27.7	+1.1
DEV	Deva	30.56	305	↑P	P	17 14 27.0	+0.3
STIP	Stipa	30.56	296	iP	P	17 14 24.5	-2.3
MICGM	Minsk	30.59	323	eP	P	17 14 24.0	-2.9
MICGM	MICGM			PM	P	17 14 25.0	
MICGM	comp=Z,2.6nm,4.0s						
MICGM	MICGM			ePP	PP	17 15 32.0	-3.8
MICGM	MICGM			ePPP	PPP	17 15 44.0	
MICGM	MICGM			ePcP	PcP	17 17 36.0	+1.1
MICGM	MICGM			eS	S	17 19 20.0	-8.3
MICGM	MICGM			eSS	SsS	17 21 02.0	-3.2
MICGM	MICGM			eSSS	SSS	17 21 06.0	
MICGM	MICGM			eLQ	LQ	17 25 06.0	
MICGM	comp=N,6.6nm,8.0s						
MICGM	MICGM			LQM	LR	17 25 14.0	
MICGM	comp=E,3.3nm,8.0s						
MICGM	MICGM			eLR	LR	17 28 18.0	
MICGM	MICGM			LRM	MLR	17 31 02.0	
MICGM	comp=N,14nm,12.0s						
MICGM	MICGM			LRM	MLR	17 31 46.0	
MICGM	comp=E,12nm,12.0s						
MICGM	MICGM			LRM	MLR	17 31 52.0	
MICGM	comp=Z,32nm,12.0s						
MNK	Minsk	30.59	323	eP	P	17 14 24.0	-2.9
MNK	MNK			e	P	17 15 32.0	
MNK	MNK			ePPP	PPP	17 15 44.0	
MNK	MNK			eS	S	17 19 20.0	-8.3
MNK	MNK			eSS	SsS	17 21 02.0	-3.2
MNK	MNK			eSSS	SSS	17 21 06.0	
MNK	MNK			pmax	pmax	17 21 36.0	
MNK	comp=Z,3µm,4.0s						
MNK	MNK			MLR	MLR	17 31 52.0	
JORH	JORHAT	30.62	93	eP	P	17 14 26.0	-1.4
HERH	Herculane	30.73	303	↑P	P	17 14 27.2	-1.0
LWV	L'vov	30.82	313	eP	P	17 14 29.5	+0.5
ITM	Ithomi	30.82	288	PFAKE	LR	17 14 40.0	+1.1
ITM	ITM			LR	LR		
KOHI	KOHIMA	30.88	95	eP	P	17 14 28.9	-1.0
MOKO	MOKOCHONG	30.99	94	eP	P	17 14 31.2	+0.3
AAE	Adis Abeba	31.02	223	iP	P	17 14 34.4	+3.1
AAE	AAE			eS	S	17 19 46.8	+1.0
AAE	Adis Abeba	31.02	223	iP	P	17 14 34.4	+3.1
AAE	AAE			eS	S	17 19 46.8	+1.0
AAE	Adis Abeba	31.02	223	iP	P	17 14 31.3	-0.1
AAE	AAE						

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like BKB Balikpapan, ERM Ermo, PWJI Pagerwojo, etc.

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like RDOG Red Dog Mine, BATO Baumat, BATI Baumat, etc.

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like DOT DOT, SVW2 Sparrehoof, SKT Skwentna, etc.

5d 17h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NWA0, WRA, WR2, etc.

2012 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LONY, D50A, PEMO, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like H41A, AAM, BBOO, etc.

BOZ BOZ	Bozeman (W)	100.87 354	PFAKE LR	LR	17 22 10.0 +7.5	FVM FVM	French Village	103.61 336	PFAKE LR	LR	17 22 30.0 +15	152A 152A	Waverly Hall	106.10 329	PFAKE LR	LR	17 26 50.0
CNNC CNNC	Cliffs of the	100.87 326	PFAKE LR	LR	17 22 10.0 +7.6	AHID AHID	Auburn Hatcher	103.62 353	PFAKE LR	LR	17 22 30.0 +15	Z50A Z50A	Ashland	106.10 330	PFAKE LR	LR	17 26 50.0
SCIA SCIA	State Center	100.91 340	PFAKE LR	LR	17 22 10.0 +7.5	CPCT CPCT	Cooper Cave	103.62 331	PFAKE LR	LR	17 22 30.0 +15	WDC WDC	Whiskeytown Da	106.25 2	PFAKE LR	LR	17 26 50.0
HDIL HDIL	Hopedale	100.91 336	PFAKE LR	LR	17 22 10.0 +7.5	W52A W52A	Murphy	103.68 330	PFAKE LR	LR	17 22 30.0 +15	HHAR HHAR	Hobbs	106.30 338	PFAKE LR	LR	17 26 50.0
STKA STKA	Stevens Creek	100.94 121	P	Pdf	17 22 01.1 -1.5	NHSC NHSC	New Hope	103.70 326	PFAKE LR	LR	17 22 30.0 +15	DUG DUG	Dugway, Toole	106.33 354	PFAKE LR	LR	17 26 50.0
STKA STKA	Stevens Creek	100.94 121	P	Pdf	17 22 01.1 -1.5	HODGE HODGE	Hodges	103.70 328	PFAKE LR	LR	17 22 30.0 +15	OXF OXF	Oxford	106.36 334	PFAKE LR	LR	17 26 50.0
F07A F07A	Phinny Hill Vi	100.97 360	PFAKE LR	LR	17 22 10.0 +7.3	CCM CCM	Cathedral Cave	103.81 337	PFAKE LR	LR	17 22 30.0 +14	253A 253A	Americus	106.36 328	PFAKE LR	LR	17 26 50.0
RLMT RLMT	Red Lodge	101.09 352	PFAKE LR	LR	17 22 10.0 +6.4	T45A T45A	Paducah	103.84 334	PFAKE LR	LR	17 22 30.0 +14	BMN BMN	Battle Mountai	106.37 357	PFAKE LR	LR	17 26 50.0
BLO BLO	Bloomington	101.16 334	PFAKE LR	LR	17 22 10.0 +6.3	OGNE OGNE	Ogallala	104.01 346	PFAKE LR	LR	17 22 30.0 +14	MPU MPU	Maple Canyon	106.40 353	PFAKE LR	LR	17 26 50.0
DLMT DLMT	Dillon	101.18 354	PFAKE LR	LR	17 22 10.0 +6.1	K05A K05A	Summer Lake	104.14 0	PFAKE LR	LR	17 22 30.0 +13	NLU NLU	North Lily Min	106.50 353	PFAKE LR	LR	17 26 50.0
N41A N41A	Harden Midland	101.28 338	PFAKE LR	LR	17 22 20.0 +16	W50A W50A	Signal Mountai	104.16 331	PFAKE LR	LR	17 22 30.0 +13	Q24A Q24A	Divide	106.52 348	PFAKE LR	LR	17 26 50.0
RSSD RSSD	Black Hills	101.32 348	PFAKE LR	LR	17 22 20.0 +15	RWWY RWWY	Rawlins	104.20 350	PFAKE LR	LR	17 22 30.0 +13	456A 456A	Hilliard	106.55 326	PFAKE LR	LR	17 26 50.0
SS1A SS1A	Beattyville	101.36 331	PFAKE LR	LR	17 22 20.0 +15	HUMO HUMO	Hull Mountain	104.22 2	PFAKE LR	LR	17 22 30.0 +13	KMRM KMRM	Mail Ridge	106.58 3	PFAKE LR	LR	17 26 50.0
G08A G08A	Pilot Rock	101.56 359	PFAKE LR	LR	17 22 20.0 +14	V48A V48A	Smith Brothers	104.29 332	PFAKE LR	LR	17 22 30.0 +12	TOO TOO	Toolangi	106.62 124	PFAKE LR	LR	17 26 50.0
YHH YHH	Holmes Hill	101.59 353	PFAKE LR	LR	17 22 20.0 +14	PHWY PHWY	Pilot Hill	104.30 348	PFAKE LR	LR	17 22 30.0 +12	SMCO SMCO	Snowmass	106.62 349	PFAKE LR	LR	17 26 50.0
G06A G06A	Carlson Farm,	101.63 0	PFAKE LR	LR	17 22 20.0 +14	WVT WVT	Waverly	104.33 333	PFAKE LR	LR	17 22 30.0 +12	P18A P18A	Preston Nutter	106.63 352	PFAKE LR	LR	17 26 50.0
N39A N39A	Derby Farms, D	101.64 339	PFAKE LR	LR	17 22 20.0 +14	SWET SWET	Sewanee	104.40 331	PFAKE LR	LR	17 22 30.0 +12	TIGA TIGA	Tifton	106.66 328	PFAKE LR	LR	17 26 50.0
YNR YNR	Norris Junctio	101.65 353	PFAKE LR	LR	17 22 20.0 +14	WVOR WVOR	Wild Horse Val	104.41 359	PFAKE LR	LR	17 22 30.0 +12	WHAR WHAR	Woolly Hollow	106.67 336	PFAKE LR	LR	17 26 50.0
YHB YHB	Horse Butte	101.67 353	PFAKE LR	LR	17 22 20.0 +14	KSU1 KSU1	Kansas State U	104.47 341	PFAKE LR	LR	17 22 30.0 +12	LRAL LRAL	Lakeview Retre	106.73 331	PFAKE LR	LR	17 26 50.0
YMR YMR	Madison River	101.72 353	PFAKE LR	LR	17 22 20.0 +14	X51A X51A	Calhoun	104.52 330	PFAKE LR	LR	17 22 30.0 +11	W41B W41B	Gary Mavity, V	106.77 336	PFAKE LR	LR	17 26 50.0
LKWY LKWY	Lake	101.77 353	PFAKE LR	LR	17 22 20.0 +13	PARMO PARMO	Parma	104.56 335	PFAKE LR	LR	17 22 30.0 +11	CASY CASY	Casey	106.82 161	PFAKE LR	LR	17 26 50.0
WCI WCI	Wyandotte Cave	101.91 333	PFAKE LR	LR	17 22 20.0 +13	EIDS EIDS	Eidsvold	104.69 111	PFAKE LR	LR	17 22 30.0 +11	P17A P17A	Butcher Ranch,	106.84 352	PFAKE LR	LR	17 26 50.0
YFT YFT	Old Faithful	101.93 353	PFAKE LR	LR	17 22 20.0 +13	PBMO PBMO	Poplar Bluff	104.69 336	PFAKE LR	LR	17 22 30.0 +11	X43A X43A	Marvell	106.89 335	PFAKE LR	LR	17 26 50.0
H17A H17A	Grant Village	101.95 353	PFAKE LR	LR	17 22 20.0 +13	T42A T42A	Van Buren	104.69 336	PFAKE LR	LR	17 22 30.0 +11	HUMP HUMP	Col San Antoni	106.91 306	PFAKE LR	LR	17 26 50.0
BMO BMO	Blue Mountains	101.96 358	PFAKE LR	LR	17 22 20.0 +13	GLAT GLAT	Glass	104.75 334	PFAKE LR	LR	17 22 30.0 +10	SVB SVB	Belmont	106.97 299	PFAKE LR	LR	17 26 50.0
YPP YPP	Pitchstone Pla	102.10 353	PFAKE LR	LR	17 22 20.0 +12	HVU HVU	Hansel Valley	104.76 354	PFAKE LR	LR	17 22 30.0 +10	BEKR BEKR	Beckworth	106.99 360	PFAKE LR	LR	17 26 50.0
OLIL OLIL	Olney	102.12 335	PFAKE LR	LR	17 22 20.0 +12	PVMO PVMO	Portageville	104.76 335	PFAKE LR	LR	17 22 30.0 +10	TMUT TMUT	Trail Mountain	107.06 353	PFAKE LR	LR	17 26 50.0
P42A P42A	Winchester	102.13 337	PFAKE LR	LR	17 22 20.0 +12	N23A N23A	Red Feather La	104.78 349	PFAKE LR	LR	17 22 30.0 +10	UALR UALR	University of	107.16 336	PFAKE LR	LR	17 26 50.0
FLWY FLWY	Flagg Ranch	102.28 353	PFAKE LR	LR	17 22 20.0 +11	Y52A Y52A	Libburn	104.79 329	PFAKE LR	LR	17 22 30.0 +10	SRU SRU	San Rafael Swe	107.17 352	PFAKE LR	LR	17 26 50.0
TZTN TZTN	Tazewell	102.28 330	PFAKE LR	LR	17 22 20.0 +11	HWUT HWUT	Hardware Ranch	104.81 353	PFAKE LR	LR	17 22 30.0 +10	TUL1 TUL1	Leonard	107.21 339	PFAKE LR	LR	17 26 50.0
KMSC KMSC	Kings Mountain	102.53 328	PFAKE LR	LR	17 22 20.0 +10	GOGA GOGA	Godfrey	104.92 329	PFAKE LR	LR	17 22 30.0 +9.5	352A 352A	Blakely	107.21 329	PFAKE LR	LR	17 26 50.0
T49A T49A	Edmonton	102.60 332	PFAKE LR	LR	17 22 20.0 +10	MOD MOD	Modoc Plateau	104.96 360	PFAKE LR	LR	17 22 30.0 +9.2	W39A W39A	Magazine	107.25 337	PFAKE LR	LR	17 26 50.0
MOOW MOOW	Moose Ponds	102.61 353	PFAKE LR	LR	17 22 20.0 +10	257A 257A	Skidaway Islan	105.04 326	PFAKE LR	LR	17 26 50.0	658A 658A	Bunnell	107.27 325	PFAKE LR	LR	17 26 50.0
USIN USIN	University of	102.65 334	PFAKE LR	LR	17 22 20.0 +10	HALT HALT	Halls	105.08 334	PFAKE LR	LR	17 26 50.0	ORV ORV	Oroville	107.30 1	PFAKE LR	LR	17 26 50.0
BGNE BGNE	Belgrade	102.69 343	PFAKE LR	LR	17 22 20.0 +10	YBH YBH	Yreka Blue Hor	105.10 2	PFAKE LR	LR	17 26 50.0	250A 250A	Grady	107.35 330	PFAKE LR	LR	17 26 50.0
V53A V53A	Saluda	102.72 329	PFAKE LR	LR	17 22 20.0 +9.2	SPUT SPUT	South Promonto	105.19 354	PFAKE LR	LR	17 26 50.0	453A 453A	Whigham	107.48 328	PFAKE LR	LR	17 26 50.0
LOHW LOHW	Long Hollow	102.73 353	PFAKE LR	LR	17 22 20.0 +9.1	GNAR GNAR	Gosnell	105.28 335	PFAKE LR	LR	17 26 50.0	Z45A Z45A	Winona	107.48 333	PFAKE LR	LR	17 26 50.0
I07A I07A	Izee	102.78 359	PFAKE LR	LR	17 22 20.0 +9.1	TCUT TCUT	Toone Canyon	105.28 353	PFAKE LR	LR	17 26 50.0	555A 555A	McAlpin	107.49 326	PFAKE LR	LR	17 26 50.0
SNOW SNOW	Snow King Moun	102.90 353	PFAKE LR	LR	17 22 20.0 +8.3	SEUS SEUS	St. Eustatius	105.39 303	PFAKE LR	LR	17 26 50.0	PV21 PV21	Cone Mtn., Par	107.52 351	PFAKE LR	LR	17 26 50.0
V52A V52A	Sevierville	102.90 330	PFAKE LR	LR	17 22 20.0 +8.5	PLAL PLAL	Pickwick Lake	105.44 333	PFAKE LR	LR	17 26 50.0	147A 147A	Livingston	107.55 332	PFAKE LR	LR	17 26 50.0
SLM SLM	Saint Louis	102.95 336	PFAKE LR	LR	17 22 20.0 +8.3	154A 154A	Montrose	105.44 328	PFAKE LR	LR	17 26 50.0	VCNR VCNR	Virginia City	107.56 359	PFAKE LR	LR	17 26 50.0
REDW REDW	Red Top Meadow	103.00 353	PFAKE LR	LR	17 22 20.0 +7.9	SABA SABA	Saba	105.48 304	PFAKE LR	LR	17 26 50.0	X40A X40A	Basin Creek Fa	107.59 336	PFAKE LR	LR	17 26 50.0
PAULI PAULI	Pauline	103.01 328	PFAKE LR	LR	17 22 20.0 +8.0	X48A X48A	Hartselle	105.51 332	PFAKE LR	LR	17 26 50.0	ARMA ARMA	Armidale	107.59 115	PFAKE LR	LR	17 26 50.0
HLID HLID	Hailey	103.11 356	PFAKE LR	LR	17 22 20.0 +7.5	CBKS CBKS	Cedar Bluff	105.53 343	PFAKE LR	LR	17 26 50.0	PV14 PV14	Lion Creek, Pa	107.71 351	PFAKE LR	LR	17 26 50.0
TKL TKL	Tuckaleechee C	103.14 330	PFAKE LR	LR	17 22 20.0 +7.4	BGU BGU	Big Grassy Mou	105.63 354	PFAKE LR	LR	17 26 50.0	MPR MPR	Mayaguez	107.73 307	PFAKE LR	LR	17 26 50.0
K22A K22A	Casper	103.15 350	PFAKE LR	LR	17 22 20.0 +7.3	CTU CTU	Camp Tracy	105.74 353	PFAKE LR	LR	17 26 50.0	PV20 PV20	West Nyswonger	107.73 351	PFAKE LR		

5d 17h

CRPR	Cabo Rojo, PR	107.85 307	PFAKE	LR	17 26 50.0
YERR	Yerington	107.87 359	PFAKE	LR	17 26 50.0
TCRU	Three Creeks R	107.87 353	PFAKE	LR	17 26 50.0
PV13	Radium Mtn., P	107.89 350	PFAKE	LR	17 26 50.0
146A	Union	107.89 333	PFAKE	LR	17 26 50.0
AFDM	Forest Hills D	107.91 0	PFAKE	LR	17 26 50.0
656A	Williston	107.92 326	PFAKE	LR	17 26 50.0
S22A	4UR Ranch, Cre	108.00 349	PFAKE	LR	17 26 50.0
CAN	Canberra	108.00 121	PFAKE	LR	17 26 50.0
GDXM	Geysers	108.02 2	PFAKE	LR	17 26 50.0
PSUT	Pine Spring	108.07 355	PFAKE	LR	17 26 50.0
T25A	Trinidad	108.15 347	PFAKE	LR	17 26 50.0
RYN	Ryan	108.21 358	PFAKE	LR	17 26 50.0
451A	Vernon	108.31 329	PFAKE	LR	17 26 50.0
WAKR	Walker	108.35 359	PFAKE	LR	17 26 50.0
R11A	Troy Canyon, C	108.37 356	PFAKE	LR	17 26 50.0
BRAL	Brewton	108.38 330	PFAKE	LR	17 26 50.0
NV11	Mina Array Sit	108.40 358	PFAKE	LR	17 26 50.0
NVAR	Mina Array Bea	108.40 358	PKIKP	PKIKP	17 26 42.7 +0.6
NVAR	Mount Pierson	108.41 353	PKIKP	PKIKP	17 37 51.0 -1.4
MTPU	Disney Wildern	108.44 324	PFAKE	LR	17 26 50.0
348A	Jackson	108.52 331	PFAKE	LR	17 26 50.0
MCCM	Marconi Confer	108.68 2	PFAKE	LR	17 26 50.0
241A	Richland Creek	108.70 336	PFAKE	LR	17 26 50.0
143A	Socs Landing,	108.71 334	PFAKE	LR	17 26 50.0
MVCO	Mesa Verde	108.78 350	PFAKE	LR	17 26 50.0
060A	Indiantown	108.80 323	PFAKE	LR	17 26 50.0
VBMS	Vicksburg	108.82 334	PFAKE	LR	17 26 50.0
CMB	Columbia Colle	108.82 360	PFAKE	LR	17 26 50.0
SZCU	Shurtz Canyon	108.94 354	PFAKE	LR	17 26 50.0
CCUT	Cedar City	109.00 354	PFAKE	LR	17 26 50.0
PKCU	Pink Cliffs	109.01 353	PFAKE	LR	17 26 50.0
WMOK	Wichita Mounta	109.15 341	PFAKE	LR	17 26 50.0
346A	Big Creek Wild	109.16 332	PFAKE	LR	17 26 50.0
957A	Wimauma	109.20 325	PFAKE	LR	17 26 50.0
MDPB	Devils Postpil	109.22 359	PFAKE	LR	17 26 50.0
OMMB	Old Mammoth Mi	109.23 359	PFAKE	LR	17 27 00.0
059A	Moore Haven	109.25 323	PFAKE	LR	17 26 50.0
447A	Lucedale	109.36 331	PFAKE	LR	17 27 00.0
KNB	Kanab	109.48 354	PFAKE	LR	17 27 00.0
344A	Westbrook Farm	109.58 333	PFAKE	LR	17 27 00.0
AMTX	Amarillo	109.74 344	PFAKE	LR	17 27 00.0
TPNV	Topopah Spring	109.80 356	PFAKE	LR	17 27 00.0
SDDR	Presa de Saban	109.88 310	PFAKE	LR	17 27 00.0
U15A	North Rim	110.02 353	PFAKE	LR	17 27 00.0
061Z	Ochoppi	110.03 322	PFAKE	LR	17 27 00.0
SAO	San Andreas Ge	110.08 1	PFAKE	LR	17 27 00.0
SHPR	Sheep Range	110.18 356	PFAKE	LR	17 27 00.0
DAC	Darwin (Calif)	110.53 358	PFAKE	LR	17 27 00.0
PMPB	Monarch Peak	110.64 0	PFAKE	LR	17 27 00.0
ANMO	Albuquerque	110.66 348	PP	PP	17 27 22.6 +1.0
ANMO	Albuquerque	110.66 348	PP	PP	17 27 22.6 +1.0
NATX	Nacogdoches	110.69 337	PFAKE	LR	17 27 00.0
545A	Edgard	110.75 332	PFAKE	LR	17 27 00.0
WUAZ	Wupatki	110.82 352	PFAKE	LR	17 27 00.0

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WUAZ	comp=Z,2.0m,18.0s		LR	LR	
MSTX	Muleshoe	110.87 344	PFAKE	LR	17 27 00.0
W18A	Petrified Fore	111.01 351	PFAKE	LR	17 27 00.0
PAGB	Antelope Grade	111.12 360	PFAKE	LR	17 27 00.0
ISA	Isabella, Lake	111.17 358	PFAKE	LR	17 27 00.0
543A	St. Martinville	111.23 334	PFAKE	LR	17 27 00.0
WHTX	Lake Whitney,	111.36 339	PFAKE	LR	17 27 00.0
ABTX	Ablene, Hawle	111.38 341	PFAKE	LR	17 27 00.0
GSC	Goldstone, Bar	111.47 357	PFAKE	LR	17 27 00.0
W13A	Hualapai Mount	111.48 354	PFAKE	LR	17 27 00.0
GTBY	Guantanamo Bay	111.53 314	PFAKE	LR	17 27 00.0
LDFC	Landfair	111.59 355	PFAKE	LR	17 27 00.0
X18A	Snowflake	111.62 351	PFAKE	LR	17 27 00.0
541A	Lake Charles	111.74 335	PFAKE	LR	17 27 00.0
X16A	Lo Mia Camp, P	111.91 352	PFAKE	LR	17 27 00.0
OSI	Osito Audit: C	112.22 359	PFAKE	LR	17 27 00.0
435B	Jarrell	112.52 339	PFAKE	LR	17 27 00.0
Y14A	Wickenburg	112.55 353	PFAKE	LR	17 27 00.0
MWC	Mount Wilson	112.59 358	PFAKE	LR	17 27 00.0
PASC	Pasadena Art C	112.65 358	PFAKE	LR	17 27 00.0
HKT	Hockley	112.75 337	PFAKE	LR	17 27 00.0
Y12C	Blythe	112.87 355	PFAKE	LR	17 27 00.0
BDFB	Brasilia	113.01 266	PFAKE	LR	17 27 00.0
PFO	Pinyon Flats O	113.14 356	PFAKE	LR	17 27 00.0
JCT	Junction City	113.45 341	PFAKE	LR	17 27 00.0
SNA	Sanae	113.51 198	PKP	PKP	17 26 49.1
GLA	Glamis	113.59 355	PFAKE	LR	17 27 00.0
EPT	El Paso	113.76 347	PFAKE	LR	17 27 00.0
113A	Mohawk Valley,	113.78 354	PFAKE	LR	17 27 00.0
CPE	Camp Elliot	113.89 357	PFAKE	LR	17 27 00.0
TUC	Tucson	113.91 351	PFAKE	LR	17 27 00.0
BAR	Barrett	114.07 357	PFAKE	LR	17 27 00.0 +7.2
MTDJ	Mount Denham	114.29 315	PFAKE	LR	17 27 00.0 +6.4
YNA2	Neumayer-Watz	114.30 199	PKP	PKP	17 26 51.3 -0.5
PTGA	Pitinga	114.79 287	PFAKE	LR	17 27 10.0 +1.5
YNA3	Neumayer Olymp	115.10 200	PKP	PKP	17 26 52.6 -0.8
DZM	Mont Dzumac	115.45 100	ePS	PS	17 37 39.5 +1.7
TXAR	Lajitas Array	115.53 344	PKP	PKP	17 26 54.5 -1.2
TXAR	Kingsville	115.64 338	PFAKE	LR	17 27 10.0 +1.4
SPB	Sao Paulo	116.31 258	PFAKE	LR	17 27 10.0 +1.3
SDV	Santo Domingo	116.68 302	PFAKE	LR	17 27 10.0 +1.2
HSIG	Moku'aweo	117.51 38	PFAKE	LR	17 27 10.0 +1.0
MWH	Uwekahuna B	117.72 38	PFAKE	LR	17 27 10.0 +1.0
NPOC	North of Pu'u	117.84 37	PFAKE	LR	17 27 10.0 +1.0
HPIG	HPIG	118.28 345	PFAKE	LR	17 27 10.0 +8.7
TEIG	Tepich	118.41 325	PFAKE	LR	17 27 10.0 +8.7
MYIG	MORida	118.45 327	PFAKE	LR	17 27 10.0 +8.6
LNIG	Linares	118.60 338	PFAKE	LR	17 27 10.0 +8.4
SRIG	Santa Rosalia	119.02 352	PFAKE	LR	17 27 10.0 +7.6
ZAIG	Zacatecas	121.52 341	PFAKE	LR	17 27 20.0 +1.2
ROSC	El Rosal	122.11 302	PKP	PKP	17 27 07.4 -1.7
ROSC	El Rosal	122.11 302	PKP	PKP	17 27 07.4 -1.7
SLBS	Sierra La Lagu	122.26 349	PFAKE	LR	17 27 20.0 +1.1

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SLBS	comp=Z,2.0m,18.0s		LR	LR	
LVIG	Laguna Verde	122.34 333	PFAKE	LR	17 27 20.0 +1.1
RREF	El Recreo	122.79 303	eP	PKP	17 27 12.2 +1.5
JRQG	Juriquilla Cam	122.83 338	PFAKE	LR	17 27 20.0 +1.0
ESPN	Las Esperanzas	123.01 317	PFAKE	LR	17 27 20.0 +1.0
QSPA	South Pole Qui	123.32 180	ePKP	PKP	17 27 07.9 -1.4
ESTN	Estel	123.43 319	PFAKE	LR	17 27 20.0 +8.8
BOAB	BOACB BROADB	123.58 318	PFAKE	LR	17 27 20.0 +8.6
UNM	Universidad Na	123.69 336	PFAKE	LR	17 27 20.0 +8.1
HDC	Heredia	124.66 315	PFAKE	LR	17 27 20.0 +6.3
VNDA	Vanda	125.09 165	PKP	PKP	17 27 10.9 -1.5
VNDA	Vanda	125.09 165	PKP	PKP	17 29 02.5 +0.4
VNDA	Vanda	125.09 165	PKP	PKP	17 27 12.9 +0.5
PCON	Cinco Dias	125.34 302	eP	PKP	17 27 15.7 +0.2
POPC	Popayan, Colom	125.39 302	eP	PKP	17 27 13.7 -1.5
CPUP	Villa Florida	125.59 260	PKP	PKP	17 27 13.3 -1.5
CPUP	Villa Florida	125.59 260	ePKP	PKP	17 27 13.6 -1.3
SOTA	Rioblanco	125.62 302	eP	PKP	17 27 16.7 +0.7
SBA	Scott Base	126.10 165	PFAKE	LR	17 27 30.0 +1.6
OZU	Omahuta	126.41 112	PFAKE	LR	17 27 30.0 +1.4
ODZ	Otahua Downs	126.88 124	PFAKE	LR	17 27 30.0 +1.3
OXZ	Oxford	127.47 122	PFAKE	LR	17 27 30.0 +1.2
MOZ	McQueen's Vall	127.99 122	PFAKE	LR	17 27 30.0 +1.1
OTAV	Otavalo	128.26 302	ePKP	PKP	17 27 21.4 +0.4
OTAV	Otavalo	128.26 302	ePKP	PKP	17 27 21.4 +0.4
BKZ	Black Stump Fm	129.74 116	PFAKE	LR	17 27 30.0 +7.5
URZ	Urewera	129.99 114	PFAKE	LR	17 27 30.0 +7.1
ALOL	LOMAS DE OLMED	130.11 277	eP	PKP	17 27 24.6 +1.0
LPZ	La Paz	130.11 277	eP	PKP	17 27 22.1 -2.3
LPZ	La Paz	130.11 277	ePKP	PKP	17 27 23.8 -0.7
LPZ	La Paz	130.11 277	eP	PKP	17 27 22.2 -2.3
MXZ	Matakaoa Point	130.72 113	PFAKE	LR	17 27 40.0 +1.6
HJA	Hamahuaca	131.02 267	eP	PKP	17 27 27.0 +1.1
AZAP	Zapala	131.16 266	eP	PKP	17 27 25.0 -0.9
PB16	IPOC Station P	132.26 275	eP	PKP	17 27 29.7 +1.2
GO01	Chumizta	132.62 273	ePKP	PKP	17 27 28.9 -0.1
FSA	Cafayete	132.66 264	eP	PKP	17 27 30.0 +1.5
MNMC	Minye Minye	132.71 274	ePKP	PKP	17 27 28.3 -0.7
MNMC	Minye Minye	132.71 274	eP	PKP	17 27 30.0 +1.1
PB08	IPOC Station P	132.81 273	eP	PKP	17 27 30.7 +1.5
PB11	IPOC Station P	133.05 274	PFAKE	LR	17 27 40.0 +1.1
TRQA	Tornquist	133.06 247	ePKP	PKP	17 27 28.7 -0.1
TRQA	Tornquist	133.06 247	ePKP	PKP	17 27 28.7 -0.1
CYA	Choya	133.36 261	eP	PKP	17 27 29.7 +0.1
PB01	IPOC Station P	133.50 272	ePKP	PKP	17 27 30.3 +1.1
PB09	IPOC Station P	133.62 271	eP	PKP	17 27 31.7 +1.2
LVC	Limon Verde	133.69 270	ePKP	PKP	17 27 31.3 +0.5
PB07	IPOC Station P	133.69 270	ePKP	PKP	17 27 31.3 +0.5
PB03	IPOC Station P	133.96 272	eP	PKP	17 27 31.9 +0.9
MRA	San Martin	134.13 271	eP	PKP	17 27 31.7 +0.3
APL	PUNTA DE LOS	134.61 259	eP	PKP	17 27 31.9 +0.2
ACL	CERRO LA CRUZ	134.65 260	eP	PKP	17 27 32.7 +0.5
PB05	IPOC Station P	134.88 270	eP	PKP	17 27 32.6 -0.2
NNA	Nana	134.90 288	PFAKE	LR	17 27 40.0 +7.1
GO02	Mina Guanaco	135.30 267	PFAKE	LR	17 27 50.0 +1.6
PB10	IPOC Station P	135.45 269	PFAKE	LR	17 27 50.0 +1.6
VCA	Vinchina	135.45 261	eP	PKP	17 27 34.9 +1.2
ACAN	Acantilla	135.72 256	eP	PKP	17 27 34.7 +1.2
PB14					

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for TBI Tubuai, RKT Rikitea, RKT Rikitea.

IDC 05 17:13:13.8-999.0, 50.93N-50.39E, h0km, Error ellipse: s-maj=636.9km s-min=106.5km az=91.0, Western Kazakhstan

ISCJB 05 17:17:03.0-0.3, 34.00N-0.05-135.45E-0.06, h420km, 2km, mb1.7, 26, Error ellipse: s-maj=6.3km s-min=6.5km az=141.1

JMA 05 17:17:03.9, 34.03N, 135.43E, h420km, 1km, M3.6

IDC 05 17:17:03.7-0.5, 33.96N-135.43E, h420km, 5km, mb3.5/25, mb1 3.6/33, mb1mx3.4/70, mbtmp4.3/33, Error ellipse: s-maj=8.4km s-min=7.1km az=92.0

ISC 05 17:17:03.8-0.6, 34.01N-0.06-135.44E-0.06, h421km, 5km, n50, e0577/68, mb3.8/26, Near south coast of western Honshu

Main table of seismic events with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for JWM Minabe, JTN Tanabenahech, JWC Kieia, etc.

ISCJB 05 17:17:46.8-0.5, 34.71N-0.02-133.16E-0.04, h142km, 4km, Error ellipse: s-maj=5.9km s-min=3.8km az=169.0

DDA 05 17:17:46.4, 34.75N-33.25E, h7km, M3.2

ISK 05 17:17:46.2, 34.72N-33.13E, h18km, M3.1/18

NIC 05 17:17:46.2, 34.73N-33.15E, h5km, M3.2 Felt I=II MM at Lemesos.

NIC Felt II MM at Lemesos.

GII 05 17:17:49.6-0.0, 34.58N-33.45E, h190km, M2.5/4

ISC 05 17:17:47.4-1.1, 34.73N-0.03-133.19E-0.04, h11km, gkm, n45, e152/57, Cyprus region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for SZAC Souni, CSS Mathiatis, CSS Mathiatis.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for SZAC Souni, CSS Mathiatis, CSS Mathiatis.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for SZAC Souni, CSS Mathiatis, CSS Mathiatis.

Main table of seismic events with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for CSS Mathiatis, CSS Mathiatis, AKIN Mamari, etc.

IDC 05 17:19:47.3-2.2, 1.60N-126.62E, h0km, mb3.6/3, mb1 3.8/4, mb1mx3.5/39, mbtmp3.6/4, ML3.4/1, MS4.0/3, MS1 4.0/3, ms1mx3.4/34, Error ellipse: s-maj=123.7km s-min=27.4km az=69.0, Northern Molucca Sea

IDC 05 17:19:47.3-2.2, 1.60N-126.62E, h0km, mb3.6/3, mb1 3.8/4, mb1mx3.5/39, mbtmp3.6/4, ML3.4/1, MS4.0/3, MS1 4.0/3, ms1mx3.4/34, Error ellipse: s-maj=123.7km s-min=27.4km az=69.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for FITZ Fitzroy Crossi, GUMO Guam, WRA Warramunga Arr, etc.

KRSC 05 17:35:38.1-0.8, 55.71N-162.29E, h55km, 16km, ML3.7, Near east coast of Kamchatka Peninsula

Main table of seismic events with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for KBTR Krutoberegovo, KBG Krutoberegovo, ZLN Zelenaya, etc.

MEX 05 17:38:38.7-0.3, 16.30N-98.29W, h14km, 1km, MD3.6, Near coast of Guerrero

MEX 05 17:38:38.7-0.3, 16.30N-98.29W, h14km, 1km, MD3.6, Near coast of Guerrero

DJA 05 17:50:50.9-1.9, 2.5-24.3-139E, h27km, 21km, M3.9/3, ML3.9/3, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for GENI Genyum, GENI Genyum, JAY Jayapura, etc.

IDC 05 17:51:00.3-2.3, 3.91N-123.63E, h0km, mb3.6/3,

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for mb1 3.8/3, mb1mx3.4/40, mbtmp3.6/3, etc.

IDC 05 17:55:17.2-5.4, 27.63S-140.95E, h0km, mb1 3.5/4, mb1mx3.3/35, mbtmp3.3/4, ML2.9/4, Error ellipse: s-maj=118.5km s-min=20.2km az=67.0, South Australia

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

IDC 05 17:57:01.2-1.5, 7.09S-144.12E, h0km, mb3.7/4, mb1 3.8/6, mb1mx3.6/34, mbtmp3.7/6, ML1.1/1, Error ellipse: s-maj=36.9km s-min=28.0km az=73.0, Near south coast of New Guinea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for PMG Port Moresby, PMG Port Moresby, FITZ Fitzroy Crossi, etc.

IDC 05 18:08:32.4-2.1, 27.62S-140.96E, h0km, mb1 3.3/5, mb1mx3.2/29, mbtmp3.2/5, ML2.9/5, Error ellipse: s-maj=40.5km s-min=19.6km az=74.0, South Australia

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

IDC 05 18:35:52.3-5.8, 27.55S-141.17E, h0km, mb1 2.9/3, mb1mx2.9/28, mbtmp2.7/3, ML2.3/3, Error ellipse: s-maj=123.2km s-min=21.7km az=69.0, Queensland

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

MEX 05 18:48:34.0-0.5, 16.28N-98.15W, h24km, 6km, MD3.6, Near coast of Guerrero

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

IDC 05 18:50:18.6-29.0, 18.49S-175.78W, h249km, 228km, mb2.9/3, mb1 3.2/3, mb1mx2.9/40, mbtmp3.5/3, Error ellipse: s-maj=384.9km s-min=61.8km az=140.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, etc.

DJA 05 18:59:57.2-0.5, 5.5-24.3-139E, h10km, M4.7/9, MB5.2/3, mb4.5/7, ML4.8/9, Mw(MB)4.5/3

ISCJB 05 18:59:58.2-0.5, 5.25S-0.04-131.20E-0.05, h100km, mb3.6/4, Error ellipse: s-maj=6.7km s-min=5.3km az=15.6

IDC 05 18:59:58.2-2.5, 16S-131.25E, h83km, 23km, mb3.5/5, mb1 3.7/8, mb1mx3.5/40, mbtmp4.0/8, Error ellipse: s-maj=26.9km s-min=16.6km az=63.0

ISC 05 18:59:58.0-0.7, 5.21S-0.05-131.26E-0.06, h100km, n27, e24/27, mb3.9/5, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for BNDI Bandanaira, BNDI Bandanaira, FAKI Fak Fak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MRA, ARCO CERRO ARCO, RTLS Leoncito, etc.

ISN 05 21:08:53.4:0.3, 32'47N-48'41E, h0km, ML3.3
TEH 05 21:09:02.2:32'40N-49'00E, h1km, ML3.3
ISCJB 05 21:09:02.0:6.32'34N:0'05:48'93E:0.04, h23km, Error ellipse: s-maj=8.0km s-min=4.8km az=24.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHGR Shoohtar-Gavs, IKMR Kamar-syah, IKFM Kafar-mosalman, etc.

MEX 05 21:17:42.6:0.3, 18'16N-103'12W, h7km, 13km, MD3.6, Near coast of Michoacan

DDA 05 21:27:13.8, 37'96N-29'04E, h7km, ML2.6
ISCJB 05 21:27:14.3:0.5, 37'96N:0'02:29'03E:0.04, h5km, 6km, Error ellipse: s-maj=4.8km s-min=3.7km az=162.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DENT Denizli, DNZL Cakroluk, TAVA DENIZLI Tavass, etc.

ISK 05 21:28:01.7, 38'63N-43'20E, h5km, ML2.0/6
ISCJB 05 21:28:03.5:0.5, 38'63N:0'04:43'20E:0.04, h10km, 6km, Error ellipse: s-maj=6.3km s-min=4.1km az=152.7

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

IDC 05 21:46:39.4:3.1, 30'37S-177'55W, h0km, mb3.8/2, mb1.4/1.3, mb1.3/3.9, mbtmp3.9/3, ML3.1/1, MS3.2/2, MS1.3/2.2, ms1m1.8/1.3/4, Error ellipse: s-maj=72.9km s-min=29.6km az=108.0, Kermadec Islands

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

ISCJB 05 21:46:41.9:0.6, 17'87S:0'06:168'5E:0'1, h100km, mb4.0/1.4, Error ellipse: s-maj=14.7km s-min=8.2km az=16.3

IDC 05 21:46:43.5:3.0, 17'89S-168'56E, h104km, 27km, mb3.8/1.1, mb1.4/1.3, mb1.3/3.9, mbtmp3.9/3, ML3.1/1, MS3.2/2, Error ellipse: s-maj=25.2km s-min=20.7km az=120.0

NEIC 05 21:46:44.5:1.4, 17'86S-168'53E, h12km, 12km, mb4.2/3, Error ellipse: s-maj=12.3km s-min=10.8km az=78.0

ISC 05 21:46:43.2:0.8, 17'85S:0'09:168'6E:0'1, h100km, n26, s086/27, mb4.0/1.3, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, HNR Honiara, CTA Charters Tower, etc.

ISCJB 05 22:09:31.1:0.8, 2'33S:0'1:68'6E:0'1, h10km, mb3.8/8, MS3.3/1.1, Error ellipse: s-maj=22.7km s-min=17.3km az=37.3

IDC 05 22:09:31.6:1.1, 2'37S-68'56E, h0km, mb3.7/8, mb1.3/9.9, mb1mx3.6/57, mbtmp3.8/9, ML4.3/1, MS3.3/12, Ms1.3/3.1/2, ms1mx3.0/46, Error ellipse: s-maj=25.2km az=99.0

ISC 05 22:09:33.7:1.0, 2'35S:0'2:68'8E:0'2, h10km, n23, s243/12, mb3.8/8, MS3.3/1.1, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H0B2N Diego Garcia H, H0B3N Diego Garcia H, H0B1N Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, LBTB Lobate, BOSA Bosof, etc.

DDA 05 22:32:08.0, 37'63N-32'05E, h7km, ML2.7
ISCJB 05 22:32:08.7:0.6, 37'65N:0'04:32'04E:0.04, h7km, 8km, Error ellipse: s-maj=7.7km s-min=5.1km az=161.1

ISK 05 22:32:08.8, 37'66N-32'05E, h12km, ML2.7/7
ISC 05 22:32:08.7:1.1, 37'66N:0'03:32'05E:0.03, h9km, 11km, n15, s087/21, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KMER Konya-Meram, KONT Konya-Tatoy, KONT Konya-Tatoy, etc.

IDC 05 22:38:23.0:1.6, 5'07N-31'99E, h0km, mb3.6/4, mb1.3/5/5, mb1mx3.3/36, mbtmp3.5/5, ML2.9/1, Error ellipse: s-maj=40.3km s-min=22.0km az=52.0, Sudan

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

MEX 05 22:43:29.6:0.4, 13'32N-92'57W, h20km, MD3.9, Off coast of Chiapas

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

DJA 05 22:44:12.7:0.6, 10'5'S x 11'6'E+, h10km, MS3.5/7, ML3.5/7, Sumbawa region

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

IDC 05 22:49:27.7:0.7, 38'75N-127'22W, h0km, mb4.2/21, mb1.4/3/23, mb1mx4.2/62, mbtmp4.2/23, ML3.7/2, MS3.6/17, Ms1.3/6/17, ms1mx3.3/65, Error ellipse: s-maj=20.0km s-min=14.8km az=9.0

ISCJB 05 22:49:28.0:0.3, 38'70N:0'02:127'06W:0.04, h10km, mb4.2/29, MS3.6/12, Error ellipse: s-maj=4.7km s-min=2.8km az=144.8

NEIC 05 22:49:29.2:0.3, 38'73N:127'18W, h10km, mb4.4/15, Error ellipse: s-maj=6.4km s-min=3.8km az=212.0

ANF 05 22:49:32.5:0.5, 38'83N:126'75W, ML4.2/10, Error ellipse: s-maj=7.1km s-min=2.5km az=79.0

ISC 05 22:49:30.6:0.6, 38'83N:0'05:127'05W:0.06, h10km, n339, s197/336, mb4.4/29, MS3.6/12, Off coast of northern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KCPM Cahto Peak, KCPM, KMRM Mail Ridge, etc.

Table with columns: X53A, Y53A, P53A, Z53A, GOGA, D51A, SADO, Y54A, Z54A, D52A, 254A, G53A, MCWV, KMSC, 155A, D53A, E54A, O56A, D54A, NHSC, R58B, SCHQ, H11N3, H11N2, H11N1, H11S1, H11S2, H11S3, ARCES, USRK, NB2, NOA, HFS, HFS, KSRS, KSRW, LPAZ, FINES, GUMO, SONM, SONM, ZALV, BRG, GERES, ESDC, BVAR, KURK, KURBB, AKASG, MKAR, GSPA, SNA, MAW

ATH 05 22:55:28.4, 37:82N, 21:12E, h16km, 1km, ML2.9/11, Error ellipse: s-maj=1.2km s-min=0.8km az=314.0

THE 05 22:55:28.6, 37:84N, 21:15E, h21km, ML3.0/5, Error ellipse: s-maj=0.5km s-min=0.3km az=4.0

ISC 05 22:55:28.1, 37:83N, 02:21.15E, 0:02, h18km, 2km, n62, c064/93, Southern Greece

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

Table with columns: KLV, Y53A, P53A, Z53A, GOGA, D51A, SADO, Y54A, Z54A, D52A, 254A, G53A, MCWV, KMSC, 155A, D53A, E54A, O56A, D54A, NHSC, R58B, SCHQ, H11N3, H11N2, H11N1, H11S1, H11S2, H11S3, ARCES, USRK, NB2, NOA, HFS, HFS, KSRS, KSRW, LPAZ, FINES, GUMO, SONM, SONM, ZALV, BRG, GERES, ESDC, BVAR, KURK, KURBB, AKASG, MKAR, GSPA, SNA, MAW

ISCJB 05 23:01:08.4, 0.5, 13:73N, 0:10, 120:54E, 0:07, h104km, 5km, mb3.6/8, Error ellipse: s-maj=11.0km

MAN 05 23:01:08.6, 13:57N, 120:50E, h88km, mb4.7, ML3.6, MS3.6

IDD 05 23:01:09.6, 0.8, 13:86N, 120:88E, h104km, 8km, mb3.3/8, mb1.3, 4.8, mb1mx3.2/62, mbtmp3.6/8, Error ellipse: s-maj=46.2km s-min=15.1km az=64.0

ISC 05 23:01:09.4, 0.8, 13:73N, 0:10, 120:54E, 0:07, h99km, 8km, n17, c084/25, mb3.6/8, 1C-1D, Mindoro

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

MOS 05 23:08:35.0, 0.8, 20:67S, 178:92W, h613km, mb5.2/49, Error ellipse: s-maj=8.5km s-min=7.2km az=56.3

WEL 05 23:08:36.0, 20:78S, 178:95W, h626km, Error ellipse: s-maj=3.4km s-min=2.1km az=139.0

GMCT 05 23:08:37.0, 0.4, 20:64S, 0:03, 178:98W, 0:03, h639km, 3km, MW5.3/67, Moment Tensor Solution

AFI 05 23:08:37.0, 0.4, 20:64S, 0:03, 178:98W, 0:03, h639km, 3km, MW5.3/67, Moment Tensor Solution

AFI 05 23:08:37.0, 0.4, 20:64S, 0:03, 178:98W, 0:03, h639km, 3km, MW5.3/67, Moment Tensor Solution

AFI 05 23:08:37.0, 0.4, 20:64S, 0:03, 178:98W, 0:03, h639km, 3km, MW5.3/67, Moment Tensor Solution

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5d 23h

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like PPT Papeete, PYZ Puyseur Point, TIAR Tiarei, etc.

2012 DEC

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like SWI Sorong, PALU Palau, NLAJ Namlea, etc.

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Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like SKR Severo-Kuril's, UNV Unalaska Valle, YSS Yuzh-Sakhalins, etc.

5d 23h

2012 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like Albuquerque, Manley, Wood River Hill, Neumayer-Watz, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Norris Junction, Eagle, Great Sand Dun, etc.

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

Table with columns for call sign, name, frequency, and other details. Includes entries like RAYN, NC405, NB2, NOA, NOA, NOA, NOB000, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like KIZK, TIRR, LWBR, LOR, UZH, HARR, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like BRDR, CRAR, KORT, KRAL, KHC, etc.

Table with columns for station call letters, frequency, and signal strength. Includes stations like GTA, LSA, YSS, KLR, HIA, HNR, GTK, H11S3, H11S1, H11S2, WAKE, H11N1, H11N2, H11N3, ULN, BWNR, GRNR, SONM, SONM1, SONM2, SONM3, RAMN, MORW, JIRN, FORT, GUN, PKI, PKIN, KKN, DMM, ZEA, ZEA1, ZEA2, ZEA3, EIDS, KOLN, DANN, ZAK, NWAO, NWAO1, NWAO2, TLY, TLY1, TLY2, TLY3, TLY4.

Table with columns for station call letters, frequency, and signal strength. Includes stations like STKA, PALK, MOY, SKR, NGP, WMQ, WMO, WMO1, WMO2, WMO3, WMO4, WMO5, WMO6, WMO7, WMO8, WMO9, WMO10, WMO11, WMO12, WMO13, WMO14, WMO15, WMO16, WMO17, WMO18, WMO19, WMO20, WMO21, WMO22, WMO23, WMO24, WMO25, WMO26, WMO27, WMO28, WMO29, WMO30, WMO31, WMO32, WMO33, WMO34, WMO35, WMO36, WMO37, WMO38, WMO39, WMO40, WMO41, WMO42, WMO43, WMO44, WMO45, WMO46, WMO47, WMO48, WMO49, WMO50, WMO51, WMO52, WMO53, WMO54, WMO55, WMO56, WMO57, WMO58, WMO59, WMO60, WMO61, WMO62, WMO63, WMO64, WMO65, WMO66, WMO67, WMO68, WMO69, WMO70, WMO71, WMO72, WMO73, WMO74, WMO75, WMO76, WMO77, WMO78, WMO79, WMO80, WMO81, WMO82, WMO83, WMO84, WMO85, WMO86, WMO87, WMO88, WMO89, WMO90, WMO91, WMO92, WMO93, WMO94, WMO95, WMO96, WMO97, WMO98, WMO99, WMO100.

Table with columns for station call letters, frequency, and signal strength. Includes stations like SATY, ZHN, KSH, KSH1, KSH2, KSH3, KSH4, KSH5, KSH6, KSH7, KSH8, KSH9, KSH10, KSH11, KSH12, KSH13, KSH14, KSH15, KSH16, KSH17, KSH18, KSH19, KSH20, KSH21, KSH22, KSH23, KSH24, KSH25, KSH26, KSH27, KSH28, KSH29, KSH30, KSH31, KSH32, KSH33, KSH34, KSH35, KSH36, KSH37, KSH38, KSH39, KSH40, KSH41, KSH42, KSH43, KSH44, KSH45, KSH46, KSH47, KSH48, KSH49, KSH50, KSH51, KSH52, KSH53, KSH54, KSH55, KSH56, KSH57, KSH58, KSH59, KSH60, KSH61, KSH62, KSH63, KSH64, KSH65, KSH66, KSH67, KSH68, KSH69, KSH70, KSH71, KSH72, KSH73, KSH74, KSH75, KSH76, KSH77, KSH78, KSH79, KSH80, KSH81, KSH82, KSH83, KSH84, KSH85, KSH86, KSH87, KSH88, KSH89, KSH90, KSH91, KSH92, KSH93, KSH94, KSH95, KSH96, KSH97, KSH98, KSH99, KSH100.

6d 0h

TIXI	comp=Z,2um,19.0s	LR	LR				
TIXI	Tiksi	60.55	1	i	P	00 53 31.4	-0.5
TIXI	comp=Z,36nm,1.1s						
ADK	Adak	61.11	36	P	FAKE	00 53 50.0	+1.5
ADK	comp=Z,885nm,19.0s						
BRVK	Borovoye	61.40	325	eP	LR	00 53 37.2	-0.2
BRVK	comp=Z,476nm,19.0s						
BRVK	Borovoye	61.40	325	eP	P	00 53 37.1	-0.2
BRVK	comp=Z,116nm,0.7s						
BILL	Bilbino	62.62	16	eP	P	00 53 45.5	+0.1
BILL	comp=Z,29nm,1.1s						
BILL	comp=Z,1um,19.0s						
BILL	Bilbino	62.62	16	i	P	00 53 45.3	0.0
BILL	comp=Z,36nm,1.2s						
ATKA	Atka Island	62.67	36	eP	P	00 53 46.2	+0.3
ATKA	comp=Z,84nm,0.6s						
NRIK	Noril'sk	63.44	346	P	P	00 53 50.4	-0.3
NRIK	comp=Z,14nm,0.7s,baz=121,slow=7.1,SNR=34					01 25 23.4	
NRIK	comp=Z,2um,18.1s,baz=149,slow=40					00 54 11.1	+0.1
GEYT	Alibek	66.45	307	eP	P	00 54 11.1	+0.1
GEYT	comp=Z,11nm,0.7s,baz=243,slow=3.0,SNR=40					01 27 22.3	
GEYT	comp=Z,670nm,19.1s,baz=355,slow=40					00 54 10.3	-0.7
GYA0B	ALIBECK ARRAY	66.45	307	eP	P	00 54 10.3	-0.7
ABKAR	Abkarak array	66.61	319	eP	P	00 54 11.2	-0.6
RAO	Raoul Island	66.71	128	P	FAKE	00 54 20.0	+7.3
RAO	comp=Z,5um,21.0s						
DCZ	Deep Cove	66.96	150	eP	P	00 54 15.6	+1.7
DCZ	comp=Z,41nm,0.9s						
THZ	Tophouse	67.49	144	eP	P	00 54 17.6	+0.2
THZ	comp=Z,29nm,0.7s						
UNV	Unalaska Valle	67.58	36	eP	P	00 54 17.9	+0.1
UNV	comp=Z,62nm,0.7s						
LBZ	Lake Benmore	67.73	148	eP	P	00 54 19.0	+0.1
LBZ	comp=Z,57nm,1.1s						
RPZ	Rata Peaks	67.74	147	eP	P	00 54 19.6	+0.7
RPZ	comp=Z,118nm,1.2s						
LTZ	Lake Taylor	67.79	145	eP	P	00 54 19.9	+0.5
LTZ	comp=Z,158nm,1.6s						
SVE	Sverdlouk	67.84	327	eP	P	00 54 18.1	-1.3
SVE	comp=Z,55nm,0.7s					01 03 09.3	-7.1
SVE	comp=Z,37nm,0.8s						
SVE	MLR						
OXZ	Oxford	68.02	146	eP	P	00 54 21.9	+1.2
OXZ	comp=Z,23nm,0.7s						
BKZ	Black Stump Fm	68.06	140	eP	P	00 54 21.3	+0.3
BKZ	comp=Z,72nm,0.7s						
AKUT	Akutan	68.06	36	eP	P	00 54 21.5	+0.7
AKUT	comp=Z,4nm,0.6s						
SNZO	South Karori	68.26	143	eP	P	00 54 21.8	-0.4
SNZO	comp=Z,131nm,0.8s						
SNZO	LR						
KHZ	Kahutara	68.27	144	eP	P	00 54 21.9	-0.3
KHZ	comp=Z,662nm,19.0s						
BFZ	Birch Farm	68.80	142	eP	P	00 54 26.1	+0.5
BFZ	comp=Z,70nm,1.2s						
ANM	Nome	70.75	25	eP	P	00 54 37.9	+0.7
ANM	comp=Z,8.8nm,0.6s						
ANM	Nome	70.75	25	eP	P	00 54 37.9	+0.7
ANM	comp=Z,9.0nm,0.6s						
SDPT	Sand Point	71.30	35	eP	P	00 54 40.7	0.0
SDPT	comp=Z,97nm,1.0s						
RDOG	Red Dog Mine	72.61	22	eP	P	00 54 48.4	0.0
RDOG	comp=Z,71nm,1.6s						
SVW2	Sparrowhawk	74.54	30	eP	P	00 55 00.2	+0.4
SVW2	comp=Z,93nm,1.4s						
AKT	Akhty	74.56	310	eP	P	00 55 00.1	-0.5
AKT	comp=Z,41nm,0.8s					00 55 13.0	
AKT	comp=Z,11nm,0.7s						
MAK	Makhkalka	74.71	312	eP	P	00 54 55.1	-6.1
MAK	comp=Z,77nm,0.8s					00 57 44.6	
MAK	SKIKP					01 04 26.9	+1.3
MAK	SS					01 09 21.6	-2.3
MAK	comp=Z,57nm,0.9s						
IM3	Indian Mountai	75.80	25	eP	P	00 55 06.8	-0.3
KDAK	Kodiak Island	75.86	33	P	FAKE	00 55 20.0	+1.3
KDAK	comp=Z,575nm,21.0s						
RSO	Redoubt South	75.88	30	eP	P	00 55 08.2	+0.4
RSO	comp=Z,23nm,0.8s						
GROC	Groznyy	75.95	312	eP	P	00 55 07.2	-1.2
GROC	comp=Z,23nm,0.8s					00 55 18.7	
PRGR	Permogore	76.17	331	eP	P	00 55 06.8	-2.4
PRGR	comp=Z,119nm,0.6s						
PPLA	Purkeypile	76.27	28	eP	P	00 55 10.4	+0.5
PPLA	comp=Z,23nm,0.8s						
EAGK	Castle Rocks	76.34	27	eP	P	00 55 10.7	+0.5
EAGK	comp=Z,23nm,0.8s						
SKT	Skwentna	76.53	29	eP	P	00 55 10.2	-1.2
SKT	comp=Z,23nm,0.8s						
CNP	China Poot	76.61	31	eP	P	00 55 12.4	+0.6
CNP	comp=Z,230nm,1.8s						
BRLK	Bradley Lake	76.79	31	eP	P	00 55 12.2	-0.6
BRLK	comp=Z,36nm,0.7s						
TBLG	Delisi	76.80	310	eP	P	00 55 13.3	0.0
TBLG	comp=Z,62nm,0.7s						
TBLG	Delisi	76.80	310	eP	P	00 55 13.3	0.0
TBLG	comp=Z,62nm,0.7s						
BPWA	Bear Paw Mtn	76.86	27	eP	P	00 55 12.9	-0.2
BPWA	comp=Z,47nm,1.0s						
GNI	Garni	76.88	309	eP	LR	00 55 13.5	-0.4
GNI	comp=Z,790nm,21.0s						
GNI	Garni	76.88	309	eP	MLR	00 55 13.5	-0.4
GNI	comp=Z,790nm,21.0s						
SUA	Susitna One	76.89	29	eP	P	00 55 13.4	-0.1
SUA	comp=Z,41nm,0.8s						
MLY	Manley	77.00	26	eP	P	00 55 13.1	-0.9
MLY	comp=Z,28nm,1.0s						
TRF	Thorofare Moun	77.15	27	eP	P	00 55 14.7	-0.2
TRF	comp=Z,27nm,1.1s						
COLD	Coldfoot	77.29	23	eP	P	00 55 15.8	+0.4
COLD	comp=Z,8.2nm,0.7s						
ZEI	Tsey	77.36	312	eP	P	00 55 15.5	-1.1
ZEI	comp=Z,41nm,0.6s						
RC01	Rabbit Creek A	77.37	30	eP	P	00 55 15.7	-0.3
RC01	comp=Z,84nm,1.6s						
NCK	Nalchik	77.54	312	eP	P	00 55 17.7	+0.3
NCK	comp=Z,38nm,1.1s					00 55 17.2	-0.4
PMR	Palmer	77.67	29	eP	P	00 55 17.2	-0.4
PMR	comp=Z,38nm,1.1s						
PMR	Palmer	77.67	29	eP	P	00 55 17.2	-0.4
PMR	comp=Z,38nm,1.1s						
RAYN	Ar Rayn	77.69	292	eP	P	00 55 17.0	-1.6
RAYN	comp=Z,39.6nm,0.7s						
RAYN	Ar Rayn	77.69	292	eP	LR	00 55 17.0	-1.6
RAYN	comp=Z,382nm,19.0s						
RAYN	Ar Rayn	77.69	292	eP	P	00 55 17.0	-1.6
RAYN	comp=Z,10.0nm,0.7s						
RAYN	MLR						
AKH	Akhalkalaki	77.75	310	eP	P	00 55 19.0	+0.2
AKH	comp=Z,47nm,0.7s						
AKH	Akhalkalaki	77.75	310	i	P	00 55 19.2	+0.4
AKH	comp=Z,27nm,1.1s					00 55 19.1	+0.3
MCK	McKinley	77.75	27	eP	P	00 55 17.5	-0.7
MCK	comp=Z,44nm,0.8s						
MCK	McKinley	77.75	27	eP	P	00 55 17.5	-0.7
MCK	comp=Z,44nm,0.8s						
GHO	Glory Hole Cre	77.76	29	eP	P	00 55 18.4	0.0
GHO	comp=Z,77nm,1.6s						
RND	Reindeer	77.79	27	eP	P	00 55 18.4	0.0
RND	comp=Z,20nm,0.8s						
RND	Reindeer	77.79	27	eP	P	00 55 18.4	0.0
RND	comp=Z,20nm,0.8s						

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RND	comp=Z,20nm,0.8s						
GOF	Gofitskoye	77.85	114	i	P	00 55 19.6	+0.6
GOF	comp=Z,30nm,0.8s						
CASY	Casey	77.95	187	eP	P	00 55 19.3	+0.3
CASY	comp=Z,110nm,0.8s						
CASY	comp=Z,72nm,21.0s						
KBZ	Khabaz	78.04	313	P	LR	00 55 19.8	-0.2
KBZ	comp=Z,11nm,0.7s,baz=134,slow=1.6,SNR=14					01 35 21.4	
KBZ	comp=Z,984nm,18.3s,baz=86,slow=40					00 55 20.2	+0.4
SML	Sawmill	78.04	29	eP	P	00 55 20.2	+0.4
SML	comp=Z,43nm,1.1s						
MDM	Murphy Dome	78.06	26	eP	P	00 55 19.9	+0.1
MDM	comp=Z,15nm,0.7s						
WRH	Wood River Hill	78.12	26	eP	P	00 55 20.1	0.0
WRH	comp=Z,24nm,1.5s						
KIV	Kislovodsk	78.17	313	eP	P	00 55 20.6	-0.3
KIV	comp=Z,56nm,0.7s						
KIV	comp=Z,509nm,19.0s						
KIV	Kislovodsk	78.17	313	eP	P	00 55 21.8	+0.8
KIV	comp=Z,33nm,0.9s					01 05 17.4	+2.8
KIV	comp=Z,72nm,0.9s						
KIV	comp=Z,117nm,3.7s						
NEY	Neytrino	78.19	312	eP	P	00 55 23.6	+2.4
COLA	College	78.22	26	eP	P	00 55 19.6	-1.1
COLA	comp=Z,10nm,0.9s						
COLA	comp=Z,452nm,19.0s						
COLA	College	78.22	26	eP	P	00 55 19.6	-1.1

Table with columns: ID, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Remarks. Includes stations like Woodville, Signal Mountai, Northport, Seville, Tackleechee C, etc.

Table with columns: ID, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Remarks. Includes stations like IPOC Station P, Minye Minye, Chuzmia, Villa Florida, etc.

IDD 06 01:01:08.3:1.7.54:05N:164.40W, h0km, mb3.4/4, mb1 3.6/6, mb1mx3.4/45, mbtmp3.5/6, ML3.2/2, Error ellipse: s-maj=54.0km s-min=19.9km az=148.0

NEIC 06 01:01:11.3:0.0.53:78N:164.30W, h29km, ML3.3(AEIC), After AECIC

ISC 06 01:08.5:1.8.53:80N:0.07:164:27W:0.04, h12km, n12km, n44, e1:29/50, mb3.5/3, Unimak Island region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Lists various stations like West Dahl East, Westdahl Peak, Westdahl Cape, etc.

IDD 06 01:15:08.8:0.5.2:91S:129.37E, h0km, mb4.3/19, mb1 4.5/23, mb1mx4.4/45, mbtmp4.4/23, ML4.5/4, MS3.9/12, Ms1 3.9/12, ms1mx3.7/36, Error ellipse: s-maj=19.4km s-min=11.9km az=75.0

ISCJB 06 01:15:11.3:0.0.2:2:95S:0.02:129.39E:0.03, h28km, mb4.6/57, MS4.0/10, Error ellipse: s-maj=4.1km s-min=3.2km az=156.2

NEIC 06 01:15:11.8:2.7.2:91S:129.41E, h18km, n17km, mb4.8/40, Error ellipse: s-maj=7.7km s-min=5.0km az=55.0

DJA 06 01:15:15.0:0.8.3:2.1:12:9E, h27km, 7km, ML4.9/27, Ms1 3.9/12, mb4.9/27, ML4.9/27, MS3.9/12, Ms1 3.9/12, ms1mx4.9/27, Error ellipse: s-maj=14.8km s-min=11.9km az=75.0

ISC 06 01:15:13.4:0.3.2:91S:0.03:129.32E:0.04, h28km, n17s, e220/174, mb4.8/56, MS3.9/11, 1C-1D, Seram

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station Type. Lists various stations like BNDI Bandanaira, BNDI Banda, NMLAI Namlea, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Remarks. Includes stations like TTSI Tasa Toraja, EDFI Ende, SPSI Sidrap, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters for various stations.

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters for various stations.

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Table with columns: Code, Station Name, Time, Res. Includes stations like Varto-Mus, Koprucuk-ERZUR, Horasan, Kars, Akyaka, BINGOL, Silvan-Diyarba, etc.

IDC 06 04:09:00.4-0.6, 8.13S, 120.49E, h0km, mb4.4/11, mb1 4.5/13, mb1mx3.0/4.4, Error ellipse: s-maj=25.0km, s-min=1.9km az=79.0, ISCJB 06 04:09:04.6-0.2, 8.42S, 0.03, 120.44E, 0.03, h33km, mb4.7/31, MS2.9/1, Error ellipse: s-maj=5.1km, s-min=3.4km az=41.2, DJA 06 04:09:08.4-0.6, 8.2S, 120.49E, h24km, mb4.8/19, mb4.8/13, mb5.4/6, MLV4.8/19, Mw(mb)4.9/6, NEIC 06 04:09:08.5-0.7, 8.35S, 120.43E, h63km, mb4.5/21, Error ellipse: s-maj=9.1km s-min=5.9km az=54.0, NEIC Felt [III] at Ruteng, ISC 06 04:09:05.5-0.4, 8.39S, 0.04, 120.49E, 0.04, h35km, n110, s=327/110, mb4.6/31, 1D, Flores region

Main table for station data in the 6d 4h section, listing codes, station names, times, and resolutions for various locations like Ende, Flores, Waikabubak, Su, Maumere, etc.

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Main table for station data in the 2012 DEC section, listing codes, station names, times, and resolutions for various locations like UTTA, GUMO, SUKH, LAMP, CM31, etc.

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Table with columns: Code, Station Name, Time, Res. Includes stations like ASAR Alice Springs, FITZ Fitzroy Crossi, TXAR Lajitas Array, etc.

IDC 06 04:33:19.7-1.3, 57.23N, 154.15W, h0km, mb3.3/6, mb1 3.5/7, mb1mx3.4/5.0, mbtmp3.7/3.7, ML3.1/1, MS3.0/1, Ms1 3.1/1.1, ms1mx2.4/1.8, Error ellipse: s-maj=29.9km, s-min=13.0km az=160.0, ISCJB 06 04:33:23.5-0.8, 57.27N, 0.06, 153.9W, 0.1, h41km, mb3.4/5, MS2.9/1, Error ellipse: s-maj=10.7km, s-min=6.1km az=6.9, NEIC 06 04:33:24.5-0.0, 57.33N, 153.91W, h3km, ML3.1(AEIC), After AEIC, ISC 06 04:33:25.6-1.1, 57.27N, 0.08, 153.80W, 0.09, h41km, n15, s=202/19, mb3.4/5, Kodiak Island region

Main table for station data in the 232 section, listing codes, station names, times, and resolutions for various locations like OHAK Old Harbor, KDAK Kodiak Island, CNPM China Post, etc.

JMA 06 04:42:16.1, 38.48N, 141.99E, h46km, mb3.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Time, Res. Includes stations like JIKH Ishinomakikubo, JIO Ouri, JJKM Kesenumatomot, etc.

ISK 06 04:43:29.9, 37.32N, 37.15E, h8km, ML2.2/7, ISCJB 06 04:43:30.9-0.5, 37.28N, 0.03, 37.10E, 0.03, h7km, 5km, Error ellipse: s-maj=5.7km s-min=3.5km az=31.2, DDA 06 04:43:31.1, 37.29N, 37.13E, h7km, M13.0, ISC 06 04:43:30.7-0.9, 37.28N, 0.03, 37.11E, 0.03, h11km, 7km, n15, s=58/26, Turkey

Main table for station data in the 232 section, listing codes, station names, times, and resolutions for various locations like GAZ Gaziantep, KMRS Kahramanmaras, GZT Gaziantep, etc.

IDC 06 04:45:41.4-1.3, 0.077N, 160.46W, h0km, mb3.5/8, mb1 3.9/8, mb1mx3.8/4.1, mbtmp3.5/8, Error ellipse: s-maj=69.0km s-min=19.8km az=141.0, Line Islands region

Main table for station data in the 232 section, listing codes, station names, times, and resolutions for various locations like H112 WAKE ISLAND, H111 WAKE ISLAND, H113 WAKE ISLAND, etc.

IDC 06 04:18:34.4-8.5, 19.03S, 176.32W, h328km, 74km, mb3.5/5, mb1 3.7/6, mb1mx3.3/3.7, mbtmp4.3/6, Error ellipse: s-maj=126.7km s-min=34.8km az=157.0, Fiji Islands region

Table with columns: Code, Station Name, Time, Res. Includes stations like DZM Mont Dzumac, CTA Charters Tower, WRA Warramunga Arr, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TPNV Topopah Spring, DAC Darwin (Calif), FURC Furnace Creek, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like OGNE Ogallala, X16A Lo Mia Camp, SDCO Great Sand Dun, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like W50A Signal Mountai, SCHO Schefferville, Y49A Blount Mountain, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MK01 Makanchi Array, TBI Tubuai, ESDC Sonseca Array, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KURB Kurchatov, MK31 Makanchi Array, etc.

ISCJB 06 05:39:20.5±0.3, 52°35'N, 107°173'26"E, 0.03, h31km, mb4.3/53, MS3.7/2, Error ellipse: s-maj=7.1km s-min=2.7km az=179.5

MOS 06 05:39:21.2±0.9, 52°36'N, 173°26"E, h38km, mb4.6/30, Error ellipse: s-maj=9.9km s-min=4.9km az=134.7

NEIC 06 05:39:22.0±0.0, 52°40'N, 173°47"E, h20km, mb4.6/26, ML4.1(AEIC), After AEIC

KRSC 06 05:39:22.9±1.2, 52°28'N, 173°01"E, h103km, 57km, ML4.7

IDC 06 05:39:24.1±3.2, 52°50'N, 173°36"E, h45km, 31km, ML4.0/27, mb1.4, 1/28, mb1mx4.0/52, mbtmp4.2/28, ML3.7/1, MS3.2/6, Ms1.3/2/6, ms1mx2.0/59, Error ellipse: s-maj=18.8km s-min=10.3km az=168.0

ISC 06 05:39:22.1±0.5, 52°36'N, 107°173'23"E, 0.04, h31km, n222, s176/246, mb4.5/53, 3C-11D, Near Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MCK McKinley, MCK McKinley, WRH Wood River Hill, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KURB Kurchatov, MK31 Makanchi Array, etc.

MEX 06 05:44:14.8±0.5, 15°17'N, 93°08'W, h87km, 6km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PCIG Alices Springs, PCIG Alices Springs, THIG Alices Springs, etc.

Table with columns: RTLS, Leonicito, 0.52 181, i P, Pn, 06 00 10.3 +1.0, 06 00 24.1

IDC 06 06:07:45.3.0.8, 10:70'N, 126:13'E, h0km, mb3.9/11, mb1.4/0.11, mb1mx3.8/5.6, mbtmp3.9/11, MS2.4/1, Ms1.2/4.1, ms1mx2.4/3, Error ellipse: s-maj=62.3km s-min=14.0km az=67.0

ISOC 06:06:07:48.0.2.4, 11:03'N, 0:04:126:66E, 0:06, h33km, 18km, mb3.9/11, Error ellipse: s-maj=9.3km s-min=6.4km az=174.0

ISOC 06:06:07:49.2.3.6, 11:01'N, 0:05:126:56E, 0:10, h28km, 25km, n22, e1945.29, mb3.9/11, 2C, Philippine Islands region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC

IDC 06:06:11:10.8.9.1, 5:55S, 148:41E, h265km, 91km, mb3.3/4, mb1.3/5.6, mb1mx3.2/4.4, mbtmp4.0/6, MS2.9/2, Ms1.2/9.2, ms1mx3.5/17, Error ellipse: s-maj=51.4km s-min=39.9km az=136.0, New Britain region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC

ISOC 06:06:11:42.0.1.0, 4:41'S, 0:04:143:38E, 0:06, h19km, 9km, mb4.6/38, Error ellipse: s-maj=10.3km s-min=6.5km az=156.6

IDC 06:06:11:42.0.2.0, 4:36'S, 143:43E, h108km, 4km, mb4.2/22, mb1.4/3.26, mb1mx4.2/4.5, mbtmp4.6/26, MS3.1/5, Ms1.3/1.5, ms1mx2.7/26, Error ellipse: s-maj=13.6km s-min=9.6km az=77.0

NEIC 06:06:11:43.0.1.0, 4:39'S, 143:38E, h115km, 9km, mb4.7/9, Error ellipse: s-maj=8.6km s-min=6.0km az=68.0

NEIC Fell at Mendi, DJA 06:06:11:43.7.0.9, 4:5:10:14'3E, h94km, 10km, M4.6/10, mb35.0/6, mb4.0/10, MLV4.9/2, Mw1mBd1.3/6

ISOC 06:06:11:42.0.2.0, 4:35'S, 0:06:143:44E, 0:07, h110km, 5km, h110km, pP-P, n92, e1976.87, mb4.6/37, 1C-1D, New Guinea

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC

Main table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC

ms1mx2.5/23, Error ellipse: s-maj=330.3km s-min=148.7km az=82.0, Tonga Islands region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC

IDC 06:06:25:33.5.2.0, 13:99'N, 92:42'W, h0km, mb3.5/3, mb1.3/8.6, mb1mx3.5/37, mbtmp3.5/6, ML2.0/3, Error ellipse: s-maj=33.1km s-min=16.3km az=2.0

ISOC 06:06:25:36.0.0.9, 13:94'N, 0:09:92:41'W, 0:08, h46km, mb3.6/3, Error ellipse: s-maj=15.3km s-min=5.9km az=38.2

NEIC 06:06:25:36.4.0.0, 13:84'N, 92:49'W, h20km, MD4.0(MEX), After MEX

MEX 06:06:25:36.3.0.5, 13:84'N, 92:49'W, h20km, MD4.0 ISOC 06:06:25:38.9.1.1, 14:00'N, 1:01:92:47'W, 0:09, h46km, n23, e212.127, mb3.6/3, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC

IDC 06:06:30:39.1.1.3, 14:18'N, 92:41'W, h0km, mb3.7/7, mb1.4/0.11, mb1mx3.8/4.0, mbtmp3.7/11, ML3.5/4, MS3.2/1, Ms1.3/2.1, ms1mx2.3/33, Error ellipse: s-maj=24.9km s-min=13.6km az=15.0

ISOC 06:06:30:41.2.0.6, 13:30'N, 0:07:92:34'W, 0:06, h46km, mb4.1/18, MS3.0/1, Error ellipse: s-maj=10.8km s-min=5.9km az=33.2

MEX 06:06:30:42.4.0.8, 14:08'N, 92:41'W, h86km, 22km, MD4.2 NEIC 06:06:30:42.0.0.0, 14:09'N, 92:41'W, h86km, mb4.3/15, MD4.2(MEX), After MEX

ISOC 06:06:30:42.9.0.8, 13:94'N, 0:08:92:50'W, 0:08, h46km, n56, e215.5/9, mb4.2/18, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC

IDC 06:06:17:07.5.17.0, 22:89S, 175:01W, h0km, mb4.1/5, mb1.4/2.5, mb1mx3.8/38, mbtmp4.1/5, MS3.1/1, Ms1.3/3.1, 1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Pinedale Array, Red Top Meadow, Snow King Moun, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BOOM, USP, SNOW, NVAR, etc.

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

IDC 06:43:49.4-0.9,39.27Nk:72.50E,h0km,mb3.7/9, mb1 3.8/16,mb1mx3.7/46,mbtmp3.7/16,ML3.4/7,MS2.0/1, MS1 2.0/1,ms1mx1.8/39,Error ellipse:s-maj=15.7km s-min=13.8km az=131.0.

KRNET 06:43:51.0-0.1,39.43Nk:72.56E,h19km,mb3.4 NNC 06:43:55.4-1.1,39.58Nk:72.44E,h0km,mb2.4,mpv3.9, Error ellipse:s-maj=9.4km,s-min=3.4km az=2.0

SOME 06:43:56.5,39.80N,72.53E,h0km ISC 06:43:50.1-1.3,39.58N,0.04:72.58E,0.02,h2km,8km, n67,r2=28/102,mb3.8/9,25C-30D,Kyrgyzstan

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DRK, SFK, ARS, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BOOM, USP, SNOW, NVAR, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ONAJ, JFK, JFFD, etc.

IDC 06:47:45:07.6:2.6,54.28N,85.98E,h0km,mb1 2.9/2, mb1mx2.8/43,mbtmp2.9/2,ML2.5/2,Error ellipse: s-maj=18.8km s-min=13.1km az=45.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, etc.

ISCJB 06:08:04:22.0:0.6,31.26N,104.115:63W,0.05,h10km, Error ellipse:s-maj=7.7km s-min=4.2km az=135.5 ECX 06:08:04:23.1:0.3,31.22N,115:62W,h5km,MD2.0,ML2.2 MEX 06:08:04:23.2:0.3,31.22N,115:34W,h15km,1km,MD3.6 ISC 06:08:04:22.0:0.9,31.25N,105:115:66W,0.06,h10km,n10, o=26/15,4C-3D,Baja California

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPIG, SAN, etc.

UCR 06:07:10:19.7:1.1,11.98N,86.93W,h55km,10km,MD4.1, ML4.1,Near coast of Nicaragua

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

NIED 06:07:18:00.37:10N,141:20E,h35km,Mw3.7 Best double couple: Ms3.64000:1014 NP1.2:20.00000, delta17.00000, lambda-19.00000, NP2.2:128.00000, delta5.00000, lambda-106.00000

IDC 06:07:18:54.1:1.3,37.00N,141:41E,h0km,mb3.4/4, mb1 3.7/5,mb1mx3.4/32,mbtmp3.4/5,ML3.6/1,MS2.7/3, MS1 2.8/3,ms1mx2.5/23,Error ellipse:s-maj=32.7km s-min=21.7km az=148.0

ISCJB 06:07:18:55.4:1.3,37.07N,141:37E,0.07,h16km,8km, mb3.5/5,MS3.1/2,Error ellipse:s-maj=10.3km s-min=5.6km az=34.6 JMA 06:07:18:58.3:0.1,37.08N,141:23E,h37km,1km, M4.0 JMA Fell II J1

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

GUC 06:08:05:09.8:0.5,37:30S,74:65W,h23km,6km,ML3.6,Off coast of central Chile

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

IDC 06:08:13:32.1:55.0,16:25S,177:30W,h0km,mb3.6/3, mb1 3.8/3,mb1mx3.5/19,mbtmp3.6/3,Error ellipse: s-maj=1023.0km s-min=162.7km az=77.0,Fiji Islands region

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

NNC 06:08:13.3:3.4,37.54:15N,86:86E,h0km,mb3.5,mpv3.3, Error ellipse:s-maj=35.5km s-min=17.7km az=10.0, Suspected Mining explosion

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

KRSC 06 10:54:59.4z 1.8, 48.21N:156.58E, h17km, 34km, ML4.6
SKHL 06 10:55:00.1z 0.0, 48.20N:155.10E, h35km, 1km, mb4.7/2
IDC 06 10:55:01.9z 3.7, 48.30N:154.53E, h64km, 33km, mb3.6/18,
mb1 3.8/19, mb1mx3.7/43, mbtmp3.9/19, ML2.9/1, MS3.2/2,
Ms1 3.2/2, ms1mx2.6/36, Error ellipse: s-maj=18.0km
s-min=13.3km az=162.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Severo-Kuril's, Alaid, Pauzhetka, etc.

PLCA Passo Flores 146.96 94 PKPbc PKPdf 11 14 37.1+2.3
comp=N,1.0nm,0.8s,baz=278,slow=7.0,SNR=5.3

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

ISK 06 11:10:03.1, 37.05N:41.24E, h4km, ML2.6/3
DDA 06 11:10:04.7, 37.12N:41.24E, h7km, ML2.5
ISC 06 11:10:04.2z 1.7, 37.09N:41.23E, h11km,
n12, az=77/21, Turkey

SVSA 06 11:16:59.7z 1.6, 34.01N:21.02W, h10km, MD5.3, ML4.5,
Error ellipse: s-maj=40.0km s-min=10.3km az=47.0
IDC 06 11:17:00.2z 1.4, 34.04N:20.00W, h0km, mb3.7/5,
mb1 3.9/5, mb1mx3.5/44, mbtmp3.7/5, MS2.9/3, Ms1 2.9/3,
ms1mx2.5/39, Error ellipse: s-maj=37.0km s-min=29.7km
az=37.0

INMG 06 11:17:01.7z 2.6, 34.50N:20.78W, h10km, ML3.7, Error
ellipse: s-maj=10.6km s-min=6.9km az=39.0
ISC 06 11:16:59.7z 1.6, 34.07N:20.00W, h10km, n30,
r186/23, mb3.6/5, Azores Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Porto Moniz, PMOZ, Santa Maria, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11S3 WAKE ISLAND, H11S1 WAKE ISLAND, etc.

6d 16h

KK31	Karayat Array	5.93 359	U Pn	Pn	15 11 50.1 +0.7
AAK	1.0nm,0.8s,baz=175,slow=12,SNR=26				
AAK	7.1nm,0.8s,baz=180,slow=21,SNR=13				15 13 00.1 +2.1
AAK	1.4m,0.8s,baz=21,SNR=13				15 11 52.3 -1.0
AAK	0.8nm,0.5s				
AAK	2.4nm,0.4s				15 13 04.0 -1.1

ICD 06 15:25:20.7-2.7, 8.52S, 112.57E, h0km, mb3.3/3, mb1 3.5/4, mb1mx3.4/4.1, mbtmp3.4/4.4, ML3.2/1, MS2.6/1, Ms1 2.6/1, ms1mx2.1/1.5, Error ellipse: s-maj=152.5km s-min=26.1km az=48.0
ISCJB 06 15:25:25.9, 0.7, 9.18S, 0.10, 112.20E, 0.09, h52km, mb3.3/3, Error ellipse: s-maj=17.9km s-min=6.2km az=43.5
DJA 06 15:25:26.1, 0.6, 9.1S, 10.11, 112.2E, h98km, gkm, M3.7/8, ML3.7/8

ISC 06 15:25:26.5, 1.1, 9.1S, 10.11, 112.2E, 0.1, h52km, n11, c1501/12, mb3.1/3, South of Java

Code	Station Name	Δ° AZ°	Phase ID	Time Res
PWJ1	Pagerwojo	1.18 340	Op Pn	15 25 47.0 +0.2
PWJ2	Pacitan	1.39 313	S Pn	15 26 02.0 +0.1
PCJ1	Pacitan	1.39 313	S Pn	15 26 06.0 +0.1
WOJ1	Wongiri, Jawa	1.81 316	P Pn	15 25 56.0 +0.6
WOJ2	Wongiri, Jawa	1.81 316	S Pn	15 26 18.7 +1.4
NGJ1	Ngawi	1.91 337	P Pn	15 26 01.1 +4.4
UGM	Wanagama	2.07 306	P Pn	15 26 00.1 +1.2
UGM	Wanagama	2.07 306	S Pn	15 26 23.4 +0.1
KPJ1	Karang Pucung	3.71 299	P Pn	15 26 22.7 +1.4
CMJ1	Cimerak	3.96 290	P Pn	15 26 24.0 +0.7
FITZ	Fitzroy Crossi	15.79 126	Pn	15 29 04.9 -0.7
FITZ	0.1nm,0.3s,baz=312,slow=12,SNR=3.0			
FITZ	0.1nm,0.3s,baz=222,slow=22,SNR=2.8			
FITZ	comp=Z,20nm,18.1s,baz=254,slow=38			
WRA	Warramunga Arr	23.93 119	P	15 30 36.6 +0.6
UGM	0.4nm,0.6s,baz=304,slow=9,SNR=7.9			
ASAR	Alice Springs	25.28 127	P	15 30 50.1 +1.9
UGM	0.4nm,0.6s,baz=304,slow=9,SNR=18			
MKAR	Makanchi Array	61.75 337	P	15 35 38.2 -1.5
UGM	0.4nm,0.6s,baz=165,slow=7,SNR=4.3			

ICD 06 15:32:02.3-2.2, 61.30N, 151.83W, h86km, mb2.9/1, mb1 2.9/4, mb1mx2.8/3.7, mbtmp2.9/4, Error ellipse: s-maj=49.4km s-min=9.8km az=108.0, Southern Alaska

Code	Station Name	Δ° AZ°	Phase ID	Time Res
KDAK	Kodiak Island	3.55 187	Op Pn	15 32 56.8 +1.7
KDAK	0.2nm,0.3s,baz=16,slow=19,SNR=3.3			
KDAK	0.3nm,0.3s,baz=342,slow=20,SNR=3.3			
ILAR	Eielson Array	4.14 31	P	15 33 04.6 +1.5
ILAR	0.2nm,0.3s,baz=215,slow=13,SNR=13			
ILAR	0.2nm,0.3s,baz=216,slow=26,SNR=3.7			
YKA	Yellowknife Ar	17.42 70	P	15 36 01.0 +1.6
UGM	0.3nm,0.3s,baz=283,slow=14,SNR=5.0			
TXAR	Lajitas Array	44.93 113	P	15 40 07.9 -0.5
UGM	0.2nm,0.6s,baz=329,slow=6,SNR=2.8			

ISCJB 06 15:46:47.0, 3.54, 01S, 0.05, 1.89W, 0.10, h10km, mb4.9/4, MS4.4/2, Error ellipse: s-maj=6.2km s-min=2.8km az=17.7
ICD 06 15:46:47.4, 0.6, 54.07S, 1.88W, h0km, mb4.3/1, mb1 4.4/2, mb1mx4.2/2.9, mbtmp4.3/2.1, ML4.7/1, MS4.3/2, Ms1 4.3/2, ms1mx4.2/2.7, Error ellipse: s-maj=22.5km s-min=16.5km az=92.0
NEIC 06 15:46:49.3, 0.3, 54.07S, 1.90W, h10km, mb4.9/34, Error ellipse: s-maj=8.9km s-min=7.6km az=140.0
GCMT 06 15:46:51.3, 0.2, 54.24S, 0.01, 1.36W, 0.02, h17km, 1km, MW5.1/105, Moment Tensor Solution. s42, c55; s105, c252; Duration: 0 Moment tensor: Scale 10¹⁶Nm; M₁-0.52±.13; M₂-0.45±.12; M₃-0.36±.12; M₄-0.83±.30; M₅-2.55±.10; M₆-0.03±.29; Best double couple; M₅-0.0220×10¹⁶ Np, λ=240.00000°, δ=87.00000°, λ172.00000°, NP2=331.00000°, δ82.00000°, λ3.00000°. Principal axes: T 5.3620, Pkg9.0000°, Azm195.0000°; N -0.6800, Plg82.0000°, Azm41.0000°; P -4.6820, Plg4.0000°, Azm286.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
ISC 06 15:46:49.3, 0.4, 54.06S, 0.07, 1.97W, 0.08, h10km, n94, c1528/68, mb4.8/4, MS4.4/2, 1C-1D, Bouvet Island region

Code	Station Name	Δ° AZ°	Phase ID	Time Res
VNA1	Neumayer-Stat	16.89 187	Op Pn	15 50 46.7 -0.7
VNA2	Neumayer-Watz	17.10 186	P Pn	15 50 48.6 +0.5
VNA3	Neumayer Olymp	17.18 188	P	15 50 55.6 +0.5
SNA4	Sanae	17.68 181	P	15 50 56.0 +0.4
SNA4	Sanae	17.68 181	P	15 50 56.2 -0.1
SNA4	2.3nm,0.3s,baz=353,slow=14,SNR=30			
SNA4	comp=Z,2um,19.6s,baz=350,slow=32			
SNA4	Sanae	17.68 181	eP Pn	15 50 53.6 -1.8
SYO	Syowa Base	24.16 144	eP P	15 52 03.2 -1.9
SYO	Syowa Base	24.16 144	eP P	15 52 05.6 +0.5
SUR	Sutherland	27.07 146	eP P	16 00 59.3
PMSA	Palmer Station	31.99 226	eP P	15 53 17.6 +2.4
BOSA	Boshof	32.25 49	LR	16 04 09.8
BOSA	comp=Z,336nm,18.6s,baz=238,slow=32			
BOSA	Boshof	32.25 49	eP P	15 53 19.9 +2.0
MAW	Mawson	32.63 140	LR	16 04 27.9
MAW	comp=Z,180nm,19.7s,baz=238,slow=32			
MAW	Mawson	32.63 140	eP P	15 53 22.1 +1.4
LBTB	Lobate	35.53 46	eP P	15 53 47.8 +1.5
QSPA	South Pole Qui	36.19 180	P	15 53 51.2 -0.6
QSPA	South Pole Qui	36.19 180	P	15 53 51.1 -0.6
TSUM	Tsumeb	37.90 31	P	15 54 06.7 +0.1
TSUM	0.4nm,0.6s,baz=196,slow=4,SNR=9.6			
TSUM	Tsumeb	37.90 31	eP P	15 54 06.5 -0.2
SHEL	Horse Pasture	38.13 354	eP P	15 54 08.9 +0.4
MATP	Matopop	40.82 47	P	15 54 28.6 -2.4
TRQA	Torquai	43.24 266	eP P	15 54 50.0 -0.6
LSZ	Lusaka	45.29 43	eP P	15 55 05.3 -2.0
H10S2	ASCENSION HYDR#6.11 342	T	T	16 44 52.0
H10S3	ASCENSION HYDR#12 342	T	T	16 44 51.0
H10S1	ASCENSION HYDR#6.13 342	T	T	16 44 53.4
PLCA	Paso Flores	46.48 257	LR	16 44 17.5
PLCA	Paso Flores	46.48 257	LR	15 55 17.5 +1.1
GO06	Cararrehue	47.77 258	eP P	15 55 27.9 +1.4
SBA	Scott Base	48.17 177	eP P	15 55 27.9 -1.0
VNDA	Vanda	48.30 175	P	15 55 29.3 -0.3
VNDA	comp=Z,1um,19.7s,baz=186,slow=36			
VNDA	Vanda	48.30 175	eP P	15 55 29.8 -0.3
CPUP	Villa Florida	48.92 282	P	15 55 34.0 -1.4
CPUP	5.2nm,1.0s,baz=119,slow=6,SNR=7.6			

2012 DEC

Code	Station Name	Δ° AZ°	Phase ID	Time Res
CPUP	comp=Z,128nm,20.5s,baz=152,slow=33			
CPUP	Villa Florida	48.92 282	eP P	15 55 35.2 -0.1
ABPO	Ambohimonom	51.24 67	eP P	15 55 54.9 +1.7
PEL	Peldelue	51.75 265	eP P	15 55 58.4 +1.6
ROCI	El Rosile	52.06 264	eP P	15 56 01.6 +2.2
BDFB	Brasilia	52.36 299	P	15 56 01.5 0.0
BDFB	5.3nm,0.8s,baz=146,slow=5,SNR=5.1			
BDFB	comp=Z,457nm,21.1s,baz=122,slow=31			
RER	Riviere de l'E	54.28 76	eP P	15 56 14.9 -0.8
LCO	Las Campanas	54.76 268	eP P	15 56 19.4 +0.1
RCBR	Riachuelo	55.38 318	eP P	15 56 20.6 -3.0
GO03	Copiap	55.53 270	eP P	15 56 21.2 -3.4
GO02	Mina Guanaco	56.98 272	eP P	15 56 35.2 -0.1
LVC	Limon Verde	58.52 275	eP P	15 56 46.1 -0.1
DBIC	Dimbokro	60.55 357	P	15 57 00.6 +0.9
DBIC	6.0nm,0.9s,baz=173,slow=13,SNR=3.7			
DBIC	comp=Z,154nm,21.5s,baz=148,slow=30			
DBIC	Dimbokro	60.55 357	eP P	15 56 59.9 +0.2
GO01	Chuzmia	60.97 276	eP P	15 57 03.0 -0.1
MNMC	Minjye Minjye	61.62 276	eP P	15 57 12.3 +4.9
KMBO	Killima Mbogo	61.84 46	eP P	15 57 09.0 +0.5
LPZA	La Paz	63.00 280	P	15 57 16.9 -0.1
LPZA	2.6nm,0.8s,baz=131,slow=7,SNR=4.8			
LPZA	comp=Z,104nm,21.3s,baz=131,slow=33			
LPZA	La Paz	63.00 280	eP P	15 57 16.8 -0.3
TOA0	Torodi Ar. Sit	67.01 4	eP P	15 57 41.7 -0.5
TORD	Torodi Ar. Bea	67.01 4	P	15 57 41.6 -0.6
TORD	1.0nm,0.9s,baz=174,slow=1,SNR=4.8			
TORD	comp=Z,467nm,22.0s,baz=195,slow=30			
TOA1	Torodi Ar. Sit	67.02 4	eP P	15 57 41.6 -0.7
PTGA	Pitinga	71.18 296	eP P	15 58 08.4 +0.2
DGAR	Diego Garcia	74.90 82	eP P	15 58 30.2 -0.7
H08N	Diego Garcia H	74.90 82	T	17 20 29.4
H08N1	Diego Garcia H	74.90 82	T	17 20 34.8
H08N2	Diego Garcia H	74.90 82	T	17 20 35.2
H01W2	Cape Leeuwin H	75.71 130	T	17 22 26.0
H01W1	Cape Leeuwin H	75.72 130	T	17 22 21.8
H01W3	Cape Leeuwin H	75.72 130	T	17 22 23.6
TAM	Tamanrasset	76.80 7	eP P	15 58 41.5 +0.5
OTAV	Otavalo	82.27 281	eP P	15 59 11.6 +0.1
RPZ	Rata Peaks	82.42 175	LR	16 32 47.2
OXFR	Oxford	82.86 176	eP P	15 59 15.1 +1.5
GRX	Grenville	82.97 302	eP P	15 59 15.2 +0.8
ROSC	Rosal	83.66 287	LR	16 35 11.6
MDT	Midelt	86.55 358	LR	16 34 08.1
CAN	Canberra	87.51 157	eP P	15 59 35.3 -1.9
ANWB	Wilby Bob	87.74 304	eP P	15 59 38.3 0.0
URZ	Urewera	88.05 179	LR	16 35 25.8
STKA	Stevens Creek	88.80 150	P	15 59 41.3 -2.0
STKA	Stevens Creek	88.80 150	eP P	15 59 41.8 -1.5
EIF	Jabal al Asfar	89.22 32	LR	16 38 44.5
MMAI	Mount Marion Ar	92.54 31	LR	16 40 31.1
ESDC	Sonsea Array	93.38 358	LR	16 39 23.6
ASAR	Alice Springs	93.76 140	P	16 00 06.6 +0.1
ASAR	0.3nm,0.9s,baz=209,slow=5,SNR=3.1			
BRTR	Keskin Array B	98.31 27	LR	16 44 44.1
PPT2	Papeete2	103.43 212	eLR	16 34 49.0
DZM	Mont Dumac	103.53 169	LR	16 34 51.9
CLL	Collim	105.74 10	ePP PS	16 05 18.0 -4.6
CLL	16 14 42.0 +3.7			
CLL	16 20 36.0 +1.5			
CLL	16 46 00.0			
CLL	comp=Z,100nm,20.4s			
TAOE	Nuku Hiva Isla	108.10 224	eLR	16 36 52.5
CD2	Chengde Array S	123.38 82	PKP	16 05 45.9 -0.3
ARAD	ARCCESS Array S	124.90 11	PKP	16 05 48.5 +0.7
ARCES	ARCCESS Array B	124.90 11	PKP	16 05 48.5 +0.7
LZH	Lanzhou	127.14 78	ePKP	16 05 54.8 +1.4
LZH	16 05 51.1 +3.1			
LZH	16 06 03.2			
LZH	comp=N,120nm,17.9s			
LZH	16 17 10.6 -3.5			
LZH	16 17 28.2 -5.3			
LZH	16 17 11.0 -3.7			
LZH	16 17 29.8 -5.1			
LZH	16 17 12.3 -4.6			
YKA	Yellowknife Ar	145.16 311	PKP	16 06 24.0 -1.1
YKBS	Yellowknife Ar	145.16 311	PKP	16 06 24.2 -1.0
YKWS	Yellowknife Ar	145.18 312	PKP	16 06 24.2 -1.0
DOT	Dot Lake	158.50 312	PKP	16 06 46.5 +1.0
ILAR	Eielson Array	159.48 315	PKP	16 07 25.4 +0.7
ILB	Eielson Array	159.48 315	PKP	16 07 24.2 -0.5

MEX 06 16:11:19.8, 0.7, 15.65N, 92.11W, h185km, 1.4km, MD4.0, Mexico-Guatemala border region

Code	Station Name	Δ° AZ°	Phase ID	Time Res
THIG	0.75 192	Op Pn	16 17 05.4 -1.0	
THIG	16 17 04.7 -2.3			
PCIG	1.07 273	eS Pn	16 11 47.5 -1.0	
PCIG	16 12 08.1 -2.6			

6d 16h

Table with columns: QZH, comp, smax, smax, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KNMB, LYJ, MHZO, XPSS, JIRB, etc.

MEX 06 16:49:16.1±0.3, 16°49N:98°30W, h22km, 8km, MD3.7

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

ISCJB 06 16:50:52.9±0.4, 54°04'S:0°06'1.3W, h10km, mb4.5/15, MS4.3/15, Error ellipse: s-maj=15.3km s-min=8.1km az=177.9

IDC 06 16:50:53.0±0.7, 54°10'S:1°17'W, h0km, mb4.2/11, mb1.4, 3/12, mb1.2/23, mbtmp4.3/12, ML 4.3/1, MS4.2/16, MS1.4/2/16, ms1mx1.4/2, Error ellipse: s-maj=25.2km s-min=15.9km az=83.0

NEIC 06 16:50:54.4±0.3, 54°13'S:1°18'W, h10km, mb4.8/13, Error ellipse: s-maj=14.1km s-min=8.1km az=77.0

GCMT 06 16:50:57.4±0.2, 54°26'S:0°01'1.43W, h0.02, h14km, 1km, MW5.0/98, Moment Tensor Solution. s37,c42; s98,c140; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=0.96±.12; Mw=3.74±.15; Mbb=2.78±.11; Mbr=0.67±.23; Mbb-2.20±.11; Mr=1.81±.32; Best double couple: M=4.44100±.1016 Np1=149.00000°, δ=1.00000°, λ=28.00000°, NP2: φ=244.00000°, δ=62.00000°, λ=169.00000°. Principal axes: T 4.6680, P1g192.0000; Az=192.0000; N 0.4530, P1g61.0000; Az=312.0000; P 4.2150, P1g26.0000; Az=103.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 06 16:50:54.5±0.5, 54.095°S:0°07'1.8W, h10km, n55, ±122/38, mb4.6/15, MS4.2/15, 2/C2, Bouvet Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VNA1, VNA2, VNA3, SNA, SYO, etc.

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Table with columns: CPUP, Villa Florida, 49.02 282 P, 16 59 41.2 -0.2, etc. Includes stations like CPUP, BDFB, DBIC, etc.

ISCJB 06 16:52:23.5±0.3, 56°06'S:0°05:27.33W, h112km, mb4.8/41, Error ellipse: s-maj=8.1km s-min=5.2km az=42.4

BUJ 06 16:52:25.9±0.5, 56°10'S:0°27:40W, h107km, mb5.2/1, NEIC 06 16:52:25.9±1.2, 56°11'S:27:35W, h121km, 11km, mb4.9/35, Error ellipse: s-maj=6.3km s-min=5.6km az=212.0

IDC 06 16:52:28.3±0.6, 56°16'S:27:33W, h32km, 93km, mb4.1/16, mb1.4/2/18, mb1mx4.1/2, mbtmp4.6/18, Error ellipse: s-maj=13.1km s-min=10.0km az=62.0

ISC 06 16:52:25.1±0.3, 56°14'S:0°07:27.47W, h112km, n101, ±134/95, mb4.7/41, 1C-1D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HOPE, VNA1, VNA3, ENI, SNA, etc.

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Table with columns: LBTB, Lobatse, 49.18 73 P, 17 01 01.1 -0.7, etc. Includes stations like LBTB, H10N1, H10N3, etc.

IDC 06 16:59:54.3±0.3, 36°31'N:70°45'E, h178km, 27km, mb3.2/8, mb1.3/3/14, mb1mx3.1/49, mbtmp3.8/14, Error ellipse: s-maj=22.6km s-min=15.0km az=28.0

ISCJB 06 16:59:56.4±0.4, 36°49'N:0°03:70.45E, h204km, mb3.2/7, Error ellipse: s-maj=7.2km s-min=3.5km az=161.2

NINC 06 16:59:58.2±0.6, 37°03'N:69°83'E, h0km, mb4.1, mpv3.7, Error ellipse: s-maj=16.0km s-min=35.5km az=162.0

ISC 06 16:59:56.3±0.6, 36.43°N:0°03:70.44E, h204km, n46, ±255/56, mb3.3/7, 6C-4D, Hindu Kush region

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

6d 17h

Table with 4 columns: Call sign, Name, Frequency, and Mode. Includes stations like THR3, THR6, THR2, etc.

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Table with 4 columns: Call sign, Name, Frequency, and Mode. Includes stations like VOIR, BR101, BR131, etc.

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Table with 4 columns: Call sign, Name, Frequency, and Mode. Includes stations like GRFO, GRFO, GRA1, etc.

TEH 06 18:29:05.3,40.01'N,54.09'E,h10km,ML4.4
 IDC 06 18:29:06.4,0.9,39.68N,54.01'E,h0km,mb3.9/17,
 mb1.4/2.5,mb1mx4.0/4.0,mbtmp4.0/2.5,ML3.9/6,MS3.3/6,
 M51.3/3.6,ms1mx2.7/4.8,Error ellipse: s-maj=19.3km
 s-min=8.7km az=172.0
 NEIC 06 18:29:07.1,2.6,39.80N,54.09'E,h2km,18km,mb4.2/11,
 Error ellipse: s-maj=8.5km s-min=4.2km az=176.0
 MOS 06 18:29:08.7,1.5,39.88N,54.16'E,h30km,mb4.2/9,Error
 ellipse: s-maj=5.9km s-min=5.0km az=38.0
 ISCJCB 06 18:29:09.4,0.2,39.84N,0.02,54.17E,0.02,h32km,
 mb4.0/2.3,MS3.6/2,Error ellipse: s-maj=2.9km
 s-min=1.8km az=13.3
 AZER 06 18:29:11.4,0.8,39.26N,53.95'E,h20km,ml4.4/16,Error
 ellipse: s-maj=8.3km s-min=6.6km az=29.0
 NINC 06 18:29:12.0,3.0,40.15N,54.83'E,h0km,mb4.6,mpv4.4,
 Error ellipse: s-maj=32.0km s-min=10.1km az=72.0
 ISC 06 18:29:10.3,0.4,39.85N,0.04,54.20E,0.03,h32km,n214,
 z=258/259,mb4.0/2.3,45C-40D,Turkmenistan

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC	h m s	ISC
GEYT	Alibek	3.61	121	Op Pn	18 30 04.8	+0.8			
GEYT	ALIBEK ARRAY	3.61	121	Op Pn	18 30 45.0	-0.7			
GEYT	Alibek	3.61	121	Op Pn	18 30 05.7	+1.7			
GEYT	Alibek	3.61	121	Op Pn	18 30 45.3	-0.3			
GEYT	Alibek	3.61	121	Op Pn	18 30 06.0	+1.9			
GEYT	Alibek	3.61	121	Op Pn	18 30 06.8				
GEYT	Alibek	3.61	121	Op Pn	18 30 06.1	+1.1			
GEYT	Alibek	3.61	121	Op Pn	18 30 07.7	+1.3			
GEYT	Alibek	3.61	121	Op Pn	18 30 54.5	+4.7			
GEYT	Alibek	3.61	121	Op Pn	18 30 53.6				
GEYT	Alibek	3.61	121	Op Pn	18 30 07.5	-0.5			
GEYT	Alibek	3.61	121	Op Pn	18 30 08.8	+0.2			
GEYT	Alibek	3.61	121	Op Pn	18 30 10.1	+0.9			
GEYT	Alibek	3.61	121	Op Pn	18 30 57.3	+2.3			
GEYT	Alibek	3.61	121	Op Pn	18 30 12.0	+1.5			
GEYT	Alibek	3.61	121	Op Pn	18 30 58.8	+1.5			
GEYT	Alibek	3.61	121	Op Pn	18 30 13.5	+2.6			
GEYT	Alibek	3.61	121	Op Pn	18 31 08.0				
GEYT	Alibek	3.61	121	Op Pn	18 30 12.8	+1.7			
GEYT	Alibek	3.61	121	Op Pn	18 31 03.4				
GEYT	Alibek	3.61	121	Op Pn	18 30 13.9	+2.5			
GEYT	Alibek	3.61	121	Op Pn	18 31 01.1	+2.3			
GEYT	Alibek	3.61	121	Op Pn	18 30 15.3	+0.3			
GEYT	Alibek	3.61	121	Op Pn	18 31 04.4	+3.6			
GEYT	Alibek	3.61	121	Op Pn	18 30 14.9	+1.8			
GEYT	Alibek	3.61	121	Op Pn	18 31 49.4				
GEYT	Alibek	3.61	121	Op Pn	18 30 12.6	-1.6			
GEYT	Alibek	3.61	121	Op Pn	18 30 59.7	-4.2			
GEYT	Alibek	3.61	121	Op Pn	18 30 17.0	+2.2			
GEYT	Alibek	3.61	121	Op Pn	18 31 56.5				
GEYT	Alibek	3.61	121	Op Pn	18 30 17.3	+2.4			
GEYT	Alibek	3.61	121	Op Pn	18 30 17.4	+2.6			
GEYT	Alibek	3.61	121	Op Pn	18 31 08.7	+3.9			
GEYT	Alibek	3.61	121	Op Pn	18 31 10.3	-1.4			
GEYT	Alibek	3.61	121	Op Pn	18 30 59.8	-5.0			
GEYT	Alibek	3.61	121	Op Pn	18 30 13.3	-2.0			
GEYT	Alibek	3.61	121	Op Pn	18 31 16.6	+0.3			
GEYT	Alibek	3.61	121	Op Pn	18 31 05.8	-2.5			
GEYT	Alibek	3.61	121	Op Pn	18 30 27.8	-2.3			
GEYT	Alibek	3.61	121	Op Pn	18 31 36.6				
GEYT	Alibek	3.61	121	Op Pn	18 31 15.0	+5.1			
GEYT	Alibek	3.61	121	Op Pn	18 30 19.0	+1.1			
GEYT	Alibek	3.61	121	Op Pn	18 30 20.8				
GEYT	Alibek	3.61	121	Op Pn	18 30 20.6	+1.6			
GEYT	Alibek	3.61	121	Op Pn	18 31 14.8	+2.5			
GEYT	Alibek	3.61	121	Op Pn	18 30 18.0	+1.2			
GEYT	Alibek	3.61	121	Op Pn	18 31 07.4	-5.4			
GEYT	Alibek	3.61	121	Op Pn	18 30 22.4	+1.8			
GEYT	Alibek	3.61	121	Op Pn	18 31 20.6	+5.4			
GEYT	Alibek	3.61	121	Op Pn	18 30 23.0	+2.5			
GEYT	Alibek	3.61	121	Op Pn	18 31 21.6	+6.5			
GEYT	Alibek	3.61	121	Op Pn	18 30 23.9	+2.6			
GEYT	Alibek	3.61	121	Op Pn	18 31 24.6				
GEYT	Alibek	3.61	121	Op Pn	18 30 24.8	+1.9			
GEYT	Alibek	3.61	121	Op Pn	18 31 21.4	+2.1			
GEYT	Alibek	3.61	121	Op Pn	18 30 24.1	+0.7			
GEYT	Alibek	3.61	121	Op Pn	18 30 27.1				
GEYT	Alibek	3.61	121	Op Pn	18 31 19.7	-0.4			
GEYT	Alibek	3.61	121	Op Pn	18 30 27.0	+2.5			
GEYT	Alibek	3.61	121	Op Pn	18 31 31.1				
GEYT	Alibek	3.61	121	Op Pn	18 30 28.9	+3.2			
GEYT	Alibek	3.61	121	Op Pn	18 31 26.8	+2.4			
GEYT	Alibek	3.61	121	Op Pn	18 32 45.8				
GEYT	Alibek	3.61	121	Op Pn	18 30 32.1	-3.5			
GEYT	Alibek	3.61	121	Op Pn	18 31 38.5	-3.7			
GEYT	Alibek	3.61	121	Op Pn	18 30 32.0	+1.9			
GEYT	Alibek	3.61	121	Op Pn	18 31 34.9	+2.6			
GEYT	Alibek	3.61	121	Op Pn	18 31 34.3	+1.9			
GEYT	Alibek	3.61	121	Op Pn	18 30 30.4	-0.1			
GEYT	Alibek	3.61	121	Op Pn	18 30 31.4	0.0			
GEYT	Alibek	3.61	121	Op Pn	18 30 33.0				
GEYT	Alibek	3.61	121	Op Pn	18 30 34.3	+0.3			
GEYT	Alibek	3.61	121	Op Pn	18 31 43.1				
GEYT	Alibek	3.61	121	Op Pn	18 30 41.9	+1.4			
GEYT	Alibek	3.61	121	Op Pn	18 31 32.5	+0.3			
GEYT	Alibek	3.61	121	Op Pn	18 31 53.9	-1.0			
GEYT	Alibek	3.61	121	Op Pn	18 30 48.0	+2.0			
GEYT	Alibek	3.61	121	Op Pn	18 30 49.1				
GEYT	Alibek	3.61	121	Op Pn	18 30 47.1	+1.0			
GEYT	Alibek	3.61	121	Op Pn	18 30 47.4	+0.9			
GEYT	Alibek	3.61	121	Op Pn	18 32 20.0				
GEYT	Alibek	3.61	121	Op Pn	18 30 47.7	+0.3			

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC	h m s	ISC
NAX	Oazax, Azerbai	6.84	283	Op Pn	18 32 02.4	-0.9			
NAX	Ozax	6.84	283	Op Pn	18 30 49.2	+0.8			
NAX	Ozax	6.84	283	Op Pn	18 32 05.4	+0.3			
NAX	IKLH	6.85	199	Op Pn	18 30 49.7	+0.9			
NAX	IKLH	6.85	199	Op Pn	18 31 08.8				
NAX	Shabestar	6.86	260	Op Pn	18 30 49.6	+0.7			
NAX	ISHB	6.86	260	Op Pn	18 32 21.6				
NAX	Parvadeh(Tabas	7.10	163	Op Pn	18 30 54.0	+1.9			
NAX	TPRV	7.10	163	Op Pn	18 30 54.0	+1.9			
NAX	IZEF	7.10	193	Op Pn	18 30 52.8	+0.5			
NAX	IZEF	7.10	193	Op Pn	18 31 19.7				
NAX	GROG	7.14	301	Op Pn	18 30 53.1	+0.7			
NAX	GROG	7.14	301	Op Pn	18 32 16.8	+4.4			
NAX	GROG	7.19	220	Op Pn	18 30 54.5	+1.0			
NAX	GNI	7.27	275	Op Pn	18 30 55.6	+1.2			
NAX	GNI	7.27	275	Op Pn	18 30 56.0	+1.6			
NAX	GNI	7.27	275	Op Pn	18 30 56.0	+1.6			
NAX	TBLG	7.42	288	Op Pn	18 30 56.9	+0.6			
NAX	TBLG	7.42	288	Op Pn	18 30 56.9	+0.6			
NAX	ICHK	7.59	179	Op Pn	18 31 00.5	+1.5			
NAX	ICHK	7.59	179	Op Pn	18 31 02.0				
NAX	IPIR	7.63	201	Op Pn	18 31 12.0				
NAX	IPIR	7.63	201	Op Pn	18 31 02.4	+2.8			
NAX	GUDG	7.78	293	Op Pn	18 32 24.6	-4.1			
NAX	GUDG	7.78	293	Op Pn	18 31 05.0	+2.5			
NAX	ITEG	7.85	151	Op Pn	18 31 03.6	+1.2			
NAX	ITRLG	7.85	286	Op Pn	18 32 26.3	-4.0			
NAX	ITRLG	7.85	286	Op Pn	18 31 05.3	+1.6			
NAX	IRAM	8.16	191	Op Pn	18 31 18.2				
NAX	IRAM	8.16	191	Op Pn	18 31 07.8	+1.1			
NAX	ZEI	8.29	294	Op Pn	18 31 12.1	+3.7			
NAX	IMEH	8.45	178	Op Pn	18 31 11.7	+0.1			
NAX	IMEH	8.45	178	Op Pn	18 31 13.9				
NAX	ONI	8.55	292	Op Pn	18 31 14.2	+2.4			
NAX	ONI	8.55	292	Op Pn	18 31 14.2	+2.4			
NAX	NEY	9.25	295	Op Pn	18 31 19.3	-2.3			
NAX	NEY	9.25	295	Op Pn	18 31 19.3	-2.3			
NAX	KBZ	9.29	298	Op Pn	18 31 21.6	-0.3			
NAX	KBZ	9.29	298	Op Pn	18 33 01.6	-3.5			
NAX	KIV	9.50	299	Op Pn	18 31 26.4	+1.3			
NAX	KIV	9.50	299	Op Pn	18 31 25.7	+0.6			
NAX	KIV	9.51	299	Op Pn	18 33 11.3	+0.5			
NAX	GOF	9.74							

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KSAR, KSAR, KSRS, BILL, BILL, ILAR, ILAR, ILB, YKA.

WEL 06 18:31:50.1,38'S±13°18'0W±1,h33km,ML4.0/13,East of North Island

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WMGZ, WMGZ, MXZ, MXZ, PUKZ, PUKZ, PKGZ, PKGZ, CNGZ, CNGZ, TWGZ, TWGZ, HAZ, HAZ, TKGZ, TKGZ, RUGZ, RUGZ, RIGZ, RIGZ, PRGZ, PRGZ, MWZ, MWZ, MHGZ, MHGZ, URZ, URZ, TARZ, TARZ.

ISCJB 06 18:56:40.6:0.2,23°56'N:0°01'121°59'E:0.01,h29km±1km, Error ellipse: s-maj=2.5km s-min=1.6km az=40.3 JMA 06 18:56:40.3:0.1,23°59'N:121°55'E,h21km±4km, M3.6 TAP 06 18:56:40.7,23°56'N:121°53'E,h34km,ML3.8,8 ISC 06 18:56:40.7:0.9,23°57'N:0°02'121°57'E:0.02,h32km±5km, n122,σ0778/209,21C-23D,Taiwan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HGSD, HGSD, EGFH, EGFH, ESL, ESL, YULB, YULB, TWFI, TWFI, ENLB, ENLB, HWA, HWA, VWDT, VWDT, CHKT, CHKT, TWD, TWD, YUS, YUS, SSLB, SSLB, NACB, NACB, CHGB, CHGB, ELDTW, ELDTW, WHF, WHF, SMLT, SMLT, ALS, ALS, TYC, TYC, TWT, TWT, TDCB, TDCB, WJS, WJS, WWS, WWS, CHNS, CHNS, STYT, STYT, WNT, WNT, ENA, ENA, ENA, ENA, NANSB, NANSB, NNSB, NNSB, NNS, NNS.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TTN, TTN, TPUB, TPUB, TPUB, TPUB, WKG, WKG, WKG, WKG, WTP, WTP, WDLH, WDLH, WDLH, WDLH, TCU, TCU, CHNZ, CHNZ, CHNZ, CHNZ, SLGT, SLGT, SLGT, SLGT, SGST, SGST, SGST, SGST, CHNI, CHNI, CHNI, CHNI, CHNI, CHNI, TWK, TWK, TWK, TWK, CHY, CHY, CHY, CHY, WCHH, WCHH, WCHH, WCHH, TWQ1, TWQ1, TWQ1, TWQ1, ENTT, ENTT, ENTT, ENTT, EOS1, EOS1, EOS1, EOS1, YHNB, YHNB, YHNB, YHNB, ECL, ECL, ECL, ECL, NSK, NSK, NSK, NSK, RLNB, RLNB, RLNB, RLNB, TWE, TWE, TWE, TWE, NSTT, NSTT, NSTT, NSTT, SLBB, SLBB, SLBB, SLBB, LIOB, LIOB, LIOB, LIOB, SSD, SSD, SSD, SSD, NMLH, NMLH, NMLH, NMLH, ILA, ILA, ILA, ILA, NNLW, NNLW, NNLW, NNLW, WTCT, WTCT, WTCT, WTCT, WSF, WSF, WSF, WSF, WMLT, WMLT, WMLT, WMLT, CHN8, CHN8, CHN8, CHN8, MASB, MASB, MASB, MASB, TWMI, TWMI, TWMI, TWMI, SGLT, SGLT, SGLT, SGLT, NTC, NTC, NTC, NTC, WLTB, WLTB, WLTB, WLTB, EGS, EGS, EGS, EGS, SCLT, SCLT, SCLT, SCLT, SCLT, SCLT, SCLT, SCLT, HSN, HSN, HSN, HSN, EAST, EAST, EAST, EAST, TATO, TATO, TATO, TATO, TWA, TWA, TWA, TWA, TIPB, TIPB, TIPB, TIPB, NCU, NCU, NCU, NCU, NCU, NCU, TAP1, TAP1, TAP1, TAP1.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TAP1, TAP1, TAP1, TAP1, SCZT, SCZT, SCZT, SCZT, TWB1, TWB1, TWB1, TWB1, NWF, NWF, NWF, NWF, WFSB, WFSB, WFSB, WFSB, LAY, LAY, LAY, LAY, TWS1, TWS1, TWS1, TWS1, YJNG, YJNG, YJNG, YJNG, YM01, YM01, YM01, YM01, YM04, YM04, YM04, YM04, YM10, YM10, YM10, YM10, YM05, YM05, YM05, YM05, YM11, YM11, YM11, YM11, YM07, YM07, YM07, YM07, YM03, YM03, YM03, YM03, YM08, YM08, YM08, YM08, TWY, TWY, TWY, TWY, HEN, HEN, HEN, HEN, TWK1, TWK1, TWK1, TWK1, TWKBT, TWKBT, TWKBT, TWKBT, TSEB, TSEB, TSEB, TSEB, WDGJ, WDGJ, WDGJ, WDGJ, PHUB, PHUB, PHUB, PHUB, PHUB, PHUB, PHUB, PHUB, VCHM, VCHM, VCHM, VCHM, VCHM, VCHM, VCHM, VCHM, HATJ, HATJ, HATJ, HATJ, IRIF, IRIF, IRIF, IRIF, JKRS, JKRS, JKRS, JKRS, VVUC, VVUC, VVUC, VVUC, VVUC, VVUC, VVUC, VVUC, JIJ, JIJ, JIJ, JIJ, PTTC, PTTC, PTTC, PTTC, PTMZ, PTMZ, PTMZ, PTMZ, JISG, JISG, JISG, JISG, MATB, MATB, MATB, MATB, KNM, KNM, KNM, KNM, KNMB, KNMB, KNMB, KNMB, JTJ, JTJ, JTJ, JTJ, LYJJ, LYJJ, LYJJ, LYJJ, MHZQ, MHZQ, MHZQ, MHZQ, ZPLA, ZPLA, ZPLA, ZPLA, JIRB, JIRB, JIRB, JIRB, AXDP, AXDP, AXDP, AXDP, XPSS, XPSS, XPSS, XPSS, JIKM, JIKM, JIKM, JIKM, ZZJH, ZZJH, ZZJH, ZZJH.

SJA 06 18:58:17.1:0.8,31°72'S:70°29'W,h10km±12km,ML1.9, MW2.8,Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like RTLS, RTLS, RTLS, RTLS, AUSP, AUSP, AUSP, AUSP, ROCP, ROCP, ROCP, ROCP, RTVC, RTVC, RTVC, RTVC, ASAL, ASAL, ASAL, ASAL, ACCO, ACCO, ACCO, ACCO, AMOG, AMOG, AMOG, AMOG, AAGR, AAGR, AAGR, AAGR, AGUA, AGUA, AGUA, AGUA, VCA, VCA, VCA, VCA.

ISCJB 06 18:58:53.4:0.3,17°85'S:0°03'69°45'W:0.04,h131km±3km, mb4.7/68, Error ellipse: s-maj=7.0km s-min=4.1km az=158.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BJI, BJI, BJI, BJI, GUC, GUC, GUC, GUC, IDC, IDC, IDC, IDC, MS1, MS1, MS1, MS1, NEIC, NEIC, NEIC, NEIC, ISC, ISC, ISC, ISC.

Peru-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PB16, PB16, PB16, PB16, PB16, PB16, PB16, PB16.

PB12		eS	Sn	18 59 36.3	-2.7
PB12	IPOC Station P	1.13 233	P	18 59 18.2	-2.2
PB12		eS	Pn	18 59 35.6	-3.4
PB12		IAML		18 59 36.9	
comp=N,1.9um,0.3s					
MNMC	Minye Minye	1.20 190	ePn	18 59 20.8	-0.6
MNMC	Minye Minye	1.20 190	P	18 59 20.7	-0.7
MNMC		eS	Pn	18 59 40.2	-0.5
MNMC		IAML		18 59 43.7	
comp=N,1.6um,0.4s					
MNMCX	Minye Minye	1.20 190	eP	18 59 20.9	-0.5
GO01	Chusmia	1.73 174	ePn	18 59 40.2	-0.5
PSGC	Pisagua	1.80 203	P	18 59 27.3	-0.9
PSGC		eS	Pn	18 59 26.0	-1.8
PSGC		IAML		18 59 49.1	-2.9
comp=E,4um,0.4s					
PSGCX	Pisagua	1.80 203	eP	18 59 26.1	-1.7
PSGCX		eS	Pn	18 59 49.8	-2.3
PB11	IPOC Station P	1.83 188	ePn	18 59 27.4	-0.9
PB11	IPOC Station P	1.83 188	P	18 59 27.3	-0.9
PB11	IPOC Station P	1.83 188	P	18 59 27.4	-0.9
PB11		eS	Pn	18 59 51.8	-1.2
PB11		IAML		18 59 53.7	
comp=N,3um,0.2s					
LPAZ	La Paz	2.03 36	P	18 59 31.4	+0.3
LPAZ	comp=N,31.7nm,0.3s,baz=219,slow=5,SNR=3829		S	18 59 56.9	-0.9
comp=N,6.3nm,0.3s,baz=43,slow=19,SNR=3.9					
LPAZ	La Paz	2.03 36	ePn	18 59 31.8	+0.7
LPAZ		eS	Pn	18 59 56.9	-0.9
LPAZ	La Paz	2.03 36	eP	18 59 32.3	+1.2
LPAZ	La Paz	2.03 36	P	18 59 32.3	+1.2
PB08	IPOC Station P	2.20 175	ePn	18 59 33.1	+0.2
PB08	IPOC Station P	2.20 175	P	18 59 33.2	+0.2
PB08		eS	Pn	19 00 02.0	+0.8
PB08		IAML		19 00 07.5	
comp=E,2um,0.5s					
PB01	IPOC Station P	3.09 182	ePn	18 59 42.9	-1.1
PB01	IPOC Station P	3.09 182	P	18 59 43.1	-0.9
PB01	IPOC Station P	3.09 182	P	18 59 43.2	-1.1
PB02	IPOC Station P	3.40 188	eP	18 59 47.0	-1.0
PB07	IPOC Station P	3.80 187	ePn	18 59 52.2	-1.2
PB09	IPOC Station P	3.84 178	eP	18 59 53.3	-0.6
PB03	IPOC Station P	4.10 185	ePn	18 59 56.0	-1.4
PB03	IPOC Station P	4.10 185	P	18 59 55.6	-1.8
PB04	IPOC Station P	4.43 189	ePn	18 59 58.9	-2.0
PB04	IPOC Station P	4.43 189	P	18 59 59.9	-1.8
LVC	Limon Verde	4.67 175	P	19 00 05.2	+0.1
comp=E,68nm,0.3s,baz=39,slow=12,SNR=551					
LVC		eS	Pn	19 00 56.8	-1.9
comp=E,69nm,0.3s,baz=269,slow=22,SNR=10					
LVC	Limon Verde	4.67 175	ePn	19 00 04.8	-0.3
LVC		eS	Pn	19 00 56.8	-1.9
LVC	Limon Verde	4.67 175	eP	19 00 04.9	-0.2
PB06	IPOC Station P	4.75 182	ePn	19 00 04.4	-1.5
PB05	IPOC Station P	4.95 189	eP	19 00 06.4	-2.2
PB15	IPOC Station P	5.24 181	eP	19 00 11.2	-1.4
YJA	Yavi	5.56 140	eP	19 00 18.5	+1.5
YJA		IAML		19 01 37.2	
comp=Z,21nm,0.9s					
PB10	IPOC Station P	5.66 191	ePn	19 00 14.7	-3.3
PB10	IPOC Station P	5.66 191	eP	19 00 14.7	-3.3
HJA	Humahua	6.42 145	eP	19 00 30.0	+1.4
HJA		IAML		19 00 33.7	
comp=Z,65nm,0.4s					
PB14	IPOC Station P	7.12 188	ePn	19 00 28.8	-3.8
GO02	Mina Guanaco	7.19 182	ePn	19 00 36.0	-2.9
AZAP	Zapla	7.43 148	eP	19 00 41.4	-0.7
AZAP		eS	Pn	19 02 01.6	-3.5
AZAP		IAML		19 02 11.4	
comp=Z,36nm,0.6s					
AL	San Lorenzo	7.65 153	eP	19 00 44.9	0.0
SLA	LOMAS DE OLMED 7.71	140	eP	19 00 44.9	-0.9
SIV	San Ignacio	8.17 78	P	19 00 50.1	-1.9
comp=Z,70nm,0.3s,baz=271,slow=11,SNR=286					
SIV		eS	Pn	19 02 18.4	-4.4
comp=Z,3.5nm,0.3s,baz=10,slow=22,SNR=5.6					
FSA	Cafayete	8.72 159	eP	19 00 58.5	-0.9
FSA		IAML		19 01 01.7	
comp=Z,11nm,0.7s					
NNA		9.33 308	P	19 01 03.8	-3.8
NNA	comp=Z,11nm,0.3s,baz=122,slow=11,SNR=10		S	19 02 43.9	-7.0
NNA	comp=Z,2.7nm,0.3s,baz=196,slow=19,SNR=3.1		LR	19 05 09.5	
NNA	comp=Z,113nm,19.2s,baz=136,slow=40		LR	19 05 09.5	
NNA	Nana	9.33 308	ePn	19 01 03.0	-4.6
NNA		eS	Pn	19 02 43.9	-7.0
NNA		IAML		19 05 09.5	
AHML	Horco Molle	9.56 158	eP	19 01 08.5	-2.1
GO03	Copiap	9.91 166	ePn	19 01 06.6	-5.0
VCA	Vinchina	10.80 175	eP	19 01 25.2	-2.0
VCA	Choya	10.96 163	eP	19 01 25.0	-4.2
LCO	Las Campanas	11.09 186	ePn	19 01 25.4	-5.8
GO04	Tololo Observa	12.25 186	ePn	19 01 41.0	-5.4
ACCO	Cerro Coronel	12.60 198	eP	19 01 48.7	-2.2
CPUP	Villa Florida	13.93 129	P	19 02 06.0	-1.9
comp=Z,0.2nm,0.3s,baz=300,slow=13,SNR=5.6					
CPUP	Villa Florida	13.93 129	ePn	19 02 05.6	-2.2
ROC1	El Roble	15.05 185	ePn	19 02 16.2	-5.9
comp=Z,53nm,0.9s					
PTGA	Pitinga	19.44 29	P	19 03 11.2	-1.3
PTGA	comp=Z,10nm,0.3s,baz=37,slow=22,SNR=19		LR	19 10 57.3	
PTGA	comp=Z,53nm,21.8s,baz=190,slow=37		LR	19 10 57.3	
PTGA	Pitinga	19.44 29	eP	19 03 10.9	-1.6
BDFB	Brasilia	20.57 87	P	19 03 24.1	-0.7
BDFB	comp=Z,57nm,0.5s,baz=264,slow=10,SNR=44		P	19 03 23.4	-1.4
BDFB	Brasilia	20.57 87	eP	19 03 23.4	-1.4
comp=Z,63nm,0.6s					
TRQA	Tornquist	21.06 164	eP	19 03 29.4	-0.3
comp=Z,40nm,0.8s					
SOTA	Rioblanco	21.18 340	eP	19 03 30.0	-1.8
SPB	Sao Paulo	21.26 109	eP	19 03 30.1	-2.0
comp=Z,115nm,1.7s					
GO06	Curarrehue	21.64 184	eP	19 03 36.4	+0.3
comp=Z,24nm,0.6s					
PLCA	Paso Flores	22.74 182	P	19 03 47.5	+0.4
PLCA	comp=Z,17nm,0.9s,baz=28,slow=10,SNR=26		P	19 03 47.5	+0.4
comp=Z,27nm,0.9s					
ROSC	El Rosal	23.16 347	eP	19 03 49.2	-2.3
RUSC	La Rusia	23.93 351	eP	19 03 55.9	-3.1
BARC	Barichara	24.66 351	eP	19 04 03.2	-1.9
PTBC	PUERTO BERRIO, 24.84	348	eP	19 04 04.5	-1.9
SDV	Santo Domingo	26.68 357	P	19 04 21.2	-2.1
comp=Z,2.6nm,0.3s,baz=172,slow=5.7,SNR=7.7					
SDV		LR	LR	19 17 15.7	
SDV	Santo Domingo	26.68 357	eP	19 04 21.2	-2.1
comp=Z,16nm,1.3s					
SDV		eP	Pn	19 17 15.7	
SMLC	San Marti'n de	26.97 350	eP	19 04 21.1	-4.5
MDP	Montagnes des	28.23 37	P	19 04 35.6	-1.3
MDP	comp=Z,11nm,0.5s,baz=0.0,slow=1.0		LR	19 17 41.8	
MDP		LR	LR	19 17 41.8	
comp=Z,46nm,19.4s,baz=264,slow=40					
PCRV	Puerto La Cruz	28.32 10	LR	19 17 35.9	
comp=Z,259nm,18.7s,baz=250,slow=40					
CHRN	Cochrane	29.35 184	eP	19 04 47.5	+1.1
USHA	Ushuaia	36.83 179	P	19 05 52.6	+1.4
USHA	comp=Z,8.9nm,0.8s		P	19 05 52.6	+1.4
APG	El Apazote	38.78 326	P	19 06 09.2	+0.9
APG	comp=Z,5.9nm,0.7s,baz=109,slow=4.4,SNR=6.2		P	19 06 09.2	+0.9
TEIG	Tejich	42.22 333	eP	19 06 35.2	-1.1
TEIG	comp=Z,14nm,0.8s		P	19 06 35.2	-1.1
CMIG	Mattias Romero	42.92 323	P	19 06 43.7	+1.7
CMIG	comp=Z,4.5nm,0.6s,baz=85,slow=7.3,SNR=7.8		P	19 06 43.7	+1.7
254A	Abbeville	51.37 345	P	19 07 45.5	-1.7
251A	Midway	52.07 343	P	19 07 50.1	-2.3
150A	Eclectic	52.73 342	P	19 07 55.5	-1.8
252A	Williamson	52.84 344	P	19 07 56.2	-1.9
Y54A	Tignall	53.05 346	P	19 07 57.5	-2.2
344A	Westbrook Farm	53.22 337	P	19 07 59.3	-1.6

Z50A	Ashland	53.30 343	eP	19 07 58.9	-2.7
Z50A	comp=Z,8.8nm,1.0s		P	19 07 59.1	-2.5
Z50A	Ashland	53.30 343	P	19 07 59.1	-2.5
LRAL	Lakeview Retre	53.41 342	P	19 07 59.8	-2.5
Z49A	Columbiana	53.42 342	P	19 08 00.6	-1.9
Z49A	baz=160		P	19 08 00.6	-1.9
Z45A	Little AP, Sta	53.44 338	P	19 08 00.5	-2.1
Y51A	Rockmart	53.68 344	P	19 08 01.6	-2.7
Y51A	baz=161		P	19 08 01.6	-2.7
X53A	Estanollée	53.81 346	P	19 08 03.2	-2.0
Z48A	Northport	53.90 341	P	19 08 04.3	-1.6
Z48A	baz=158		P	19 08 04.3	-1.6
Y49A	Blount Mountain	54.01 342	P	19 08 05.4	-1.3
Y49A	baz=159		P	19 08 05.4	-1.3
W53A	Cullowhee	54.42 346	P	19 08 08.3	-1.5
W53A	baz=164		P	19 08 08.3	-1.5
Y47A	UCARPAC, Winfie	54.48 341	P	19 08 07.9	-2.2
Y47A	baz=158		P	19 08 07.9	-2.2
X48A	Hartselle	54.75 342	P	19 08 09.5	-2.5
X48A	baz=159		P	19 08 09.5	-2.5
W51A	Cleveland	54.79 345	P	19 08 10.3	-2.1
W51A	baz=162		P	19 08 10.3	-2.1
V53A	Saluda	54.82 347	P	19 08 10.7	-1.9
V53A	baz=160		P	19 08 10.7	-1.9
W50A	Signal Mountai	54.97 344	P	19 08 12.4	-1.2
W50A	baz=161		P	19 08 12.4	-1.2
NATX	Nacogdoches	55.05 334	P	19 08 14.1	-0.1
NATX	baz=160		P	19 08 14.1	-0.1
X47A	Russellville	55.05 341	P	19 08 13.5	-0.7
X47A	baz=158		P	19 08 13.5	-0.7
SWET	Sevanee	55.15 343	eP	19 08 13.2	-1.7
SWET	comp=Z,4nm,1.2s		P	19 08 13.2	-1.7
V52A	Sevierville	55.16 346	P	19 08 14.1	-0.9
V52A	baz=163		P	19 08 14.1	-0.9
X46A	Booneville	55.31 341	P	19 08 14.4	-1.6
X46A	baz=158		P	19 08 14.4	-1.6
W48A	Pulaski	55.36 343	P	19 08 15.1	-1.3
W48A	baz=160		P	19 08 15.1	-1.3
V50A	Pikeville	55.36 344	P	19 08 14.9	-1.5
V50A	baz=162		P	19 08 14.9	-1.5
UX3A	Fall Branch	55.43 347	P	19 08 15.1	-1.8
UX3A	baz=165		P	19 08 15.1	-1.8
OXF	Oxford	55.54 340	P	19 08 15.7	-2.0
OXF	baz=157		P	19 08 15.7	-2.0
W47A	Westpoint	55.66 342	P	19 08 17.2	-1.3
W47A	baz=160		P	19 08 17.2	-1.3
V49A	McMinnville	55.66 344	P	19 08 16.1	-2.5
V49A	baz=161		P	19 08 16.1	-2.5
V48A	Smith Brothers	55.89 343	eP	19 08 18.3	-1.9
V48A	comp=Z,11nm,0.6s		P	19 08 18.3	-1.9
V48A	Smith Brothers	55.89 343	P	19 08 19.2	-1.0
V48A	baz=160		P	19 08 19.2	-1.0
U50A	Jamestown	56.01 345	P	19 08 19.5	-1.5
U50A	baz=162		P	19 08 19.5	-1.5
R58B	Mineral	56.18 352	P	19 08 21.1	-1.1
R58B	baz=170		P	19 08 21.1	-1.1
X42A	Stuttgart	56.33 338	P	19 08 22.2	-1.1
X42A	baz=154		P	19 08 22.2	-1.1
WHT	Lake Whitney,	56.48 331	P	19 08 24.4	0.0
WHT	baz=148		P	19 08 24.4	0.0
WVT	Waverly	56.54 342	eP	19 08 22.8	-2.0
WVT	comp=Z,8.7nm,0.6s		P	19 08 22.8	-2.0
WVT	Waverly	56.54 342	P	19 08 22.4	-2.4
WVT	baz=169		P	19 08 22.4	-2.4
U47A	Clarksville	56.68 343	P	19 08 24.5	-1.2
U47A	baz=159		P	19 08 24.5	-1.2
UALR	University of	56.79			

PLONS	comp=N,1195µm,0.4s	AML	AML				
PLONS	comp=E,344µm,0.9s	AML	AML				
PLONS	comp=N,1195µm,0.4s	AML	AML				
SGT04	Schlatt-Haslen	1.20 278	Pn	Pb	19 22 23.0 +0.4		
MABI	Malga Bissina	1.20 199	P	Pb	19 22 22.0 -0.7		
MABI			S	Sg	19 22 38.0 -0.7		
MABI	comp=E,160µm,0.7s	AML	AML				
MABI	comp=N,211µm,0.2s	AML	AML				
MABI	comp=E,161µm,0.7s	AML	AML				
MABI	comp=N,212µm,0.2s	AML	AML				
MABI	comp=E,161µm,0.7s	AML	AML				
MABI	comp=N,212µm,0.2s	AML	AML				
GTCI	Castel Tesino	1.21 161	eP	Pb	19 22 22.0 -0.7		
CTI			AML	AML			
CTI	comp=E,622µm,0.4s	AML	AML				
CTI	comp=N,540µm,0.4s	AML	AML				
CTI	comp=E,622µm,0.4s	AML	AML				
CTI	comp=N,540µm,0.4s	AML	AML				
CTI	comp=N,540µm,0.4s	AML	AML				
CTI	comp=N,540µm,0.4s	AML	AML				
RJOB	Jochberg	1.28 64	eP	Pg	19 22 25.7 +1.2		
RJOB			eSg	Sn	19 22 45.3 +4.4		
FVI	Forni Avoltri	1.31 116	P	Pn	19 22 23.9 -0.2		
FVI	comp=N,459µm,0.4s	AML	AML				
FVI	comp=N,334µm,0.7s	AML	AML				
FVI	comp=E,459µm,0.4s	AML	AML				
FVI	comp=N,334µm,0.7s	AML	AML				
FVI	comp=N,334µm,0.7s	AML	AML				
FVI	comp=N,334µm,0.7s	AML	AML				
TUE	Stuetta	1.39 239	P	Pn	19 22 25.0 -0.3		
TUE	comp=E,110µm,1.5s	AML	AML				
TUE	comp=N,90µm,0.6s	AML	AML				
TUE	comp=E,146µm,1.1s	AML	AML				
TUE	comp=N,110µm,0.3s	AML	AML				
TUE	comp=E,110µm,1.5s	AML	AML				
TUE	comp=N,90µm,0.6s	AML	AML				
TUE	comp=E,146µm,1.1s	AML	AML				
TUE	comp=N,110µm,0.3s	AML	AML				
TUE	comp=E,110µm,1.5s	AML	AML				
TUE	comp=N,110µm,0.3s	AML	AML				
TUE	comp=E,146µm,1.1s	AML	AML				
TUE	comp=N,90µm,0.6s	AML	AML				
PANIX	Pigniu (Panix)	1.40 256	Pn	Pn	19 22 25.6 +0.2		
MAGA	Magasa	1.45 193	P	Pb	19 22 27.3 +0.4		
MAGA	comp=E,544µm,0.6s	AML	AML				
MAGA	comp=N,542µm,0.6s	AML	AML				
MAGA	comp=E,544µm,0.6s	AML	AML				
MAGA	comp=N,542µm,0.6s	AML	AML				
MAGA	comp=N,542µm,0.6s	AML	AML				
MAGA	comp=N,542µm,0.6s	AML	AML				
MAGA	comp=E,544µm,0.6s	AML	AML				
STAL	STALIGIAL	1.46 129	P	Pn	19 22 26.7 +0.6		
STAL	comp=E,484µm,0.3s	AML	AML				
STAL	comp=N,625µm,1.4s	AML	AML				
STAL	comp=E,567µm,1.3s	AML	AML				
STAL	comp=N,589µm,0.3s	AML	AML				
STAL	comp=E,483µm,0.3s	AML	AML				
STAL	comp=N,625µm,1.4s	AML	AML				
STAL	comp=E,567µm,1.3s	AML	AML				
STAL	comp=N,589µm,0.3s	AML	AML				
STAL	comp=E,483µm,0.3s	AML	AML				
STAL	comp=N,625µm,1.4s	AML	AML				
STAL	comp=E,567µm,1.3s	AML	AML				
STAL	comp=N,589µm,0.3s	AML	AML				
WILA	Wila	1.50 279	P	Pg	19 22 28.6 0.0		
WILA			PmP	S	19 22 29.4		
WILA			S	Sg	19 22 49.2 +1.1		
WILA			S	Sg	19 22 51.0		
HDH	Heidenheim-Cha	1.51 337	P	Pn	19 22 27.1 +0.3		
HDH			Pg	Pb	19 22 29.1 +0.2		
HDH			S	Sg	19 22 47.2 +0.1		
HDH			S	Sg	19 22 49.6 +1.0		
SISB	Singen-Schiene	1.52 290	P	Pb	19 22 29.3 +0.2		
SISB			S	Sg	19 22 48.4 +1.1		
SISB			S	Sg	19 22 50.4 +1.6		
ROVR	Rovera Verone	1.55 180	P	Pn	19 22 28.5 +1.1		
KBA	Koelnbreinsper	1.55 93	eP	Pn	19 22 28.1 +0.6		
KBA	Koelnbreinsper	1.55 93	eP	Pn	19 22 28.1 +0.6		
KBA	comp=N,23nm,0.2s,SNR=26		Sg	Sn	19 22 47.7 0.0		
GUT	Gutenstein	1.59 304	P	Pn	19 22 28.9 +0.9		
GUT			Pg	Pg	19 22 30.3 -0.2		
GUT			S	Sn	19 22 49.5 +0.9		
GUT			P	Pb	19 22 51.9 +0.7		
GEFF	Gemona	1.69 122	P	Pb	19 22 31.4 +0.5		
GEFF	comp=E,179µm,0.3s	AML	AML				
GEFF	comp=N,277µm,0.6s	AML	AML				
GEFF	comp=E,179µm,0.3s	AML	AML				
GEFF	comp=N,277µm,0.6s	AML	AML				
GEFF	comp=E,179µm,0.3s	AML	AML				
GEFF	comp=N,277µm,0.6s	AML	AML				
BUCH	Bad Urach	1.71 318	P	Pn	19 22 30.5 +0.8		
BUCH			Pg	Pg	19 22 32.3 -0.5		
BUCH			S	Sg	19 22 55.6 +0.5		
PTCC	Patocco-Chiusa	1.75 116	AML	AML			
PTCC	comp=N,264µm,1.4s	AML	AML				
PTCC	comp=E,217µm,0.5s	AML	AML				
PTCC	comp=N,264µm,1.4s	AML	AML				
PTCC	comp=E,217µm,0.5s	AML	AML				
PTCC	comp=N,264µm,1.4s	AML	AML				
PTCC	comp=E,217µm,0.5s	AML	AML				
VINO	Villanova	1.78 121	P	Pb	19 22 32.8 +0.4		
ACOM	Acomizza, Ital	1.79 110	P	Pb	19 22 32.9 +0.2		
ACOM	comp=E,294µm,1.1s	AML	AML				

ACOM	comp=N,408µm,1.4s	AML	AML				
ACOM	comp=E,294µm,1.1s	AML	AML				
ACOM	comp=N,409µm,1.4s	AML	AML				
ACOM	comp=E,294µm,1.1s	AML	AML				
ACOM	comp=N,409µm,1.4s	AML	AML				
FUSIO	Fusio	1.82 247	P	Pb	19 22 33.0 -0.2		
FUSIO	comp=E,238µm,0.6s	AML	AML				
FUSIO	comp=N,156µm,1.5s	AML	AML				
FUSIO	comp=E,238µm,0.6s	AML	AML				
FUSIO	comp=N,156µm,1.5s	AML	AML				
FUSIO	comp=E,238µm,0.6s	AML	AML				
FUSIO	comp=N,156µm,1.5s	AML	AML				
FUSIO	comp=N,156µm,1.5s	AML	AML				
GRC1	Grafenberg Arr	1.83 9	P	Pn	19 22 31.1 -0.1		
GRC1			Sg	Sg	19 22 58.4 -0.3		
GRC1			Pg	Pb	19 22 33.5 0.0		
MYKA	Terra Mystica	1.84 107	P	Pb	19 22 57.6 +1.0		
MYKA	comp=N,12nm,0.2s,SNR=20		Sg	Sb	19 22 34.5 +0.8		
BNALP	Bannalp	1.85 261	P	Pb	19 22 35.4 +0.8		
BNALP	comp=E,194µm,0.3s	AML	AML				
BNALP	comp=N,430µm,1.2s	AML	AML				
BNALP	comp=N,430µm,1.2s	AML	AML				
BNALP	comp=E,194µm,0.3s	AML	AML				
SLE	Schleitheim	1.85 289	P	Pn	19 22 32.7 +1.2		
SLE			S	Sn	19 22 55.1 +0.3		
SLE			S	Sg	19 22 59.4 +0.1		
TUEBL	Tuebingen-Lenn	1.89 315	S	S	19 22 56.4 +0.5		
TUEBL			S	Sg	19 23 02.3 -0.5		
STU	Stuttgart	2.03 322	Pg	Pg	19 22 38.8 +0.1		
STU			eSg	Sg	19 23 04.2 -0.8		
SULZ	Cheisacher	2.05 281	P	Pg	19 22 35.4 +1.2		
SULZ			Pg	Sg	19 22 39.1 0.0		
SULZ			Sg	Sg	19 23 03.9 0.0		
CADS	Cadrg	2.06 117	Pn	Pb	19 22 37.5 +0.2		
CADS			/Sn	Pb	19 23 06.6 +0.4		
CADS	Cadrg	2.06 117	Pn	Pb	19 22 37.5 +0.2		
CADS			/Sn	Pb	19 23 06.6 +0.4		
BERGE	Lenzkirch (DE)	2.08 290	P	Pn	19 23 05.7 +1.0		
BERGE			S	Sg	19 23 03.9 +0.5		
BERGE			S	Sg	19 23 00.3 -0.3		
BERGE			S	Sg	19 23 06.1 -0.7		
GRB2	Grafenberg Arr	2.12 10	P	Pn	19 22 35.0 -0.1		
GRB2			S	Sn	19 23 01.3 -0.2		
GRB2			S	Sg	19 23 07.1 -0.9		
LBG	Lerchenberg	2.13 315	P	Pg	19 22 36.3 +0.9		
LBG			S	Sn	19 22 40.8 +0.1		
LBG			S	Sn	19 23 01.6 -0.1		
BFO	Black Forest	2.18 303	P	Pn	19 22 37.0 +1.0		
BFO			Sg	Sg	19 23 09.9 0.0		
GORS	Gorjuse	2.19 113	Pn	Pb	19 22 39.2 -0.2		
GORS			/Sn	Pb	19 23 09.7 -0.4		
GORS	Gorjuse	2.19 113	Pn	Pb	19 22 39.2 -0.2		
GORS			/Sn	Pb	19 23 09.7 -0.4		
FELD	Feldberg im Sc	2.20 289	P	Pn	19 22 37.4 +1.0		
FELD			Pg	Pg	19 22 40.0 +0.1		
FELD			S	Sn	19 23 03.0 -0.6		
FELD			S	Sg	19 23 10.4 0.0		
MOA	Molln	2.25 72	ePn	Pn	19 22 38.3 +1.2		
MOA			eP	Pb	19 22 41.2 +0.6		
MOA			Pn	Pn	19 22 38.2 +1.2		
MOA	comp=E,0.6nm,0.1s,SNR=19		Sg	Sg	19 23 12.0 -0.4		
KIZ	Kirchzarten	2.27 291	P	Pn	19 22 38.8 +1.5		
KIZ			Pg	Pg	19 22 43.6 +0.2		
KIZ			Sg	Sg	19 22 42.4 -0.2		
KIZ	Kirchzarten	2.27 291	Pn	Pn	19 22 38.8 +1.5		
WET	Wetzell	2.29 31	ePn	Pn	19 22 38.0 +0.4		
BALST	Balsthal	2.31 275	P	Pn	19 22 39.2 +1.3		
BALST			Sg	Sg	19 23 13.5 -0.6		
ENDD	Endenburg	2.33 284	P	Pn	19 22 39.7 +1.2		
ENDD			Pg	Sn	19 23 04.0 -0.1		
ENDD			S	Sn	19 23 05.9 -0.8		
ENDD			Sg	Sg	19 23 13.9 -0.8		
OPP	Oppenau	2.35 305	P	Pn	19 22 39.2 +0.9		
OPP			Pg	Pg	19 22 46.5 +1.7		
OPP			Sg	Sg	19 23 15.3 0.0		
OPP	Oppenau	2.35 305	Pn	Pn	19 22 39.3 +0.9		
OPP			Pg	Pg	19 23 14.9 -0.4		
SIND	Sindeldorf	2.37 336	P	Pn	19 22 38.7 0.0		
SIND			Pg	Pg	19 22 45.4 +0.1		
SIND			Sg	Sg	19 23 16.6 +0.5		
TRI	Trieste	2.37 128	P	Pn	19 22 40.9 +2.2		
TRI			AML	AML			
TRI	comp=E,124µm,0.4s	AML	AML				
TRI	comp=N,84µm,1.4s	AML	AML				
TRI	comp=N,84µm,1.4s	AML	AML				
TRI	comp=N,84µm,1.4s	AML	AML				
GERE3	GERESS Array S	2.41 46	ePn	Pn	19 22 40.0 +0.7		
GERE3			eP	Pg	19 22 44.6 -1.6		
BRET	Bretten	2.43 320	P	Pn	19 22 40.4 +1.0		
BRET			Pg	Pg	19 22 46.2 -0.2		
OBKA	Obir	2.48 105	ePn	Pn	19 22 43.8 -0.6		
OBKA	comp=E,9.4nm,0.4s,SNR=7.5		Pb	Pb	19 22 43.6 -0.7		
OBKA	comp=E,10nm,0.2s		Sg	Sg	19 23 17.4 -2.0		
GRF	Grafenberg Arr	2.50 2	P	Pn	19 22 39.8 -0.6		
GRF			eP	Pg	19 22 47.7 +0.1		

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Saint Agoulin, Bois d'Angland, BGF, BGF, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DHMR 06 19:22:14.5, TRBA At Turbah, LBOS, BDHA, etc.

ISCJB 06 19:24:42.0, 6.25, 93N, 0.08, 125.54E, 0.07, h110km, 6km, mb3.2/3, Error ellipse: s-maj=15.8km

JMA 06 19:24:43.1, 0.25, 99N, 125.47E, h99km, M2.9, IDC 06 19:24:44.9, 3.2, 69, 06N, 125.75E, h131km, 91km, mb2.8/3, mb1 3.0/4, mb1mx2.8/42, mbtmp3.2/4, ML2.2/1, Error ellipse: s-maj=99.3km s-min=23.5km az=57.0

ISC 06 19:24:42.8, 1.1, 26.0N, 0.1, 125.50E, 0.08, h107km, 11km, n22, 094/37, mb3.2/3, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IKEM, MIYAKO, IRABUJIMA, GUSUKUBE, etc.

MEX 06 19:45:25.2, 0.7, 24.92N, 110.64W, h17km, 999km, MD3.7, Baja California

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

ISCJB 06 19:56:46.2, 1.7, 15.15N, 0.05, 141.76E, 0.10, h10km, Error ellipse: s-maj=14.1km s-min=6.0km az=158.9

DHMR 06 19:56:46.8, 1.4, 15.04N, 141.97E, h6km, 13km, ML4.1, SGS 06 19:56:51.7, 15.03N, 142.00E, h15km, IDC 06 19:56:48.5, 2.2, 15.13N, 0.07, 141.9E, 0.10, h10km, n12, 0138/19, Red Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FRSS Farasan al Kab, HAJJ Hajjah, JAZS Jan, SANA San, etc.

MAN 06 20:02:59.5, 9.34N, 122.14E, h31km, mb4.5, ML3.4, MS3.2, 2C-10, Negros

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GUIM Jordan, JAP San Jose, Anti, IPIL Ipil, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SJMP San Jose, MEX 06 20:05:48.7, 0.6, 15.55N, 98.41W, h24km, 33km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PNIG Pinotepa, BEO 06 20:23:16.3, 1.1, 35.93N, 21.71E, h10km, ML3.8/2, ATH 06 20:23:18.3, 36.11N, 21.97E, h21km, 1km, ML3.6/6, Error ellipse: s-maj=3.0km s-min=0.9km az=41.0

THE 06 20:23:19.9, 3.6, 15N, 22.06E, h0km, 1km, ML3.5/10, Error ellipse: s-maj=2.3km s-min=0.8km az=223.0, IDC 06 20:23:20.6, 2.8, 36.16N, 21.94E, h43km, 27km, mb3.4/9, mb1 3.0/2, mb1mx3.4/35, mbtmp3.6/13, ML3.4/3, MS3.0/2, s-min=17.4km az=26.0

ISC 06 20:23:18.3, 1.4, 36.08N, 0.04, 21.90E, 0.10, h26km, 10km, n125, 0176/146, mb3.7/3, 10C-2D, Southern Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MES2 Methoni, DYB Agios Nikonas, DRR, DRR, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBSL Laziz#263i, BBSL Laziz#263i, DIVS Divibare, DIVS Divibare, etc.

Table with columns: ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Didzialisalis, Salakas, Igalina, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Vyhne, North Rim, VRAC, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like IPOC Station P, Minye Minye, etc.

Table with columns: CODE, STATION NAME, DELTA, AZ, PHASE ID, TIME, RES, H, M, S, I, SC. Includes stations like FINES, GEAS, HIA, ARCES, etc.

MAN 06 23:37:27.1, 9.57N, 126.27E, h1km, mb4.4, ML3.2, MS3.0, 1C-2D, Mindanao

Table with columns: CODE, STATION NAME, DELTA, AZ, PHASE ID, TIME, RES, H, M, S, I, SC. Includes stations like SCPH, BUTP, BIFH, etc.

IDC 06 23:42:55.3-8.8, 15.11S, 171.32W, h0km, mb4.2/4, mb1.4/3/4, mb1mx3.8/3.2, mbtmp4.2/4, MS3.5/1, Ms1.3/5.1, ms1mx2.7/3.0, Error ellipse: s-maj=201.7km

Table with columns: CODE, STATION NAME, DELTA, AZ, PHASE ID, TIME, RES, H, M, S, I, SC. Includes stations like DZM, STKA, WRA, etc.

IDC 07 00:00:07.1-0.2, 7.7S, 129.65E, h0km, mb4.0/4, mb1.4/2.7, mb1mx3.9/3.2, mbtmp4.1/7, ML3.8/3, MS3.3/8, Ms1.3/3.8, ms1mx3.0/3.2, Error ellipse: s-maj=31.4km

Table with columns: CODE, STATION NAME, DELTA, AZ, PHASE ID, TIME, RES, H, M, S, I, SC. Includes stations like DZM, STKA, WRA, etc.

IDC 07 00:00:09.7-0.4, 2.86S, 0.04, 129.58E, h0.05, h28km, mb4.1/6, MS3.2/6, Error ellipse: s-maj=7.4km s-min=5.5km az=25.3

Table with columns: CODE, STATION NAME, DELTA, AZ, PHASE ID, TIME, RES, H, M, S, I, SC. Includes stations like BNDI, NLAI, etc.

IDC 07 00:00:11.5-0.7, 2.84S, 0.06, 129.54E, h0.06, h28km, n25, s165/23, mb4.0/6, MS3.2/6, Seram

Table with columns: CODE, STATION NAME, DELTA, AZ, PHASE ID, TIME, RES, H, M, S, I, SC. Includes stations like BNDI, NLAI, etc.

2012 DEC

Table with columns: JOW, KUNIGAMI, PSI, KOSO, etc. Includes station names and coordinates.

GUC 07 00:23:17.6-0.4, 23.96S, 67.14W, h160km, ML3.6, 2C-1D, Chile-Argentina border region

Table with columns: CODE, STATION NAME, DELTA, AZ, PHASE ID, TIME, RES, H, M, S, I, SC. Includes stations like SLA, LVC, etc.

MDD 07 00:35:02.6-1.6, 36.61N, 111.01W, h0km, mbLg2.9/14, Error ellipse: s-maj=13.4km s-min=11.4km az=59.0, PRXIMO

INMG 07 00:35:02.7-1.2, 36.51N, 111.13W, h10km, ML2.3, Error ellipse: s-maj=6.3km s-min=4.0km az=80.0

IGIL 07 00:35:02.7-1.2, 36.51N, 111.12W, h10km, ML2.3, CNRM 07 00:35:06.5, 36.07N, 107.74W, h30km, ML3.2

ISC 07 00:35:00.9-3.5, 36.6N, 0.1x11.1W, h10km, n58, s150/93, Azores-Cape St. Vincent Ridge

Table with columns: CODE, STATION NAME, DELTA, AZ, PHASE ID, TIME, RES, H, M, S, I, SC. Includes stations like PFVI, MORF, etc.

ISC 07 00:46:02.0-0.4, 15.96S, 0.05, 167.93E, h0.08, h177km, mb4.2/21, Error ellipse: s-maj=10.9km s-min=7.3km az=8.4

IDC 07 00:46:07.5-2.0, 15.95S, 168.01E, h167km, 16km, mb4.0/16, mb1.4/1.1/7, mb1mx4.0/2.6, mbtmp4.5/1.7, Error ellipse: s-maj=18.6km s-min=12.3km az=79.0

NEIC 07 00:46:10.0-1.0, 16.04S, 167.99E, h191km, 9km, mb4.1/7, Error ellipse: s-maj=8.8km s-min=8.3km az=146.0

ISC 07 00:46:08.2-0.5, 15.92S, 0.07, 167.98E, h0.09, h177km, n45, s191/748, mb4.3/19, Vanuatu Islands

Table with columns: CODE, STATION NAME, DELTA, AZ, PHASE ID, TIME, RES, H, M, S, I, SC. Includes stations like DZM, DZM, HNR, etc.

7d 0h

Table with columns: ESPR, PCBR, etc. Includes station names and coordinates.

ISC 07 00:46:08.2-0.5, 15.92S, 0.07, 167.98E, h0.09, h177km, n45, s191/748, mb4.3/19, Vanuatu Islands

Table with columns: CODE, STATION NAME, DELTA, AZ, PHASE ID, TIME, RES, H, M, S, I, SC. Includes stations like DZM, DZM, HNR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUMR Bucovina Array, BURAR Bucovina Array, ARCR ARCALIA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like QSPA South Pole Qui, QSPA South Pole Qui, USHA Ushuaia, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GYA GYA, MKAR Makanchi Array, CD2 Chengdu, etc.

ISC/JB 07 01:35:06.0, 3.0, 54.105:0'05:1.8W, 0.1, h10km, mb4.7/34, MS4.7/28, Error ellipse: s-maj=9.3km s-min=6.6km az=9.5

NEIC 07 01:35:07.9, 0.2, 54.115:1.87W, h10km, mb4.9/17, Error ellipse: s-maj=2.7km s-min=6.3km az=131.0

ISC/JB 07 01:35:06.0, 6.0, 54.075:1.88W, h0km, ML5.4/22, mb1.4.6/23, mb1mx4.5/31, mbtmp4.5/23, ML5.0/1, MS4.6/26, Ms1.4.6/26, ms1mx4.6/29, Error ellipse: s-maj=13.6km s-min=11.2km az=102.0

ISC/JB 07 01:35:08.9, 5.4, 105:0'05:1.90W, h10km, MS5.2/3, Ms7.4/9/4, GCMT 07 01:35:09.0, 0.1, 54.225:0.01:1.36W, 0.01, h12km, MW5.2/124, Moment tensor Solution: 575, c1:18, s124, c2:13; Duration: 1.0; Moment tensor: Scale 10^16 Nm; Mw=0.68; 13; Mw2=0.78; 14; Mw=2.11; 13; Mw=1.26; 32; Mw=8.21; 10; Mw=1.90; 32; Best double couple: Mb.88400x10^16 NP2:83.00000, 879.00000, lambda=12.00000, NP2:83.00000, 879.00000, lambda=169.00000, Principal axes: T: 8.9030, P1: 0.0000, Azm37.0000; N: -0.4440, Plg74.0000, Azm130.0000; P: -8.8640, Plg16.0000, Azm307.0000; nstia refers to body waves, cutoff=40s. nstia2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 07 01:42:22.8, 0.8, 20:70S:66:72W, h223km, 8km, mb3.5/8, mb1.3.7/14, mb1mx3.5/31, mbtmp4.1/14, Error ellipse: s-maj=13.0km s-min=10.1km az=94.0

ISC/JB 07 01:42:23.0, 3.0, 20:74S:03:66:85W, 0.0, h233km, 3km, mb3.7/7, Error ellipse: s-maj=5.5km s-min=3.8km az=146.1

GUC 07 01:42:24.7, 0.4, 20:70S:67:52W, h272km, 5km, ML4.5 SCB 07 01:42:27.0, 2.0, 20:63S:66:92W, h0km, 2km, ML3.6/6, Error ellipse: s-maj=4.3km s-min=3.5km az=0

ISC 07 01:42:23.0, 0.7, 20:89S:03:04:66S, 0.0, h221km, 7km, n46, -195S/68, mb3.9/7, 6C, South Bolivia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BS01 CO, Balçın, BS02 IPOC Station P, BS03 Patallaja, etc.

Table with columns: EDW2, G08A, NV01, NVAR, WVOR, WVOR, CWC, NV11, KVN, KVN, J08A, BFSC, LRMC, DAC, DAC, MPMC, GRAC, GSC, GSC, FURC, BMO, BMO, MONP2, F0F0, HEC, IKP, SHOC, TPNV, TPNV, BELC, ABKAR, SWSC, TUQ, GMRC, BC3, R11A, R11A, IRM, LDFC, SHPR, Y12C, YKA, YKA, PDMCI, HLID, W13A, CCUT, LCMT, SZCU, 214A, KNB, DUG, HVG, HVU, PKCU, MTPU, WUAZ, TMUT, BW06, PDAR, PDAR, MVCO, O20A, SMWC, LAO, S22A, ANMO, N23A, SDCO, RSSD, TXAR, ARCES, M39A, W39A, NOA, BOSA, PLCA, LSZ, GERES, 06Z2, LVC, LVC, LPAZ

Table with columns: LPAZ, CPUP, SDV, SVB, PTGA, TOAO, TORD, BDFB, BDFB

MEX 07 02:44:04.9-0.4, 17:13N x 100:15W, h35km, 8km, MD3.5

MEX 07 03:10:52.9-0.4, 16:53N x 98:55W, h1km, 12km, MD3.9

PGC 07 03:12:46.6-9.9, 50:55N-130:39W, h10km, MLN2.8/9, Mw3.5/9, 210km west of Pt. Hardy, Bc Vancouver Island, Canada Region, Vancouver Island region

Table with columns: HGAB, PACB, GBB, PHC, PHC, PHC, BBB, BNB, TLBC, TLBC, WOSS, MCRB, SPLB, CBB, BTB, TXB

ISCJB 07 03:17:58.6-0.5, 37:75N-102:37.47E, h4km, 5km, Error ellipse: s-maj=4.8km s-min=3.8km az=21.0

ISK 07 03:17:58.6-0.5, 37:74N-37:44E, h6km, ML2.4/3 DDA 07 03:17:59.1, 37:76N-37:50E, h7km, ML2.7

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

ISK 07 03:43:01.4, 36:58N-27:95E, h11km, ML2.3/5, Dodecanese Islands

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

ISCJB 07 03:45:42.0-0.5, 13:87N-0:05-90:30W, 0:06, h200km, mb4.0/24, Error ellipse: s-maj=10.1km s-min=3.0km

IDC 07 03:45:43.6-0.8, 14:26N-89:87W, h170km, 4km, mb3.3/8, mb1.3/5/12, mb1mx3.3/36, mb1mp3.8/12, Error ellipse: s-maj=29.6km s-min=10.0km az=48.0

UCR 07 03:45:44.4-1.4, 14:00N-90:21W, h172km, 7km, ML3.6, mb4.3(NEIC)

NEIC 07 03:45:44.0-0.7, 14:14N-90:20W, h182km, 8km, mb4.3/23, Error ellipse: s-maj=12.4km s-min=7.9km az=47.0

ISC 07 03:45:44.0-0.7, 14:09N-0:09-90:28W, 0:08, h200km, n192, s173/194, mb4.1/22, C6, Guatemala

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

Table with columns: LBRS, LFRA, PAVA, PAVA, TECA, PACA, LCND, LCND, CSGN, CSGN, CSGN, CSGN, TGUH, CRIN, CRIN

Table with columns: CNGN, CNGN, ESTN, MOMM, COPN, COFN, BOAB, CMIG

Table with columns: ESPN, TEIG, JTS, JTS, JTS, LNIG, A4V4, 435B, ROSC, JCT, JCT, 147A, 148A, 149A, 150A, 151A, WHTX, WHTX, Z46A, LRAL, LRAL, Z47A, Z47A, Z41A, Z49A, Z48A, Z50A, TXAR, TX31, Z51A, Y45A, 257A, Y46A, Y44A, Y47A, Y48A, Y49A, Y49A, Z53A, Y50A, GOGA, Z54A, Y51A, ABTX, X47A, Y52A, X48A, X48A, MIAR, MIAR, X49A, X49A, X50B, Y54A, PLAL, X37A, W46A, W46A, W48A, W48A, W47A, W39A, W49A, X53A, SWET, W50A, W51A, W42A, V41A, V46A, V48A, V47A, V49A

WMOK	Wichita Mounta	21.95 341	eP	P	03 50 22.6 +0.8
V50A	Pikeville	21.99 11	P	P	03 50 22.7 +0.6
WVT	Waverly	22.06 5 eP	P	P	03 50 24.1 +1.3
WVT	Waverly	22.06 5	P	P	03 50 23.8 +1.0
U46A	Springville	22.26 4	P	P	03 50 25.8 +1.2
TKL	Tuckaleechee C	22.26 14	P	P	03 50 25.8 +1.1
U40A	Yellville	22.30 355	P	P	03 50 25.9 +0.9
MNTX	Cornudas Mount	22.33 324	eP	P	03 50 27.4 +2.0
U47A	Clarksville	22.42 6	P	P	03 50 27.1 +1.0
KMSC	Kings Mountain	22.46 19	P	P	03 50 26.4 -0.2
V52A	Sevierville	22.48 14	P	P	03 50 27.3 +0.6
U48A	Cassie Pea, Po	22.58 8	P	P	03 50 28.8 +1.2
U49A	Red Boiling Sp	22.70 9	P	P	03 50 29.9 +1.3
U50A	Jamestown	22.76 11	P	P	03 50 30.7 +1.4
T42A	Van Buren	22.86 358	eP	P	03 50 31.2 +2.2
T42A	Van Buren	22.86 358	P	P	03 50 31.9 +1.8
U51A	La Follette	22.90 13	P	P	03 50 31.3 +0.8
T43A	Greenville	22.90 360	P	P	03 50 32.3 +1.9
T46A	Princeton	22.96 5	P	P	03 50 32.4 +1.4
T47A	Sharon Grove	22.98 7	P	P	03 50 32.5 +1.3
AMTX	Amarillo	23.12 336	eP	P	03 50 33.7 +1.1
T48A	Bowling Green	23.19 8	P	P	03 50 34.3 +1.3
U53A	Fall Branch	23.23 16	P	P	03 50 34.6 +1.1
U49A	Edmonton	23.31 10 eP	P	P	03 50 34.5 +1.2
T49A	Edmonton	23.31 10	P	P	03 50 35.3 +1.2
T50A	Nancy	23.35 11	P	P	03 50 35.4 +0.9
S43A	Fulton Ridge,	23.39 0	P	P	03 50 35.7 +0.8
S41A	Jillico Farms,	23.44 357	P	P	03 50 36.7 +1.3
T51A	Gray	23.48 13	P	P	03 50 37.0 +1.3
S44A	Carbondale	23.53 2	P	P	03 50 37.8 +1.7
SIUC	Southern Illin	23.55 2 eP	P	P	03 50 37.6 +1.3
S42A	Caledonia	23.59 359	P	P	03 50 37.7 +1.0
S47A	Hartford	23.61 7	P	P	03 50 38.2 +1.3
S46A	Don Dixon Farm	23.61 5	P	P	03 50 38.8 +1.9
S48A	Wiedeman Farm,	23.78 8	P	P	03 50 39.6 +1.2
CCM	Cathedral Cave	23.89 358	P	P	03 50 40.4 +1.0
S49A	Springfield	24.02 10	P	P	03 50 41.5 +0.9
S50A	Richmond	24.07 11	P	P	03 50 41.5 +0.4
R43A	Red Bud	24.10 1	P	P	03 50 42.5 +1.3
R42A	Luebbering	24.10 359	P	P	03 50 42.4 +1.1
R41A	Rosebud	24.14 358	P	P	03 50 43.2 +1.5
R46A	Gibson Southern	24.16 5	P	P	03 50 42.9 +1.1
R45A	Skyler, Fairir	24.18 4	P	P	03 50 43.2 +1.2
WC1	Wyandotte Cave	24.31 8 eP	P	P	03 50 43.9 +0.7
WC1	Wyandotte Cave	24.31 8	P	P	03 50 44.4 +1.2
R47A	Woody Knot Far	24.34 7	P	P	03 50 44.5 +0.9
R48A	Northridge Ran	24.53 8	P	P	03 50 46.4 +1.2
R49A	Shelbyville	24.53 10	P	P	03 50 46.3 +1.1
Q43A	New Douglas	24.76 1	P	P	03 50 49.4 +2.1
Q41A	Truxton	24.79 358	P	P	03 50 49.2 +1.7
Q47A	Bedord North L	24.99 7	P	P	03 50 50.6 +1.2
P43A	Skaggs, Pawnee	25.47 1	P	P	03 50 56.1 +2.4
P47A	Martinsville	25.55 7	P	P	03 50 55.2 +0.8
Q51A	Peebles	25.59 13	P	P	03 50 55.3 +0.5
P48A	Milroy	25.64 9	P	P	03 50 55.6 +0.4
Q52A	Bidwell	25.77 14	P	P	03 50 56.5 +0.4
P49A	Miami Univ. Ec	25.82 10	P	P	03 50 57.0 +0.1
O47A	Sheridan	26.30 7	P	P	03 51 01.5 +0.4
O50A	Cable	26.61 11	P	P	03 51 04.2 +0.2
M43A	Waltham Townsh	27.27 2	P	P	03 51 10.9 +1.1
L42A	Oliver, Polo	27.82 1	P	P	03 51 15.7 +1.0
L47A	Sherwood	28.14 8	P	P	03 51 17.7 +0.2
K41A	Shellsburg	28.42 360	P	P	03 51 20.6 +0.6
K39A	Delwein	28.55 358	P	P	03 51 21.1 -0.1
K47A	Vermontville	28.85 8	P	P	03 51 23.8 +0.4
J42A	Columbus	29.15 2	P	P	03 51 26.7 +0.3
J41A	Loganville	29.18 0	P	P	03 51 27.2 +0.5
K43A	Clarkson	29.20 10	P	P	03 51 26.9 +0.0
U49A	Langenfeld Bro	29.75 3	P	P	03 51 32.3 +0.6
I41A	Arkdale	29.87 1	P	P	03 51 33.2 +0.4
ECSD	EROS Data Cent	30.04 351	P	P	03 51 34.9 +0.6
I47A	Gladwin	30.24 8	P	P	03 51 37.3 +1.2
B1NY	Binghamton	30.63 21	P	P	03 51 37.8 -0.8
G38A	Ridgeland	31.01 358	P	P	03 51 43.5 +0.7
G39A	Holcombe	31.11 359	P	P	03 51 44.3 +0.7
SPMN	Marine on St.	31.11 357	P	P	03 51 44.5 +0.8
F41A	Three Lakes	31.57 2	P	P	03 51 48.5 +0.8
F38A	Pierce - Schro	31.80 358	P	P	03 51 50.1 +0.4
E39A	Mellen	32.19 360	P	P	03 51 53.2 +0.1
E40A	Wakefield	32.24 2	P	P	03 51 54.5 +0.8
E38A	The Farm, Brul	32.44 358	P	P	03 51 55.8 +0.6
DUG	Dugway, Tooele	32.65 327	eP	P	03 51 58.5 +1.1
PDAR	Pinedale Array	33.06 334	P	P	03 52 04.5 +3.5
AGMW	Agassiz Nation	34.42 353	eP	P	03 52 12.9 +0.5

AGMW	Agassiz Nation	34.42 353	P	P	03 52 13.0 +0.6
MDND	Maddock	34.54 349	eP	P	03 52 14.2 +0.8
MDND	Maddock	34.54 349	P	P	03 52 14.6 +1.2
NVAR	Mina Array Bea	34.67 320	P	P	03 52 19.3 +4.3
LRV	Little Rabbit	35.35 315	eP	P	03 52 21.7 +1.2
FRP	Tremont Peak	35.31 315	eP	P	03 52 21.8 -3.0
BOZ	Bozeman (W)	36.22 334	eP	P	03 52 30.6 +2.7
ULM	Lac du Bonnet	36.35 354	P	P	03 52 29.0 +0.2
SIV	San Ignacio	41.55 135	P	P	03 53 14.6 +2.2
SCHO	Schefferville	44.58 19	P	P	03 53 36.3 +0.2
YKA	Yellowknife Ar	51.34 346	P	P	03 54 29.1 +1.4
RES	Resolute Bay	60.65 359	eP	P	03 55 34.1 +0.6
ILAR	Eielson Array	63.42 336	P	P	03 55 53.5 +1.4
WRA	Warramunga Arr	137.03 256	PKP	PKPdf	04 04 47.6 +3.6

ISCJB 07 03:50:26.9 J 1.2 35°33'N 0°05:30.44 E 0.05, h7km, 6km,
 Error ellipse: s-maj=9.9km s-min=6.1km az=158.8
 ISK 07 03:50:27.9 J 3.5 87°N 30°33'E h8km, ML2.6/9
 DDA 07 04:50:31.1 36.07°N 30°85'E h30km, ML2.6
 ISC 07 03:50:27.0 J 1.8 35°33'N 0°07:30.41 E 0.04, h6km, 13km,
 n19, c126/29, Eastern Mediterranean Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
AKAS	Kas	0.77	302	Op	03 50 41.7	0.0
KEMT	Kemer-ANTALYA	0.78	9	PG	03 51 02.9	-0.1
KEMT	Kemer-ANTALYA	0.78	9	SG	03 50 53.8	-0.1
ELL	Elmali	1.00	337	PG	03 50 46.2	-0.1
ANTB	Antalya	1.09	11	PG	03 50 48.2	+0.3
ANTB	Antalya	1.09	11	SG	03 51 03.7	-0.4
KORT	Korkueui	1.17	358	SN	03 50 49.9	-0.1
KORT	Korkueui	1.17	358	SN	03 51 05.9	-0.5
KORT	Korkueui	1.17	358	IS	03 50 50.3	+0.2
FETY	Fethiye	1.34	307	PN	03 50 52.3	-0.4
FETY	Fethiye	1.34	307	SN	03 51 10.3	-0.1
KEPZ	Antalya-Kepez	1.44	42	IS	03 50 52.0	-1.7
KEPZ	Antalya-Kepez	1.44	42	IS	03 51 11.1	-1.9
GOLH	Golhisar	1.56	334	IS	03 50 56.6	-0.3
GAZI	Gazipasa	1.60	75	PN	03 50 57.9	+0.9
SUTC	Sutluce-Ispart	1.71	16	PN	03 50 58.2	+0.7
DALY	Dalyan (Mu'la	1.73	305	PN	03 50 58.0	-1.1
TURN	Turunc	1.79	306	PN	03 51 01.7	+0.4
ARG	Arhankeles	1.89	283	PN	03 51 00.2	+0.4
ERMK	Ermek	2.18	67	IS	03 51 01.8	-2.2
ERMK	Ermek	2.18	67	IS	03 51 36.8	+2.4
DATA	Data	2.49	292	PN	03 51 08.2	+0.5
DOGA	KONYA-Doganhis	2.49	24	IS	03 51 08.2	+0.1
KONT	Konya-Tatoy	2.63	36	IS	03 51 09.6	-0.4
KONT	Konya-Tatoy	2.63	36	IS	03 51 43.3	+1.0
KDHN	Kadinhani	3.02	26	IS	03 51 16.1	+0.7
KDHN	Kadinhani	3.02	26	IS	03 51 49.8	-2.1

IDC 07 04:18:34.0 J 3.3 19°39'S 177°39'W h0km, mb3.8/5,
 mb1 4.1/5, mb1mx3.8/27, mbtmp3.8/5, Error ellipse:
 s-maj=184.9km s-min=25.1km az=152.0, Fiji Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
ASAR	Alice Springs	45.19	256	Op	04 26 53.5	+0.4
WRA	Warramunga Arr	45.24	261	P	04 26 53.5	+0.4
FITZ	Fitzroy Crossi	53.66	262	P	04 27 56.7	-1.1
NVAR	Mina Array Bea	80.27	43	P	04 30 46.8	-0.2
ILAR	Eielson Array	87.70	13	P	04 31 24.5	+0.4

WEL 07 04:36:01.9 J 43.65°0'6".1723E 0.7, h11km, 1km, ML3.8/17,
 South Island

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
EYCW	Eyrewell	0.15	16	Op	04 36 06.5	-0.2
EYCW	Eyrewell	0.15	16	Op	04 36 06.5	-0.2
RACZ	Rakaia	0.20	215	P	04 36 09.5	+0.6
CRLL	Canterbury Las	0.24	93	P	04 36 08.1	-0.1
MOZ	McQueen's Vall	0.29	119	P	04 36 09.1	-0.1
OXZ	Oxford	0.30	322	P	04 36 09.0	-0.4
AMCZ	Amerley	0.47	34	P	04 36 12.8	+0.7
AKCZ	Akarora Harbour	0.58	106	P	04 36 14.7	+0.3
OKCZ	Okaia Bay	0.58	106	P	04 36 14.5	+0.5
LTZ	Lake Taylor	0.78	359	P	04 36 18.2	+0.6
RPZ	Rata Peaks	0.92	260	P	04 36 20.6	-0.1
INZ	Inchbonnie	1.05	323	P	04 36 22.0	-0.1
WVZ	Waiata Valley	1.24	293	P	04 36 25.4	+0.1
KHZ	Kaitiaki	1.47	39	P	04 36 27.7	-0.5
LBZ	Lake Benmore	1.73	241	P	04 36 32.4	+0.5
FOZ	Fox Glacier	1.81	270	P	04 36 34.6	-0.3
DSZ	Denniston Nort	1.85	349	P	04 36 33.2	-0.5
THZ	Tophouse	1.86	14	P	04 36 33.2	-0.5
ODZ	Otaheke Downs	1.90	216	P	04 36 34.1	-0.1
BSWZ	Blackbirch Sta	2.26	33	PN	04 36 38.4	+0.2
TUWZ	Tuamarina	2.40	30	PN	04 36 41.6	-0.3
NNZ	Nelson	2.48	19	PN	04 36 42.6	+0.5
JCZ	Jackson Bay	2.59	257	P	04 36 45.1	+1.2
HHSZ	Higncliffe Hill	2.62	207	P	04 36 46.4	+2.3
WKZ	Wanaka	2.67	241	P	04 36 46.2	+1.3
EAZ	Earnscleugh	2.71	231	PN	04 36 45.8	+0.4
QRZ	Quartz Range	2.74	4	P	04 36 45.8	-0.1
TCW	Tory Channel	2.77	33	PN	04 36 46.2	0.0
BHW	Baring Head	2.88	42	P	04 36 46.4	-1.2
PLWZ	Plattin	2.96	49	PN	04 36 47.5	-1.4
DUNW	Dunville Isla	3.07	24	PN	04 36 51.5	+2.0
TUZ	Tuapeka	3.05	218	P	04 36 50.7	+0.6
CAW	Cannon Point	3.20	41	PN	04 36 51.2	-0.9
KIW	Kapiti Island	3.33	37	PN	04 36 53.8	-0.1
MSZ	Milford Sound	3.34	249	PN	04 36 56.7	+2.8
OGWZ	Okaiwi Gorge	3.48	39	PN	04 36 55.4	-0.5
MLZ	Mavora Lakes	3.49	238	PN	04 36 58.1	+2.0
SYZ	Scrubby Hill	3.72	216	P	04 37 00.2	+1.0
MRZ	Mangatanioka R	3.79	41	PN	04 36 58.8	-1.4
WHZ	Wether Hill R	3.88	232	P	04 37 00.6	-0.8
BFZ	Birch Farm	4.11	47	P	04 37 03.6	-1.1
ANZ	Anakiwa Hut	4.46	17	PN	04 37 07.1	+0.6
APZ	The Paps	4.47	221	PN	04 37 10.1	+0.6
PKE	Pukeiti	4.55	17	PN	04 37 12.1	+1.4
VRZ	Veera Road	4.81	23	PN	04 37 16.0	+1.8
HIZ	Hauti	5.41	22	PN	04 37	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ILB Eielson Array, DOT Lake, EGAK Eagle, DAWY Dawson, INK Inuvik, etc.

ARE 07 07:07:01.0.0.0, 16:03S:74.16W, h40km
NEIC 07 07:07:04.3-1.1, 16:42S:74.49W, h35km, ML4.0(ARE),
Error ellipse: s-maj=26.3km s-min=10.2km az=54.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NNA Nana, MNMC Minye Minye, GO01 Chusmiza, etc.

UCR 07 07:10:41.8-1.4, 11:32N:86.12W, h67km, 8km, MD3.8,
ML2.7, 1C-1D, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CONN Concepcion, MGAN Managua, GBS3 Finca Las Im'i, etc.

IDC 07 07:12:30.7-14.0, 6:74S:133.35E, h93km, 146km, mb3.4/2,
mb1 3.5/5, mb1mx3.2/3.4, mbtmsp3.7/5, ML3.5/3, Error
ellipse: s-maj=78.9km s-min=56.6km az=31.0, Aur

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

MEX 07 07:14:15.2-0.3, 16:32N:98.29W, h14km, 2km, MD3.8,
Near coast of Guerrero

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

SJA 07 07:17:16.9-0.6, 28:35S:71.44W, h21km, 4km, ML3.2,
MW3.6
GUC 07 07:17:20.0-0.7, 28:37S:70.88W, h55km, 7km, ML3.3

ISC 07 07:17:15.7-2.0, 28:30S:08.71W, 0.1, h2km, 15km, n14,
e15/19, 1C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LCO Las Campanas, GO03 Copiap, LSCH La Serena, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LSCH Tololo Observa, AROD Rodeo, AGUA GUANDACOL, etc.

ISCJB 07 07:22:05.9-0.8, 5:69S:0:09-147:29E, 0:09, h170km,
mb4.2/10, Error ellipse: s-maj=12.2km s-min=11.9km
az=18.0

IDC 07 07:22:06.0-4.5, 5:74S:147:28E, h144km, 20km, mb3.9/3,
mb1 4.0/6, mb1mx3.5/4.3, mbtmsp4.3/6, MS3.2/1, Ms1 3.2/1,
ms1mx2.3/3.5, Error ellipse: s-maj=64.8km s-min=20.6km
az=65.0

NEIC 07 07:22:06.2-0.6, 5:63S:147:26E, h157km, 7km, mb4.6/10,
Error ellipse: s-maj=9.6km s-min=8.4km az=169.0

ISC 07 07:22:07.4-0.9, 5:75S:0:08-147:3E, 0.1, h170km, n20,
e18/30/22, mb4.3/10, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, RABL Rabaul, COEN Coen, WRAB Tennant Creek, etc.

KRNET 07 07:26:18.8-0.1, 40:70N:73:37E, h22km, mb3.1
SOME 07 07:26:18.5, 40:78N:73:40E, h0km
NNC 07 07:26:18.4-0.3, 40:69N:73:34E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=6.8km s-min=1.6km az=86.0

KNET 07 07:26:23.0-1.6, 41:08N:73:40E, h0km, ml2.8, Error
ellipse: s-maj=23.4km s-min=12.8km az=112.0

ISC 07 07:26:18.1-1.1, 40:52N:0:02-73:30E, 0:02, h3km, 11km,
n55, e149/100, 45C-27D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, ARS Arslanbob, ARLS Aral, etc.

ISCJB 07 07:29:20.6-0.2, 36:51N:0:02-70:16E, 0:03, h213km,
mb3.6/31, Error ellipse: s-maj=3.8km s-min=2.7km
az=1.0

IDC 07 07:29:20.6-1.8, 36:41N:70:16E, h210km, 16km, mb3.5/13,
mb1 3.6/20, mb1mx3.4/4.5, mbtmsp4.1/20, MS2.2/1,
Ms1 2.2/1, ms1mx1.9/4.6, Error ellipse: s-maj=13.5km
s-min=10.8km az=145.0

BUI 07 07:29:21.3, 36:53N:70:20E, h212km, mb4.3/9, mb4.3/4
NEIC 07 07:29:22.0-5.5, 36:52N:70:21E, h215km, 5km, mb4.0/21,
Error ellipse: s-maj=7.9km s-min=6.0km az=139.0

NNC 07 07:29:25.3-2.0, 36:76N:70:21E, h203km, 17km, mb3.5,
mpv4.6, Error ellipse: s-maj=24.6km s-min=17.7km
az=103.0

ISC 07 07:29:21.4-0.4, 36:45N:0:04-70:16E, 0:04, h213km, n108,
e160/130, mb3.9/31, 6C-9D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KBL Kabul, CHER Cherat, NIL Nalore, etc.

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

ISCJB 07 07:29:20.6-0.2, 36:51N:0:02-70:16E, 0:03, h213km,
mb3.6/31, Error ellipse: s-maj=3.8km s-min=2.7km
az=1.0

IDC 07 07:29:20.6-1.8, 36:41N:70:16E, h210km, 16km, mb3.5/13,
mb1 3.6/20, mb1mx3.4/4.5, mbtmsp4.1/20, MS2.2/1,
Ms1 2.2/1, ms1mx1.9/4.6, Error ellipse: s-maj=13.5km
s-min=10.8km az=145.0

BUI 07 07:29:21.3, 36:53N:70:20E, h212km, mb4.3/9, mb4.3/4
NEIC 07 07:29:22.0-5.5, 36:52N:70:21E, h215km, 5km, mb4.0/21,
Error ellipse: s-maj=7.9km s-min=6.0km az=139.0

NNC 07 07:29:25.3-2.0, 36:76N:70:21E, h203km, 17km, mb3.5,
mpv4.6, Error ellipse: s-maj=24.6km s-min=17.7km
az=103.0

ISC 07 07:29:21.4-0.4, 36:45N:0:04-70:16E, 0:04, h213km, n108,
e160/130, mb3.9/31, 6C-9D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KBL Kabul, CHER Cherat, NIL Nalore, etc.

TAWA	Tawaga	44.66	273	eP	P	08 26 31.8	-1.6
OHAK	Old Harbor	44.69	43	eP	P	08 26 33.4	+0.6
OHAK	comp-Z,4um,1.4s						
OHAK	comp-Z,264um,22.0s			LR	LR		
CHBT	CHBT	44.79	247	P	P	08 26 42.7	+8.6
IM3	Indian Mountai	44.86	31	eP	P	08 26 34.1	+0.1
TARA	Tarawa	44.90	137	eP	P	08 26 35.7	+0.8
TARA	comp-Z,7um,1.8s			LR	LR		
RSO	Redoubt South	44.93	39	eP	P	08 26 35.3	+0.4
KDAK	Kodiak Island	45.05	43	eP	P	08 26 35.5	-0.1
KDAK	comp-Z,2um,0.7s,baz=263,slow=4.0,SNR=193			LR	LR	08 44 09.8	
UMPA	Umpang Tak	45.21	254	P	P	08 26 39.3	+1.9
SILCHAR	Silchar	45.25	269	eP	P	08 26 38.1	+0.5
SILCHAR	comp-Z,7.58nm,1.2s,comp-Z,8um						
PURKEYPIL	Purkeypille	45.27	35	eP	P	08 26 38.8	+1.2
PURKEYPIL	comp-Z,12um,1.6s						
CAST	Castle Rocks	45.34	35	eP	P	08 26 39.0	+1.0
SGKI	Sangatta, Kali	45.35	219	P	P	08 26 35.7	-2.8
SGKI	comp-Z,4um,1.6s,comp-Z,68um,comp-Z,180um						
GUWAHATI	GUWAHATI	45.45	271	eP	P	08 26 38.9	-0.4
GUWAHATI	comp-Z,5um,1.6s			IAMB	IAMB	08 26 53.0	
SMKI	Samarinda	45.48	219	P	P	08 26 44.0	+4.5
HOM	Homer	45.49	40	eP	P	08 26 39.1	0.0
SKT	Skwentna	45.54	37	eP	P	08 26 39.7	+0.2
SKT	comp-Z,2um,1.1s			LR	LR		
MK01	Makanchi Array	45.55	302	eP	P	08 26 38.8	-1.1
MK31	Makanchi Array	45.56	302	eP	P	08 26 38.9	-1.0
MK31	Makanchi Array	45.56	302	eP	P	08 26 38.9	-1.0
MK32	Makanchi Array	45.56	302	eP	P	08 33 18.3	-1.3
MK32	comp-Z,1.2um,1.6s			eS	S	09 04 29.5	
MKAR	Makanchi Array	45.56	302	P	P	08 26 38.9	-1.0
MKAR	comp-Z,4.04nm,0.9s,baz=85,slow=7.6,SNR=322						
MKAR	comp-Z,2.1nm,0.9s,baz=74,slow=18,SNR=2.2			LR	LR	08 33 18.3	-1.3
MKAR	comp-Z,282um,18.6s,baz=77,slow=37			LR	LR	09 04 29.5	
MKAR	comp-Z,4.8nm,0.8s,baz=69,slow=5.2,SNR=8.2						
MKAR	Makanchi Array	45.56	302	eP	P	08 26 38.8	-1.0
MKAR	comp-Z,2.1um,1.1s			S	S	08 33 18.3	-1.3
MKAR	comp-Z,2.1um,1.1s			S	S	09 04 29.5	
SHL	Shilling	45.59	270	eP	P	08 26 40.2	-0.4
SHL	Shilling	45.59	270	eP	P	08 26 40.2	-0.4
SHL	comp-Z,3um,1.0s			PMAX	PMAX		
SHL	Shilling	45.59	270	eP	P	08 26 39.9	-0.8
JOHN	Johnston Islan	45.66	104	eP	P	08 26 42.0	+1.0
JOHN	comp-Z,5um,1.3s			LR	LR		
CNPM	China Poot	45.70	40	eP	P	08 26 40.9	+0.1
CNPM	comp-Z,2um,1.3s						
PATY	Pattaya	45.76	249	P	P	08 26 43.1	+1.3
PATY	comp-Z,600nm,0.9s,comp-Z,6um						
MAKZ	Makanchi	45.76	302	eP	P	08 26 40.7	-0.8
MAKZ	comp-Z,4um,1.0s						
MAKZ	Makanchi	45.76	302	eP	P	08 26 40.7	-0.8
MAKZ	comp-Z,4um,1.0s			PMAX	PMAX		
SBUM	Sibu	45.78	228	eP	P	08 26 42.5	+0.6
SBUM	comp-Z,1um,1.2s						
SBUM	Sibu	45.78	228	eP	P	08 26 44.0	+2.1
AZL	Aizawl	45.85	267	eP	P	08 26 41.5	-1.1
BPAW	Bear Paw Mtn.	45.87	34	eP	P	08 26 42.8	+0.7
BPAW	comp-Z,5um,1.7s			LR	LR		
BRK	Bradley Lake	45.87	40	eP	P	08 26 42.7	+0.5
SUA	Susitna One	45.91	37	eP	P	08 26 42.3	-0.3
SUA	comp-Z,2.1um,2.0s			LR	LR		
MLY	Manley	46.02	32	eP	P	08 26 44.3	+1.0
MLY	comp-Z,6um,1.6s						
TRF	Thorofore Moun	46.15	35	eP	P	08 26 44.7	+0.2
TRF	comp-Z,2um,1.0s						
SRDT	SRDT	46.15	252	P	P	08 26 45.7	+0.8
SRDT	comp-Z,2um,1.5s,comp-Z,2um						
MMPI	Merauke	46.18	185	P	P	08 26 48.9	+3.9
MMPI	comp-Z,3um,0.8s,comp-Z,62um,comp-Z,240um						
SEM	Semipalatinsk	46.20	307	I/P	P	08 26 53.3	+8.1
SEM	comp-Z,373nm,1.5s			I/S	S	08 33 37.3	+8.3
SEM	comp-Z,373nm,1.5s			LR	LR	08 46 04.1	
SAIH	SAIHA	46.26	266	eP	P	08 26 45.6	-0.2
BKB	Balkpapan	46.34	219	eP	P	08 26 48.3	+2.0
BKB	comp-Z,4um,1.0s,comp-Z,9um,comp-Z,346um						
COLD	Coldfoot	46.40	29	eP	P	08 26 47.3	+1.1
COLD	comp-Z,965nm,1.2s			LR	LR		
RC01	Rabbit Creek A	46.41	38	eP	P	08 26 46.3	-0.1
RC01	comp-Z,114um,20.0s			LR	LR		
TTN	Tana Toraja	46.50	215	P	P	08 26 48.1	+0.5
TTN	comp-Z,7.83nm,1.3s,comp-Z,29um,comp-Z,183um						
BWN	Browne	46.53	34	eP	P	08 26 48.8	+1.5
BWN	comp-Z,22um,1.5s			LR	LR		
SEW	Seward	46.58	39	eP	P	08 26 47.5	-0.2
SEW	comp-Z,2um,1.2s			LR	LR		
PHET	Kaeng Krachan	46.68	250	P	P	08 26 50.3	+1.3
PHET	comp-Z,2um,0.9s,comp-Z,11um						
PMR	Palmer	46.69	37	eP	P	08 26 48.1	-0.3
PMR	comp-Z,8um,1.8s			LR	LR		
PMR	Palmer	46.69	37	eP	P	08 26 48.1	-0.3
PMR	comp-Z,260um,21.0s			PMAX	PMAX		
PMR	comp-Z,8um,1.8s			MLR	MLR		
MCK	McKinley	46.76	34	eP	P	08 26 49.3	+0.2
MCK	comp-Z,10um,1.9s			LR	LR		
MCK	McKinley	46.76	34	eP	P	08 26 49.3	+0.2
MCK	comp-Z,226um,18.0s			MLR	MLR		
GHO	Glory Hole Cre	46.78	37	eP	P	08 26 49.5	+0.1
GHO	comp-Z,226um,18.0s			LR	LR		
RND	Reindeer	46.80	35	eP	P	08 26 49.3	-0.1
RND	comp-Z,221um,22.0s			LR	LR		
RND	Reindeer	46.80	35	eP	P	08 26 49.3	-0.1
RND	comp-Z,8um,1.5s			PMAX	PMAX		
RND	Reindeer	46.80	35	eP	P	08 26 49.3	-0.1
RND	comp-Z,370um,20.0s			MLR	MLR		
RND	Reindeer	46.80	35	eP	P	08 26 49.3	-0.1
RND	comp-Z,8um,1.5s			MLR	MLR		
TURI	Tura	46.83	271	eP	P	08 26 51.1	+1.0
AGT	Agartala	46.92	269	eP	P	08 26 50.6	-0.3
AGT	comp-Z,13um,1.8s			IAMB	IAMB	08 27 06.3	
SML	Sawmill	47.06	37	eP	P	08 26 51.8	+0.3
SML	comp-Z,8um,1.4s			LR	LR		
SML	Sawmill	47.06	37	eP	P	08 26 51.8	+0.3
SML	comp-Z,280um,22.0s			PMAX	PMAX		
SML	Sawmill	47.06	37	eP	P	08 26 51.8	+0.3
SML	comp-Z,8um,1.4s			MLR	MLR		
PMG	Port Moresby	47.06	176	P	P	08 26 51.8	-0.1

PMG	Port Moresby	47.06	176	eP	P	08 26 52.4	+0.5
PMG	comp-Z,92nm,0.8s,baz=47,slow=6.0,SNR=18						
PMG	Port Moresby	47.06	176	eP	P	08 26 52.4	+0.5
PMG	comp-Z,233um,20.0s			LR	LR		
PMG	Port Moresby	47.06	176	eP	P	08 26 52.4	+0.5
PMG	comp-Z,2um,1.3s			PMAX	PMAX		
PMG	Port Moresby	47.06	176	eP	P	08 26 52.4	+0.5
PMG	comp-Z,2um,1.3s			MLR	MLR		
BELO	BELONIA	47.08	268	eP	P	08 26 50.8	-1.3
MDM	Murphy Dome	47.08	33	eP	P	08 26 52.2	+0.6
MDM	comp-Z,9um,1.5s			LR	LR		
MDM	Murphy Dome	47.08	33	eP	P	08 26 52.2	+0.6
MDM	comp-Z,2um,1.3s			LR	LR		
MTKI	Muara Teweih	47.09	222	P	P	08 26 53.1	+0.9
MTKI	comp-Z,164um,20.0s						
SAUI	Saumlaki	47.12	198	eP	P	08 26 54.0	+1.6
SAUI	comp-Z,2um,1.1s,comp-Z,67um,comp-Z,216um						
SAUI	Saumlaki	47.12	198	eP	P	08 26 54.9	+2.5
SAUI	comp-Z,4um,1.6s,comp-Z,91um,comp-Z,331um						
WRH	Wood River Hill	47.14	33	eP	P	08 26 52.0	0.0
WRH	comp-Z,3um,1.4s			LR	LR		
WRH	Wood River Hill	47.14	33	eP	P	08 26 52.0	0.0
WRH	comp-Z,3um,1.4s			I/S	S	08 34 23.5	-0.7
KURK	Kurchatov	47.17	308	eP	P	08 26 51.2	-1.2
KURK	comp-Z,233um,20.0s						
KURK	Kurchatov	47.17	308	eP	P	08 26 51.2	-1.2
KURK	comp-Z,4um,0.8s			eS	S	08 33 40.3	-2.2
KURK	Kurchatov	47.17	308	eP	P	08 26 51.2	-1.2
KURK	SNR=835			eS	S	08 33 40.3	-2.2
KURK	Kurchatov	47.17	308	eP	P	08 26 51.2	-1.2
KURK	comp-Z,4um,0.8s			PMAX	PMAX		
BRDH	Bariadhal	47.22	267	P	P	08 26 54.1	+1.0
BRDH	comp-Z,152nm,0.3s,baz=74,slow=10.0,SNR=58						
TCOL	CIGCO, UAF Yank	47.24	33	P	P	08 26 53.2	+0.5
TCOL	comp-Z,71um,1.6s			S	S	08 26 53.7	+2.6
COLA	College	47.24	33	eP	P	08 26 53.1	+0.3
COLA	comp-Z,3um,1.2s			LR	LR		
COLA	College	47.24	33	eP	P	08 26 53.1	+0.3
COLA	comp-Z,3um,1.2s			PMAX	PMAX		
COLA	College	47.24	33	eP	P	08 26 53.1	+0.3
COLA	comp-Z,3um,1.2s			MLR	MLR		
KURBB	Kurchatov Arr	47.24	308	P	P	08 26 51.8	-1.3
KURBB	comp-Z,152nm,0.3s,baz=74,slow=10.0,SNR=58						
KURBB	Kurchatov Arr	47.24	308	P	P	08 26 51.8	-1.3
KURBB	comp-Z,540nm,0.7s,baz=82,slow=8.0,SNR=350						
CCB	Clear Creek Bu	47.26	33	eP	P	08 26 52.7	-0.2
CCB	comp-Z,8.2nm,0.7s,baz=86,slow=14,SNR=2.4						
CCB	Clear Creek Bu	47.26	33	eP	P	08 26 52.7	-0.2
CCB	comp-Z,2um,1.4s			LR	LR		
SPSI	Sidrap Palu	47.34	214	P	P	08 26 53.6	-0.5
SPSI	comp-Z,782nm,1.2s,comp-Z,41um,comp-Z,137um						
GTK	Tadong	47.37	274	eP	P	08 26 55.2	+0.7
GTK	comp-Z,2um,0.3s			IAMB	IAMB	08 27 16.5	
POKR	Poker Plat Res	47.42	32	P	P	08 26 55.2	+0.9
POKR	comp-Z,270,SNR=1000						
SCM	Sheep Creek Mo	47.53	37	eP	P	08 26 55.7	+0.5
SCM	comp-Z,8um,1.4s			LR	LR		
BBSI	Bau Bau	47.54	210	P	P	08 27 00.3	+4.6
IL1	Eielson Array	47.66	33	eP	P	08 26 55.3	-0.8
ILAR	Eielson Array	47.66	33	eP	P	08 26 55.5	-0.5
ILAR	comp-Z,1um,0.9s,baz=260,slow=6.0,SNR=735			LR	LR	08 48 11.9	
ILAR	Eielson Array	47.66	33	eP	P	09 04 36.9	
ILAR	comp-Z,1.5nm,1.0s,baz=265,slow=4.5,SNR=4.5						
ILB	Eielson Array	47.66	33	eP	P	08 26 55.6	-0.5
ILB	comp-Z,3um,1.3s						
ILB	Eielson Array	47.66	33	eP	P	08 26 55.6	-0.5
ILB	comp-Z,3um,1.3s						
GLI	Glacier Island	47.70					

AAK	Ala-Archa	52.04 299	i P	P	08 27 29.6	-0.3
AAK	Ala-Archa	52.04 299	i P	P	08 27 28.9	-0.9
AAK	comp=Z,662nm,1.0s			MLR	MLR	
KIP	Kipapa	52.07 91	e P	P	08 27 31.8	+1.6
KIP	comp=Z,167um,18.0s			LR	LR	
KIP	Kipapa	52.07 91	e P	P	08 27 31.8	+1.6
KIP	comp=Z,2um,1.1s			pmx	pmx	
KIP	comp=Z,167um,18.0s			MLR	MLR	
KSH	Kashi	52.08 294	p P	P	08 27 33.3	+3.2
KSH	Erkin-Say			s P	s P	08 27 46.0 +1.1
KSH				PP	PP	08 29 34.1 +5.8
KSH				S	S	08 34 52.9 +1.2
KSH				s S	s S	08 35 09.1 0.0
KSH				ScS	ScS	08 37 16.3 -1.2
KSH				SS	SS	08 38 29.1 +0.3
KSH	comp=Z,22um,5.9s			pmx	pmx	
HON	Honolulu	52.14 91	e P	P	08 27 32.3	+1.7
HON	Honolulu	52.14 91	e P	P	08 27 32.3	+1.7
UCH	Uchtor	52.16 298	P	P	08 27 30.8	-0.4
HYT	Haines Juncio	52.36 37	e P	P	08 27 33.4	+1.5
HYT	comp=Z,214um,19.0s			LR	LR	
DHAK	Deception Hill	52.37 40	e P	P	08 27 34.1	+2.2
DHAK	comp=Z,5um,1.5s			LR	LR	
EKSZ	Erkin-Say	52.52 299	P	P	08 27 32.7	-0.7
PLAI	Plampang	52.55 214	P	P	08 27 32.2	-1.5
WBSI	Waikabubak, Su	52.59 211	P	P	08 27 32.8	-1.2
BASI	Baik, Sumba	52.64 210	P	P	08 27 34.1	-0.2
PBA	Port Blair	52.67 254	e P	P	08 27 36.5	+1.9
INK	Inuvik	52.69 28	e P	P	08 27 34.2	+0.2
INK	comp=Z,705nm,1.0s,baz=290,slow=6.7,SNR=482			LR	LR	08 51 40.0
INK	comp=Z,136um,21.2s,baz=280,slow=38			LR	LR	09 04 58.2
INK	comp=Z,4.5nm,1.1s,baz=302,slow=7.5,SNR=3.0			e	e	08 27 34.2 +0.2
INK	Inuvik	52.69 28	e P	P	08 27 34.3	+0.2
INK	comp=Z,3um,1.2s			pmx	pmx	
DSRI	Dabo	52.75 233	P	P	08 27 41.8	+6.6
AML	Almayashu	52.77 298	P	P	08 27 35.3	-0.2
KMMI	Kalianget	52.78 219	P	P	08 27 38.1	+2.8
SRBI	Singaraja	53.07 217	P	P	08 27 38.6	+1.1
BWNR	Bhubaneswar	53.09 268	e P	P	08 27 34.7	-3.0
BWNR	comp=Z,3um,2.2s			IAMB	IAMB	08 27 39.8
PRBI	Pangkal Pinang	53.09 230	P	P	08 27 38.5	+0.8
GRJG	Gresik	53.41 220	P	P	08 27 40.6	+0.6
BLJI	Banyuglugur	53.56 219	P	P	08 27 44.5	+3.4
DNP	Denpasar	53.59 216	P	P	08 27 42.1	+0.8
KHLH	Kahului Airoor	53.61 91	e P	P	08 27 44.6	+3.1
WHY	Whitehorse	53.65 37	e P	P	08 27 42.5	+1.0
WHY	comp=Z,158um,22.0s			LR	LR	
TBJI	Tambak Boyo	53.66 221	P	P	08 27 44.1	+2.3
SKAG	Skagway	53.73 39	e P	P	08 27 44.1	+2.3
SKAG	comp=Z,3um,1.6s			LR	LR	
IGBI	IGBI Denpasar	53.74 216	P	P	08 27 41.7	-0.7
LHMI	Lhok Sumawe	53.77 245	e P	P	08 27 43.9	+1.1
LHMI	Lhok Sumawe	53.77 245	e P	P	08 27 45.6	+2.9
HLK	Halekuala	53.82 91	e P	P	08 27 46.1	+2.7
HLK	comp=Z,190um,19.0s			LR	LR	
TSI	Tuntunan	53.83 242	P	P	08 27 46.4	+3.2
JAGI	Jajag, Banyuwa	53.91 218	e P	P	08 27 41.8	-1.9
JAGI	comp=Z,96um,21.0s			LR	LR	
JAGI	Jajag, Banyuwa	53.91 218	e P	P	08 27 44.5	+0.8
PSI	Prapat	54.08 241	e P	P	08 27 45.1	0.0
PSI	comp=Z,1um,0.9s			pmx	pmx	
PSI	comp=Z,246um,18.0s			MLR	MLR	
PSI	Prapat	54.08 241	e P	P	08 27 45.1	0.0
PSI	comp=Z,1um,0.9s			MLR	MLR	
RGRJ	Rengat	54.10 235	P	P	08 27 49.9	+4.8
DZA	Beise	54.13 300	e P	P	08 27 44.0	-1.1
DZA	Beise	54.13 300	e P	P	08 35 18.1	-1.2
BESE	Bessie Mountai	54.19 40	e P	P	08 27 47.4	+2.1
BESE	comp=Z,122um,18.0s			LR	LR	
DDI	Dehra Dun	54.26 283	e P	P	08 27 47.1	+0.8
DDI	comp=Z,758nm,0.7s			IAMB	IAMB	08 27 54.3
DDI	comp=Z,437um,31.7s			IAMS_20	IAMS_20	08 49 48.8
NGJI	Ngawi	54.32 221	P	P	08 27 48.7	+2.0
SIT	Sitka	54.36 42	e P	P	08 27 47.8	+1.4
KCSI	Kotacane, Aceh	54.37 243	P	P	08 27 45.9	-1.2
MHA	Matukona	54.40 91	e P	P	08 27 50.5	+3.2
BKNI	Bangkok	54.44 237	e P	P	08 27 48.4	+0.8
BKNI	comp=Z,187um,20.0s			LR	LR	
BKNI	Bangkok	54.44 237	e P	P	08 27 48.6	+1.0
JIS	Juneau Island	54.51 40	e P	P	08 27 50.0	+2.5
JIS	comp=Z,3um,1.3s			LR	LR	
PMBI	Palemang	54.53 231	P	P	08 27 52.2	+4.0
SMLA	Simila	54.58 284	e P	P	08 27 47.7	-0.8
SMLA	comp=Z,3um,0.8s			IAMB	IAMB	08 27 54.2
KKH	Kailua Kona	54.59 92	e P	P	08 27 50.2	+1.5
KKH	Kailua Kona	54.59 92	e P	P	08 27 50.2	+1.5
SMRI	Samarang	54.59 223	e P	P	08 27 49.2	+0.4
SMRI	comp=Z,12um,1.5s			LR	LR	
SMRI	Samarang	54.59 223	e P	P	08 27 49.1	+0.4
SMRI	comp=Z,196um,22.0s			LR	LR	
SMRI	Samarang	54.59 223	e P	P	08 27 49.1	+0.4
KK31	Karatay Array	54.62 300	e P	P	08 27 47.2	-1.4
KK31	Karatay Array	54.62 300	e P	P	08 27 47.2	-1.4

KKAR	Karatay Array	54.62 300	e P	P	08 27 47.2	-1.4
KKAR	Karatay Array	54.62 300	e P	P	08 27 47.2	-1.4
HPAH	Hawaii Prepara	54.65 91	e P	P	08 27 50.9	+1.7
HPAH	comp=Z,3um,1.5s			LR	LR	
PWJI	Pagerwojo	54.70 220	P	P	08 27 48.0	-1.4
HUH	Hualalai	54.72 92	e P	P	08 27 50.8	+0.8
HUH	comp=Z,125um,20.0s			LR	LR	
KHLU	Kahalu'u	54.73 92	e P	P	08 27 50.9	+1.1
KHLU	comp=Z,2um,1.0s			LR	LR	
KHLU	comp=Z,158um,20.0s			LR	LR	
DHRM	DHARAMSHALA	54.75 286	e P	P	08 27 48.9	-1.0
DHRM	comp=Z,3um,1.1s			IAMB	IAMB	08 27 57.8
CMBY	CAMPBELL BAY	54.77 249	e P	P	08 27 50.3	+0.3
CMBY	comp=Z,3um,1.4s			IAMB	IAMB	08 27 56.0
POHA	Pohakuloa	54.92 91	e P	P	08 27 52.8	+1.4
POHA	comp=Z,3um,1.0s			LR	LR	
TPTI	TPTI	54.98 243	P	P	08 27 50.6	-0.9
TPTI	comp=Z,318nm,0.9s,comp=Z,13um,comp=Z,133um					
WOJI	Wonogiri, Jawa	55.00 222	P	P	08 27 51.4	-0.2
MLOA	Mauna Loa Obse	55.01 92	e P	P	08 27 53.5	+1.3
MLOA	comp=Z,3um,1.0s			LR	LR	
MLOA	comp=Z,199um,18.0s			LR	LR	
MWH	Moku'awewe	55.02 92	e P	P	08 27 53.8	+1.3
MWH	comp=Z,5um,1.3s			LR	LR	
MWH	Humu'ula Sheep	55.05 91	e P	P	08 27 53.9	+1.5
MWH	comp=Z,177um,18.0s			LR	LR	
HMH	comp=Z,192um,18.0s			LR	LR	
MNSI	Mandailing Nat	55.08 239	P	P	08 27 51.6	-0.6
MNSI	comp=Z,840nm,0.9s,comp=Z,32um,comp=Z,194um					
BRLS	Borolday	55.10 301	e P	P	08 27 52.5	+0.3
BRLS	comp=Z,5.2nm,4.5s			i S	S	08 35 33.9 +1.5
SDSI	Sungai Dareh	55.13 236	P	P	08 27 53.3	+0.7
KHU	Kahuku	55.14 92	e P	P	08 27 54.6	+1.7
KHU	comp=Z,9um,1.4s			LR	LR	
KHU	Kahuku	55.14 92	e P	P	08 27 54.6	+1.7
KHU	comp=Z,154um,20.0s			LR	LR	
KHU	comp=Z,9um,1.4s			pmx	pmx	
KHU	comp=Z,9um,1.4s			MLR	MLR	
PCJI	Pacitan	55.17 221	P	P	08 27 52.0	-0.8
PCJI	comp=Z,2um,2.1s,comp=Z,55um,comp=Z,191um					
MLH	Mauna Loa	55.18 91	e P	P	08 27 55.5	+2.2
MLH	comp=Z,3um,0.9s			LR	LR	
MLH	comp=Z,204um,18.0s			LR	LR	
MLH	Mauna Loa	55.18 91	e P	P	08 27 55.5	+2.2
MLH	comp=Z,3um,0.9s			pmx	pmx	
MLH	comp=Z,204um,18.0s			MLR	MLR	
AIN	Ainahou	55.19 92	e P	P	08 27 55.0	+1.7
AIN	comp=Z,5um,1.0s			LR	LR	
HPO	Honouliuli	55.27 92	e P	P	08 27 56.6	+3.0
UGM	Wanagama	55.27 222	e P	P	08 27 52.5	-1.1
UGM	comp=Z,12um,1.4s			LR	LR	
UGM	comp=Z,156um,20.0s			LR	LR	
UGM	Wanagama	55.27 222	e P	P	08 27 52.8	-0.8
UGM	comp=Z,6um,1.5s,comp=Z,106um,comp=Z,219um					
UWE	Uwekahuna	55.30 92	e P	P	08 27 55.2	+1.3
UWE	comp=Z,3um,1.1s			LR	LR	
IUG	Iuzhnay	55.30 300	i P	P	08 27 53.1	-0.6
IUG	comp=Z,226um,18.0s					
IUG	Iuzhnay	55.30 300	i P	P	08 35 34.4	-0.9
IUG	comp=Z,652nm,1.4s			S	S	08 52 34.6
WRMH	West Rim	55.30 92	e P	P	08 27 55.7	+1.7
WRMH	comp=Z,57um,14.4s			LR	LR	
WRMH	comp=Z,2um,1.0s			LR	LR	
OBL	Observatory Le	55.30 92	e P	P	08 27 56.4	+2.4
OBL	comp=Z,2um,1.1s			LR	LR	
OBL	comp=Z,222um,18.0s			LR	LR	
UWB	Uwekahuna B	55.31 91	e P	P	08 27 56.4	+2.4
UWB	comp=Z,2um,1.2s			LR	LR	
NPH	North Pit	55.31 92	e P	P	08 27 56.1	+2.1
NPH	comp=Z,210um,18.0s			LR	LR	
NPH	North Pit	55.31 92	e P	P	08 27 56.1	+2.1
NPH	comp=Z,2um,1.2s			pmx	pmx	
NPH	comp=Z,210um,18.0s			MLR	MLR	
SBLHI	Steaming Bluff	55.31 91	e P	P	08 27 56.1	+2.1
SBLHI	comp=Z,3um,1.4s			LR	LR	
SBLHI	comp=Z,219um,18.0s			LR	LR	
SDHH	Sand Hill	55.31 92	e P	P	08 27 56.4	+2.4
SDHH	comp=Z,2um,1.1s			LR	LR	
SDHH	comp=Z,223um,18.0s			LR	LR	
HATHI	Halema'ua'u	55.32 91	e P	P	08 27 56.2	+2.0
HATHI	comp=Z,5um,1.5s			LR	LR	
HATHI	comp=Z,223um,18.0s			LR	LR	
RIM	Rim	55.33 92	e P	P	08 27 56.5	+2.3
RIM	comp=Z,2um,1.0s			LR	LR	
RIM	comp=Z,219um,18.0s			LR	LR	
BYL	Byron's Ledge	55.33 91	e P	P	08 27 56.2	+2.1
BYL	comp=Z,3um,1.3s			LR	LR	
KKO	Keanakako'i	55.33 92	e P	P	08 27 56.4	+2.2
KKO	comp=Z,216um,18.0s			LR	LR	
KKO	comp=Z,3um,1.3s			LR	LR	
HLP	Hilina Pali	55.35 92	e P	P	08 27 56.2	+2.0
HLP	comp=Z,2um,1.0s			LR	LR	
HLP	comp=Z,212um,18.0s			LR	LR	
PUH	Pauahi	55.38 92	e P	P	08 27 56.7	+2.1
PUH	comp=Z,4um,1.0s			LR	LR	
PUH	comp=Z,214um,18.0s			LR	LR	
STCH	Steam Cracks	55.45 91	e P	P	08 27 57.2	+2.2
STCH	comp=Z,2um,1.1s			LR	LR	
STCH	comp=Z,213um,18.0s			LR	LR	
NPOC	North of Pu'u	55.46 91	e P	P	08 27 57.2	+2.1
NPOC	comp=Z,3um,1.1s			LR	LR	
NPOC	comp=Z,211um,18.0s			LR	LR	
JCUZ	Jacuzi	55.47 91	e P	P	08 27 57.3	+2.2
JCUZ	comp=Z,2um,1.0s			LR	LR	

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like HSPB Hornsund, RES Resolute Bay, and many others.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like B05A Bryant, D04E Lakebay, GEYT Alibek, and many others.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like J05D Fort Rock, ARMA Armidale, K04D Chiloquin, and many others.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like VSR, BMO, NMTM, FORT, SUMG, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like FFC, BSSM, HRV, MWM, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like IDID, Didziasalis, PAGB, ANOM, etc.

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Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like Hagsfors, HFS, HVU, etc.

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

7d 8h

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

Table with columns: SKY, F45A, RIY, TRI, etc. containing station names, frequencies, and other technical details.

Table with columns: M40A, G46A, TIR, etc. containing station names, frequencies, and other technical details.

Table with columns: E51A, IGT, IGT, etc. containing station names, frequencies, and other technical details.

VLC	Villacollemand	88.30 329	eP	P	08 31 11.2	-0.3
VLC	comp=Z,2µm,1.6s			LR	LR	
VAM	comp=Z,459µm,20.0s					
VAM	Vamos	88.33 315	P	P	08 31 09.4	-2.3
VAM	Vamos	88.33 315	P	P	08 31 09.4	-2.3
VAM	Vamos	88.33 315	P	P	08 31 09.4	-2.3
KYTH	Kithira	88.34 316	P	P	08 31 09.7	-2.1
KYTH	Kithira	88.34 316	P	P	08 31 09.7	-2.1
JSA	Saint Aubin	86.37 339f	eP	P	08 31 11.7	+0.1
JSA	comp=Z,2µm,1.8s					08 31 16.4
JSA	comp=Z,376µm,22.3s			IAMs_20	IAMs_20	09 11 51.7
IMMV	Iera Mori Meta	88.41 315	P	P	08 31 10.6	-1.5
SSF	Saint Saugle	88.46 334	eP	P	08 31 10.7	-1.4
SSF	comp=Z,811nm,1.5s			pmax	pmax	
AQU	L'Aquila	88.47 326	eP	P	08 31 12.6	+0.3
AQU	comp=Z,7µm,2.0s			LR	LR	
AQU	comp=Z,551µm,20.0s					08 31 12.6 +0.3
AQU	L'Aquila	88.47 326	eP	P	08 31 12.6	+0.3
AQU	comp=Z,7µm,2.0s			pmax	pmax	
AQU	comp=Z,551µm,20.0s					08 31 12.0 -0.3
AQU	L'Aquila	88.47 326	eP	P	08 31 11.8	-1.4
LBSOS	comp=Z,330nm,1.7s			AMB	AMB	08 31 13.1
ANKY	Antikythira Is	88.50 316	P	P	08 31 11.5	-1.0
ANKY	Antikythira Is	88.50 316	P	P	08 31 11.5	-1.0
J49A	Marlette	88.51 32	P	P	08 31 11.0	-1.4
P43A	Skaggs, Pawnee	88.52 38	P	P	08 31 11.6	-0.9
K48A	Perry	88.54 33	P	P	08 31 11.7	-0.9
N45A	Kentland	88.55 37	P	P	08 31 11.8	-0.9
Q42A	Golden Eagle	88.57 40	P	P	08 31 11.9	-0.9
PYL	PYLOS	88.59 317	P	P	08 31 09.7	-3.2
PYL	PYLOS	88.59 317	P	P	08 31 09.7	-3.2
R41A	Rosebud	88.61 40	P	P	08 31 12.1	-0.9
LPL	La Plagne	88.61 332	eP	P	08 31 11.6	-1.6
LPL	comp=Z,224nm,0.7s			pmax	pmax	
O44A	Mansfield	88.64 38	P	P	08 31 11.8	-1.3
M46A	Old House Fiel	88.65 35	eP	P	08 31 13.2	+0.1
M46A	comp=Z,1µm,1.1s			LR	LR	
M46A	comp=Z,122µm,21.0s					08 31 11.9 -1.2
M46A	Old House Fiel	88.65 35	eP	P	08 31 11.9	-1.2
DAMY	Dhamar	88.71 287	eP	P	08 31 15.0	+0.9
DAMY	comp=Z,1µm,1.1s			LR	LR	
DAMY	comp=Z,157µm,20.0s					08 31 12.3 -1.2
L47A	Sherwood	88.72 34	P	P	08 31 12.3	-1.2
HHAR	Hobbs	88.76 43	eP	P	08 31 12.8	-1.0
HHAR	comp=Z,2µm,1.5s			LR	LR	
H52A	Wyevale	88.78 30	P	P	08 31 12.6	-1.1
GVD	Gavdhos	88.81 315	P	P	08 31 12.4	-1.6
GVD	Gavdhos	88.81 315	P	P	08 31 12.4	-1.6
K49A	Clarkson	88.84 33	P	P	08 31 13.0	-1.0
CCM	Cathedral Cave	88.86 41	eP	P	08 31 13.6	-0.6
CCM	comp=Z,2µm,1.1s			LR	LR	
CCM	comp=Z,109µm,20.0s					08 31 13.6 -0.6
CCM	Cathedral Cave	88.86 41	eP	P	08 31 13.6	-0.6
CCM	comp=Z,2µm,1.1s			pmax	pmax	
CCM	comp=Z,109µm,20.0s			MLR	MLR	
CCM	Cathedral Cave	88.86 41	eP	P	08 31 13.3	-0.9
G53A	Haliburton	88.87 29	P	P	08 31 12.5	-1.6
N46A	Monticello	88.88 36	P	P	08 31 12.9	-1.3
O45A	Potomac	88.92 37	P	P	08 31 13.7	-0.7
R42A	Luebbering	88.92 40	P	P	08 31 13.5	-0.9
SLM	Saint Louis	88.93 40	eP	P	08 31 14.7	+0.2
SLM	comp=Z,83µm,20.0s			LR	LR	
SLM	Saint Louis	88.93 40	eP	P	08 31 14.7	+0.2
SLM	comp=Z,2µm,1.1s			pmax	pmax	
SLM	comp=Z,83µm,20.0s			MLR	MLR	
S41A	Jillco Farms,	88.95 41	P	P	08 31 13.4	-1.2
S41A	comp=Z,319µm,25.5s					08 31 14.1 -0.4
SADO	Sadowa	88.97 29	eP	P	08 31 14.1	-0.4
SADO	comp=Z,1µm,1.4s			LR	LR	
SADO	comp=Z,93µm,21.0s					08 31 13.5 -1.2
Q43A	New Douglas	88.97 39	P	P	08 31 13.5	-1.2
I51A	Listowel	89.02 31	P	P	08 31 14.0	-0.9
M47A	Cromwell	89.03 35	P	P	08 31 13.8	-1.0
BNI	Bardonecchia	89.03 33f	eP	P	08 31 15.2	+0.2
BNI	comp=Z,352µm,21.0s			LR	LR	
L48A	N Adams	89.09 34	P	P	08 31 14.0	-1.2
P44A	Sand Creek, WI	89.10 38	P	P	08 31 14.4	-0.8
F55A	Otter Lake	89.11 27	P	P	08 31 13.7	-1.5
SFIN	Lafayette	89.12 37	eP	P	08 31 14.9	-0.4
SFIN	comp=Z,1µm,1.0s			LR	LR	
SFIN	comp=Z,136µm,20.0s					08 31 13.9 -1.4
SFIN	Lafayette	89.12 37	eP	P	08 31 13.9	-1.4
AAM	Ann Arbor	89.14 33	eP	P	08 31 15.9	+0.5
AAM	comp=Z,2µm,1.4s			LR	LR	
AAM	comp=Z,92µm,20.0s					08 31 14.5 -0.9
AAM	Ann Arbor	89.14 33	eP	P	08 31 14.5	-0.9
I52A	Shelburne	89.15 30	P	P	08 31 14.5	-0.9
K50A	Casco	89.20 32	P	P	08 31 14.6	-1.1
X37A	Clayton	89.21 45	eP	P	08 31 15.4	-0.5
X37A	comp=Z,2µm,1.7s			LR	LR	
X37A	comp=Z,99µm,21.0s					08 31 14.3 -1.6
CUC	Castrocuoco	89.23 323	eP	P	08 31 14.3	-1.6
L49A	Milan	89.25 34	P	P	08 31 15.0	-0.9
U40A	Yellville	89.29 43	P	P	08 31 15.1	-1.1
S42A	Caledonia	89.31 40	P	P	08 31 15.3	-1.0
M48A	Edgerton	89.33 34	eP	P	08 31 16.6	+0.3
M48A	comp=Z,2µm,1.3s			LR	LR	
M48A	comp=Z,94µm,21.0s					08 31 15.5 -0.8
M48A	Edgerton	89.33 34	eP	P	08 31 15.5	-0.8
FVM	French Village	89.33 40	eP	P	08 31 15.6	-0.8
FVM	comp=Z,2µm,1.2s			LR	LR	
FVM	comp=Z,102µm,19.0s					08 31 15.6 -0.8
FVM	French Village	89.33 40	eP	P	08 31 15.6	-0.8
FVM	comp=Z,2µm,1.2s			pmax	pmax	
FVM	comp=Z,102µm,19.0s			MLR	MLR	

Q44A	Meyer Farm, Va	89.34 39	P	P	08 31 15.3	-1.1
T41A	Mountain View	89.36 42	P	P	08 31 15.5	-1.1
R43A	Red Bud	89.36 40	P	P	08 31 15.5	-1.0
N47A	Urbana	89.37 35	P	P	08 31 15.4	-1.1
TIP	Timpagrade	89.41 322	eP	P	08 31 15.6	-1.2
TIP	comp=Z,2µm,1.4s			LR	LR	
TIP	comp=Z,406µm,20.0s					08 31 15.8 -1.0
TIP	Timpagrade	89.41 322	eP	P	08 31 15.4	-1.5
G55A	Calabogie	89.47 28	P	P	08 31 17.1	+0.1
P45A	Graceland, Par	89.47 37	eP	P	08 31 15.7	+0.1
P45A	comp=Z,2µm,1.4s			LR	LR	
P45A	comp=Z,118µm,19.0s					08 31 16.1 -0.9
P45A	Graceland, Par	89.47 37	eP	P	08 31 16.1	-0.9
PLVO	Plevna	89.52 28	eP	P	08 31 15.9	-1.2
PLVO	comp=Z,626nm,1.0s			LR	LR	
JCT	comp=Z,66µm,20.0s					08 31 17.4 -0.2
JCT	Junction City	89.54 51	eP	P	08 31 17.4	-0.2
JCT	comp=Z,2µm,1.8s			LR	LR	
JCT	Junction City	89.54 51	eP	P	08 31 17.4	-0.2
JCT	comp=Z,2µm,1.8s			pmax	pmax	
JCT	comp=Z,2µm,1.8s			MLR	MLR	
JCT	comp=Z,141µm,19.0s					08 31 16.8 -0.8
JCT	Junction City	89.54 51	eP	P	08 31 16.8	-0.8
TCF	Toulu Ste Croi	89.57 335	eP	P	08 31 15.5	-1.9
TCF	comp=Z,880nm,1.6s			pmax	pmax	
I53A	Kortright Cn E	89.58 30	P	P	08 31 16.5	-0.9
SSB	Saint Sauveur	89.63 333	eP	P	08 31 17.6	-0.1
SSB	comp=Z,1µm,1.6s			LR	LR	
SSB	comp=Z,241µm,21.0s					08 31 17.3 -0.6
W39A	Magazine	89.65 44	eP	P	08 31 17.0	-0.9
W39A	Magazine	89.65 44	eP	P	08 31 17.0	-0.9
O47A	Sheridan	89.66 36	P	P	08 31 16.8	-1.1
P46A	Rosedale	89.66 37	P	P	08 31 16.9	-1.0
M49A	Liberty Center	89.67 34	P	P	08 31 16.9	-1.0
N48A	Decatur	89.69 35	P	P	08 31 17.1	-0.9
J52A	Paris	89.71 31	P	P	08 31 17.0	-1.1
J52A	comp=Z,326µm,21.0s					08 31 17.9 -0.3
T42A	Van Buren	89.72 41	eP	P	08 31 17.1	-1.1
T42A	comp=Z,90µm,20.0s			LR	LR	
T42A	Van Buren	89.72 41	eP	P	08 31 17.1	-1.1
TRBA	At Turbah	89.75 286f	eP	P	08 31 17.0	-2.0
Q45A	Warren Harvey	89.77 38	P	P	08 31 17.6	-0.8
U41A	Viola	89.80 42	P	P	08 31 17.4	-1.2
R44A	Waltonville	89.81 39	P	P	08 31 17.7	-0.9
S43A	Full River	89.83 40	P	P	08 31 17.7	-1.0
H06S1	SOCORRO T	89.88 66	P	P	08 31 20.3	+1.1
WHTX	Lake Whitney	89.88 48	eP	P	08 31 19.3	+0.3
WHTX	comp=Z,145µm,20.0s			LR	LR	
WHTX	Lake Whitney	89.88 48	eP	P	08 31 17.9	-1.2
H55A	Tweed	89.90 28	P	P	08 31 17.4	-1.5
OLIL	Olney	89.92 38	eP	P	08 31 18.3	-0.8
OLIL	comp=Z,2µm,1.3s			LR	LR	
OLIL	comp=Z,121µm,19.0s					08 31 17.8 -1.5
I55A	Frankford	89.99 29	P	P	08 31 18.3	-1.1
K52A	Tiltsenburg	90.00 31	P	P	08 31 18.3	-1.1
N49A	Columbus Grove	90.03 34	eP	P	08 31 18.9	-0.7
N49A	comp=Z,91µm,20.0s			LR	LR	
N49A	Columbus Grove	90.03 34	eP	P	08 31 18.5	-1.1
Q46A	CEJHS Indians,	90.06 38	P	P	08 31 19.0	-0.7
MFF	Saint Martin d	90.07 336	eP	P	08 31 18.2	-1.5
MFF	comp=Z,393nm,0.8s			pmax	pmax	
T43A	Greenville	90.09 41	P	P	08 31 18.7	-1.2
V41A	Mountainview	90.09 43				

246A	Princeton	91.34	39	P	P	08 31 25.1	-0.6
051A	Pataskala	91.36	34	P	P	08 31 25.0	-0.8
UTMT	University of	91.39	40	eP	P	08 31 25.9	-0.1
W43A	Forest City	91.39	42	P	P	08 31 25.5	-0.5
S47A	Hartford	91.41	38	P	P	08 31 25.3	-0.7
U45A	Rockin P Farm,	91.44	40	P	P	08 31 25.6	-0.6
NCB	Newcomb	91.47	27	eP	P	08 31 25.6	-0.7
NCB	comp=Z,84um,22.0s			LR	LR		
HALT	Halls	91.48	41	eP	P	08 31 26.3	-0.1
HALT	comp=Z,976nm,1.1s			LR	LR		
M54A	Oil Creek Stat	91.49	31	eP	P	08 31 26.3	-0.1
M54A	comp=Z,142um,21.0s			LR	LR		
M54A	Oil Creek Stat	91.49	31	P	P	08 31 25.3	-1.1
Z41A	Richland Creek	91.63	45	eP	P	08 31 27.5	+0.3
Z41A	comp=Z,110um,19.0s			LR	LR		
Z41A	Richland Creek	91.63	45	P	P	08 31 26.9	-0.3
VT1	Waterbury	91.67	26	eP	P	08 31 27.3	+0.2
R49A	Shelbyville	91.68	37	P	P	08 31 26.4	-0.9
NATX	Nacogdoches	91.69	47	eP	P	08 31 28.1	+0.6
NATX	comp=Z,164um,19.0s			LR	LR		
NATX	Nacogdoches	91.69	47	P	P	08 31 27.0	-0.5
P51A	Williamsport	91.69	35	eP	P	08 31 26.8	-0.6
P51A	comp=Z,102um,21.0s			LR	LR		
P51A	Williamsport	91.69	35	P	P	08 31 26.3	-1.1
CCAR	Cane Creek	91.71	44	eP	P	08 31 28.2	+0.7
CCAR	comp=Z,3um,1.2s			LR	LR		
O52A	Adamsville	91.72	33	eP	P	08 31 26.6	-0.8
O52A	comp=Z,106um,20.0s			LR	LR		
O52A	Adamsville	91.72	33	P	P	08 31 26.7	-0.8
U46A	Springville	91.73	40	P	P	08 31 26.5	-1.1
X43A	Marvell	91.73	43	eP	P	08 31 28.0	+0.4
X43A	comp=Z,90um,19.0s			LR	LR		
X43A	Marvell	91.73	43	P	P	08 31 26.8	-0.8
Y42A	Garnett, Star	91.76	44	P	P	08 31 27.1	-0.7
S48A	Wiedeman Farm,	91.76	38	P	P	08 31 26.7	-1.0
T47A	Sharon Grove	91.77	39	eP	P	08 31 27.9	+0.1
T47A	comp=Z,111um,19.0s			LR	LR		
T47A	Sharon Grove	91.77	39	P	P	08 31 26.9	-0.9
ATD	Arta Tunnel	91.78	286	eP	P	08 31 27.8	-0.4
ATD	comp=Z,101um,19.0s			LR	LR		
ATD	Arta Tunnel	91.78	286	iP	P	08 31 30.8	+2.6
ATD	Arta Tunnel	91.78	286	eS	SKSac	08 42 04.2	+5.5
ATD	Arta Tunnel	91.78	286	iP	SKSac	08 42 04.2	+5.5
MET	Memphis--Engin	91.78	42	eP	P	08 31 28.1	+0.3
Q50A	Georgetown	91.79	36	P	P	08 31 26.7	-1.1
V45A	Humboldt	91.81	41	P	P	08 31 26.8	-1.1
N54A	Moraine State	91.81	32	eP	P	08 31 27.9	0.0
N54A	comp=Z,81um,20.0s			LR	LR		
N54A	Moraine State	91.81	32	P	P	08 31 26.8	-1.1
W44A	Shelby Farms P	91.82	42	P	P	08 31 27.4	-0.6
VAE	Valguarnera	91.88	322	P	P	08 31 29.1	+0.7
O51A	Peebles	91.94	35	eP	P	08 31 27.5	-1.0
O51A	comp=Z,143um,21.0s			LR	LR		
O51A	Peebles	91.94	35	P	P	08 31 27.4	-1.0
PKME	Peaks-Kenny Pk	91.97	23	eP	P	08 31 28.6	+0.2
PKME	comp=Z,106um,21.0s			LR	LR		
PKME	Peaks-Kenny Pk	91.97	23	P	P	08 31 27.6	-0.9
P52A	Corning	91.98	34	P	P	08 31 27.4	-1.3
S49A	Springfield	92.03	37	P	P	08 31 27.5	-1.5
T48A	Bowling Green	92.03	38	P	P	08 31 27.8	-1.1
LBNH	Lisbon	92.03	25	eP	P	08 31 28.5	-0.3
LBNH	comp=Z,126um,20.0s			LR	LR		
LBNH	Lisbon	92.03	25	eP	pmax	08 31 28.5	-0.3
LBNH	comp=Z,1um,1.5s			MLR	MLR		
LBNH	Lisbon	92.03	25	P	P	08 31 28.1	-0.8
R50A	Paris	92.08	36	P	P	08 31 28.2	-1.0
WVT	Waverly	92.08	40	eP	P	08 31 29.1	-0.1
WVT	comp=Z,835nm,1.4s			LR	LR		
WVT	Waverly	92.08	40	eP	pmax	08 31 29.1	-0.1
WVT	comp=Z,835nm,1.4s			MLR	MLR		
WVT	Waverly	92.08	40	P	P	08 31 28.2	-1.0
Z42A	Norrel Spur, H	92.09	44	P	P	08 31 28.6	-0.7
U47A	Clarksville	92.11	39	P	P	08 31 28.3	-1.1
X44A	Crenshaw	92.14	42	P	P	08 31 28.7	-0.8
W45A	Hickory Valley	92.14	41	P	P	08 31 28.5	-1.0
Y43A	Makayla and Ka	92.17	43	P	P	08 31 29.0	-0.6
ACCN	Adirondack Com	92.18	27	eP	P	08 31 29.2	-0.4
ACCN	comp=Z,104um,22.0s			LR	LR		
V46A	Holladay	92.19	40	P	P	08 31 28.5	-1.2
HKT	Hockley	92.32	49	eP	P	08 31 30.9	+0.6
HKT	comp=Z,1um,1.9s			LR	LR		
BINY	Binghamton	92.36	29	eP	P	08 31 30.4	0.0
BINY	comp=Z,2um,1.7s			LR	LR		
BINY	Binghamton	92.36	29	P	P	08 31 29.4	-1.1

CLTB	Cattabellotta	92.38	323	eP	P	08 31 29.3	-1.4
CLTB	comp=Z,281nm,1.2s			LR	LR		
HNH	Hanover	92.38	26	eP	P	08 31 30.4	0.0
R51A	Belvidere	92.41	36	P	P	08 31 29.4	-1.3
U48A	Cassie Pea, Po	92.43	39	P	P	08 31 29.9	-0.9
P53A	Whipple	92.43	34	eP	P	08 31 30.0	-0.8
P53A	comp=Z,91nm,1.4s			LR	LR		
P53A	Whipple	92.43	34	P	P	08 31 29.6	-1.2
T49A	Edmonton	92.45	38	eP	P	08 31 30.9	0.0
T49A	comp=Z,90um,20.0s			LR	LR		
T49A	Edmonton	92.45	38	P	P	08 31 30.1	-0.8
Q52A	Bidwell	92.47	34	P	P	08 31 29.9	-1.1
V47A	Nunnely	92.48	40	P	P	08 31 29.7	-1.3
WVW	Waterville	92.48	23	eP	P	08 31 30.8	0.0
Y44A	Strider, Charl	92.52	43	P	P	08 31 30.5	-0.8
OXF	OXF	92.52	42	eP	P	08 31 30.8	-0.5
OXF	comp=Z,2um,1.1s			LR	LR		
OXF	OXford	92.52	42	eP	P	08 31 30.8	-0.5
OXF	comp=Z,76um,20.0s			pmax	pmax		
OXF	OXford	92.52	42	P	P	08 31 30.2	-1.0
Z43A	Armstrong Fami	92.53	44	P	P	08 31 30.7	-0.6
S50A	Richmond	92.53	37	P	P	08 31 30.2	-1.1
W46A	Michie	92.58	41	P	P	08 31 30.9	-0.7
X45A	UM Field Stati	92.60	42	P	P	08 31 30.6	-1.0
LMN	Caledonia Moun	92.72	20	eP	P	08 31 31.6	-0.4
LMN	comp=Z,876nm,1.0s			LR	LR		
TRY	Troy	92.75	27	eP	P	08 31 32.1	-0.1
KVTX	Kingsville	92.79	52	eP	P	08 31 34.0	+1.4
KVTX	comp=Z,1um,1.4s			LR	LR		
U49A	Red Boiling Sp	92.80	38	P	P	08 31 31.6	-0.9
FFD	Franklin Falls	92.81	25	eP	P	08 31 33.3	+0.9
R52A	Cattletubs	92.81	35	P	P	08 31 31.6	-1.0
143A	Soos Landing	92.82	44	eP	P	08 31 32.9	+0.2
143A	comp=Z,106um,19.0s			LR	LR		
143A	Soos Landing	92.82	44	P	P	08 31 32.0	-0.6
MCQ	Macquarie Isla	92.83	171	eP	P	08 31 32.3	+0.5
MCQ	comp=Z,83um,21.0s			LR	LR		
MCQ	Macquarie Isla	92.83	171	eP	pmax	08 31 32.3	+0.5
MCQ	comp=Z,3um,1.8s			MLR	MLR		
GGN	Saint George	92.83	21	eP	P	08 31 32.3	-0.1
GGN	comp=Z,730nm,1.1s			LR	LR		
PLAL	Pickwick Lake	92.85	41	eP	P	08 31 32.2	-0.5
PLAL	comp=Z,773nm,1.4s			LR	LR		
T50A	Nancy	92.85	37	P	P	08 31 31.8	-1.0
W47A	Westpoint	92.89	40	P	P	08 31 31.9	-1.0
V48A	Smith Brothers	92.90	39	eP	P	08 31 32.6	-0.4
V48A	comp=Z,126um,19.0s			LR	LR		
V48A	Smith Brothers	92.90	39	P	P	08 31 32.0	-1.0
X46A	Booneville	92.92	41	P	P	08 31 32.2	-0.9
S51A	Beattyville	92.94	36	eP	P	08 31 32.7	-0.7
S51A	comp=Z,622nm,1.3s			LR	LR		
S51A	Beattyville	92.94	36	P	P	08 31 32.2	-1.0
Y45A	Yeager Farm, C	92.95	42	P	P	08 31 32.4	-0.8
SSPA	Standing Stone	92.95	31	eP	P	08 31 32.3	-0.8
SSPA	comp=Z,618nm,1.3s			LR	LR		
SSPA	Standing Stone	92.95	31	P	P	08 31 32.1	-1.0
MCWV	Mont Chateau	92.96	32	eP	P	08 31 33.5	+0.3
MCWV	comp=Z,415nm,1.3s			LR	LR		
MCWV	Mont Chateau	92.96	32	P	P	08 31 32.3	-0.9
O56A	Blue Knob Stat	92.98	31	eP	P	08 31 33.0	-0.3
O56A	comp=Z,306nm,0.9s			LR	LR		
O56A	Blue Knob Stat	92.98	31	P	P	08 31 32.4	-1.0
KSPA	Keystone Colle	93.00	29	eP	P	08 31 33.1	-0.3
KSPA	comp=Z,777nm,1.4s			LR	LR		
KSPA	Keystone Colle	93.00	29	P	P	08 31 33.1	-0.3
EMMW	East Machias	93.02	22	eP	P	08 31 33.1	-0.3
ZAIG	Zacatecas	93.09	58	eP	P	08 31 35.4	+1.0
ZAIG	comp=Z,931nm,1.4s			LR	LR		
WDD	Wied Dalam	93.13	321	eP	P	08 31 33.6	-0.4
S52A	Saltersville	93.15	36	P	P	08 31 33.1	-1.1
Z45A	Winona	93.25	43	eP	P	08 31 35.2	+0.6
Z45A	comp=Z,2um,1.2s			LR	LR		
Z45A	Winona	93.25	43	P	P	08 31 33.8	-0.8
Y46A	Holton	93.30	42	P	P	08 31 34.1	-0.7
W48A	Pulaski	93.31	40	P	P	08 31 34.1	-0.9
T51A	Gray	93.32	37	P	P	08 31 34.2	-0.7
X47A	Russelville	93.33	41	P	P	08 31 34.4	-0.6
V49A	McMinnville	93.33	39	P	P	08 31 34.7	-0.3
U50A	Jamestown	93.33	38	P	P	08 31 34.7	-0.4
144A	Alexander Plac	93.42	44	P	P	08 31 34.8	-0.6
N59A	State Game Lan	93.54	29	eP	P	08 31 35.8	-0.1
N59A	comp=Z,899nm,1.4s			LR	LR		
N59A	State Game Lan	93.54	29	P	P	08 31 35.0	-0.9
QUA2	Belchertown	93.62	26	eP	P	08 31 35.8	-0.3
T52A	Hallie	93.66	36	P	P	08 31 36.3	-0.2

LNIG	Linares	93.66	55	eP	P	08 31 36.3	-0.4
LNIG	comp=Z,396nm,1.3s			LR	LR		
W49A	Belvidere	93.66	39	P	P	08 31 36.0	-0.5
VBMS	Vicksburg	93.68	44	eP	P	08 31 37.1	+0.5
VBMS	comp=Z,2um,1.5s			LR	LR		
VBMS	Vicksburg	93.68	44	P	P	08 31 36.0	-0.6
HRV	Adam Dziewonski	93.69	26	eP	P	08 31 36.6	+0.2
HRV	comp=Z,811nm,1.4s			LR	LR		
HRV	Adam Dziewonski	93.69	26	eP	pmax	08 31 36.7	+0.2
HRV	comp=Z,95um,20.0s			MLR	MLR		

Table of astronomical observations for 7d 8h, including station names, coordinates, and observation details.

Table of astronomical observations for 2012 DEC, including station names, coordinates, and observation details.

Table of astronomical observations for 286, including station names, coordinates, and observation details.

Table with columns for flight codes (e.g., MJAR, MAJO), destinations (e.g., Matsushiro, Matsu-Tunnel), times, and status indicators (e.g., Sn, Pn).

Table with columns for flight codes (e.g., PETK, PETK), destinations (e.g., Petropavlovsk, Beijing), times, and status indicators (e.g., P, Pn).

Table with columns for flight codes (e.g., ATKA, BILL), destinations (e.g., Atka Island, Bilibino), times, and status indicators (e.g., P, Pn).

7d 8h

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like HLID, FCC, WSAR, ILULI, RYN, etc.

2012 DEC

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like REDW, AJN, DAC, R11A, BGU, NWAQ, etc.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like CCUT, MZR, SZCU, MSU, GMRC, ANGG, etc.

PV12	Saucer Basin, comp=Z,350nm,1.3s	78.88	50	eP	P	08 43 16.1 +2.0
PV03	Paradox Valley	78.89	50	eP	P	08 43 16.3 +2.1
N23A	Red Feather La	78.90	46	eP	P	08 43 16.1 +1.9
N23A	Red Feather La	78.90	46	eP	P	08 43 14.9 +0.7
PHWV	Pilot Hill	78.91	46	eP	P	08 43 15.9 +1.6
PV13	Radium Mtn., P comp=Z,301nm,0.9s	78.97	50	eP	P	08 43 16.6 +2.0
PV02	Paradox Valley	78.99	50	eP	P	08 43 16.7 +2.0
WUAZ	Wupatki	79.05	53	eP	P	08 43 17.0 +1.9
WUAZ	Wupatki	79.05	53	eP	P	08 43 16.2 +1.2
AGMN	Agassiz Nation	79.07	36	eP	P	08 43 15.1 +0.4
AGMN	Agassiz Nation	79.07	36	eP	P	08 43 14.9 +0.2
PV01	Paradox Valley	79.14	50	eP	P	08 43 16.9 +1.4
113A	Mohawk Valley	79.20	57	eP	P	08 43 17.0 +1.4
VRI	Vrincioia	79.32	321	eP	P	08 43 18.4 +2.3
OJC	Ojcow	79.40	327	eP	P	08 43 17.5 +1.0
OJC	Ojcow	79.40	327	eP	P	08 43 17.1 +0.7
SMCO	Snowmass	79.42	48	eP	P	08 43 18.9 +1.6
TIRR	Tirgusot	79.44	319	eP	P	08 43 17.2 +0.5
TIRR	Tirgusot	79.44	319	eP	P	08 43 17.2 +0.5
UZH	Uzhgorod	79.47	325	eP	P	08 43 19.6 +2.8
X16A	Lo Mia Camp, P comp=Z,85nm,0.9s	79.70	54	eP	P	08 43 20.4 +1.9
BR101	Keskin Array S	79.74	313	eP	P	08 43 19.0 +0.3
BR101	Keskin Array S	79.74	313	eP	P	08 46 20.4 +1.0
BR131	Keskin Array S	79.74	313	eP	P	08 43 20.0 +1.4
BRTR	Keskin Array B	79.74	313	eP	P	08 43 19.0 +0.3
BRTR	Keskin Array B	79.74	313	eP	P	08 46 20.4 +1.0
BRTR	Keskin Array B	79.74	313	eP	P	08 43 22.7 +4.0
MVCO	Mesa Verde	79.77	51	eP	P	08 43 20.7 +1.7
MVCO	Mesa Verde	79.77	51	eP	P	08 43 19.8 +0.8
ISCO	Idaho Springs	79.81	47	eP	P	08 43 20.9 +1.7
ISCO	Idaho Springs	79.81	47	eP	P	08 43 19.9 +0.6
MLR	Muntele Rosu	79.98	321	eP	P	08 43 21.0 +1.2
MLR	Muntele Rosu	79.98	321	eP	P	08 43 20.7 +0.8
MLR	Muntele Rosu	79.98	321	eP	P	08 43 20.7 +0.8
ANTO	Ankara	80.13	313	eP	P	08 43 21.5 +0.8
ANTO	Ankara	80.13	313	eP	P	08 43 21.5 +0.8
BR231	Keskin MP Arra	80.16	313	eP	P	08 43 22.2 +1.3
BIGH	Upper Bighouse	80.26	344	eP	P	08 43 21.4 +0.5
SUSD	Miller	80.30	40	eP	P	08 43 21.8 +0.3
MLA1	Latheron	80.31	343	eP	P	08 43 22.3 +1.1
214A	Organ Pipe Nat	80.34	57	eP	P	08 43 22.9 +1.0
LANS	Liptovska Anna	80.34	327	eP	P	08 43 23.3 +1.7
LANS	Liptovska Anna	80.34	327	eP	P	08 43 23.2 +1.6
LANS	Liptovska Anna	80.34	327	eP	P	08 46 39.4 +1.5
W18A	Petrified Fore	80.34	53	eP	P	08 43 23.9 +1.8
W18A	Petrified Fore	80.34	53	eP	P	08 43 22.9 +0.9
OKC	Ostrava-Krasne	80.39	328	eP	P	08 43 22.6 +0.8
OKC	Ostrava-Krasne	80.39	328	eP	P	08 43 22.6 +0.8
KECS	Kecovo	80.39	326	eP	P	08 43 21.2 -0.6
KECS	Kecovo	80.39	326	eP	P	08 43 21.2 -0.6
S22A	4UR Ranch, Cre	80.44	49	eP	P	08 43 24.5 +1.8
S22A	4UR Ranch, Cre	80.44	49	eP	P	08 43 24.2 +1.5
TAU	Tasmania Unive	80.50	177	eP	P	08 43 23.8 +1.6
TAU	Tasmania Unive	80.50	177	eP	P	08 43 23.8 +1.7
LTVH	L'Av'ites,	80.56	324	eP	P	08 43 25.2 +2.5
X18A	Snowflake	80.56	54	eP	P	08 43 24.9 +1.6
DRGR	Divide	80.61	323	eP	P	08 43 23.9 +0.7
Q24A	Divide	80.63	48	eP	P	08 43 25.1 +1.4
Q24A	Divide	80.63	48	eP	P	08 43 24.3 +0.6
RSC	Scourie	80.67	344	eP	P	08 43 24.2 +1.1
MORC	Moravsky Berou	80.69	328	eP	P	08 43 24.4 +1.0
MORC	Moravsky Berou	80.69	328	eP	P	08 43 24.4 +1.0
MORC	Moravsky Berou	80.69	328	eP	P	08 43 24.5 +1.0
MORC	Moravsky Berou	80.69	328	eP	P	08 43 23.9 +0.5
DPC	Dobruska-Polom	80.75	329	eP	P	08 43 25.0 +1.2
DPC	Dobruska-Polom	80.75	329	eP	P	08 43 25.0 +1.2
UPC	Upice	80.75	329	eP	P	08 43 24.9 +1.1
UPC	Upice	80.75	329	eP	P	08 43 24.9 +1.1
MCD	Coleburn Disti	80.94	343	eP	P	08 43 25.4 +0.9
NRS	Narsarsuaq	80.98	5	eP	P	08 43 24.7 +0.0
OGNE	Ogallala	81.07	44	eP	P	08 43 26.8 +1.1
OGNE	Ogallala	81.07	44	eP	P	08 43 26.2 +0.4
PSZ	Piszkesteto	81.08	326	eP	P	08 43 26.2 +0.6
PSZ	Piszkesteto	81.08	326	eP	P	08 43 26.7 +1.1
PSZ	Piszkesteto	81.08	326	eP	P	08 43 26.2 +0.6
VYHS	Vyhne	81.11	327	eP	P	08 43 26.9 +1.2
VYHS	Vyhne	81.11	327	eP	P	08 43 26.9 +1.2
HIZ	Hautti	81.22	156	eP	P	08 43 28.4 +2.3
SDCO	Great Sand Dun	81.23	49	eP	P	08 43 28.5 +1.6
SDCO	Great Sand Dun	81.23	49	eP	P	08 43 27.7 +0.8
KOLL	Kolacno	81.23	327	eP	P	08 43 27.5 +1.2
KOLL	Kolacno	81.23	327	eP	P	08 43 27.5 +1.2
RRR	Rubha Reidh	81.29	344	eP	P	08 43 26.9 +0.6
BRG	Berggiesshubel	81.29	331	eP	P	08 43 27.3 +0.7
BRG	Berggiesshubel	81.29	331	eP	P	08 43 42.8
BRG	Berggiesshubel	81.29	331	eP	P	08 46 31.3 -0.3
BRG	Berggiesshubel	81.29	331	eP	P	08 53 34.0 -0.7
BRG	Berggiesshubel	81.29	331	eP	P	08 46 31.3
BRG	Berggiesshubel	81.29	331	eP	P	08 53 34.0 -0.7

BRG	comp=Z,75nm,1.4s					
CLL	Collm	81.30	331	eP	P	08 43 26.7 0.0
CLL	Collm	81.30	331	eP	P	08 43 26.8 +0.2
CLL	Collm	81.30	331	eP	P	08 43 42.0 +1.6
CLL	Collm	81.30	331	eP	P	08 44 02.0
CLL	Collm	81.30	331	eP	P	08 46 19.0
CLL	Collm	81.30	331	eP	P	08 46 34.0 +2.3
CLL	Collm	81.30	331	eP	P	08 43 26.8 +0.2
CLL	Collm	81.30	331	eP	P	08 43 42.0
PVCC	Panska Ves	81.31	330	eP	P	08 43 27.9 +1.2
PVCC	Panska Ves	81.31	330	eP	P	08 43 27.9 +1.2
EYMN	Ely	81.31	34	eP	P	08 43 26.9 +0.1
EYMN	Ely	81.31	34	eP	P	08 43 26.9 +0.1
MDO	Dochfour	81.32	343	eP	P	08 43 27.2 +0.6
JAVC	Velka Javorina	81.33	327	eP	P	08 43 29.0 +2.1
RRH	Rhenigladie	81.39	345	eP	P	08 43 27.9 +1.0
VRAC	Vranov	81.44	328	eP	P	08 43 28.6 +1.2
VRAC	Vranov	81.44	328	eP	P	08 43 28.7 +1.2
TUC	Tucson	81.45	56	eP	P	08 43 29.6 +1.7
TUC	Tucson	81.45	56	eP	P	08 43 28.0 +0.9
TUC	Tucson	81.45	56	eP	P	08 43 28.0 +0.9
KAC	Achnashellach	81.47	344	eP	P	08 43 28.2 +0.8
KPL	Plockton	81.70	344	eP	P	08 43 29.1 +0.6
KPL	Plockton	81.70	344	eP	P	08 43 32.9
SMOL	Smolence	81.70	327	eP	P	08 43 30.4 +1.6
SMOL	Smolence	81.70	327	eP	P	08 43 30.4 +1.6
GOPC	GO Pecny, Ondr	81.71	330	eP	P	08 43 29.9 +1.0
GOPC	GO Pecny, Ondr	81.71	330	eP	P	08 43 29.9 +1.0
KRUC	Moravy	81.72	328	eP	P	08 43 29.9 +1.0
PRA	Prague	81.73	330	eP	P	08 43 30.0 +1.1
PRA	Prague	81.73	330	eP	P	08 43 30.0 +1.1
PRU	Pruhonice	81.75	330	eP	P	08 43 30.0 +1.0
PRU	Pruhonice	81.75	330	eP	P	08 43 45.7 +2.9
BUD	Budapest	81.79	326	eP	P	08 43 30.0 +1.0
SRO	Srobarova	81.85	326	eP	P	08 43 31.4 +2.1
SRO	Srobarova	81.85	326	eP	P	08 43 31.0 +1.4
MODS	Modra-Piesok	81.87	327	eP	P	08 43 30.3 +0.5
MODS	Modra-Piesok	81.87	327	eP	P	08 43 30.3 +0.5
MODS	Modra-Piesok	81.87	327	eP	P	08 43 30.3 +0.5
TREC	Trest	81.91	329	eP	P	08 43 30.8 +0.9
TREC	Trest	81.91	329	eP	P	08 43 46.5 +2.8
TREC	Trest	81.91	329	eP	P	08 43 30.8 +0.9
ECSD	EROS Data Cent	81.99	40	eP	P	08 43 30.9 +0.5
ECSD	EROS Data Cent	81.99	40	eP	P	08 43 30.5 0.0
ECSD	EROS Data Cent	81.99	40	eP	P	08 43 30.5 0.0
KSC0	Kaye Shedlock	82.06	46	eP	P	08 43 32.0 +1.0
KSC0	Kaye Shedlock	82.06	46	eP	P	08 43 30.9 -0.2
RAYN	Ar Rayn	82.14	294	eP	P	08 43 31.8 +0.2
RAYN	Ar Rayn	82.14	294	eP	P	08 43 31.8 +0.2
RAYN	Ar Rayn	82.14	294	eP	P	08 43 32.1 +0.5
RAYN	Ar Rayn	82.14	294	eP	P	08 43 31.8 +0.2
INVG	Invergeidic, C	82.17	343	eP	P	08 43 31.9 +0.8
INVG	Invergeidic, C	82.17	343	eP	P	08 43 34.5
T25A	Trinidad	82.28	49	eP	P	08 43 33.6 +1.2
T25A	Trinidad	82.28	49	eP	P	08 43 33.1 +0.7
E38A	The Farm, Brul	82.30	35	eP	P	08 43 32.4 +0.4
E38A	The Farm, Brul	82.30	35	eP	P	08 43 31.3 -0.7
BKZ	Black Stump Fm	82.34	155	eP	P	08 43 31.5 -0.6
MOX	Moxa	82.36	332	eP	P	08 43 33.1 +0.8
NKC	Nova Kostel	82.37	331	eP	P	08 43 33.1 +0.8
NKC	Nova Kostel	82.37	331	eP	P	08 43 34.9 +1.7
LAZ	Ladron	82.43	52	eP	P	08 43 33.3 +0.4
F37A	Hinrichs Farm,	82.47	36	eP	P	08 43 35.4 +1.9
ANMO	Albuquerque	82.50	51	eP	P	08 43 35.1 +1.6
ANMO	Albuquerque	82.50	51	eP	P	08 43 35.1 +1.6
ANMO	Albuquerque	82.50	51	eP	P	08 43 35.1 +1.6
F38A	Pierce - Schro	82.64	36	eP	P	08 43 35.0 +0.8
ASF	Jabal al Asfar	82.65	305	eP	P	08 43 35.0 +0.8
ASF	Jabal al Asfar	82.65	305	eP	P	08 43 35.6 +1.1
LENM	Lemitar	82.69	52	eP	P	08 43 35.1 +1.0
SOP	Sopron	82.71	327	eP	P	08 43 36.2 +1.6
PMOR	Pomarioiro Ree	82.73	115	eP	P	08 43 34.4 0.0
SPMN	Marine on St.	82.75	37	eP	P	08 43 34.4 0.0
SPMN	Marine on St.	82.75	37	eP	P	08 43 35.6 +0.6
LPM	Los Pinos Moun	82.81	52	eP	P	08 43 36.1 +1.0
KHC	Kasperske Hory	82.81	330	eP	P	08 43 35.8 +1.2
KHC	Kasperske Hory	82.81	330	eP	P	08 43 35.5 +0.8
KHC	Kasperske Hory	82.81	330	eP	P	08 43 35.5 +0.8
KHC	Kasperske Hory	82.81	330	eP	P	08 43 35.5 +0.5
ISP	Isparta	82.82	313	eP	P	08 43 35.5 +0.5
ISP	Isparta	82.82	313	eP	P	08 43 35.5 +0.5
CONA	Conrad Observa	82.82	328	eP	P	08 43 36.3 +1.6
PGBU	Glenfibrbraes	82.83	343	eP	P	08 43 35.8 +1.2
PGBU	Glenfibrbraes	82.83	343	eP	P	08 43 38.8
BGNE	Belgrade	82.86	42	eP	P	08 43 34.8 -0.2
BGNE	Belgrade	82.86	42	eP	P	08 43 35.2 +0.2
BNM	Barren Site	82.92	52	eP	P	08 43 37.2 +1.4
E39A	Melton	82.92	35	eP	P	08 43 35.1 -0.2
MORH	M'hr'jgy, Hung	82.92	325	eP	P	08 43 35.3 +0.1
MORH	M'hr'jgy, Hung	82.92	325	eP	P	08 43 35.3 +0.1
EKA	Eskdalemuir Ar	82.94	342	eP	P	08

G42A	Mountain	84.75	34	eP	P	08 43 44.9 +0.3
G42A	Mountain	84.75	34	P	P	08 43 44.8 +0.2
MYKE	Pjjevlja	84.76	323	jP	P	08 43 45.9 +1.0
PYLE	Terra Mystica	84.78	328	eP	P	08 43 44.8 0.0
UCC	Uccle	84.78	336	P	P	08 43 44.9 +0.3
I40A	Norwalk	84.79	36	P	P	08 43 44.6 -0.2
CWF	Charnwood Fore	84.79	340	eP	P	08 43 44.6 -0.1
BCLA	Claviv	84.79	335	P	P	08 43 44.9 +0.2
STU	Stuttgart	84.80	332	eP	P	08 43 45.2 +0.4
STU	Stuttgart	84.80	332	eP	P	08 43 45.2 +0.4
OXZ	Oxford	84.80	160	eP	P	08 43 46.5 +1.9
F43A	Flat Rock Esc	84.84	33	P	P	08 43 44.8 -0.2
I4U	Berane	84.86	322	jP	P	08 43 46.3 +1.0
LJU	Ljubljana	84.86	327	jP	P	08 43 45.2 0.0
RPZ	Rata Peaks	84.89	161	P	P	08 43 45.2 +0.2
RPZ	Rata Peaks	84.89	161	P	P	08 43 47.3 +2.3
I41A	Arkdale	85.01	36	eP	P	08 43 46.6 +0.7
I41A	Arkdale	85.01	36	P	P	08 43 45.2 -0.7
WPMI	Penmaenmawr	85.01	341	eP	P	08 43 46.1 +0.3
SCIA	State Center	85.03	39	eP	P	08 43 47.0 +0.9
SCIA	State Center	85.03	39	P	P	08 43 45.9 -0.1
PVY	Play	85.04	332	jP	P	08 43 47.8 +1.5
F44A	Big Bay de Noc	85.05	324	jP	P	08 43 45.8 -0.2
WATA	Walderalm	85.05	330	eP	P	08 43 46.9 +0.6
SNF	Seneffe	85.06	335	jP	P	08 43 46.3 +0.3
G43A	Wallace	85.06	34	P	P	08 43 47.0 +0.8
G43A	Wallace	85.06	34	P	P	08 43 45.8 -0.3
KOME	Kolasin	85.06	322	jP	P	08 43 47.0 +0.7
K39A	Delwein	85.08	38	P	P	08 43 45.9 -0.4
WTTA	Wattenberg	85.09	330	ePcP	P	08 43 47.2 +0.7
UPM	Unac-Piva	85.09	323	jP	P	08 43 46.6 0.0
UPM	Unac-Piva	85.09	323	jP	P	08 43 46.4 -0.2
J40A	Soldiers Grove	85.11	37	P	P	08 43 46.5 +0.1
WLF1	Lynfaes	85.11	342	eP	Iamb	08 43 46.0 -0.2
WLF1	Lynfaes	85.11	342	eP	Iamb	08 43 49.4
WLF	Walferdange	85.14	334	eP	P	08 43 48.6 +2.1
WLF	Walferdange	85.14	334	eP	P	08 43 47.5 +1.0
WLF	Walferdange	85.14	334	jP	P	08 43 47.3 +0.8
BLA	Abfaltersbach	85.15	329	eP	P	08 43 46.7 0.0
CEY	Cerknica	85.15	327	jP	P	08 43 46.5 -0.1
FOEL	Foel Wyfla	85.16	341	eP	Iamb	08 43 47.7 +1.2
FOEL	Foel Wyfla	85.16	341	eP	Iamb	08 43 50.0
YLL	Llanberis	85.19	341	eP	P	08 43 47.2 +0.7
YRC	Rhoscolyn	85.19	342	eP	P	08 43 48.1 +1.5
MOTA	Mosalm	85.23	330	eP	P	08 43 47.8 +0.6
RETA	Reutte	85.25	330	ePcP	P	08 43 48.2 +1.0
E45A	Wooded Hills	85.26	32	P	P	08 43 47.2 +0.1
H42A	Shiocton	85.27	35	eP	P	08 43 47.6 +0.4
H42A	Shiocton	85.27	35	P	P	08 43 46.7 -0.5
SQTA	Sankt Quirin	85.29	330	eP	P	08 43 47.9 +0.4
LBZ	Lake Benmore	85.30	161	eP	P	08 43 47.9 +0.9
D46A	Sault Ste. Mari	85.30	31	P	P	08 43 47.2 -0.1
DOU	Dourbes	85.31	335	P	P	08 43 46.8 -0.5
KSU1	Kansas State U	85.33	43	P	P	08 43 48.0 +0.4
KSU1	Kansas State U	85.33	43	P	P	08 43 47.8 +0.2
NKY	Niksic	85.34	323	jP	P	08 43 48.1 +0.3
CPRX	Cap Rock	85.38	51	eP	P	08 43 49.0 +0.9
NKME	Niksic	85.40	323	jP	P	08 43 48.1 +0.1
MSTX	Muleshoe	85.41	50	P	P	08 43 49.3 +1.0
MSTX	Muleshoe	85.41	50	P	P	08 43 48.4 +0.2
AMTX	Amarillo	85.43	49	eP	P	08 43 49.9 +1.5
AMTX	Amarillo	85.43	49	P	P	08 43 49.0 +0.6
K40A	Colesburg	85.45	37	P	P	08 43 48.1 0.0
R1Y	Rijeka	85.45	327	jP	P	08 43 47.6 -0.5
TRI	Trieste	85.46	327	eP	P	08 43 48.0 -0.1
TRI	Trieste	85.46	327	eP	P	08 43 48.0 -0.1
L39A	Vinton	85.47	38	P	P	08 43 48.4 +0.1
J41A	Loganville	85.47	36	P	P	08 43 48.2 0.0
BFO	Black Forest	85.48	332	eP	P	08 43 48.9 +0.7
BFO	Black Forest	85.48	332	eP	P	08 43 48.9 +0.7
BRY	Bratogost	85.49	323	jP	P	08 43 48.4 -0.1
BRY	Bratogost	85.49	323	jP	P	08 43 48.2 -0.3
PDG	Podgorica	85.51	322	jP	P	08 43 48.8 +0.4
TTG	Podgorica	85.51	322	jP	P	08 43 49.5 +1.2
TTG	Podgorica	85.51	322	eP	P	08 43 49.1 +0.7
D47A	Chapleau	85.54	30	P	P	08 43 47.8 -0.7
EIL	Eilat	85.54	304	P	P	08 43 50.0 +1.2
I42A	Draeger Farm	85.58	35	eP	P	08 43 49.2 +0.5
I42A	Draeger Farm	85.58	35	P	P	08 43 48.3 -0.5
CEME	Cervo	85.58	323	jP	P	08 43 49.8 +0.9
DCZ	Deep Cove	85.60	164	eP	P	08 43 48.8 +0.3
E46A	Sault Ste. Mari	85.61	31	P	P	08 43 49.1 +0.2
LIT	Litokhoron	85.62	319	eP	P	08 43 49.0 -0.1
LIT	Litokhoron	85.62	319	eP	P	08 43 49.0 -0.1
DSB	Dublin	85.63	343	eP	P	08 43 49.9 +1.1
GD2L	Guadalupe Moun	85.63	52	eP	P	08 43 50.9 +1.5
H43A	Windswept, Lux	85.64	34	P	P	08 43 50.1 +1.0
H43A	Windswept, Lux	85.64	34	P	P	08 43 49.1 +0.1
FETA	Felchten	85.64	330	iPcP	P	08 43 50.0 +0.8
F45A	CMU Biological	85.66	32	P	P	08 43 49.5 +0.4
FNA	Florina	85.69	320	eP	P	08 43 50.1 +0.6
JFWS	Jewell Farm	85.71	37	eP	P	08 43 49.9 +0.5
JFWS	Jewell Farm	85.71	37	eP	P	08 43 49.9 +0.5
JFWS	Jewell Farm	85.71	37	P	P	08 43 49.7 +0.2

MLZ	Mavora Lakes	85.72	163	eP	P	08 43 49.7 +0.6
DRME	Dracevica, Mon	85.72	322	jP	P	08 43 50.4 +0.9
DRME	Dracevica, Mon	85.72	322	jP	P	08 43 50.0 +0.5
DAVA	Damueli	85.76	331	ePcP	P	08 43 50.4 +0.5
BUM	Brajci-Budva	85.78	322	jP	P	08 43 50.4 +0.5
HCY	Herceg Novi	85.86	323	jP	P	08 43 51.0 +0.8
HCY	Herceg Novi	85.86	323	jP	P	08 43 49.8 -0.4
M39A	Webster	85.87	39	P	P	08 43 52.0 +1.7
STRD	Stroud	85.89	340	eP	Iamb	08 43 51.0 +0.9
L40A	Anamosa	85.89	38	eP	P	08 43 50.9 +0.5
L40A	Anamosa	85.89	38	P	P	08 43 50.3 0.0
F46A	Macinaw City C	85.91	32	P	P	08 43 51.0 +0.6
STON	Ston	85.91	324	jP	P	08 43 49.7 -0.7
K41A	Shullsburg	85.92	37	P	P	08 43 50.2 -0.3
MCH1	Michaelchurch	85.92	340	eP	Iamb	08 43 51.0 +0.7
MCH1	Michaelchurch	85.92	340	eP	Iamb	08 43 52.8
J42A	Columbus	85.92	36	P	P	08 43 49.5 -1.0
I43A	Langenfeld Bro	85.93	35	P	P	08 43 50.9 +0.4
U32A	Winter Ranch,	85.95	46	eP	P	08 43 51.9 +1.1
D48A	Paudash Townsh	85.95	29	P	P	08 43 50.0 -0.6
E47A	Iron Bridge	85.96	31	P	P	08 43 50.6 0.0
HMXN	Herstmonceux	85.98	338	eP	Iamb	08 43 52.0 +1.4
HMXN	Herstmonceux	85.98	338	eP	Iamb	08 43 55.1
MONM	Monmouth	86.01	340	eP	Iamb	08 43 50.7 0.0
MONM	Monmouth	86.01	340	eP	Iamb	08 43 53.2
ECH	Echery	86.01	333	eP	P	08 43 51.2 +0.4
ECH	Echery	86.01	333	eP	P	08 43 51.3 +0.4
D49A	Beulah Townsh	86.04	29	P	P	08 43 50.3 -0.7
G45A	Suttons Bay	86.11	33	P	P	08 43 51.6 +0.2
FUORN	Ofenpass-Fuorn	86.16	330	eP	P	08 43 52.8 +0.9
PYZ	Puysegur Point	86.16	164	eP	P	08 43 52.5 +1.2
DAVOX	Davos Dischmat	86.18	330	P	P	08 43 52.7 +0.7
APE	Apeiranthos	86.18	315	jP	P	08 43 52.2 +0.2
APE	Apeiranthos	86.18	315	jP	P	08 43 51.8 -0.1
J43A	Natural Harms	86.20	35	P	P	08 43 51.9 -0.1
G46A	Potosky	86.23	32	P	P	08 43 51.9 -0.1
L41A	Preston	86.23	37	P	P	08 43 51.7 -0.3
K42A	Prairie Point,	86.23	36	P	P	08 43 51.6 -0.5
M40A	Post Highland	86.25	38	P	P	08 43 52.0 -0.1
H45A	Beulah	86.28	33	P	P	08 43 52.1 -0.1
RSBS	Rosebush, Pemb	86.41	341	eP	Iamb	08 43 53.5 +0.8
RSBS	Rosebush, Pemb	86.41	341	eP	Iamb	08 43 53.5
AGG	Agios Georgios	86.50	318	eP	P	08 43 54.7 +1.2
AGG	Agios Georgios	86.50	318	eP	P	08 43 54.7 +1.2
N40A	Mertquale, Sal	86.61	39	P	P	08 43 53.5 -0.4
TUE	Stuetta	86.64	330	eP	P	08 43 54.7 +0.5
I45A	Fountain	86.66	34	P	P	08 43 53.7 -0.4
L42A	Oliver, Polo	86.68	37	eP	P	08 43 54.6 +0.4
L42A	Oliver, Polo	86.68	37	P	P	08 43 54.1 -0.2
D50A	G1974 Best Tow	86.71	28	P	P	08 43 53.6 -0.7
H46A	Five Lake	86.71	33	P	P	08 43 53.4 -0.9
GLMI	Graying	86.73	32	eP	P	08 43 55.6 +1.1
GLMI	Graying	86.73	32	eP	P	08 43 53.9 -0.5
F48A	Evansville	86.74	31	P	P	08 43 53.8 -0.7
M41A	Milan	86.74	38	P	P	08 43 54.4 -0.2
K43A	Burlington	86.76	36	eP	P	08 43 55.1 +0.5
K43A	Burlington	86.76	36	eP	P	08 43 54.0 -0.6
G47A	Hillman	86.77	32	P	P	08 43 54.1 -0.5
VLD0	Val d'Or	86.77	26	eP	P	08 43 53.8 -0.8
D51A	Lot 18 Range I	86.94	28	P	P	08 43 55.1 -0.3
L43A	Garden Prairie	86.98	36	P	P	08 43 55.9 +0.2
E50A	Waipapaitae	86.99	29	P	P	08 43 55.1 -0.6
F49A	Sandfield	87.02	30	P	P	08 43 55.3 -0.5
M42A	Sheffield	87.06	37	P	P	08 43 56.1 0.0
J45A	Montague	87.07	34	P	P	08 43 55.9 -0.2
I46A	Reed City	87.08	33	P	P	08 43 56.4 +0.2
H47A	Mio	87.08	32	P	P	08 43 56.8 +0.6
N41A	Harden Midland	87.10	38	P	P	08 43 56.2 -0.1
WMOK	Wichita Moun	87.24	47	eP	P	08 43 58.0 +0.8
WMOK	Wichita Moun	87.24	47	eP	P	08 43 58.0 +0.8
WMOK	Wichita Moun	87.24	47	eP	P	08 43 57.1 -0.1
TBI	Tubuai	87.29	122	eP	P	08 43 59.2 +1.9
E51A	1948 Merrick	87.37	28	P	P	08 43 56.9 -0.6
H48A	Harrisville	87.37	32	P	P	08 43 57.3 -0.2
L44A	Lake County Fo	87.37	36	P	P	08 43 57.4 -0.2
D52A	ZEK Kipawa Sen	87.39	27	P	P	08 43 56.6 -1.0
N42A	Yates City	87.41	38	P	P	08 43 57.8 0.0
I47A	Gladwin	87.42	33	P	P	08 43 57.3 -0.5
M43A	Waltham Townsh	87.46	37	P	P	08 43 57.1 -0.9
J46A	Howard City	87.47	34	P	P	08 43 57.4 -0.6
SENIN	Lac Senin/Sane	87.51	332	eP	P	08 43 59.1 +0.6
O41A	Sierra La Lagu	87.54	39	P	P	08 43 58.7 +0.3
SLBS	Sierra La Lagu	87.55	62	eP	P	08 44 00.8 +2.0
D53A	Lac Vache, P	87.56	27	P	P	08 43 57.7 -0.7
I48A	Sherman Twp	87.63	32	P	P	08 43 59.1 +0.3
F51A	Arnstein	87.71	29	P	P	08 43 59.4 +0.3
P41						

FVM	comp=Z,174nm,1.1s	89.39	40	eP	P	08 44 08.7 +1.4
FVM	French Village					
TCF	comp=Z,174nm,1.1s	89.40	335	eP	P	08 44 07.1 -0.1
TCF	Toulx Ste Croi					
N47A	comp=Z,96nm,1.1s	89.41	35	P	P	08 44 07.2 -0.1
T41A	Mountain View	89.42	41	P	P	08 44 07.4 0.0
R43A	Red Bud	89.42	39	P	P	08 44 07.6 +0.3
SSB	comp=Z,35nm,0.9s	89.45	333	eP	P	08 44 08.2 +0.7
SSB	Saint Sauveur	89.45	333	eP	P	08 44 08.2 +0.7
SSB	Saint Sauveur					
G55A	comp=Z,35nm,0.9s	89.48	27	P	P	08 44 07.7 +0.2
P45A	Graceland, Par	89.52	37	eP	P	08 44 08.4 +0.6
P45A	Graceland, Par	89.52	37	P	P	08 44 08.2 +0.4
PLVO	Plevna	89.53	28	eP	P	08 44 08.2 +0.4
I53A	Kortright Cn E	89.60	30	P	P	08 44 08.5 +0.4
JCT	Junction City	89.64	51	eP	P	08 44 09.3 +0.7
JCT	Junction City	89.64	51	eP	P	08 44 09.3 +0.7
JCT	comp=Z,59nm,0.8s	89.64	51	P	P	08 44 09.0 +0.4
O47A	Sheridan	89.70	36	P	P	08 44 08.7 +0.1
M49A	Libert Center	89.71	34	P	P	08 44 09.0 +0.3
P46A	Rosedale	89.71	37	P	P	08 44 09.3 +0.6
W39A	Magazine	89.72	44	eP	P	08 44 09.5 +0.7
W39A	Magazine	89.72	44	P	P	08 44 08.9 +0.1
N48A	Decatur	89.73	35	P	P	08 44 09.3 +0.5
J52A	Paris	89.75	31	P	P	08 44 09.2 +0.4
T42A	Van Buren	89.78	41	eP	P	08 44 09.8 +0.8
T42A	Van Buren	89.78	41	P	P	08 44 09.3 +0.3
Q45A	Warren Harvey,	89.82	38	P	P	08 44 09.2 0.0
U41A	Viola	89.86	42	P	P	08 44 09.2 -0.3
R44A	Waltonville	89.87	39	P	P	08 44 09.7 +0.3
S43A	Fulton Ridge,	89.89	40	P	P	08 44 09.7 +0.1
MFF	Saint Martin d	89.90	336	eP	P	08 44 09.4 -0.1
MFF	MFF					
H55A	comp=Z,85nm,0.7s	89.91	28	P	P	08 44 09.8 +0.2
WHTX	Lake Whitney,	89.97	48	eP	P	08 44 11.3 +1.3
WHTX	Lake Whitney,	89.97	48	eP	P	08 44 10.7 +0.7
OLIL	Olney	89.97	38	eP	P	08 44 11.1 +1.1
I55A	Frankford	90.01	29	P	P	08 44 10.0 0.0
K52A	Tilsonburg	90.02	31	P	P	08 44 10.8 +0.7
N49A	Columbus Grove	90.06	34	eP	P	08 44 11.3 +1.0
N49A	Columbus Grove	90.06	34	P	P	08 44 10.5 +0.2
Q46A	CEJHS Indians,	90.10	37	P	P	08 44 11.1 +0.5
T43A	Greenlee	90.15	40	P	P	08 44 10.9 +0.1
O48A	Farmland	90.16	35	P	P	08 44 10.7 -0.1
V41A	Mountainview	90.16	42	P	P	08 44 10.9 0.0
M50A	Fremont	90.17	33	eP	P	08 44 11.9 +1.0
M50A	Fremont	90.17	33	P	P	08 44 10.6 -0.3
S44A	Carbondale	90.21	39	P	P	08 44 11.6 +0.5
SIUC	Southern Illin	90.21	39	eP	P	08 44 11.9 +0.9
H56A	Elgin	90.21	27	P	P	08 44 10.9 0.0
U42A	Reviden	90.22	41	P	P	08 44 11.1 0.0
R45A	Skyler, Fairri	90.23	38	P	P	08 44 11.8 +0.7
P47A	Martinsville	90.26	36	P	P	08 44 11.7 +0.5
PBMO	Poplar Bluff	90.31	41	eP	P	08 44 12.5 +0.9
MIAR	Mount Ida	90.32	44	eP	P	08 44 12.6 +1.0
MIAR	Mount Ida	90.32	44	eP	P	08 44 12.6 +1.0
MIAR	Mount Ida	90.32	44	P	P	08 44 12.1 +0.5
BLO	Bloomington	90.39	37	eP	P	08 44 12.9 +1.0
BLO	Bloomington	90.39	37	eP	P	08 44 12.9 +1.0
BLO	Bloomington					
WHAR	Woolly Hollow	90.46	43	eP	P	08 44 12.8 +0.5
T44A	Benton	90.51	40	P	P	08 44 12.6 +0.1
V42A	Cord	90.55	42	P	P	08 44 12.6 -0.1
S45A	Carrier Mills	90.56	39	P	P	08 44 12.1 -0.6
W41B	Gary Mavity, V	90.57	43	eP	P	08 44 13.5 +0.7
W41B	Gary Mavity, V	90.57	43	P	P	08 44 12.5 -0.2
O49A	Covington	90.59	35	eP	P	08 44 13.3 +0.6
O49A	Covington	90.59	35	P	P	08 44 13.2 +0.4
M51A	Elyria	90.60	33	P	P	08 44 13.1 +0.3
Q47A	Bedord North L	90.62	37	P	P	08 44 13.7 +0.8
U43A	Rector	90.64	41	P	P	08 44 13.1 0.0
CAF	Calviac	90.64	334	eP	P	08 44 13.3 +0.3
CAF	CAF					
N50A	Nevada	90.64	34	P	P	08 44 13.5 +0.4
R46A	Gilbon Southern	90.67	38	P	P	08 44 12.8 -0.3
P48A	Milroy	90.67	36	P	P	08 44 12.9 -0.2
PARMO	Parma	90.75	40	eP	P	08 44 14.7 +1.2
435B	Jarrell	90.76	49	eP	P	08 44 14.7 +0.9
435B	Jarrell	90.76	49	P	P	08 44 13.9 +0.1
X40A	Basin Creek Fa	90.77	44	eP	P	08 44 14.9 +1.2
X40A	Basin Creek Fa	90.77	44	P	P	08 44 14.0 +0.3
LONY	Lake Ozonia	90.79	26	eP	P	08 44 13.9 +0.2
LONY	Lake Ozonia	90.79	26	P	P	08 44 13.0 -0.7
UALR	University of	90.82	43	eP	P	08 44 15.0 +1.0
N51A	Ashland	90.86	33	P	P	08 44 14.2 +0.1
ERPA	Erie	90.87	31	eP	P	08 44 15.2 +1.1

ERPA	Erie	90.87	31	P	P	08 44 14.3 +0.2
W42A	Bald Knob	90.89	42	P	P	08 44 14.4 +0.2
U44A	Portsville	90.91	40	P	P	08 44 14.9 +0.6
X41A	Kaden, Bauxite	90.94	43	P	P	08 44 15.2 +0.7
P49A	Miami Univ, Ec	90.94	35	P	P	08 44 14.2 -0.3
O50A	Cable	90.94	34	P	P	08 44 14.3 -0.2
FRNY	Flat Rock	90.95	26	eP	P	08 44 15.3 +1.0
Q48A	North Vernon	90.95	36	P	P	08 44 15.3 +0.8
MOQ	Mont Orford	90.98	25	eP	P	08 44 15.6 +1.1
S46A	Don Dixon Farm	90.98	38	P	P	08 44 15.0 +0.4
V43A	Jonesboro	91.01	41	P	P	08 44 15.7 +0.8
T45A	Paducah	91.04	39	P	P	08 44 14.9 0.0
BATG	Bathurst New B	91.06	20	eP	P	08 44 15.8 +1.0
PQI	Presque Isle	91.07	21	eP	P	08 44 15.4 +0.5
R47A	Wor Knot Far	91.08	37	P	P	08 44 15.3 +0.2
LF	La Freestone	91.08	335	eP	P	08 44 16.0 +1.0
LF	LF					
HBAR	Harrisburg	91.13	42	eP	P	08 44 16.8 +1.5
GNAR	Gosnell	91.15	41	eP	P	08 44 18.4 +2.9
ACSO	Alum Creek Sta	91.16	34	eP	P	08 44 16.4 +1.0
ACSO	Alum Creek Sta	91.16	34	P	P	08 44 15.7 +0.3
DRLN	Deer Lake	91.16	14	eP	P	08 44 18.1 +2.9
MMNY	Mt. Morris Dam	91.18	29	eP	P	08 44 16.9 +1.4
U44B	Burton Farm, H	91.21	40	P	P	08 44 16.3 +0.5
WCI	Wyandotte Cave	91.24	37	eP	P	08 44 16.9 +1.1
WCI	Wyandotte Cave	91.24	37	eP	P	08 44 16.9 +1.1
WCI	Wyandotte Cave	91.24	37	P	P	08 44 16.1 +0.2
Q49A	Aurora	91.28	36	P	P	08 44 16.1 0.0
GLAT	Glass	91.29	40	eP	P	08 44 17.7 +1.6
P50A	Jamestown	91.30	35	P	P	08 44 16.5 +0.4
R48A	Northridge Ran	91.31	37	P	P	08 44 16.8 +0.6
V44A	Blytheville	91.32	41	P	P	08 44 17.5 +1.3
Y41A	Eaglet Beard	91.35	44	P	P	08 44 15.9 -0.5
X42A	Stuttgart	91.38	43	P	P	08 44 17.3 +0.7
O51A	Pataskala	91.39	34	P	P	08 44 16.9 +0.4
T46A	Princeton	91.39	39	P	P	08 44 17.0 +0.4
833A	Chaparral WMA,	91.40	52	P	P	08 44 17.7 +0.9
W43A	Forest City	91.46	42	P	P	08 44 17.2 +0.3
S47A	Hartford	91.46	38	P	P	08 44 17.8 +0.9
NCB	Newcomb	91.48	26	eP	P	08 44 18.1 +1.2
U45A	Rockin P Farm,	91.50	40	P	P	08 44 17.3 +0.2
M54A	Oil Creek Stat	91.51	31	eP	P	08 44 18.1 +1.0
M54A	Oil Creek Stat	91.51	31	P	P	08 44 17.2 +0.1
ATD	Arta Tunnel	91.56	286	P	P	08 44 18.6 +0.9
ATD	Arta Tunnel	91.56	286	P	P	08 44 19.6 +1.8
VT1	Waterbury	91.67	25	eP	P	08 44 18.8 +1.1
Z41A	Richland Creek	91.71	44	eP	P	08 44 20.2 +2.1
Z41A	Richland Creek	91.71	44	P	P	08 44 17.9 -0.2
R49A	Shelbyville	91.72	37	P	P	08 44 18.6 +0.5
P51A	Williamsport	91.73	34	eP	P	08 44 18.9 +0.8
P51A	Williamsport	91.73	34	P	P	08 44 18.1 0.0
O52A	Adamsville	91.75	33	eP	P	08 44 18.6 +0.4
O52A	Adamsville	91.75	33	P	P	08 44 17.8 -0.5
NATX	Nacogdoches	91.77	47	P	P	08 44 18.9 +0.5
CCAR	Cane Creek	91.78	43	eP	P	08 44 20.3 +1.9
U46A	Springville	91.79	40	P	P	08 44 18.8 +0.4
X43A	Marvel	91.80	42	eP	P	08 44 19.7 +1.2
X43A	Marvel	91.80	42	P	P	08 44 18.9 +0.4
S48A	Wiedeman Farm,	91.81	37	P	P	08 44 18.5 0.0
T47A	Sharon Grove	91.83	39	eP	P	08 44 19.6 +1.0
T47A	Sharon Grove	91.83	39	P	P	08 44 18.5 -0.1
Y42A	Garnett, Star	91.83	43	P	P	08 44 19.0 +0.3
Q50A	Georgetown	91.83	35	P	P	08 44 18.7 +0.1
N54A	Moraine State	91.84	32	eP	P	08 44 19.2 +0.6
N54A	Moraine State	91.84	32	P	P	08 44 18.8 +0.2
V44A	Humboldt	91.87	40	P	P	08 44 18.9 +0.1
W44A	Shelby Farms P	91.89	41	P	P	08 44 18.7 -0.2
PKME	Peaks-Kenny Pk	91.96	23	eP	P	08 44 20.1 +1.1
PKME	Peaks-Kenny Pk	91.96	23	P	P	08 44 18.6 -0.4
Q51A	Peebles	91.97	35	eP	P	08 44 20.4 +1.1
Q51A	Peebles	91.97	35	P	P	08 44 19.7 +0.4
P52A	Corning	92.02	34	P	P	08 44 19.6 +0.1
LBNH	Lisbon	92.03	25	eP	P	08 44 23.4 +4.0
LBNH	Lisbon	92.03	25	P	P	08 44 20.1 +0.7
S49A	Springfield	92.08	37	P	P	08 44 20.2 +0.5
T48A	Bowling Green	92.08	38	P	P	08 44 19.8 +0.1
R50A	Paris	92.13	36	P	P	08 44 2

7d 8h

Table with columns: Call Sign, Frequency, Power, Mode, and Name. Includes stations like V51A Loudon, W50A Signal Mountai, HAL Halifax, etc.

2012 DEC

Table with columns: Call Sign, Frequency, Power, Mode, and Name. Includes stations like 152A Waverly Hall, GOGA Godfrey, Y54A Trignall, etc.

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Table with columns: Call Sign, Frequency, Power, Mode, and Name. Includes stations like NNA Pitinga, PTGA Pitinga, SNAA Sanae, etc.

Table with columns: Code, Station Name, Az, El, S, P, Sn, Pn, Time, Res, ISC. Includes stations like Otama, Ryogami san, Erimo, Matsushiro Arr, etc.

JMA 07 08:36:30.3, 0.2, 37.82N, 143.73E, h43km, M4.3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, S, P, Sn, Pn, Time, Res, ISC. Includes stations like Ishinomakikobu, Ouri, Kesennumamotoy, etc.

JMA 07 08:36:48.7, 0.2, 37.76N, 143.60E, h49km, M4.6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, S, P, Sn, Pn, Time, Res, ISC. Includes stations like Ishinomakikobu, Ouri, Kesennumamotoy, etc.

JMA 07 08:39:15.9, 0.2, 37.86N, 143.59E, h48km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, S, P, Sn, Pn, Time, Res, ISC. Includes stations like Ishinomakikobu, Ouri, Kesennumamotoy, etc.

IDC 07 08:39:48.1, 2.2, 37.71N, 143.96E, h0km, mb4.2/2, mb1 4.1/6, mb1mx3.9/7.1, mbtmp4.1/6, ML3.9/3, Error ellipse: s-maj=1.1km s-min=27.2km az=87.0

ISCJB 07 08:39:51.0, 0.9, 37.75N, 143.71E, 0.07, h33km, mb4.2/2, Error ellipse: s-maj=7.5km s-min=5.2km az=3.0

JMA 07 08:39:53.0, 0.2, 37.81N, 143.60E, h33km, M4.2, Error ellipse: s-maj=12.9km s-min=9.1km az=120.0

ISC 07 08:39:53.5, 1.4, 37.80N, 143.70E, 0.1, h35km, n19, 4158/25, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, S, P, Sn, Pn, Time, Res, ISC. Includes stations like Ishinomakikobu, Ouri, Kesennumamotoy, etc.

IDC 07 08:41:07.4, 0.8, 37.78N, 143.77E, h0km, mb4.2/13, mb1 4.3/17, mb1mx4.1/7.0, mbtmp4.2/17, ML4.1/3, Error

ellipse: s-maj=20.2km s-min=18.9km az=81.0, ISCJB 07 08:41:09.7, 1.4, 37.88N, 143.64E, 0.104, h28km, 10km, mb4.5/21, Error ellipse: s-maj=6.1km s-min=4.9km az=175.0

MOS 07 08:41:09.5, 1.4, 37.88N, 143.73E, h27km, mb4.8/2, Error ellipse: s-maj=11.6km s-min=8.4km az=94.5

JMA 07 08:41:10.6, 0.1, 37.88N, 143.61E, h48km, M4.2, NEIC 07 08:41:13.0, 0.8, 37.80N, 143.71E, h35km, mb4.7/9, Error ellipse: s-maj=7.5km s-min=5.5km az=103.0

ISC 07 08:41:11.6, 3.9, 37.94N, 143.63E, 0.06, h25km, 28km, 173, 4177/86, mb4.4/21, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, S, P, Sn, Pn, Time, Res, ISC. Includes stations like Ishinomakikobu, Ouri, Kesennumamotoy, etc.

USA08 USSuriysk Arra 10.78 309 ePn Pn 08 43 46.5 +2.2

USRK USSuriysk Arra 10.78 309 ePn Pn 08 43 47.4 +0.5

KSRs Korea Array 12.45 273 Pn Pn 08 44 08.8 +1.7

KS15 Wonju Array Be 12.48 273 ePn Pn 08 44 10.6 +3.0

KS16 Wonju Array Be 12.48 273 ePn Pn 08 44 10.6 +3.0

KS17 Wonju Array Be 12.48 273 ePn Pn 08 44 10.6 +3.0

KLK Kul'dur 14.17 327 Pn Pn 08 44 29.5 -1.0

TPUB Ta-pu 24.50 240 eP P 08 46 29.1 +0.1

WAKE Wake Island 27.34 126 eP P 08 46 53.7 -0.9

SONA1 Songino Array 28.76 302 eP P 08 47 08.9 +1.6

SONA2 Songino Array 28.77 302 eP P 08 47 08.5 +1.2

SONM Songino Array 28.77 302 eP P 08 47 08.5 +1.2

ZAA1 Zalesovo Array 42.61 312 eP P 08 49 08.2 +2.7

ZALV Zalesovo Beam 42.62 312 eP P 08 49 08.2 +2.7

MK01 Makanchi Array 45.13 302 eP P 08 49 26.6 +0.7

MK31 Makanchi Array 45.13 302 eP P 08 49 26.8 +0.9

MK31 Makanchi Array 45.13 302 eP P 08 49 26.8 +0.9

MK32 Makanchi Array 45.13 302 eP P 08 49 26.4 +0.5

MKAR Makanchi Array 45.13 302 eP P 08 49 26.4 +0.5

MKAR Makanchi Array 45.13 302 eP P 08 49 27.1 +1.2

MKAR Makanchi Array 45.13 302 eP P 08 49 27.1 +1.2

MKAR Makanchi Array 45.13 302 eP P 08 49 27.1 +1.2

KURK Kurchatov Arra 46.78 308 eP P 08 49 40.1 +1.5

KURB Kurchatov Arra 46.84 308 eP P 08 49 40.1 +1.5

ILAR Eielson Array 47.78 313 P P 08 49 47.3 +0.9

BVAR Borovoye Array 51.27 312 P P 08 50 14.2 +1.1

INK Inuvik 52.77 28 eP P 08 50 24.9 +0.8

INK Inuvik 52.77 28 eP P 08 50 25.2 +1.2

INK Inuvik 52.77 28 eP P 08 50 25.3 +1.2

WRAB Tennant Creek 58.22 190 eP P 08 51 02.2 -1.6

WRAB Tennant Creek 58.22 190 eP P 08 51 02.2 -1.6

WB2 Warramunga Arr 58.23 190 eP P 08 51 02.6 -1.3

WR1 Warramunga Arr 58.23 190 eP P 08 51 02.3 -1.5

WRA Warramunga Arr 58.23 190 eP P 08 51 02.3 -1.5

ABKAR Abkulak array 58.70 310 eP P 08 51 07.7 +0.8

AS31 Alice Springs 61.96 190 eP P 08 51 28.4 -1.0

ASAR Alice Springs 61.96 190 eP P 08 51 27.8 -1.6

FLAO FINES Array S 68.82 333 eP P 08 52 12.6 -0.8

FLAO FINES Array S 68.82 333 eP P 08 52 12.6 -0.8

FLAO FINES Array S 68.82 333 eP P 08 52 12.6 -0.8

FORT Forrest 69.90 194 eP P 08 52 19.9 -0.3

AK06 Malin Array Be 74.64 323 P P 08 52 48.6 +0.1

BWAS Boulder Array Be 74.64 323 P P 08 52 56.5 +0.9

PDAR Pinedale Array 75.77 47 eP P 08 52 56.1 +0.5

PDAR Pinedale Array 75.77 47 eP P 08 52 56.7 +1.1

LTX Lajitas 88.17 54 eP P 08 54 08.8 +0.1

LTX Lajitas Array 88.17 54 eP P 08 54 00.8 0.0

JMA 07 08:44:19.7, 0.1, 38.07N, 143.47E, h4km, M3.2, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, S, P, Sn, Pn, Time, Res, ISC. Includes stations like Ishinomakikobu, Ouri, Kesennumamotoy, etc.

IDC 07 08:44:37.2, 2.2, 37.56N, 143.90E, h0km, mb3.8/3, mb1 3.9/7, mb1mx3.7/69, mbtmp3.9/7, ML3.6/4, Error ellipse: s-maj=45.8km s-min=26.4km az=85.0

ISCJB 07 08:44:41.6, 0.7, 37.60N, 143.58E, 0.106, h33km, mb4.0/4, Error ellipse: s-maj=7.4km s-min=5.3km az=175.3

NEIC 07 08:44:43.5, 0.8, 37.53N, 143.69E, h35km, mb4.2/1, Error ellipse: s-maj=12.9km s-min=7.7km az=109.0

JMA 07 08:44:44.4, 0.4, 0.4, 37.69N, 143.44E, h44km, M3.3, ISC 07 08:44:43.4, 1.4, 37.59N, 143.58E, 0.1, h35km, n28, 443/32, mb4.0/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, S, P, Sn, Pn, Time, Res, ISC. Includes stations like Ishinomakikobu, Ouri, Kesennumamotoy, etc.

IDC 07 08:45:33.0, 0.9, 38.01N, 144.02E, h0km, mb4.0/9, mb1 4.1/13, mb1mx3.9/69, mbtmp4.0/13, ML3.5/4, Error ellipse: s-maj=23.0km s-min=18.8km az=84.0

ISCJB 07 08:45:35.6, 0.4, 38.27N, 144.03E, 0.143, h33km, mb4.3/15, Error ellipse: s-maj=4.8km s-min=4.0km az=26.7

JMA 07 08:45:35.6, 0.2, 38.31N, 144.02E, h21km, M4.1, NEIC 07 08:45:38.0, 0.6, 38.15N, 143.91E, h35km, mb4.6/6, Error ellipse: s-maj=12.9km s-min=9.1km az=120.0

ISC 07 08:45:38.2, 0.8, 38.20N, 144.02E, 0.07, h35km, n52, 4236/64, mb4.3/15, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, S, P, Sn, Pn, Time, Res, ISC. Includes stations like Ishinomakikobu, Ouri, Kesennumamotoy, etc.

INU Inuyama 6.13 244 ePn Pn 08 47 06.8 +0.6

USRK USSuriysk Arra 10.78 309 ePn Pn 08 48 10.0 +0.9

KSRs Korea Array 12.45 273 Pn Pn 08 48 35.3 +0.9

KSAR Wonju Array Be 12.60 271 ePn Pn 08 48 35.3 +0.5

SONA2 Songino Array 28.74 302 eP P 08 51 36.3 +4.0

SONM Songino Array 28.74 302 eP P 08 51 36.3 +4.0

SPIA Saint Pauls Is 35.44 42 eP P 08 52 28.1 -2.7

ZAA1 Zalesovo Array 42.54 311 eP P 08 53 32.3 +2.2

ZALV Zalesovo Beam 42.54 311 eP P 08 53 32.3 +2.2

MK01 Makanchi Array 45.10 302 eP P 08 53 53.5 +2.6

MK31 Makanchi Array 45.10 302 eP P 08 53 53.5 +2.7

MK32 Makanchi Array 45.10 302 eP P 08 53 52.8 +1.9

MKAR Makanchi Array 45.10 302 eP P 08 53 53.5 +2.6

TRF Thorofore Moun 46.01 35 eP P 08 53 58.9 +0.9

KURK Kurchatov Arra 46.70 308 eP P 08 54 06.8 +3.4

KURB Kurchatov Arra 46.78 307 eP P 08 54 06.8 +2.8

PAX Paxson 48.20 35 eP P 08 54 12.8 -2.2

INK Inuvik 52.49 28 eP P 08 54 47.8 +0.7

INK Inuvik 52.49 28 eP P 08 54 48.2 +1.0

WRAB Tennant Creek 58.50 190 eP P 08 55 31.2 +0.3

WB2 Warramunga Arr 58.51 190 eP P 08 55 30.7 -0.2

WR1 Warramunga Arr 58.51 190 eP P 08 55 30.2 -0.7

WRA Warramunga Arr 58.51 190 eP P 08 55 30.2 -0.7

WCS Warramunga Arr 58.52 190 eP P 08 55 32.2 +1.2

ASAR Alice Springs 62.23 190 eP P 08 55 55.7 -0.7

FLAO FINES Array S 68.85 333 eP P 08 56 37.3 -0.1

FLAO FINES Array S 68.85 333 eP P 08 56 37.3 -0.1

PDAR Pinedale Array 75.70 47 eP P 08 57 19.4 +0.3

IDC 07 08:48:09.2, 0.3, 37.78N, 143.74E, h0km, mb4.9/41,

mb1 5.0/49,mb1mx4.9/73,mbtmp4.9/49,ML4.2/8, Error ellipse: s-maj=10.7km s-min=9.4km az=101.0
 ISCJB 07 08:48:10.6:0.9,37.86N:02:143.60E:0.02, h14km,5km, s-b5/3/305,MS6.2/1, Error ellipse: s-maj=3.4km s-min=2.2km az=158.9
 JMA 07 08:48:11.2:0.2,37.89N:143.67E, h46km,MS.1 JMA Felt J1
 MOS 07 08:48:12.4:1.0,38.02N:143.63E, h24km, mb5.5/59, Error ellipse: s-maj=6.5km s-min=4.5km az=97.7
 NEIC 07 08:48:13.0:0.9,37.83N:143.61E, h20km±6km, mb5.5/231, Error ellipse: s-maj=3.0km s-min=2.0km az=137.0
 NEIC Recorded (1 JMA) in Miyagi
 BUJ 07 08:48:16.7,38.07N:143.01E, h33km, mb5.3/57,MB5.7/3, MS5.7/7, MS7.5/46
 ISC 07 08:48:13.3:0.6,37.88N:02:143.68E:0.04, h24km,4km, n752,±133/72,mb5.4/305,11C-2D, Off east coast of Honshu

Code	Station Name	A°	AZ°	Phase ID	Time	Res
JJKH	Ishinomakikobu	1.80	285	Op	Pn	08 48 40.7
JJIO	Ouri	1.93	288	Op	Pn	08 48 42.5
JKMT	Kesennumamotoy	1.97	299	P	Sn	08 48 43.0
JKMT				S	Pn	08 49 06.2
OFUJ	Ofunato	1.98	300	Op	Sn	08 48 43.2
OFUJ				eS	Pn	08 49 06.2
JJKM	Ichinoseki	2.21	308	Op	Pn	08 48 46.2
JOM	Ohasama	2.46	311	Op	Pn	08 48 50.0
JOM				S	Pn	08 49 18.7
NJT	Otama	2.68	263	P	Pn	08 48 53.6
JFT				eS	Pn	08 49 24.2
JHNO	Hitachi	2.79	244	P	Pn	08 48 53.5
JKEY	Kaneyama	2.81	293	Op	Pn	08 49 18.4
JYK				eS	Pn	08 49 28.4
JANG	Nango	3.01	327	P	Pn	08 48 56.9
JANG				eS	Pn	08 49 30.4
JSB	Shibao	3.13	254	P	Pn	08 49 00.4
JNS	Sasagawa	3.46	236	P	Pn	08 49 05.0
JAW	Asa shima	3.54	281	P	Pn	08 49 06.2
JAG	Ashikaga	3.68	248	P	Pn	08 49 06.8
JKT	Katashina	3.70	254	P	Pn	08 49 09.2
JHK	Hiroka	3.76	262	P	Pn	08 49 08.5
TOK	Tokyo	3.83	236	P	Pn	08 49 09.7
BSOT	Boso 1	3.89	215	P	Pn	08 49 08.2
BSO4	Boso 4	4.05	224	P	Pn	08 49 11.3
JOT	Ohata	4.39	331	P	Pn	08 49 12.9
ERM	Erimo	4.15	355	ePn	Pn	08 49 13.9
ERM				eS	Pn	08 49 58.5
ERM	Erimo	4.15	355	eP	Pn	08 49 13.9
ERM				eS	Pn	08 49 58.5
JGK	Kuni	4.23	253	P	Pn	08 49 16.4
JRY	Ryogangi san	4.25	246	Op	Pn	08 49 14.5
JRY				S	Pn	08 50 02.2
JSD	Sado	4.29	274	P	Pn	08 49 16.0
JOD	Odawara 2	4.53	236	P	Pn	08 49 18.4
MJAR	Matsushiro Arr	4.57	255	Pn	Pn	08 49 20.0
MJAR	50nm,0.3s,baz=83,slow=14,SNR=132			S	Pn	08 50 11.7
MJAR	9.3nm,0.3s,baz=214,slow=27,SNR=4.3			S	Pn	08 49 21.2
MAJO	Matsushiro	4.57	255	ePn	Pn	08 50 11.7
MAJO				eS	Pn	08 50 11.7
MAJO	Matsushiro	4.57	255	eP	Pn	08 49 21.3
MAJO				e	Pn	08 50 11.7
MAT	Matsushiro	4.57	255	P	Pn	08 49 21.3
WIAT				S	Pn	08 50 12.4
MAT	Matsushiro	4.57	255	P	Pn	08 49 21.3
MJB8	Matsu-Tunnel	4.57	255	ePn	Pn	08 49 21.3
JNG	Nsakai	4.69	253	P	Pn	08 49 22.3
JYN	Shimob	4.76	242	P	Pn	08 49 22.7
JNT	Takato	4.87	247	P	Pn	08 49 24.9
JZS	Izushimoda	5.00	261	P	Pn	08 49 26.1
JTAY	Tatey	5.22	258	P	Pn	08 49 30.8
SHZ3	Shizuoka 3	5.23	239	P	Pn	08 49 29.8
JNY	Yasuok	5.31	244	P	Pn	08 49 31.6
JGN	Niukaw	5.35	254	P	Pn	08 49 31.7
JGF	Kuroka	5.56	248	P	Pn	08 49 34.4
JYZW	Yoshiwawa	5.59	241	P	Pn	08 49 34.1
HMMJ	Hamamatsu 2	5.68	240	P	Pn	08 49 36.0
JHJ2	Mitsune	5.71	215	ePn	Pn	08 49 34.5
JHJ2	Mitsune	5.71	215	P	Pn	08 49 34.4
JHJ	Hachioji jima 2	5.71	215	P	Pn	08 49 34.2
JHJ	38nm,0.3s,baz=336,slow=19,SNR=23			S	Pn	08 50 34.0
JHJ	143nm,0.3s,baz=73,slow=19,SNR=7.2			S	Pn	08 49 37.3
JA0	Obara	5.79	245	P	Pn	08 49 37.3
INU	Inuyama	5.92	247	ePn	Pn	08 49 38.8
JJA	Atsumi	6.20	240	P	Pn	08 49 43.0
ASAJ	Asahikawa	6.29	353	Pn	Pn	08 49 43.1
ASAJ	17nm,0.3s,baz=199,slow=12,SNR=19			S	Pn	08 50 51.0
ASAJ	8.2nm,0.3s,baz=229,slow=19,SNR=7.7			S	Pn	08 49 44.3
ASAJ	Asahikawa	6.29	353	ePn	Pn	08 50 51.0
ASAJ				S	Pn	08 50 51.0
ASAJ	Yuzh-Kuril'sk	6.37	14c	iP	S	08 50 56.4
YUK				iS	Pn	08 49 42.3
YUK				S	Pn	08 50 49.3
YUK	comp=N,197nm,0.2s			pmx	pmx	
YUK	comp=E,118nm,0.2s			pmx	pmx	
YUK				pmx	pmx	
SHO	Shikotan	6.44	21	eP	Pn	08 49 44.3
SHO				iS	Pn	08 50 51.9
SHO	comp=Z,192nm,0.6s			pmx	pmx	
SHO	comp=N,168nm,0.4s			pmx	pmx	
SHO				pmx	pmx	
JFM	comp=E,135nm,0.3s			pmx	pmx	
JFM	Mihamo	6.61	252	P	Pn	08 49 49.0
TSUJ	Tsu 2	6.66	244	P	Pn	08 49 49.6
JKN2	Miekiokoku	7.01	241	P	Pn	08 49 53.9
KUR	Kuril'sk	7.99	22	eP	Pn	08 50 06.0
KUR				iS	Pn	08 51 30.0
KUR				pmx	pmx	
KUR	comp=E,47nm,0.5s			pmx	pmx	
KUR	comp=Z,160nm,0.5s			pmx	pmx	
KUR				pmx	pmx	
TEY	Ternel	8.90	326f	eP	Pn	08 50 20.5
TEY				pmx	pmx	
TEY	comp=Z,600nm,0.8s			pmx	pmx	
TEY	comp=N,600nm,0.8s			pmx	pmx	
TEY	comp=E,500nm,0.8s			pmx	pmx	
YSS	Yuzh-Sakhalins	9.10	356	ePn	Pn	08 50 22.2
YSS				eS	Pn	08 50 21.3
YSS				eS	Pn	08 51 58.9
YSS				pmx	pmx	
YSS	comp=Z,120nm,0.8s			pmx	pmx	
CBJ1	Chichi jima	10.83	187	ePn	Pn	08 50 42.1
US08	Ussuriysk Arra	10.85	309	ePn	Pn	08 50 47.1
USR1	Ussuriysk Ar	10.85	309	Pn	Pn	08 50 47.7
UGL	Uglegorsk	11.26	355	P	Pn	08 50 44.5
UGL				eS	Pn	08 52 58.6
UGL				smx	smx	
UGL	comp=N,297nm,1.7s			MLR	MLR	
UGL	comp=N,85nm,13.0s			MLR	MLR	
UGL	comp=Z,121nm,13.0s			MLR	MLR	
UGL	comp=E,120nm,15.0s			MLR	MLR	
JNU	Nakatsue	11.46	249	Pn	Pn	08 50 54.2
JNU	comp=E,1.6nm,0.3s,baz=56,slow=8.3,SNR=26			Pn	Pn	08 50 54.7
KSRS	Korea Arry	12.50	273	Pn	Pn	08 51 10.7
KSRS	comp=Z,2.2nm,0.3s,baz=86,slow=13,SNR=68			Pn	Pn	08 51 11.1
KS01	Wonju Array Si	12.52	273	ePn	Pn	08 51 11.0
KS15	Wonju Array Si	12.53	273	ePn	Pn	08 51 11.0
KSAR	Wonju Array Be	12.53	273	Pn	Pn	08 51 10.7
KSAR	Wonju Array Be	12.53	273	Pn	Pn	08 51 10.7
MDJ	Mudanjiang	12.55	307	P	Pn	08 51 10.6
MDJ				pmx	pmx	
MDJ	comp=E,110nm,1.1s			ePn	Pn	08 51 10.5
MDJ	Mudanjiang	12.55	307	Pn	Pn	08 51 30.8
KLR	Kul'dur	14.25	327	Pn	Pn	08 51 30.8

KLR	comp=E,2.3nm,0.3s,baz=131,slow=12,SNR=57			Pn	Pn	08 51 30.6
CN2	Kul'dur	14.25	327	iP	Pn	08 51 41.2
CN2	Changchun	15.00	299	eP	Pn	08 51 40.1
CN2				pmx	pmx	
JOW	Kunigami	17.03	234	Pn	Pn	08 52 09.2
JOW	comp=E,0.4nm,0.3s,baz=58,slow=14,SNR=4.7			Pn	Pn	08 52 09.4
JOW	Kunigami	17.03	234	ePn	Pn	08 52 09.4
JOW	comp=E,53nm,1.0s			Pn	Pn	08 52 11.7
DL2	Dalian	17.32	280	P	Pn	08 52 11.7
DL2				pmx	pmx	
PEA0B	Petropavlovsk-	18.07	28	eP	P	08 52 24.4
PEA0B	comp=E,150nm,0.7s			P	P	08 52 24.4
PETK	Petropavlovsk-	18.07	28	ePn	P	08 52 23.1
PETK	comp=E,0.9nm,0.3s,baz=212,slow=8.2,SNR=11			P	P	08 52 23.1
PEA1	Petropavlovsk-	18.07	28	ePn	P	08 52 23.6
PEA1	comp=E,0.9nm,0.3s,baz=212,slow=8.2,SNR=11			P	P	08 52 23.1
ZEA	Zeya	19.49	330	eP	P	08 52 35.2
ZEA				pmx	pmx	
ZEA	comp=N,210nm,0.8s			pmx	pmx	
ZEA	comp=E,120nm,0.8s			pmx	pmx	
ZEA	comp=E,147nm,1.4s			pmx	pmx	
HIA	Hailar	20.65	311	eP	P	08 52 48.1
HIA	comp=Z,360nm,0.8s			pmx	pmx	
HIA	Hailar	20.65	311	eP	P	08 52 48.1
HIA	comp=Z,64nm,0.8s			pmx	pmx	
NJ2	Nanjing	21.13	261	eP	P	08 52 55.9
NJ2	comp=Z,64nm,0.8s			pmx	pmx	
NBJ	Beijing	21.47	284	P	P	08 52 57.4
NBJ	comp=Z,19nm,0.7s			pmx	pmx	
BJ1				pmx	pmx	
BJ1	comp=Z,25nm,0.9s			pmx	pmx	
BJT	Baijiautau	21.48	284	eP	P	08 52 57.2
BJT	comp=Z,59nm,0.9s			pmx	pmx	
BJT	Baijiautau	21.48	284	eP	P	08 52 57.2
BJT	comp=Z,197nm,0.9s			pmx	pmx	
MA2	Magadan	22.19	10	iP	P	08 53 08.0
MA2	comp=Z,59nm,0.7s,baz=185,slow=11,SNR=5.5			pmx	pmx	
MA2	Magadan	22.19	10	iP	P	08 53 05.6
MA2	comp=Z,16nm,0.7s			pmx	pmx	
YHNB	Yeheng	23.10	242	eP	P	08 53 15.6
YHNB	comp=Z,146nm,1.7s			pmx	pmx	
NACB	Ninganchiao	23.27	240	eP	P	08 53 17.8
NACB	comp=Z,146nm,1.7s			pmx	pmx	
SSLB	Suanguang	23.96	241	eP	P	08 53 24.3
SSLB	comp=Z,33nm,0.7s			pmx	pmx	
YULB	Yu-li	23.99	239	eP	P	08 53 25.6
YULB	comp=Z,166nm,1.7s			pmx	pmx	
TPUB	Ta-pu	24.51	240	eP	P	08 53 29.9
TPUB	comp=Z,79nm,0.8s			pmx	pmx	
YAK	Yinlang	24.52	239	eP	P	08 53 30.3
YAK	comp=Z,195nm,0.9s			pmx	pmx	
TIY	Taiyuan	24.64	279	eP	P	08 53 31.8
HHC	Hu-ho-hao-te	24.93	287	eP	P	08 53 35.3
WHN	Wuhan	25.27	262	eP	P	08 53 36.2
CIT	Chita	25.36	314	eP	P	08 53 37.6
CIT				pmx	pmx	
CIT	comp=Z,481nm,2.7s			pmx	pmx	
SEY	Seymchan	25.64	9	P	P	08 53 42.8
SEY	comp=Z,54nm,0.8s,baz=172,slow=6.4,SNR=12			pmx	pmx	
SEY	Seymchan	25.64	9	iP	P	08 53 41.9
YAK	Yakutsk	25.68	345	eP	P	08 53 40.7
YAK				eS	P	08 53 53.4
YAK				S	P	08 58 10.4
YAK				pmx	pmx	
YAK	comp=Z,84nm,1.0s			pmx	pmx	
YAK				pmx	pmx	
YAK	comp=N,40nm,1.1s			pmx	pmx	
YAK	comp=E,28nm,1.1s			smx	smx	
YAK	comp=N,635nm,2.0s			smx		

7d 9h

USA0B	Ussuriysk Arra	10.94 310	ePn	Pn	08 59 59.7 +1.5
USRK	Ussuriysk Ar.	10.94 310	Pn	Pn	08 59 59.4 +1.2
comp=N,0.3nm,0.3s,baz=114,slow=10,SNR=4.3					
KSR5	Korea Array	12.53 273	Pn	Pn	09 00 22.2 +2.4
comp=N,0.2nm,0.3s,baz=99,slow=14,SNR=5.9					
KSAR	Wonju Array Be	12.56 273	Pn	Pn	09 00 22.2 +1.9
KSAR	Wonju Array Be	12.56 273	Pn	Pn	09 00 22.2 +1.9
KLR	Kul'dur	14.36 327	Pn	Pn	09 00 42.5 -2.4
comp=N,0.2nm,0.3s,baz=146,slow=15,SNR=2.9					
SONA0	Songino Array	28.92 302	eP	P	09 03 22.1 +2.0
SONA1	Songino Array	28.92 302	eP	P	09 03 22.1 +2.0
comp=N,1.6nm,0.7s,baz=101,slow=8.7,SNR=3.8					
ZAA1	Zalesovo Array	42.79 312	eP	P	09 05 18.2 0.0
ZALV	Zalesovo Beam	42.79 312	eP	P	09 05 18.3 0.0
comp=N,1.6nm,0.7s,baz=101,slow=8.7,SNR=1.9					
CMAR	Chiang Mai Arr	43.45 256	P	P	09 05 25.4 +1.3
comp=N,0.7nm,0.3s,baz=52,slow=9.3,SNR=2.8					
SVW2	Sparrevoth	43.84 38	eP	P	09 05 28.0 +1.3
comp=N,4.4nm,1.0s					
MK31	Makanchi Array	45.29 302	eP	P	09 05 39.3 +0.8
MK31	Makanchi Array	45.29 302	eP	P	09 05 39.3 +0.8
MK32	Makanchi Array	45.29 302	eP	P	09 05 38.7 +0.2
MKAR	Makanchi Array	45.29 302	eP	P	09 05 38.7 +0.2
comp=N,1.3nm,0.7s,baz=84,slow=8.5,SNR=2.4					
MKAR	Makanchi Array	45.29 302	eP	P	09 05 39.3 +0.8
MKAR	Makanchi Array	45.29 302	eP	P	09 05 39.3 +0.8
comp=N,2.3nm,0.9s					
KDAK	Kodiak Island	45.34 42	P	P	09 05 36.9 -1.8
comp=N,5.8nm,0.7s,baz=272,slow=11,SNR=5.0					
SUA	Susitna One	46.18 37	eP	P	09 05 44.9 -0.5
comp=N,8.3nm,0.9s					
MLY	Manley	46.27 32	eP	P	09 05 46.8 +0.8
RC01	Rabbit Creek A	46.67 38	eP	P	09 05 49.1 0.0
SEW	Seward	46.85 39	eP	P	09 05 49.7 -0.9
comp=N,3.7nm,0.8s					
KURK	Kurchatov	46.93 308	eP	P	09 05 52.5 +1.2
comp=N,1.1nm,1.0s					
KURK	Kurchatov	46.93 308	eP	P	09 05 51.8 +0.5
KURK	Kurchatov	46.93 308	eP	P	09 05 51.8 +0.5
PMR	Palmer	46.95 37	eP	P	09 05 49.3 -2.0
PMR	Palmer	46.95 37	eP	P	09 05 49.3 -2.0
comp=N,2.1nm,0.1s					
KURRB	Kurchatov Arra	47.00 308	P	P	09 05 51.8 -0.1
comp=N,6.6nm,0.7s,baz=80,slow=8.3,SNR=9.3					
GHO	Glory Hole Cre	47.05 37	eP	P	09 05 52.0 -0.2
comp=N,4.7nm,0.7s					
RND	Reindeer	47.05 35	eP	P	09 05 52.0 -0.2
RND	Reindeer	47.05 35	eP	P	09 05 52.0 -0.2
RND	Reindeer	47.05 35	eP	P	09 05 52.0 -0.2
comp=N,1.2nm,1.2s					
SML	Sawmill	47.32 37	eP	P	09 05 54.4 +0.1
SML	Sawmill	47.32 37	eP	P	09 05 54.4 +0.1
comp=N,2.9nm,1.1s					
WRH	Wood River Hill	47.39 33	eP	P	09 05 55.7 +1.0
SCM	Sheep Creek Mo	47.80 37	eP	P	09 05 58.0 0.0
comp=N,8.4nm,1.0s					
IL1	Eielson Array	47.90 33	eP	P	09 05 58.1 -0.6
ILAR	Eielson Array	47.90 33	eP	P	09 05 57.3 -1.4
ILB	Eielson Array	47.90 33	eP	P	09 05 57.9 -0.8
ILU	Klutina	48.69 37	eP	P	09 06 03.7 +0.3
comp=N,1.2nm,1.1s					
BVAR	Borovoye Array	51.44 312	P	P	09 06 26.3 +0.5
comp=N,1.2nm,0.6s,baz=12,slow=7.4,SNR=1.6					
INK	Inuvik	52.01 28	eP	P	09 06 36.0 -0.4
comp=N,1.2nm,0.7s,baz=90,slow=4.7,SNR=5.3					
INK	Inuvik	52.01 28	eP	P	09 06 36.5 +0.1
WRAB	Tennant Creek	55.05 190	eP	P	09 07 13.4 -0.5
comp=N,1.2nm,0.8s,baz=90,slow=4.7,SNR=5.3					
WR1	Warramunga Arr	58.06 190	eP	P	09 07 12.7 -1.3
WRA	Warramunga Arr	58.06 190	eP	P	09 07 12.7 -1.3
comp=N,2.6nm,0.7s,baz=32,slow=7.3,SNR=8.6					
ABKAR	Abkulek Arra	58.81 28	eP	P	09 07 19.4 0.0
ASAR	Alice Springs	61.79 190	eP	P	09 07 38.6 -1.0
comp=N,1.2nm,0.8s,baz=7.2,slow=6.7,SNR=3.9					
YKW3	Yellowknife Arr	62.22 31	eP	P	09 07 42.0 0.0
comp=N,2.5nm,1.0s					
YKA	Yellowknife Arr	62.26 31	eP	P	09 07 41.2 -1.0
comp=N,0.6nm,0.7s,baz=303,slow=6.9,SNR=8.5					
YKB5	Yellowknife Arr	62.26 31	eP	P	09 07 42.0 -0.3
FIA1	FINESS Array S	69.02 333	eP	P	09 08 26.6 +0.7
FIA0	FINESS Array S	69.02 333	eP	P	09 08 26.0 +0.1
FIA0	FINESS Array S	69.02 333	eP	P	09 08 26.0 +0.1
FINES	FINESS Array B	69.02 333	eP	P	09 08 26.0 +0.1
comp=N,2.3nm,0.8s,baz=46,slow=9.9,SNR=2.5					
DLMT	Dillon	72.53 46	eP	P	09 08 48.1 +0.3
comp=N,1.0nm,0.8s					
BOZ	Bozeman (W)	72.94 45	eP	P	09 08 50.5 +0.3
BOZ	Bozeman (W)	72.94 45	eP	P	09 08 50.5 +0.3
NVAR	Mina Array Bea	73.09 54	eP	P	09 08 51.5 +0.1
comp=N,0.7nm,0.7s,baz=286,slow=6.5,SNR=3.4					
NV01	Mina Array Sit	73.09 54	eP	P	09 08 52.4 +1.1
HFS	Hagfors	74.17 337	P	P	09 08 52.7 +0.3
comp=N,0.5nm,0.5s,baz=125,slow=7.6,SNR=2.1					
NB200	NORSAR Array S	74.21 338	eP	P	09 08 56.7 -0.6
NOWA	NORSAR Array B	74.21 338	eP	P	09 08 56.7 -0.6
comp=N,4.4nm,0.6s,baz=38,slow=5.8,SNR=2.4					
FXFY	Fox Creek	74.47 47	eP	P	09 09 00.9 +1.6
AKASG	Malin Array Be	74.83 323	P	P	09 09 00.6 -0.3
comp=N,0.6nm,0.3s,baz=44,slow=6.8,SNR=2.4					
PD31	Pinedale Array	75.85 47	eP	P	09 09 07.7 +0.4
PD31	Pinedale Array	75.85 47	eP	P	09 09 06.9 -0.4
comp=N,0.7nm,0.6s,baz=27,slow=1.7,SNR=5.4					
PDAR	Pinedale Array	75.85 47	eP	P	09 09 07.1 -0.2
LTX	Lajitas	88.23 54	eP	P	09 10 10.9 -1.4
LTX	Lajitas	88.23 54	eP	P	09 10 10.9 -1.4
TXAR	Lajitas	88.23 54	eP	P	09 10 10.9 -1.4
comp=N,0.5nm,0.8s,baz=281,slow=1.4,SNR=3.6					

2012 DEC

LFRS	El Faro	1.08 352	eP	Pb	09 00 47.7 -0.7
LOMA	San Marcos	1.13 347	eP	Pn	09 00 48.5 -0.5
PAVA	Las Pavas	1.16 359	eP	Pn	09 00 49.1 -0.3
comp=N,2.2um,0.3s					
SNET	Serv Nac Est T	1.18 345	eP	Pn	09 00 49.3 -0.4
SNET			eS	Sb	09 01 04.6 -0.3
comp=N,2.2um,0.2s					
LBR5	Las Brisas	1.20 354	eP	Pn	09 00 49.6 -0.3
OPAM	San Salvador	1.20 346	eP	Pn	09 00 49.7 -0.2
comp=N,3.0um,0.2s					
LFU	La Fuente	1.22 351	eP	Pn	09 00 50.0 -0.1
UEES	San Salvador	1.22 345	eP	Pn	09 00 49.9 -0.3
comp=N,2.2um,0.2s					
BOQS	Boqueroen	1.24 343	eP	Pn	09 00 50.5 -0.1
BOQS			eS	Sb	09 01 07.1 +0.2
LCND	La Ca'ada	1.25 52l	eP	Pn	09 00 49.6 -0.9
comp=N,2.2um,0.4s					
CEDA	San Andres	1.34 339	eP	Pn	09 00 51.7 -0.1
CSGN	Cosiguina Volc	1.39 72	eP	Pn	09 00 53.3 +0.2
CEVE	Cerro Verde	1.46 331	eP	Pn	09 00 53.8 +0.2
GBLS	San Blas	1.47 332	eP	Pn	09 00 53.8 +0.1
SNJE	San Jose	1.48 333	eP	Pn	09 00 54.1 +0.2
RTR	El Retiro	1.53 332l	eP	Pn	09 00 55.0 +0.5
COPN	Copaltepe	2.29 99	eP	Pn	09 01 03.7 -1.2

IDC 07 09:01:48.0:0.5,37.76N,143.76E,h0km,mb4.3/28, mpt 1.4,5/33,mb1mx4.4/54,mbtmp4.4/33,ML3.8/4,Error ellipse: s-maj=13.2km s-min=11.9km az=110.0
 ISCJB 07 09:01:49.2:0.2,37.78N,143.53E,h27km,mb4.8/31,Error ellipse: s-maj=9.2km s-min=6.1km az=97.7
 NEIC 07 09:01:52.9:0.2,37.74N,143.58E,h35km,mb4.7/71,Error ellipse: s-maj=4.6km s-min=3.2km az=148.0
 ISC 07 09:01:50.7:0.4,37.79N,143.69E,h19km,n229, s=1935/237,mb4.6/106,1C-1D,Off east coast of Honshu

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				h m s	ISC	
JIKH	Ishinomakikobu	1.86 285	eP	Pn	09 00 12.2 +0.6	
JIO	Ouri	1.79 289	eS	Sb	09 00 32.9 -0.5	
JKMT	Kesennumamotoy	1.84 301	eS	Sb	09 00 14.3 +0.9	
OFJU	Ofunato	1.86 310	eS	Sb	09 00 36.5 +0.8	
JOM	Ohasama	2.34 313	eS	Sb	09 00 37.8 +1.9	
JFT	Otamis	2.54 263	eS	Sb	09 00 23.0 +1.7	
JRY	Ryogami san	4.13 244	eS	Sb	09 00 00.1 -0.5	
JCH	Churui	4.72 359	eS	Sb	09 00 12.4 -2.6	
JMA 07 08:58:13.0:0.3,37.83N,143.50E,h17km,M4.2,Off east coast of Honshu						
JIKH	Ishinomakikobu	1.66 288	P	Pn	09 00 12.2 +0.6	
JIKH	Ouri	1.75 291	P	Pn	09 00 14.3 +0.9	
JIO	Ouri	1.79 289	P	Pn	09 00 32.9 -0.5	
JKMT	Kesennumamotoy	1.82 303	P	Pn	09 00 36.5 +0.8	
JFK	Kawauchi	2.08 258	P	Pn	09 00 44.2 +1.2	
JMM	Marumori	2.09 272	P	Pn	09 00 18.8 +0.8	
JMM	Ohasama	2.34 315	P	Pn	09 00 41.3 +0.5	
JFT	Otamis	2.54 263	P	Pn	09 00 23.0 +1.7	
JYK	Kaneyama	2.65 295	eS	Sb	09 01 00.1 +2.8	
UCR 07 09:00:28.2:1.1,12.54N,88.91W,h20km,6km,MD3.9, ML3.7,1C-1D,Off coast of central America						
Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				h m s	ISC	
LCY	Lacayo	1.06 34	eP	Pb	09 00 47.6 -0.3	
SNVI	San Vicente	1.07 4	eP	Pb	09 00 47.2 -0.9	
VSM	San Miguel	1.08 35	eP	Pb	09 00 47.6 -0.7	
PACA	Pacayal	1.08 32	eP	Pb	09 00 48.0 -0.4	
PACA			eS	Sb	09 01 02.9 +0.1	

YAK	comp=E,1um,2.4s				pmax	pmax
YAK	comp=N,377nm,1.4s				pmax	pmax
YAK	comp=N,13um,8.1s				smax	smax
YAK	comp=E,22um,12.6s				smax	smax
YAK	comp=N,37um,17.0s				MLR	MLR
YAK	comp=N,37um,17.0s				MLR	MLR
BOD	Bodaibo	27.89 326	eP	P	09 07 43.5 +4.4	
comp=N,2.48nm,1.7s						
XAN	Xi'an	28.30 273	P	P	09 07 46.4 +3.3	
XAN			eP	P	09 07 52.1 +0.8	
XAN	comp=N,18nm,0.9s				LR	LR
XAN	comp=E,30um,16.3s				LR	LR
XAN	comp=N,19um,15.2s				LR	LR
SONA1	Songino Array	28.88 302	eP	P	09 07 48.9 +0.6	
SONA0	Songino Array	28.89 302	eP	P	09 07 48.9 +0.6	
SONA0	Songino Array	28.89 302	eP	P	09 07 48.9 +0.6	
comp=N,0.8s,baz=86,slow=8.4,SNR=9.4						
SONM	Songino Array	28.89 302	P	P	09 07 48.9 +0.6	
SONM			pmax	pmax		
ENH	Enshi	29.20 265	eP	P	09 07 51.8 +0.7	
comp=N,24nm,0.9s						
TLY	Talaya	31.23 309	P	P	09 08 10.8 +2.0	
comp=N,4.3nm,0.8s,baz=243,slow=5.0,SNR=3.9						
LZH	Lanzhou	31.73 279	eP	P	09 08 14.5 +1.0	
LZH			eP	P	09 08 25.7 +4.0	
LZH			eP	P	09 08 29.4 +1.0	
LZH			eP	P	09 08 19.6 +2.0	
comp=N,2.3nm,1.2s						
LZH			pmax	pmax		
LZH			pmax	pmax		
LZH	comp=N,320nm,14.1s				LR</	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Alice Springs, Yellowknife Arr, YKA, etc.

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TRF Thorofore Moun, PMR Palmer, PRR Palmer, etc.

JMA 07 09:12:36.0±0.2, 38°21'N-143°50'E, h4km, M3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JKH Ishinomakikobu, OFU Ofunato, etc.

IDC 07 09:13:18.2±0.5, 37°72'N-143°83'E, h0km, mb4.5/32, mb1.4/739, mb1mx4.6/50, mbmp4.6/39, ML4.2/7, Error ellipse: s-maj=12.2km s-min=10.7km az=130.0

MOS 07 09:13:20.2±1.1, 37°87'N-143°78'E, h26km, mb4.8/50, Error ellipse: s-maj=7.6km s-min=4.9km az=95.4

ISCJB 07 09:13:21.3±0.2, 37°79'N-143°73'E, h0.02, h34km, mb4.7/156, MS5.4/2, Error ellipse: s-maj=3.6km s-min=2.2km az=163.2

JMA 07 09:13:21.4±0.2, 37°58'N-143°70'E, h46km, ML4.6, NEIC 07 09:13:22.6±0.1, 37°73'N-143°79'E, h33km, mb4.7/107, Error ellipse: s-maj=3.2km s-min=2.0km az=153.0

ISC 07 09:13:21.3±0.7, 37°80'N-143°86'E, h0.05, h24km, mb4km, h346, s159/347, mb4.7/165, 3P, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JKH Ishinomakikobu, OFU Ofunato, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ERM Erimo, MAJO Matsuhiro, MAJO Matsuhiro, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H11S3 WAKE ISLAND Hy 27.71 128 T, H11S2 WAKE ISLAND Hy 27.72 128 T, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like SEW, PMR, MCK, GHO, RND, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like YKA, YKBS, ARCES, KLMR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like BUR04, PV17, PV16, etc.

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

ICD 07:09:22:03.6, 1.4, 37:60N:144:03E, h0km, mb3.5/3, mb1 3.8/5, mb1mx3.5/49, mbtmp3.7/5, ML3.4/2, Error ellipse: s-maj=39.8km s-min=25.6km az=125.0

ISCJB 07:09:22:05.8, 0.9, 37:84N:143:64E, 0.07, h33km, mb3.5/3, Error ellipse: s-maj=7.5km s-min=6.8km

JMA 07:09:22:06.5, 0.2, 37:91N:143:61E, h44km, 6.3M

ISC 07:09:22:08.1, 1.3, 37:90N:143:57E, 0.09, h35km, n16, 0.076/24, mb3.6/3, Off east coast of Honshu

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

ICD 07:09:22:57.8, 0.5, 37:75N:144:33E, h0km, mb4.6/32, mb1 4.7/38, mb1mx4.7/54, mbtmp4.6/38, ML4.8/5, Error ellipse: s-maj=13.2km s-min=1.4km az=144.0

BUJ 07:09:23:00.6, 37:93N:144:38E, h31km, mb4.8/50, MB4.8/2, Ms4.7/2, Ms7.4/7.3

MOS 07:09:23:00.2, 0.9, 37:87N:144:25E, h25km, mb4.9/65, Error ellipse: s-maj=6.8km s-min=4.6km az=99.9

ISCJB 07:09:23:01.5, 0.9, 37:88N:144:20E, 0.02, h32km, 6km, mb4.7/198, MS5.8/1, Error ellipse: s-maj=4.1km s-min=2.9km az=156.6

NEIC 07:09:23:03.1, 0.1, 37:80N:144:21E, h35km, mb4.7/137, Error ellipse: s-maj=3.1km s-min=1.9km az=156.0

NEIC Recorded [1 JMA] in Miyagi. JMA 07:09:23:03.4, 0.2, 37:91N:144:09E, h48km, M5.4

ISC 07:09:23:02.7, 0.6, 37:84N:144:29E, 0.05, h31km, 3km, h31km:pp-P, n434, c157/461, mb4.7/204, 13C-3D, Off east coast of Honshu

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ryogami san, Kuni, Kayabe, etc.

YSS Yuzh-Sakhalins 9.18 353 ePn Pn 09 25 11.8 -1.2

TEY Ternei 9.22 324j eP Pn 09 25 14.1 +0.7

ASAJ Ashikawa 6.34 349 ePn Pn 09 24 33.7 -1.2

ASAJ Kurik's 7.86 19 eS Pn 09 24 54.4 -0.4

MDJ Mudanjianj 12.96 306 ePn Pn 09 26 05.5 -1.2

KSRS Korea Array 12.99 273 Pn Pn 09 25 06.5 +1.6

KS01 Wonju Array Si 13.00 273 ePn Pn 09 26 05.3 -0.0

KS15 Wonju Array Si 13.01 273 ePn Pn 09 26 04.9 -0.5

KLR Kul'dur 14.55 325 Pn Pn 09 26 24.8 -1.5

CLR Kul'dur 14.55 325 Pn Pn 09 26 25.3 -1.0

CN2 Changchun 15.45 299 eP Pn 09 26 39.4 +1.2

JOW Kunigami 17.40 236 P Pn 09 27 04.3 +0.1

PETK Petropavlovsk- 17.89 27 P Pn 09 27 11.3 +2.0

PETK Petropavlovsk- 17.89 27 ePn P 09 27 10.1 +0.7

PEA1 Petropavlovsk- 17.89 27 ePn P 09 27 11.3 +1.9

ZEA Zeya 19.77 329 eP Pn 09 27 30.2 +0.2

HIA Hailar 21.04 311 eP P 09 27 43.6 -0.3

HIA Hailar 21.04 311 eP Pmax 09 27 43.6 -0.3

NJ2 Nanjing 21.60 262 eP Pmax 09 27 50.1 +0.1

BJT Baijiatatau 21.95 284 eP Pmax 09 27 51.8 -1.9

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

H11S3 WAKE ISLAND Hy 27.47 128 T T 09 56 43.2

H11S2 WAKE ISLAND Hy 27.48 128 T T 09 56 41.6

BOD Bodaibo 28.13 325 eP Pmax 09 28 57.4 +5.8

XAN Xi'an 28.78 273 P Pmax 09 29 00.4 +2.6

ULN Ulanbatar 28.83 302 eP P 09 28 57.7 -0.5

ULN Ulanbatar 28.83 302 eP Pmax 09 28 57.7 -0.5

SON1 Songino Array 29.26 302 eP P 09 29 01.3 -0.7

SON2 Songino Array 29.27 302 eP P 09 29 03.1 +1.0

SON3 Songino Array 29.27 302 eP P 09 29 03.1 +1.0

ENH Enshi 29.68 266 eP P 09 29 04.9 -0.9

ZAK Zakamensk 31.60 307 eP Pmax 09 29 22.4 -0.2

LZH Lanzhou 32.19 279 eP P 09 29 28.0 0.0

LZH Lanzhou 32.19 279 eP Pmax 09 29 39.3 -1.5

LZH Lanzhou 32.19 279 eP Pmax 09 30 33.5 -0.9

BILL Bilibino 32.63 151 eP P 09 29 31.5 +0.2

BILL Bilibino 32.63 151 ePPP S 09 30 36.7

BILL Bilibino 32.63 151 eS S 09 30 52.3

BILL Bilibino 32.63 151 eSS S 09 34 34.7 -1.0

BILL Bilibino 32.63 151 eP Pmax 09 36 38.6 -2.2

GYA Guiyang 33.61 261 eP Pmax 09 29 41.4 +1.0

CD2 Chengdu 33.96 271 P P 09 29 42.6 -0.8

GTA Gaotai 34.52 287 eP Pmax 09 29 49.6 +1.3

GTA Gaotai 34.52 287 eP Pmax 09 32 22.6 -0.1

TIXI Tiksi 34.80 352 P P 09 29 49.6 -0.5

KNR Kungurtag, Tuv 35.28 307 iP P 09 29 55.8 +1.1

KMI Kunming 37.34 362 P Pmax 09 30 13.6 +0.9

ANM Nome 39.72 31 eP P 09 30 32.0 +0.2

ANK Nome 39.72 31 eP P 09 30 34.1 +0.2

SKNT Sokolnokr 40.97 251 P P 09 30 42.7 +1.9

RDG Red Dog Mine 41.76 27 eP P 09 30 49.3 +0.6

DGZ Jazator, Alta 41.79 305 iP Pmax 09 30 50.5 +1.2

WMQ Urumqi 42.52 297 eP P 09 30 56.3 +1.0

WMQ Urumqi 42.52 297 eP Pmax 09 31 02.5 -2.0

ZAA0 Zalesovo Array 43.08 312 eP P 09 30 59.4 -0.1

ZAA1 Zalesovo Array 43.08 312 eP P 09 31 00.0 +0.5

ZAA2 Zalesovo Array 43.08 312 eP P 09 31 00.0 +0.5

ZALV Zalesovo Beam 43.08 312 eP Pmax 09 32 48.9 -0.1

ZALV Zalesovo Beam 43.08 312 eP Pmax 09 32 48.9 -0.1

ZALV Zalesovo Beam 43.08 312 eP Pmax 09 30 58.9 -0.7

ZALV Zalesovo Beam 43.08 312 eP Pmax 09 31 00.0 +0.5

UTTA Uttaratit 43.09 255 P P 09 31 01.3 +1.2

LAMP Langkat 43.24 256 P P 09 31 03.4 +1.5

PBKT Sadao Pong 43.49 253 P P 09 31 04.6 +1.1

SVW2 Sparrevohk 43.49 38 eP P 09 31 03.9 +1.1

CMMT Chiang Mai 43.70 257 P P 09 31 06.1 +1.1

CHTO Chiang Mai 43.70 257 eP P 09 31 05.0 -0.1

CHTO Chiang Mai 43.70 257 eP Pmax 09 31 05.0 -0.1

CHTO Chiang Mai 43.70 257 eP Pmax 09 31 06.2 +1.1

CM31 Chiang Mai Arr 43.91 257 eP P 09 31 06.0 -0.8

CMAR Chiang Mai Arr 43.91 257 P P 09 31 07.7 +1.0

CMAR Chiang Mai Arr 43.91 257 iP Pmax 09 31 07.6 +0.9

CM11 Chiang Mai Arr 43.92 257 eP P 09 31 05.8 -1.0

NVS Novosibirsk 43.95 313 eP Pmax 09 31 05.4 -1.2

NVS Novosibirsk 43.95 313 eP Pmax 09 31 05.4 -1.2

NVS Novosibirsk 43.95 313 eP Pmax 09 31 05.4 -1.2

SUKH Sukhothai 43.96 255 P P 09 31 08.6 +1.6

SRAK Srakaew 44.29 249 P P 09 31 07.4 -2.3

LSA Lhasa 44.41 276 eP P 09 31 09.5 -1.7

LSA Lhasa 44.41 276 eP Pmax 09 31 09.5 -1.7

IM3 Indian Mountain 44.79 31 eP P 09 31 13.7 +0.6

RSO Redoubt South 44.85 39 eP P 09 31 14.6 +0.6

KDAK Kodiak Island 44.97 43 P P 09 31 14.5 -0.1

PPLA Pukekyle 45.20 35 eP P 09 31 17.8 +1.2

UTHA Uthaitani 45.26 253 P P 09 31 19.4 +1.9

UMPA Umpang Tak 45.31 254 P P 09 31 21.2 +3.3

SKT Skwentra 45.37 37 eP P 09 31 19.9 +1.2

MK01 Makanchi Array 45.63 302 eP P 09 31 19.8 -0.3

MK31 Makanchi Array 45.63 302 eP P 09 31 20.0 -0.1

MK31 Makanchi Array 45.63 302 eP P 09 31 20.0 -0.1

MK32 Makanchi Array 45.63 302 eP P 09 31 20.4 +0.3

MKAR Makanchi Array 45.63 302 eP P 09 31 20.4 +0.3

MKAR Makanchi Array 45.63 302 eP Pmax 09 32 57.6 -0.4

MKAR Makanchi Array 45.63 302 eP Pmax 09 31 19.8 -0.4

SUA Susitna One 45.84 37 eP P 09 31 22.2 +0.5

MAK2 Makanchi 45.84 302 eP P 09 31 22.1 +0.3

MAK2 Makanchi 45.84 302 eP Pmax 09 31 22.1 +0.3

MAK2 Makanchi 45.84 302 eP Pmax 09 31 22.1 +0.3

PATY Pataya 45.86 249 P P 09 31 24.4 +2.2

SBUM Sibiu 45.87 228 eP P 09 31 22.2 -0.1

SBUM Sibiu 45.87 228 P P 09 31 24.1 +1.7

ML5 Manley 45.95 32 eP P 09 31 23.1 +0.7

TRF Thorafore Moun 46.08 35 eP P 09 31 24.2 +0.6

SRDT SRDT 46.26 252 P P 09 31 26.9 +1.6

RC01 Rabbit Creek Arr 46.33 38 eP P 09 31 25.4 0.0

BWN Browne 46.46 34 eP P 09 31 27.8 +1.4

2012 DEC

Table with columns: Station, Name, Frequency, Power, Modulation, and Date/Time. Includes stations like PMR Palmer, MCK McKinley, GHG Glory Hole, etc.

Table with columns: Station, Name, Frequency, Power, Modulation, and Date/Time. Includes stations like WRAB Tennant Creek, WRA Warramunga, ABKAR Akbulak, etc.

Table with columns: Station, Name, Frequency, Power, Modulation, and Date/Time. Includes stations like MSFE Esma-Masafi, UOSS Minazif, HATA Hatta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAYN Ar Rayn, KHC Kasperske Hory, GEC2 GERESS Array S, etc.

IDC 07 09:23:12.5-0.7, 37.74N-144.40E, h0km, mb4.4/12, mb1 4.7/13, mb1mx4.3/48, mbtmp3.5/13, ML4.8/1, Error ellipse: s-maj=25.5km s-min=15.4km az=113.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MJAR Matsushiro Arr, ZALV Zalesovo Beam, CMAR Chiansi Mat Arr, etc.

JMA 07 09:23:44.0-0.2, 36.71N-141.24E, h33km, 2km, M4.0, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ONAJ Iwakimizuishiy, JIO Ouri, OFUJ Ofunato, etc.

JMA 07 09:25:08.7-0.2, 37.65N-143.64E, h50km, M3.7, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, OFUJ Ofunato, etc.

IDC 07 09:25:59.5-2.1, 37.62N-144.04E, h0km, mb3.7/2, mb1 3.9/4, mb1mx3.5/56, mbtmp3.8/4, ML3.8/2, Error ellipse: s-maj=33.0km s-min=33.2km az=81.0

ISCJB 07 09:26:02.0-0.9, 37.70N-143.79E, h0.07, h33km, mb3.8/2, Error ellipse: s-maj=7.7km s-min=6.4km az=85.5

JMA 07 09:26:04.1-0.4, 37.66N-143.61E, h39km, M3.6, ISC 07 09:26:04.2-1.4, 37.67N-143.75E-0.09, h35km, n22, e178/23, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JKMT Kesenumamototy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JFT Ashikaga, JAG Ryogami san, JOD2 Oyadawa 2, etc.

KRNET 07 09:28:25.1-0.1, 41.44N-75.89E, h14km, mb2.8, SOME 07 09:28:26.0, 41.47N-75.92E, h5km, NNC 07 09:28:28.2-4.9, 44.19N-74.87E, h0km, mb3.0, mpv2.8, Error ellipse: s-maj=34.8km s-min=23.9km az=5.0

ISC 07 09:28:24.8-1.2, 41.41N-0.05, 75.90E-0.02, h3km, 9gkm, n42, e090/73, 26C-14D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NRN Naryn, KZA Kyzart, KZK Kyzart, etc.

JMA 07 09:30:07.6-0.1, 37.73N-143.60E, h50km, M3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JKMT Kesenumamototy, etc.

IDC 07 09:33:11.8-1.1, 37.73N-143.84E, h0km, mb3.5/4, mb1 3.7/6, mb1mx3.4/62, mbtmp3.5/6, ML3.6/2, Error ellipse: s-maj=35.2km s-min=22.2km az=98.0

ISCJB 07 09:33:12.9-0.8, 37.81N-143.79E, h0.07, h19km, mb3.5/4, Error ellipse: s-maj=9.5km s-min=7.5km az=27.9

JMA 07 09:33:14.3-0.2, 37.86N-143.80E, h42km, M3.2, ISC 07 09:33:14.3-1.1, 37.87N-143.79E-0.08, h19km, n17, e147/23, mb3.6/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JKMT Kesenumamototy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHKK Chushkaly, KURS 20m,0.3s, MNAS Manas, etc.

IDC 07 09:29:01.0-0.9, 37.74N-143.78E, h0km, mb3.6/8, mb1 3.9/13, mb1mx3.7/58, mbtmp3.8/13, ML4.0/4, Error ellipse: s-maj=22.2km s-min=17.1km az=109.0

ISCJB 07 09:29:01.8-0.6, 37.85N-143.74E-0.05, h19km, mb3.7/9, Error ellipse: s-maj=5.6km s-min=5.2km az=7.7

JMA 07 09:29:02.0-2.0, 37.86N-143.77E, h50km, M4.0, ISC 07 09:29:04.1-0.9, 37.90N-143.71E-0.07, h19km, n31, e209/46, mb3.6/9, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JKMT Kesenumamototy, etc.

JMA 07 09:30:07.6-0.1, 37.73N-143.60E, h50km, M3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JKMT Kesenumamototy, etc.

IDC 07 09:33:11.8-1.1, 37.73N-143.84E, h0km, mb3.5/4, mb1 3.7/6, mb1mx3.4/62, mbtmp3.5/6, ML3.6/2, Error ellipse: s-maj=35.2km s-min=22.2km az=98.0

ISCJB 07 09:33:12.9-0.8, 37.81N-143.79E, h0.07, h19km, mb3.5/4, Error ellipse: s-maj=9.5km s-min=7.5km az=27.9

JMA 07 09:33:14.3-0.2, 37.86N-143.80E, h42km, M3.2, ISC 07 09:33:14.3-1.1, 37.87N-143.79E-0.08, h19km, n17, e147/23, mb3.6/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JKMT Kesenumamototy, etc.

IDC 07 09:35:39.2.0.7, 37.94N:144.02E, h0km, mb4.0/16,
 mb1.4/1.21, mb1mx4.0/61, mbtmq4.0/21, ML3.7/4, Error
 ellipse: s-maj=17.8km s-min=14.7km az=118.0
 MOS 07 09:35:41.8.1.2, 38.05N:144.04E, h32km, mb4.5/2, Error
 ellipse: s-maj=11.8km s-min=7.8km az=84.4
 IS/CJB 07 09:35:42.3.0.3, 38.04N:0.03:143.92E:0.03, h33km,
 mb4.0/24, Error ellipse: s-maj=4.5km s-min=5.9km
 az=165.0
 JMA 07 09:35:42.9.0.1, 38.03N:143.82E, h46km, M4.2
 NEIC 07 09:35:44.0.0.3, 37.98N:143.99E, h35km, mb4.5/10, Error
 ellipse: s-maj=6.0km s-min=4.6km az=132.0
 ISC 07 09:35:44.4.0.7, 37.98N:143.94E:0.06, h35km, n75,
 #2501/93, mb4.1/24, Off east coast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
JIKH	Ishinomakikobu	1.96	278	Op	09 36 13.4	-1.8
JIKH	Ishinomakikobu			S	09 36 35.7	-2.9
OFUJ	Ofunato	2.04	300	Op	09 36 15.3	-1.0
OFUJ	Ofunato			S	09 36 39.5	-1.0
JKMT	Kesennumamototy	2.07	291	Op	09 36 15.3	-1.4
JKMT	Kesennumamototy			S	09 36 38.9	-2.3
JIO	Ouri	2.07	281	Op	09 36 15.1	-1.6
JIO	Ouri			S	09 36 38.4	-2.9
JMK	Ichinoseki	2.30	293	Op	09 36 15.3	-1.0
JMK	Ichinoseki			S	09 36 39.5	-1.0
JOM	Ohasama	2.49	305	Op	09 36 21.7	-0.8
JOM	Ohasama			S	09 36 45.4	-1.6
JFT	Otama	2.91	260	Op	09 36 21.7	-0.8
JFT	Otama			S	09 36 45.4	-1.6
JYK	Kaneyama	2.93	288	Op	09 37 00.0	-2.0
JYK	Kaneyama			S	09 37 27.9	-0.6
JANG	Nango	2.96	321	Op	09 37 02.2	-0.2
JANG	Nango			S	09 37 27.9	-0.6
ERM	Erimo	3.98	352	ePn	09 36 42.6	-0.3
ERM	Erimo			S	09 37 26.6	-1.6
ERM	Erimo	3.98	352	ePn	09 36 42.6	-0.3
ERM	Erimo			S	09 37 26.6	-1.6
BSO	Boso	1.47	216	eS	09 37 28.3	-4.0
JKB	Kayabe	4.41	330	Op	09 36 49.1	+0.3
JKB	Kayabe			S	09 37 36.4	-2.5
JRYG	Ryogami san	4.53	244	Op	09 36 48.7	-1.8
JRYG	Ryogami san			S	09 37 36.9	-5.0
JCH	Churui	4.55	355	Op	09 36 50.0	-0.8
JCH	Churui			S	09 37 39.7	-2.7
JOD2	Odawara 2	4.81	236	Op	09 36 52.1	-2.2
JOD2	Odawara 2			S	09 37 43.4	-5.4
IMJAR	Matsushiro Arr	4.82	253	Op	09 36 54.3	-0.1
IMJAR	Matsushiro Arr			S	09 37 02.9	-0.4
MAJO	Matsushiro	4.82	253	ePn	09 36 54.0	-0.5
MAJO	Matsushiro			S	09 36 54.4	-0.1
MAJO	Matsushiro	4.82	253	ePn	09 36 54.0	-0.5
MAJO	Matsushiro			S	09 36 54.4	-0.1
MIAT	Matsushiro	4.82	253	ePn	09 36 54.0	-0.5
MIAT	Matsushiro			S	09 36 54.4	-0.1
MJBS	Matsushiro	4.82	253	ePn	09 36 54.0	-0.5
MJBS	Matsushiro			S	09 36 54.4	-0.1
NEM2	Nemuro 2	5.45	14	Op	09 37 00.4	-2.8
NEM2	Nemuro 2			S	09 37 59.0	-5.6
JHJ	Hachijo jima 2	6.00	216	Op	09 37 08.2	-2.4
JHJ	Hachijo jima 2			S	09 37 12.5	-0.2
ASAJ	Asahikawa	6.12	351	Op	09 37 11.5	-0.8
ASAJ	Asahikawa			S	09 37 10.0	-2.4
ASAJ	Asahikawa	6.12	351	ePn	09 37 11.5	-0.8
ASAJ	Asahikawa			S	09 37 10.0	-2.4
YUK	Yuzh-Kuril'sk	6.12	13	eP	09 38 15.3	-5.8
YUK	Yuzh-Kuril'sk			S	09 38 15.3	-5.8
YUK	comp=E,75nm,0.4s			pmax		
YUK	comp=N,96nm,0.5s			pmax		
YUK	comp=Z,119nm,0.4s			pmax		
SHO	Shikotan	6.18	20	eP	09 37 10.8	-2.4
SHO	Shikotan			S	09 38 16.6	-6.0
SHO	comp=Z,32nm,0.7s			pmax		
SHO	comp=N,19nm,0.3s			pmax		
SHO	comp=E,21nm,0.3s			pmax		
INU	Inuyama	6.19	246	ePn	09 37 13.0	-0.3
KUR	Kuril'sk	7.73	21	Op	09 37 32.5	-1.9
KUR	Kuril'sk			S	09 38 54.7	-5.9
KUR	comp=N,23nm,0.4s			pmax		
KUR	comp=Z,51nm,0.4s			pmax		
KUR	comp=E,30nm,0.2s			pmax		
USA0B	Ussuriysk Arr	10.88	308	ePn	09 38 19.2	+1.6
USKR	Ussuriysk Ar	10.88	308	Op	09 38 19.0	+1.4
USKR	Ussuriysk Ar			S	09 38 19.0	+1.4
KSRS	Korea Array	12.69	272	Op	09 38 44.5	+2.1
KSRS	Korea Array			S	09 38 44.5	+2.1
KSRS	Korea Array	12.69	272	ePn	09 38 44.5	+2.1
KSRS	Korea Array			S	09 38 44.5	+2.1
SEY	Seymchan	25.41	9	Op	09 41 10.6	+2.2
SEY	Seymchan			S	09 41 10.6	+2.2
SONA0	Songino Array	28.90	302	eP	09 41 41.7	+1.7
SONM	Songino Array	28.90	302	Op	09 41 41.7	+1.7
SONM	Songino Array			S	09 41 41.7	+1.7
MK01	Makanchi Array	45.27	302	eP	09 43 59.1	+0.6
MK31	Makanchi Array	45.27	302	eP	09 43 59.4	+0.9
MK31	Makanchi Array			S	09 43 59.5	+1.0
MK32	Makanchi Array	45.27	302	eP	09 43 59.5	+1.0
MK32	Makanchi Array			S	09 43 59.5	+1.0
MKAR	Makanchi Array	45.27	302	eP	09 43 59.3	+0.8
MKAR	Makanchi Array			S	09 43 59.3	+0.8
MKAR	Makanchi Array	45.27	302	eP	09 43 59.3	+0.8
MKAR	Makanchi Array			S	09 43 59.3	+0.8
BPAW	Bear Paw Mtn	45.75	34	Op	09 44 02.4	+0.4
BPAW	Bear Paw Mtn			S	09 44 12.2	+1.2
KURK	Kurchatov	46.88	308	eP	09 44 12.2	+1.2
KURK	Kurchatov			S	09 44 12.2	+1.2
KURK	Kurchatov	46.88	308	eP	09 44 12.2	+1.2
KURK	Kurchatov			S	09 44 12.2	+1.2
KURB8	Kurchatov Arra	46.95	308	Op	09 44 17.0	+1.1
KURB8	Kurchatov Arra			S	09 44 17.0	+1.1
ILB	Eielson Array	47.53	33	Op	09 44 16.7	+0.8
ILB	Eielson Array			S	09 44 41.9	+0.7
DAVW	Davson	50.83	33	Op	09 44 46.1	+0.9
DAVW	Davson			S	09 44 46.1	+0.9
BAWY	Boroyev Array	51.36	31	Op	09 44 55.4	+1.6
BAWY	Boroyev Array			S	09 44 54.6	+0.8
INK	Inuvik	52.54	28	Op	09 45 01.0	+1.1
INK	Inuvik			S	09 45 01.0	+1.1
ARSB	Arslanbob	53.28	28	Op	09 45 35.5	-1.0
ARSB	Arslanbob			S	09 45 35.5	-1.0
WRAB	Tennant Creek	58.40	191	eP	09 45 35.5	-1.0
WRAB	Tennant Creek			S	09 45 35.5	-1.0
WRAB	Tennant Creek	58.40	191	eP	09 45 35.5	-1.0
WRAB	Tennant Creek			S	09 45 35.5	-1.0
WB2	Warramunga Arr	58.41	191	eP	09 45 35.1	-1.5
WB2	Warramunga Arr			S	09 45 35.6	-0.9
WRA	Warramunga Arr	58.41	191	Op	09 45 35.6	-0.9
WRA	Warramunga Arr			S	09 45 35.6	-0.9
ABKAR	Aktubinsk	59.47	312	Op	09 45 39.3	+0.3
ABKAR	Aktubinsk			S	09 45 43.6	0.0
AKYO	Yellowknife Ar	61.89	31	Op	09 46 00.8	+0.9
AKYO	Yellowknife Ar			S	09 46 01.0	-1.0
AS31	Alice Springs	62.14	190	eP	09 46 01.3	-0.7
AS31	Alice Springs			S	09 46 45.2	+0.5
ASAR	Alice Springs	62.14	190	Op	09 46 45.2	+0.5
ASAR	Alice Springs			S	09 46 44.5	-0.2
FIA1	FINES Array S	68.81	333	eP	09 46 44.5	-0.2
FIA0	FINES Array S	68.81	333	eP	09 46 44.5	-0.2
FIA0	FINES Array S			S	09 46 44.5	-0.2
FINES	FINES Array S	68.81	333	eP	09 46 44.5	-0.2
FINES	FINES Array S			S	09 46 44.5	-0.2
NOA	NORSAR Array B	73.98	338	Op	09 47 16.9	+0.9
NOA	NORSAR Array B			S	09 47 24.3	+0.9
FRB	Frøiser Bay	75.28	14	Op	09 47 26.1	+0.7
FRB	Frøiser Bay			S	09 47 52.5	+4.1
BRTR	Reskin Array B	79.64	313	Op	09 48 30.4	-0.3
BRTR	Reskin Array B			S	09 48 30.4	-0.3
TXAR	Lajitas Array	87.89	54	Op	09 48 30.4	-0.3
TXAR	Lajitas Array			S	09 48 30.4	-0.3

IDC 07 09:36:40.0.0.7, 37.66N:143.73E, h0km, mb4.1/19,
 mb1.4/2.26, mb1mx4.1/62, mbtmq4.1/26, ML3.8/6, Error
 ellipse: s-maj=17.7km s-min=14.2km az=119.0
 MOS 07 09:36:41.7.1.2, 37.66N:143.71E, h26km, mb4.8/5, Error
 ellipse: s-maj=11.4km s-min=7.8km az=116.3
 IS/CJB 07 09:36:43.6.0.4, 37.69N:0.04:143.52E:0.04, h33km,
 mb4.2/25, Error ellipse: s-maj=5.2km s-min=5.0km
 az=153.6
 JMA 07 09:36:43.4.0.2, 37.74N:143.54E, h59km, M3.8
 NEIC 07 09:36:45.3.0.5, 37.67N:143.66E, h35km, mb4.6/3, Error
 ellipse: s-maj=10.7km s-min=7.1km az=124.0
 ISC 07 09:36:45.2.0.6, 37.71N:0.05:143.63E:0.07, h35km, n64,
 #1580/64, mb4.2/25, 1C, Off east coast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
JIKH	Ishinomakikobu	1.81	290	Op	09 37 11.8	-2.1
JIKH	Ishinomakikobu			S	09 37 32.9	-2.8
JIO	Ouri	1.95	293	eS	09 37 14.4	-1.4
JIO	Ouri			S	09 37 36.8	-2.2
JKMT	Kesennumamototy	2.02	304	Op	09 37 14.4	-1.4
JKMT	Kesennumamototy			S	09 37 37.7	-3.1
OFUJ	Ofunato	2.06	312	eS	09 37 39.2	-2.6
OFUJ	Ofunato			S	09 37 51.3	-2.3
JOM	Ohasama	2.54	315	eS	09 37 51.3	-2.3
JOM	Ohasama			S	09 38 16.5	-1.7
JFT	Otama	3.54	283	eS	09 37 37.7	-3.1
JFT	Otama			S	09 37 44.1	-1.4
JAG	Ashikaga	3.58	250	Op	09 38 30.1	-3.4
JAG	Ashikaga			S	09 37 49.0	+0.7
JRY	Ryogami san	4.15	247	Op	09 38 30.1	-3.4
JRY	Ryogami san			S	09 37 49.0	+0.7
ERM	Erimo	4.31	355	ePn	09 38 49.0	+0.7
ERM	Erimo			S	09 37 49.9	-0.9
MJAR	Matsushiro Arr	4.49	257	Op	09 37 49.9	-0.9
MJAR	Matsushiro Arr			S	09 38 11.7	-3.3
MAJO	Matsushiro	4.49	257	ePn	09 38 11.7	-3.3
MAJO	Matsushiro			S	09 38 45.7	-6.1
JCH	Churui	4.60	358	eS	09 38 04.5	-0.8
JCH	Churui			S	09 38 04.3	-1.1
JHJ	Hachijo jima 2	5.56	216	Op	09 39 04.1	-3.9
JHJ	Hachijo jima 2			S	09 39 08.8	+0.8
INU	Inuyama	5.83	248	Op	09 38 17.6	0.0
ASAJ	Asahikawa	6.45	353	Op	09 38 53.2	+0.3
ASAJ	Asahikawa			S	09 38 53.2	+0.3
TEY	Ternel	9.02	326	eP	09 38 53.2	+0.3
TEY	Ternel			S	09 38 53.2	+0.3
TEY	comp=E,30nm,0.8s			pmax		
TEY	comp=N,30nm,0.7s			pmax		
TEY	comp=Z,21nm,0.9s			pmax		
USKR	Ussuriysk Ar	10.93	310	Op	09 39 19.5	+0.5
USKR	Ussuriysk Ar			S	09 39 24.6	-0.5
JNU	Nakatsue	11.37	250	Op	09 39 42.2	+1.7
JNU	Nakatsue			S	09 39 42.2	+1.7
KSRS	Korea Array	12.47	274	Op	09 39 42.2	+1.7
KSRS	Korea Array			S	09 39 42.2	+1.7
KSRS	Korea Array	12.47	274	ePn	09 39 42.2	+1.7
KSRS	Korea Array			S	09 39 42.2	+1.7
KSAR	Wonju Array Be	12.50	274	Op	09 40 04.0	-1.9
KSAR	Wonju Array Be			S	09 40 04.0	-1.9
KSAR	Wonju Array Be	12.50	274	e		

az=172.4
NEIC 07 09:39:40.4-0.2, 27.86N:112.07W, h10km, mb4.0/13,
MD4.0(MEX), Error ellipse: s-maj=0.7km s-min=5.0km

az=212.0
IDC 07 09:40.9-2.8, 27.80N:111.69W, h0km, mb3.8/2,
mb1.4/1.6, mb1mx3.7/4.4, mbtm3.7/6, ML3.9/3, Error
ellipse: s-maj=38.3km s-min=16.1km az=16.0

MEX 07 09:39:41.9-0.4, 27.89N:111.96W, h16km, mb5.0/13,
MD4.0
ISC 07 09:39:40.3-0.7, 27.91N:111.91W, 0.05, h10km, n96,

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

ISCJB 07 09:41:21.3-0.5, 37.58N:104.143:60E, 0.05, h33km,
mb3.8/10, Error ellipse: s-maj=6.6km s-min=4.9km
az=32.4

JMA 07 09:41:22.0-0.2, 37.59N:143.52E, h52km, M3.8
NEIC 07 09:41:23.9-0.7, 37.54N:143.82E, h35km, mb4.5/1, Error
ellipse: s-maj=14.9km s-min=11.6km az=109.0

ISC 07 09:41:23.7-0.8, 37.57N:106.143:57E, 0.08, h35km, n34,
e190/39, mb3.7/10, Off east coast of Honshu

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

JFT Otama 2.64 267 eS Sn 09 43 49.9 -0.1
JYK Kanayama 2.87 296 P Pn 09 43 25.2 +0.2

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

IDC 07 09:47:02.0-0.8, 37.71N:143.72E, h0km, mb3.6/10,
mb1.3/9.13, mb1mx3.8/8.3, mbtm3.7/13, ML3.8/3, Error
ellipse: s-maj=23.1km s-min=16.4km az=125.0

ISCJB 07 09:47:08.0-0.4, 37.81N:103.143:52E, 0.04, h19km,
mb3.8/16, Error ellipse: s-maj=4.4km s-min=4.0km

JMA 07 09:47:10.4-0.2, 37.87N:143.78E, h45km, M3.8
NEIC 07 09:47:12.7-0.5, 37.77N:143.67E, h35km, mb4.1/6, Error
ellipse: s-maj=11.1km s-min=7.0km az=127.0

ISC 07 09:47:10.6-0.7, 37.85N:104.143:49E, 0.07, h19km, n45,
e166/64, mb3.8/16, Off east coast of Honshu

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

IDC 07 09:41:18.9-0.7, 37.49N:143.92E, h0km, mb3.7/9,
mb1.3/9.13, mb1mx3.8/4.6, mbtm3.8/13, ML3.9/3, Error
ellipse: s-maj=20.1km s-min=17.1km az=103.0

IDC 07 09:42:34.7-1.2, 37.50N:143.69E, h0km, mb3.8/5,
mb1.4/0.6, mb1mx3.7/4.0, mbtm3.9/6, ML3.9/3, Error
ellipse: s-maj=31.3km s-min=25.3km az=111.0

ISCJB 07 09:42:36.7-0.6, 37.63N:104.143:66E, 0.05, h33km,
mb4.0/8, Error ellipse: s-maj=6.8km s-min=5.5km az=42.8

IDC 07 09:51:13.3-1.2, 37.64N:144.05E, h0km, mb3.5/5,
mb1.3/8.8, mb1mx3.6/4.3, mbtm3.6/4.3, ML3.8/2, Error
ellipse: s-maj=28.3km s-min=24.4km az=120.0

JMA 07 09:51:15.9-0.2, 37.85N:143.79E, h50km, M3.4
ISCJB 07 09:51:16.1-0.8, 37.81N:103.143:52E, 0.06, h33km,
mb3.5/5, Error ellipse: s-maj=7.3km s-min=6.1km
az=137.5

ISC 07 09:51:18.6-1.0, 37.89N:107.143:78E, 0.08, h35km, n22,
e230/33, mb3.3/5, Off east coast of Honshu

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

7d 10h

Table with columns: JFT, JYK, JANG, etc. Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like Kaneyama, Ryogami san, Matsushiro, etc.

IDC 07 09:56:22.8:0.5, 37.57N:143.84E, h0km, mb3.9/15, mb1 4.1/20, mb1mx4.0/53, mbtmp4.0/20, ML4.1/4, MSS.4/1, Ms1 5.4/1, ms1mx4.4/50, Error ellipse: s-maj=15.7km s-min=13.0km az=123.0

MOS 07 09:56:24.5:1.3, 37.72N:143.82E, h26km, M4.5/12, Error ellipse: s-maj=10.4km s-min=7.0km az=92.9

JMA 07 09:56:26.0:0.2, 37.74N:143.82E, h0km, mb4.5/27, Error ellipse: s-maj=5.5km s-min=4.1km az=140.0

ISC 07 09:56:24.0:3.4, 37.68N:143.82E, h0km, mb3.9/15, n133.0/195/155, mb4.5/51, Off east coast of Honshu

Main station list for 7d 10h, including stations like IJHK, IJJO, IJKT, etc. with their respective coordinates and data.

2012 DEC

Main station list for 2012 DEC, including stations like HHC, H1N1, H1N2, etc. with their respective coordinates and data.

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Table with columns: FORT, KIV, NVAR, etc. Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like Kaneyama, Ryogami san, etc.

JMA 07 09:56:55.3:0.2, 37.90N:143.53E, h46km, M3.9, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like IJHK, IJJO, IJKT, etc.

IDC 07 09:58:09.5:0.9, 37.47N:143.82E, h0km, mb3.6/6, mb1 3.9/9, mb1mx3.7/48, mbtmp3.8/9, ML3.8/3, Error ellipse: s-maj=31.8km s-min=17.7km az=116.0

ISCJB 07 09:58:12.0:0.6, 37.56N:144.03E, h0km, mb3.9/15, n333.0/195/155, mb4.5/51, Off east coast of Honshu

JMA 07 09:58:12.9:0.2, 37.63N:143.58E, h46km, M3.7, Off east coast of Honshu

ISC 07 09:58:14.5:0.9, 37.59N:143.56E, h0km, mb3.6/6, n233.0/195/155, mb4.5/51, Off east coast of Honshu

Main station list for 310, including stations like IJHK, IJJO, IJKT, etc. with their respective coordinates and data.

ISCJB 07 10:00:37.4:0.7, 17.40N:0.06E, 69.89W, h0.7, h10km, mb3.4/3, Error ellipse: s-maj=11.3km s-min=6.9km az=43.9

IDC 07 10:00:39.1:1.3, 17.76N:69.77W, h0km, mb3.3/3, mb1 3.8/6, mb1mx3.5/46, mbtmp3.6/6, ML3.5/2, Error ellipse: s-maj=30.4km s-min=19.7km az=22.0

ISC 07 10:00:40.0:0.8, 17.49N:0.08E, 69.86W, h0.6, h10km, n16.0/194/117, mb3.5/3, Dominican Republic region

Main station list for 310, including stations like SJG, SDV, etc. with their respective coordinates and data.

IDC 07 10:01:13.3:1.9, 38.03N:144.47E, h0km, mb3.6/4, mb1 3.8/7, mb1mx3.5/50, mbtmp3.7/7, ML3.7/2, Error ellipse: s-maj=52.1km s-min=21.0km az=73.0

ISCJB 07 10:01:17.0:1.8, 38.05N:144.20E, h0.6, h33km, mb3.7/4, Error ellipse: s-maj=7.0km s-min=6.4km az=26.4

JMA 07 10:01:17.7:0.2, 38.10N:144.14E, h40km, M4.0, Error ellipse: s-maj=5.5km s-min=4.1km az=140.0

ISC 07 10:01:18.9:1.2, 38.01N:144.18E, h0.6, h33km, n22.0/132/30, mb3.8/4, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like IJHK, IJJO, IJKT, etc.

7d 11h

Table with columns: MJAR, Matsuhiro Arr, 4.68 2550 Pn, 1.6m, 0.3s, baz=88, slow=14, SNR=11

IDC 07 10:51:25.1±0.5, 7.58E, 152.96E, h0km, mb3.8/3, mb1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, Error ellipse: s-maj=138.1km s-min=29.7km az=129.0, New Britain region

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

IDC 07 10:52:49.1±1.0, 37.77N, 143.81E, h0km, mb3.5/5, mb1 3.9/7, mb1mx3.6/38, mbtmp3.9/7, ML3.7/2, Error ellipse: s-maj=31.0km s-min=21.3km az=112.0

ISCJB 07 10:52:51.0±0.7, 37.88N, 143.67E, 0.05, h19km, mb3.5/5, Error ellipse: s-maj=6.1km s-min=6.1km az=1.5

JMA 07 10:52:53.0±0.2, 37.92N, 143.66E, h42km, M3.7, ISCJ 07 10:52:52.0±1.0, 37.89N, 143.71E, 0.07, h19km, n20, ±136/33, mb3.6/5, Off east coast of Honshu

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

IDC 07 10:53:32.4±1.7, 28.09N, 139.84E, h376km, 18km, mb3.1/10, mb1 3.0/15, mb1mx3.1/39, mbtmp3.9/15, Error ellipse: s-maj=21.4km s-min=13.3km az=89.0

ISCJB 07 10:53:34.7±1.1, 28.5N, 0.1:139.8E, 0.2, h400km, mb3.3/10, Error ellipse: s-maj=18.4km s-min=17.4km az=167.8

IDC 07 10:53:34.8±0.9, 28.4N, 0.1:139.9E, 0.1, h400km, n17, ±193/19, mb3.3/10, Bonin Islands region

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

IDC 07 10:54:53.5±1.2, 37.70N, 143.92E, h0km, mb3.7/5, mb1 3.9/8, mb1mx3.6/41, mbtmp3.8/8, ML3.8/3, Error ellipse: s-maj=30.0km s-min=20.9km az=117.0

ISCJB 07 10:54:54.0±0.5, 37.88N, 143.67E, 0.04, h19km, mb3.9/9, Error ellipse: s-maj=3.3km s-min=5.0km az=13.9

JMA 07 10:54:57.0±0.7, 37.92N, 143.66E, h42km, M3.8, NEIC 07 10:54:58.0±0.5, 37.67N, 143.82E, h35km, mb4.2/3, Error ellipse: s-maj=9.6km s-min=6.3km az=120.0

ISC 07 10:54:56.9±0.9, 37.84N, 0.05:143.62E, 0.08, h19km, n37, ±244/45, mb3.9/8, Off east coast of Honshu

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

2012 DEC

Table with columns: JRY, Ryogami san, 4.20 246 P, 1.4m, 0.3s, baz=91, slow=29, SNR=3.6

IDC 07 10:59:02.3±0.9, 37.60N, 144.33E, h0km, mb3.6/6, mb1 3.9/8, mb1mx3.6/42, mbtmp3.7/8, ML3.0/2, Error ellipse: s-maj=24.2km s-min=22.2km az=106.0

ISCJB 07 10:59:04.0±0.7, 37.95N, 144.14E, 0.05, h33km, mb3.6/6, Error ellipse: s-maj=6.2km s-min=5.6km az=155.2

JMA 07 10:59:05.0±0.2, 37.94N, 144.04E, h44km, M3.7, ISC 07 10:59:07.4±0.9, 37.92N, 0.06:144.08E, 0.07, h35km, n26, ±254/70, mb3.5/6, Off east coast of Honshu

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

IDC 07 10:59:53.4±1.5, 36.76N, 143.42E, h0km, mb3.6/2, mb1 3.9/3, mb1mx3.4/41, mbtmp3.5/3, ML3.4/1, Error ellipse: s-maj=49.3km s-min=29.9km az=124.0, Off east coast of Honshu

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

IDC 07 10:59:53.4±1.5, 36.76N, 143.42E, h0km, mb3.6/2, mb1 3.9/3, mb1mx3.4/41, mbtmp3.5/3, ML3.4/1, Error ellipse: s-maj=49.3km s-min=29.9km az=124.0, Off east coast of Honshu

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

DJA 07 11:04:04.0±0.9, 9.5S, 111.1E, h17km, 5km, M3.5/8, ML3.5/8, Jawa

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

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

ISC 07 11:05:18.2±1.2, 37.90N, 0.06:143.47E, 0.07, h19km, n15, ±172/23, Off east coast of Honshu

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

IDC 07 11:07:50.8±1.3, 37.63N, 143.90E, h0km, mb3.5/5, mb1 3.8/8, mb1mx3.5/42, mbtmp3.7/8, ML4.1/3, Error ellipse: s-maj=28.3km s-min=21.9km az=114.0

ISCJB 07 11:07:53.0±0.7, 37.69N, 144.04E, 0.05, h33km, mb3.7/7, Error ellipse: s-maj=6.1km s-min=5.1km az=16.4

JMA 07 11:07:53.7±0.3, 37.82N, 143.76E, h45km, M3.8, NEIC 07 11:07:56.0±0.9, 37.65N, 143.77E, h35km, mb4.3/2, Error ellipse: s-maj=10.6km s-min=10.0km az=122.0

ISC 07 11:07:55.2±1.0, 37.76N, 0.05:143.84E, 0.08, h35km, n32, ±254/46, mb3.6/7, Off east coast of Honshu

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

IDC 07 11:11:46.7±0.9, 37.51N, 143.77E, h0km, mb3.6/9, mb1 3.8/14, mb1mx3.7/43, mbtmp3.7/14, ML2.8/4, Error ellipse: s-maj=21.0km s-min=16.2km az=119.0

ISCJB 07 11:11:49.5±0.6, 37.60N, 143.67E, 0.05, h33km, mb3.6/9, Error ellipse: s-maj=8.6km s-min=5.5km az=156.4

JMA 07 11:11:52.0±0.4, 37.71N, 143.47E, h46km, M3.7, ISC 07 11:11:51.5±0.8, 37.65N, 0.06:143.75E, 0.07, h35km, n22, ±259/29, mb3.6/9, Off east coast of Honshu

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

0.3nm,0.7s,baz=7.5,slow=2.2,SNR=4.0
YKA Yellowknife Arr 62.34 31 P
0.2nm,0.7s,baz=304,slow=6.6,SNR=3.3

0.3nm,0.6s,baz=94,slow=8.1,SNR=2.8
KURBB Kurchatov Arr 46.96 308 P
1.4nm,0.6s,baz=82,slow=8.4,SNR=7.9
WRA Warramunga Arr 58.10 190 P
0.4nm,0.7s,baz=12,slow=7.5,SNR=4.9

MJAR Matushiro Arr 1.60 275 P
2.9nm,0.3s,baz=47,slow=24,SNR=3.7
MAJO Matushiro 4.72 254 ePn
MAJO Matushiro 4.72 254 ePn
MAT Matushiro 4.72 254 ePn
MJB9 Matsu-Tunnel 4.72 254 ePn
MJB9 Matsu-Tunnel 4.72 254 ePn
MHJ Mitsune 5.85 215 ePn
JHJ Hachijo jima 2 5.85 216 Pn
15m,0.3s,baz=79,slow=22,SNR=7.1

IDC 07 11:14:45.2.0.9,37:27N:143:75E,h0km,mb3.7/7,
mb1.3/8/12,mb1mx3.7/43,mbtmp3.7/12,ML3.7/4,Error
ellipse: s-maj=22.0km s-min=16.9km az=124.0
ISCJB 07 11:14:48.0.7.3,37:44N:0:05:143:60E:0:05,h33km,
mb3.7/7,Error ellipse: s-maj=7.0km s-min=5.8km
az=174.1

IDC 07 11:24:59.7.1.2,37:67N:143:96E,h0km,mb3.7/8,
mb1.3/8/11,mb1mx3.6/49,mbtmp3.7/11,ML3.7/3,Error
ellipse: s-maj=25.9km s-min=23.2km az=110.0
ISCJB 07 11:25:03.0.7.3,37:84N:0:05:143:82E:0:05,h33km,
mb3.7/8,Error ellipse: s-maj=7.0km s-min=6.0km
az=167.3

13m,0.3s,baz=81,slow=19,SNR=2.5
INU Inuyama 6.08 247 ePn
ASAJ Asahikawa 6.22 352 Pn
5.0nm,0.3s,baz=181,slow=7.6,SNR=17
ASAJ 1.1nm,0.3s,baz=99,slow=13,SNR=3.2
ASAJ Asahikawa 6.22 352 ePn
ASAJ 1.1nm,0.3s,baz=97,slow=13,SNR=3.2
USA0B USSuriysk Arr 10.90 309 ePn
USA0B USSuriysk Arr 10.90 309 ePn
USRK USSuriysk Ar. 10.90 309 Pn
0.4nm,0.3s,baz=117,slow=15,SNR=6.8
KSR5 Kora Array 12.63 273 Pn
0.2nm,0.3s,baz=79,slow=12,SNR=3.1
KSAR Wonju Array Be 12.66 273 Pn
KLR Kul'dur 14.25 326 Pn
0.2nm,0.3s,baz=143,slow=16,SNR=3.2
H1N22 H1N22 AND Hy 27.03 126 T
baz=318,slow=75,SNR=5.7
H1N11 WAKE ISLAND Hy 27.04 126 T
baz=318,slow=75,SNR=6.6
H1N13 WAKE ISLAND Hy 27.05 126 T
H1S11 WAKE ISLAND Hy 27.01 128 T
baz=316
H1S13 WAKE ISLAND Hy 27.82 128 T
H1S12 WAKE ISLAND Hy 27.83 128 T
baz=316

JMA 07 11:14:49.9.0.9,37:42N:0:06:143:64E:0:07,h35km,n22,
a180/31,mb3.7/7,Off east coast of Honshu

JMA 07 11:25:04.0.0.2,37:84N:143:76E,h49km,M3.7
ISC 07 11:25:04.0.0.2,37:86N:0:06:143:84E:0:07,h35km,n26,
a195/39,mb3.7/7,Off east coast of Honshu

SONAO Songino Array 28.91 302 eP
SONM Songino Array 28.91 302 eP
1.7nm,0.1s,baz=92,slow=9.3,SNR=4.8
ZALV Zalesovo Beam 42.73 312 eP
ZALV Zalesovo Beam 42.73 312 eP
1.8nm,0.5s,baz=102,slow=9.3,SNR=6.5
MK32 Makanchi Array 45.27 302 eP
MKAR Makanchi Array 45.27 302 eP
0.3nm,0.6s,baz=87,slow=9.1,SNR=3.3
MKAR Makanchi Array 45.27 302 eP
KURK Kurchatov 46.89 308 eP

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like IKKH, IKH, JIO, Kesennumototy, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like IKKH, IKH, JIO, Kesennumototy, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like ILAR, WRAB, WB2, WRI, WRA, ASAR, YKA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like MJAR, MAT, JAT, Hachijo jima 2, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like MJAR, MAT, JAT, Hachijo jima 2, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like ILAR, WRAB, WB2, WRI, WRA, ASAR, YKA, etc.

JMA 07 11:55:8.0.6,37:92N:143:67E,h42km,M3.5,Off east coast of Honshu

ISCJB 07 11:26:26.4.1.3,37:77N:0:06:143:5E:0:1,h19km,
mb3.6/9,Error ellipse: s-maj=12.0km s-min=8.8km

IDC 07 11:33:30.2.1.4,37:72N:143:97E,h0km,mb3.5/3,
mb1.3/9/6,mb1mx3.6/43,mbtmp3.8/6,ML4.0/3,Error
ellipse: s-maj=23.6km s-min=23.4km az=110.0
ISCJB 07 11:33:30.2.0.8,37:83N:0:05:143:83E:0:07,h33km,
mb3.6/3,Error ellipse: s-maj=7.6km s-min=7.0km
az=146.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like JIO, Kesennumototy, OFUJ, JMK, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like JIO, Kesennumototy, OFUJ, JMK, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like ILAR, WRAB, WB2, WRI, WRA, ASAR, YKA, etc.

DJA 07 11:20:45.2.1.1,8:S:6:107E:1,h24km,1km,M3.77,
MLV3.7/7,South of Jawa

ISCJB 07 11:26:27.0.2.7,37:87N:143:59E,h52km,M3.3
IDC 07 11:26:28.7.1.3,37:13N:143:17E,h0km,mb3.5/6,
mb1.3/7/7,mb1mx3.5/44,mbtmp3.5/7,ML3.4/1,Error
ellipse: s-maj=32.5km s-min=26.0km az=76.0
ISC 07 11:26:25.6.1.5,37:90N:0:07:143:7E:0:1,h19km,n18,
a152/17,mb3.6/6,Off east coast of Honshu

JMA 07 11:33:34.5.0.2,37:90N:143:75E,h44km,M3.4
ISC 07 11:33:35.0.1.2,37:78N:0:05:143:79E:0:09,h35km,n18,
a191/26,mb3.5/3,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like SKJI, Sukabumi, CISI, Cibinong, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like SKJI, Sukabumi, CISI, Cibinong, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like ILAR, WRAB, WB2, WRI, WRA, ASAR, YKA, etc.

IDC 07 11:21:36.8.1.8,36:41N:140:19E,h216km,16km,mb2.8/4,
mb1.3/0/4,mb1mx2.8/50,mbtmp3.4/4,Error ellipse:
s-maj=29.2km s-min=22.2km az=87.0,Near east coast of eastern Honshu

ISC 07 11:29:39.7.0.1,38:02N:143:94E,h41km,M4.0
NEIC 07 11:29:41.6.0.5,37:94N:143:94E,h35km,mb4.4/3,Error
ellipse: s-maj=9.8km s-min=7.0km az=98.0
ISC 07 11:29:41.6.0.9,37:96N:0:05:143:85E:0:07,h35km,n52,
a158/68,mb3.9/10,Off east coast of Honshu

IDC 07 11:34:13.6.2.5,38:45N:143:96E,h0km,mb3.7/3,
mb1.3/8/4,mb1mx3.4/41,mbtmp3.6/4,ML3.4/1,Error
ellipse: s-maj=19.2km s-min=16.3km az=68.0
JMA 07 11:34:19.3.1.7,37:92N:143:64E,h41km,M3.2
ISC 07 11:34:19.3.1.7,37:91N:0:10:143:93E:0:11,h35km,n10,
a295/11,mb3.6/3,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like MJAR, Matushiro Arr, MAT, Matushiro, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like MJAR, Matushiro Arr, MAT, Matushiro, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like ILAR, WRAB, WB2, WRI, WRA, ASAR, YKA, etc.

ISCJB 07 11:21:38.3.1.5,37:85N:0:06:143:5E:0:1,h19km,
mb3.7/4,Error ellipse: s-maj=13.9km s-min=7.7km
az=27.0

JMA 07 11:21:38.1.0.2,37:81N:143:63E,h52km,M3.4
IDC 07 11:21:43.7.2.1,37:97N:142:88E,h0km,mb3.7/4,
mb1.3/8/5,mb1mx3.4/50,mbtmp3.7/5,ML3.4/1,Error
ellipse: s-maj=45.6km s-min=30.5km az=74.0
ISC 07 11:21:37.7.2.0,37:78N:0:08:143:7E:0:1,h19km,n15,
a258/18,mb3.7/4,Off east coast of Honshu

ISCJB 07 11:34:27.9.1.0,42:94N:0:06:145:49E:0:07,h46km,9km,
Error ellipse: s-maj=11.9km s-min=5.8km az=147.8
MOS 07 11:34:27.9.1.0,42:85N:145:53E,h39km,mb4.2/1,Error
ellipse: s-maj=73.0km s-min=15.5km az=77.0
SKHL 07 11:34:27.6.0.7,42:87N:145:56E,h34km,3km,mb4.5/6
JMA 07 11:34:28.1.0.1,42:93N:145:48E,h46km,1km,M3.6
JMA Felt I JT

JMA 07 11:21:38.1.0.2,37:81N:143:63E,h52km,M3.4
IDC 07 11:21:43.7.2.1,37:97N:142:88E,h0km,mb3.7/4,
mb1.3/8/5,mb1mx3.4/50,mbtmp3.7/5,ML3.4/1,Error
ellipse: s-maj=45.6km s-min=30.5km az=74.0
ISC 07 11:21:37.7.2.0,37:78N:0:08:143:7E:0:1,h19km,n15,
a258/18,mb3.7/4,Off east coast of Honshu

ISC 07 11:29:41.6.0.9,37:96N:0:05:143:85E:0:07,h35km,n52,
a158/68,mb3.9/10,Off east coast of Honshu

ISCJB 07 11:34:28.7.2.7,42:95N:0:08:145:47E:0:05,h36km,2km,
ISC n20,0684/37,TC,Hokkaido region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like IKKH, IKH, JIO, Kesennumototy, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like IKKH, IKH, JIO, Kesennumototy, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like ILAR, WRAB, WB2, WRI, WRA, ASAR, YKA, etc.

JMA 07 11:52:43.6,0.2,37.95N:143.52E,h41km,M3.5
ISC 07 11:52:41.4,1.5,37.92N:0.07:143.7E,0.1,h19km,n15,
e165/19,Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Ishinomakikobu, Ouri, Kesennumototy, etc.

IDC 07 11:53:58.5,1.4,37.94N:143.96E,h0km,mb3.5/3,
mb1 3.8/5,mb1mx3.4/38,mbtmp3.5/5,ML3.6/2,Error
ellipse: s-maj=39.2km s-min=24.5km az=117.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Ishinomakikobu, Ouri, Kesennumototy, etc.

IDC 07 11:55:19.4,0.8,37.70N:143.96E,h0km,mb3.8/9,
mb1 4.0/15,mb1mx3.8/41,mbtmp3.9/15,ML3.8/5,Error
ellipse: s-maj=21.8km s-min=16.4km az=113.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Ishinomakikobu, Ouri, Kesennumototy, etc.

NEIC 07 11:55:24.6,0.4,37.74N:143.86E,h35km,mb4.4/2,Error
ellipse: s-maj=8.3km s-min=6.2km az=110.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Ishinomakikobu, Ouri, Kesennumototy, etc.

IDC 07 11:57:03.3,1.4,38.01N:144.16E,h0km,mb3.2/3,
mb1 3.5/4,mb1mx3.3/35,mbtmp3.2/24,ML3.0/1,Error
ellipse: s-maj=56.2km s-min=26.8km az=121.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Ishinomakikobu, Ouri, Kesennumototy, etc.

IDC 07 11:58:54.5,1.2,37.44N:143.79E,h0km,mb3.4/4,
mb1 3.7/6,mb1mx3.5/34,mbtmp3.5/6,ML3.1/2,Error
ellipse: s-maj=32.5km s-min=24.0km az=123.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Ishinomakikobu, Ouri, Kesennumototy, etc.

NIED 07 12:05:00.37,90N:143.80E,h5km,Mw5.1 Best double
couple: M4.250000*10^16 N1.000000*822.000000*,
lambda=100.000000*, NP2.2*204.000000*,delta=0.000000*,
lambda=86.000000*

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Ishinomakikobu, Ouri, Kesennumototy, etc.

IDC 07 12:05:26.0,0.4,37.95N:0.04:143.81E,0.04,h28km,2km,
h28km,mp-P,n554,0.1973/569,mb4.8/239,26C-7D,Of
east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Ishinomakikobu, Ouri, Kesennumototy, etc.

34nm,0.3s,baz=196,slow=12,SNR=113
7.8nm,0.3s,baz=234,slow=34,SNR=35

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Asahikawa, Yuzh-Kuril'sk, etc.

TEY 07 11:58:57.0,0.2,37.79N:143.57E,h53km,M3.3
ISC 07 11:58:57.9,1.1,37.77N:0.06:143.49E,0.09,h19km,n16,
e160/22,mb3.5/4,Of east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Asahikawa, Yuzh-Kuril'sk, etc.

KLR 07 12:05:00.37,90N:143.80E,h5km,Mw5.1 Best double
couple: M4.250000*10^16 N1.000000*822.000000*,
lambda=100.000000*, NP2.2*204.000000*,delta=0.000000*,
lambda=86.000000*

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Asahikawa, Yuzh-Kuril'sk, etc.

DLBC	Dease Lake	56.73	39	P	P	12 15 07.9	+0.4
WRAB	Tennant Creek	58.26	190	eP	P	12 15 16.6	-2.0
WRAB	Tennant Creek	58.26	190	eP	P	12 15 16.6	-2.0
WB2	Warramunga Arr	58.26	190	eP	P	12 15 16.6	-2.0
WR1	Warramunga Arr	58.27	190	eP	P	12 15 16.6	-2.0
WRA	Warramunga Arr	58.27	190	eP	P	12 15 16.6	-2.1
ABXAR	Akbulak array	58.80	310	eP	P	12 15 22.1	0.0
KBL	Kabul	58.86	291	eP	P	12 15 24.2	+1.1
KBL	Kabul	58.86	291	eP	P	12 15 24.2	+1.1
HYB	Hyderabad	60.13	269	iP	P	12 15 34.0	+2.2
PRGR	Permogore	61.03	327	eP	P	12 15 36.9	-0.3
PRGR	Permogore	61.03	327	eP	P	12 15 36.9	-0.6
RES	Resolute Bay	61.23	15	eP	P	12 15 38.8	+0.4
RES	Resolute Bay	61.23	15	eP	P	12 15 39.1	+0.7
RES	Resolute Bay	61.23	15	eP	P	12 15 39.1	+0.7
AS01	Alice Springs	61.98	190	eP	P	12 15 42.3	-1.8
AS31	Alice Springs	61.99	190	eP	P	12 15 42.5	-1.6
ASAR	Alice Springs	61.99	190	eP	P	12 15 42.5	-1.6
ASAR	Alice Springs	61.99	190	eP	P	12 15 42.5	-1.6
YKW3	Yellowknife Ar	62.02	31	eP	P	12 15 43.9	0.0
YKA	Yellowknife Ar	62.05	31	eP	P	12 15 44.3	+0.2
YKBS	Yellowknife Ar	62.05	31	eP	P	12 15 43.4	-0.7
APA	Apatity	62.63	336	iP	P	12 15 43.9	-4.0
POO	Poona	63.23	273	eP	P	12 15 52.0	-0.7
AR0A	ARCCESS Array S	63.81	340	eP	P	12 15 57.3	+1.6
ARCES	ARCCESS Array S	63.81	340	eP	P	12 15 57.3	+1.6
KLMR	Klimovskoe	64.00	328	eP	P	12 16 07.8	+1.1
KLMR	Klimovskoe	64.00	328	eP	P	12 16 07.9	+1.1
KLMR	Klimovskoe	64.00	328	eP	P	12 16 07.9	+1.1
GEY7	Alibeck	65.05	300	eP	P	12 16 04.6	+0.2
GA0B	ALIBECK ARRAY	65.05	300	eP	P	12 16 05.8	+1.4
B08A	Colville Reser	66.84	46	eP	P	12 16 18.1	+2.3
MOS	Moscow	67.64	324	eP	P	12 16 20.9	+0.3
MOS	Moscow	67.64	324	eP	P	12 16 20.9	+0.3
C09A	Christina Reser	67.74	46	eP	P	12 16 22.4	+1.0
D08A	Wollman Farm,	67.76	47	eP	P	12 16 22.5	+1.0
E08A	Dider Farm, Et	67.98	48	eP	P	12 16 25.5	+2.6
NEW	Newport	68.14	45	eP	P	12 16 25.1	+1.2
NEW	Newport	68.14	45	eP	P	12 16 25.1	+1.2
VRH	Novokhoporsk	68.17	318	eP	P	12 16 23.1	-0.9
VRH	Novokhoporsk	68.17	318	eP	P	12 16 23.1	-0.9
YBH	Yreka Blue Hor	68.27	54	eP	P	12 16 28.1	+3.1
YBH	Yreka Blue Hor	68.27	54	eP	P	12 16 28.1	+3.1
PINE	Pine Mountain	68.29	51	eP	P	12 16 27.1	+1.9
OBN	Obninsk	68.50	324	eP	P	12 16 25.8	-0.1
OBN	Obninsk	68.50	324	eP	P	12 16 25.8	-0.1
OBN	Obninsk	68.50	324	eP	P	12 16 25.8	-0.1
OBN	Obninsk	68.50	324	eP	P	12 16 25.8	-0.1
E09A	Wood Farm, Sts	68.50	47	eP	P	12 16 28.8	+2.6
LPSR	Galich'ya Gora	68.81	321	eP	P	12 16 27.5	-0.5
LPSR	Galich'ya Gora	68.81	321	eP	P	12 16 27.5	-0.5
FIA1	FINESS Array S	68.88	333	eP	P	12 16 28.8	+0.5
FIA0	FINESS Array S	68.88	333	eP	P	12 16 28.6	+0.3
FIA0	FINESS Array S	68.88	333	eP	P	12 16 28.6	+0.3
FINES	FINESS Array S	68.88	333	eP	P	12 16 28.6	+0.3
K05A	Summer Lake	68.89	52	eP	P	12 16 30.8	+1.9
WDC	Whiskeytown D	68.99	55	eP	P	12 16 32.0	+2.7
VSR	Storozhevo	69.49	319	eP	P	12 16 32.2	0.0
VSR	Storozhevo	69.49	319	eP	P	12 16 32.2	0.0
STKA	Stephens Creek	69.50	182	eP	P	12 16 30.1	-2.2
STKA	Stephens Creek	69.50	182	eP	P	12 16 30.4	-1.9
MOD	Modoc Plateau	69.70	52	eP	P	12 16 35.1	+1.2
SUMG	Summit	69.76	1	eP	P	12 16 36.3	+2.3
BMO	Blue Mountains	69.90	48	eP	P	12 16 36.1	+1.0
BMO	Blue Mountains	69.90	48	eP	P	12 16 36.1	+1.0
J08A	Circle Bar Ran	70.03	50	eP	P	12 16 37.3	+1.5
WVOR	Wild Horse Val	70.44	51	eP	P	12 16 39.5	+1.1
WVOR	Wild Horse Val	70.44	51	eP	P	12 16 39.5	+1.1
VSU	Vasula	70.62	330	eP	P	12 16 48.7	+1.0
VSU	Vasula	70.62	330	eP	P	12 16 48.7	+1.0
BBOO	Bucklebo	70.77	187	eP	P	12 16 39.2	-0.9
BEKR	Beckworth	70.78	54	eP	P	12 16 41.6	+1.0
VCNR	Virginia City	71.56	54	eP	P	12 16 47.2	+1.9
KIV	Kislovodsk	71.74	312	eP	P	12 16 47.5	+1.4
KIV	Kislovodsk	71.74	312	eP	P	12 16 47.9	+1.7
KIV	Kislovodsk	71.74	312	eP	P	12 16 43.9	-2.3
KIV	Kislovodsk	71.74	312	eP	P	12 16 43.9	-2.3
KBZ	Khabaz	71.74	311	eP	P	12 16 47.3	+1.3
CMB	Columbia Colle	71.78	56	eP	P	12 16 47.6	+1.1
FFC	Flin Flon	71.90	34	eP	P	12 16 47.4	+0.6
FFC	Flin Flon	71.90	34	eP	P	12 16 47.4	+0.6
FFC	Flin Flon	71.90	34	eP	P	12 16 47.4	+0.6
FFC	Flin Flon	71.90	34	eP	P	12 16 47.4	+0.6
HRY	Holter Resear	71.97	45	eP	P	12 16 48.8	+1.2
YERR	Yerington	71.99	54	eP	P	12 16 49.1	+2.2
MYLM	Yosemite Lake	72.13	56	eP	P	12 16 49.8	+1.3
WAKR	Walker	72.14	55	eP	P	12 16 49.8	+1.0
LRM	Limekiln Ridg	72.16	46	eP	P	12 16 50.6	+1.7
DLMT	Dillon	72.34	46	eP	P	12 16 51.0	+1.1
HLID	Halley	72.35	48	eP	P	12 16 51.5	+1.5
BMN	Battle Mountai	72.45	52	eP	P	12 16 52.1	+1.5
BMN	Battle Mountai	72.45	52	eP	P	12 16 52.1	+1.5
BMN	Battle Mountai	72.45	52	eP	P	12 16 52.1	+1.5
BMN	Battle Mountai	72.45	52	eP	P	12 16 52.1	+1.5

IZAR	Zarasai	72.65	328	eP	P	12 17 04.6	+1.3
RYN	Ryan	72.66	54	eP	P	12 16 53.4	+1.5
KVN	Kaiserville	72.69	54	eP	P	12 16 53.4	+1.2
IDID	Idizsalis	72.74	328	eP	P	12 17 04.9	+1.3
BOZ	Bozeman (W)	72.75	45	eP	P	12 16 53.2	+1.0
BOZ	Bozeman (W)	72.75	45	eP	P	12 16 53.3	+1.0
ISAL	Salakas	72.82	328	eP	P	12 17 05.5	+1.3
ISAL	Salakas	72.82	328	eP	P	12 17 06.1	
NV01	Nina Array S1	72.91	54	eP	P	12 16 51.5	-1.9
NV4R	Mina Array Bea	72.91	54	eP	P	12 16 51.5	-1.9
IIGN	Ignalina	72.93	328	eP	P	12 17 06.1	+1.3
IIGN	Ignalina	72.93	328	eP	P	12 17 06.8	
UOSS	Minazif	73.33	289	eP	P	12 16 56.6	+0.8
NC204	NORSAR Array S	74.01	338	eP	P	12 17 00.8	+1.5
NB2	NORSAR Subarra	74.07	338	eP	P	12 16 59.6	0.0
NB2	NORSAR Subarra	74.07	338	eP	P	12 16 59.6	0.0
NB20	NORSAR Array S	74.07	338	eP	P	12 16 59.8	+0.2
NOA	NORSAR Array B	74.07	338	eP	P	12 16 59.8	+0.2
RLMT	Red Lodge	74.36	45	eP	P	12 17 04.5	+2.7
MOOV	Moose Ponds	74.37	46	eP	P	12 17 03.2	+1.3
HVU	Hansel Valley	74.38	49	eP	P	12 17 02.9	+1.0
HVU	Hansel Valley	74.38	49	eP	P	12 17 02.9	+1.0
SNOW	Snow King Mtn	74.54	47	eP	P	12 17 04.6	+1.6
REDW	Red Top Meadow	74.55	47	eP	P	12 17 04.8	+1.8
R11A	Tray Canyon, C	74.69	53	eP	P	12 17 01.9	-1.9
AKASG	Malin Array Be	74.73	323	eP	P	12 17 03.5	-0.1
AKASG	Malin Array Be	74.73	323	eP	P	12 17 03.5	-0.1
AKASG	Malin Array Be	74.73	323	eP	P	12 17 03.5	-0.1
AKASG	Malin Array Be	74.73	323	eP	P	12 17 03.5	-0.1
KIEV	Kiev	74.74	323	eP	P	12 17 03.1	-0.5
KIEV	Kiev	74.74	323	eP	P	12 17 03.7	+0.1
AHID	Auburn Hatcher	74.77	47	eP	P	12 17 05.8	+1.6
OSI	Osio Audit: C	74.84	58	eP	P	12 17 04.9	+0.3
LAO	LASA Array S	75.03	42	eP	P	12 17 08.0	+2.5
TOO	Toolangi	75.16	179	eP	P	12 17 05.7	-0.4
TOO	Toolangi	75.16	179	eP	P	12 17 05.7	-0.4
DUG	Dugway, Tooele	75.31	50	eP	P	12 17 08.2	+0.9
DUG	Dugway, Tooele	75.31	50	eP	P	12 17 08.3	+0.9
CTU	Camp Tracy	75.65	49	eP	P	12 17 12.4	+3.0
BW06	Boulder Array	75.66	47	eP	P	12 17 09.4	0.0
PD31	Pinedale Array	75.66	47	eP	P	12 17 09.4	0.0
PDAR	Pinedale Array	75.66	47	eP	P	12 17 09.4	0.0
PDAR	Pinedale Array	75.66	47	eP	P	12 17 08.8	-0.6
PSUT	Pine Spring	75.67	52	eP	P	12 17 11.8	+2.3
NLU	North Lily Min	75.91	50	eP	P	12 17 11.9	+1.1
MPU	Maple Canyon	76.14	50	eP	P	12 17 13.3	+1.1
CCUT	Cedar City	76.58	53	eP	P	12 17 16.0	+1.2
MSU	Marysvale	76.73	51	eP	P	12 17 17.1	+1.5
MSU	Marysvale	76.73	51	eP	P	12 17 17.1	+1.5
MTPU	Mont Pierson	77.01	52	eP	P	12 17 18.9	+1.6
P17A	Butcher Ranch,	77.01	50	eP	P	12 17 18.7	+1.6
Q16A	Castle Valley	77.10	51	eP	P	12 17 31.2	+1.8
Q16A	Castle Valley	77.10	51	eP	P	12 17 31.2	+1.8
KNB	Kanab	77.24	53	eP	P	12 17 19.9	+1.5
KNB	Kanab	77.24	53	eP	P	12 17 19.9	+1.5
SRU	San Rafael Swe	77.37	50	eP	P	12 17 20.0	+0.9
SRU	San Rafael Swe	77.37	50	eP	P	12 17 20.0	+0.9
KIS	Kishinev	77.42	321	eP	P	12 17 20.3	+4.0
K22A	Kishinev	77.42	321	eP	P	12 17 20.8	+1.3
ULM	Lac du Bonnet	77.68	35	eP	P	12 17 20.7	+0.3
RSSD	Black Hills	77.87	43	eP	P	12 17 22.7	+0.9
RSSD	Black Hills	77.87	43	eP	P	12 17 35.0	+0.9
RSSD	Black Hills	77.87	43	eP	P	12 17 22.7	+0.9
RSSD	Black Hills	77.87	43	eP	P	12 17 35.0	+0.9
U15A	North Rim	77.93	53	eP	P	12 17 23.7	+1.3
Q20A	White River Ci	78.09	48	eP	P	12 17 23.7	+0.6
PV09	Paradox Valley	78.60	50	eP	P	12 17 36.1	+0.7
PV21	Paradox Valley	78.60	50	eP	P	12 17 27.5	+1.4
PV23	Carpenter Ridg	78.70	50	eP	P	12 17 27.9	+1.3
PV10	Paradox Valley	78.73	50	eP	P	12 17 28.1	+1.3
BUR08	Bucovina Ar, S	78.75	323	eP	P	12 17 27.5	+1.0
PV14	Lio Creek Park	78.75	50	eP	P	12 17 27.8	+1.0
BUR04	Bucovina Ar, S	78.76	323	eP	P	12 17 27.1	+0.6
BUR4R	Bucovina Array	78.76	323	eP	P	12 17 28.4	+1.9
BUR4R	Bucovina Array	78.76	323	eP	P	12 17 28.3	+1.8
PV20	West Nyswonger	78.80	50	eP	P	12 17 28.2	+1.1
BIZ	Bic						

7d 12h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Sonseca Array, TOA1 Torodi Arr, SYO Syowa Base, etc.

IDC 07 12:06:60.0, 0.4, 37.770N:143.80E, h0km, mb4.3/9, mb1 4.5/14, mb1mx3.4/42.1, mbtmp4.4/14, ML3.0/4, Error ellipse: s-maj=7.5km s-min=6.7km az=176.0

ISJCJB 07 12:07:03.2, 0.6, 37.771N:143.68E, h0km, mb3.8/15, mb4 2/9, Error ellipse: s-maj=5.5km s-min=5.7km az=34.3

JMA 07 12:07:03.0, 0.4, 37.771N:143.68E, h4km, ML3.0, JMA 07 12:07:04.9, 0.6, 37.772N:143.71E, h0km, h35km, n29, az=252/39, mb4.0/9, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IJHK Ishinomakikobu, IJHJ Hachioji jima 2, etc.

JMA 07 12:14:03.1, 0.2, 38.10N:143.84E, h4km, ML3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IJHK Ishinomakikobu, IJHJ Hachioji jima 2, etc.

IDC 07 12:14:14.9, 0.7, 37.51N:144.08E, h0km, mb3.7/13, mb1 3.9/15, mb1mx3.8/39, mbtmp3.7/15, ML4.0/2, Error ellipse: s-maj=20.3km s-min=15.4km az=129.0

JMA 07 12:14:18.5, 0.2, 37.91N:143.52E, h54km, ML3.7, NEIC 07 12:14:20.1, 0.5, 37.51N:143.93E, h35km, mb4.2/4, Error ellipse: s-maj=11.5km s-min=7.8km az=131.0

ISC 07 12:14:18.2, 0.3, 37.70N:143.05E, h0km, h11km, n21km, n47, az=252/46, mb3.16, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IJHK Ishinomakikobu, IJHJ Hachioji jima 2, etc.

2012 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JCH Churui, JHJ Hachioji jima 2, etc.

IDC 07 12:14:53.7, 0.7, 37.68N:143.58E, h0km, mb3.8/15, mb1 4.1/22, mb1mx4.0/44, mbtmp3.9/22, ML3.8/5, Error ellipse: s-maj=17.5km s-min=13.4km az=139.0

ISJCJB 07 12:14:56.8, 0.5, 37.71N:143.51E, h0km, h33km, mb3.9/17, Error ellipse: s-maj=8.2km s-min=5.1km

NEIC 07 12:14:59.0, 0.5, 37.77N:143.49E, h35km, mb4.2/2, Error ellipse: s-maj=10.5km s-min=7.7km az=140.0

ISC 07 12:14:58.7, 0.6, 37.72N:143.55E, h0km, h35km, n50, az=134/57, mb3.9/17, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ERM Erimo, MJAR Matsushiro Arr, etc.

IDC 07 12:15:26.2, 0.5, 37.47N:142.58E, h0km, mb4.0/8, mb1 4.1/11, mb1mx3.8/40, mbtmp3.7/15, ML4.0/2, Error ellipse: s-maj=10.4km s-min=7.0km az=92.0

ISJCJB 07 12:15:27.2, 1.0, 37.43N:142.6E, 0.2, h21km, mb4.0/8, Error ellipse: s-maj=20.2km s-min=14.2km

ISC 07 12:15:29.2, 1.2, 37.55N:142.5E, 0.2, h21km, n11, az=151/11, mb4.1/8, Off east coast of Honshu

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

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JHJ Hachioji jima 2, USRK Ussuriysk Arr, etc.

IDC 07 12:24.3, 0.9, 37.67N:144.04E, h0km, mb3.7/9, mb1 3.9/14, mb1mx3.7/42, mbtmp3.8/14, ML3.6/4, MS4.1/1, MS1.4/1, ms1mx3.4/41, Error ellipse: s-maj=20.3km s-min=16.5km az=105.0

ISJCJB 07 12:24.7, 0.7, 37.68N:144.05E, h0km, h33km, mb3.6/9, Error ellipse: s-maj=10.8km s-min=6.7km az=27.6

ISC 07 12:28:29.6, 0.9, 37.69N:140.08E, h33km, n16, az=194/19, mb3.5/9, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MJAR Matsushiro Arr, MAT Matsushio, etc.

IDC 07 12:18:41.1, 0.8, 37.57N:144.28E, h0km, mb3.9/10, mb1 4.1/15, mb1mx3.9/42, mbtmp3.9/15, ML3.8/4, Error ellipse: s-maj=20.6km s-min=17.6km az=110.0

ISJCJB 07 12:18:43.7, 0.7, 37.86N:143.63E, h0km, h33km, mb3.9/10, Error ellipse: s-maj=9.1km s-min=6.3km az=25.1

JMA 07 12:18:43.5, 0.7, 37.92N:143.61E, h36km, ML3.9, ISC 07 12:18:45.3, 0.8, 37.97N:143.67E, h0km, h35km, n25, az=250/23, mb3.8/10, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IJHK Ishinomakikobu, IJHJ Hachioji jima 2, etc.

ISJCJB 07 12:25:33.9, 0.5, 19.689S:0.046E, 20W, 0.07, h115km, 4km, mb3.4/4, Error ellipse: s-maj=11.5km s-min=5.8km az=172.7

GUC 07 12:25:35.1, 0.5, 19.666S:69.23W, h106km, 3km, ML3.6, IDC 07 12:25:36.5, 0.9, 19.745S:68.69W, h125km, 9km, mb3.4/5, mb1 3.6/10, mb1mx3.4/33, mbtmp3.9/10, Error ellipse: s-maj=19.1km s-min=8.0km az=99.0

ISC 07 12:25:34.7, 0.7, 19.685S:0.046E, 19W, 0.07, h105km, 6km, n21, az=194/31, mb3.5/4, 5C-2D, North Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PB11 IPOC Station P, PB08 IPOC Station P, etc.

7d 12h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Lists station data for the east coast of Honshu.

2012 DEC

Table with columns: WHN, Wuhan, 25.25 262, P, P, 12 39 00.6 +0.3. Lists station data for Wuhan.

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Table with columns: MLY, Manley, 46.38 32 eP, P, 12 42 01.2 +1.0. Lists station data for Manley.

YKA	Yellowknife Ar	62.37 31 P	P	12 43 56.4 +0.1
YKBS	Yellowknife Ar	62.37 31 P	P	12 43 56.6 +0.5
MBWA	Marble Bar	62.68 205 eP	P	12 43 57.8 -1.0
ARA0	ARCCESS Array B	64.07 340 eP	P	12 44 09.3 +1.7
ARCES	ARCCESS Array B	64.07 340 P	P	12 44 09.3 +1.7
ARCES	ARCCESS Array B	64.07 340 eP	P	12 44 08.9 +1.3
PALK	Pallekele	64.96 49 eP	P	12 44 05.5 -4.1
NLWA	Neilton Lookou	65.33 356 i P	P	12 44 16.9 +1.2
DAG	Danmarks Havn	65.33 356 i P	P	12 44 16.9 +1.3
DAG	Danmarks Havn	65.33 356 i P	P	12 44 27.3
DAG	Danmarks Havn	65.33 356 i P	P	12 44 27.3
PINE	Pine Mountain	68.56 51 eP	P	12 44 37.6 +0.7
FIAS1	FINESS Array S	69.12 333 eP	P	12 44 40.4 +0.5
FIAS0	FINESS Array S	69.12 333 eP	P	12 44 40.2 +0.3
FIAS0	FINESS Array S	69.12 333 eP	P	12 44 40.2 +0.3
FINES	FINESS Array B	69.13 333 P	P	12 44 40.2 +0.3
K05A	Summers Lake	69.15 52 eP	P	12 44 49.1 +1.3
STKA	Stephens Creek	69.18 182 P	P	12 44 39.6 -0.8
STKA	Stephens Creek	69.18 182 eP	P	12 44 39.6 -0.8
FORT	Forrest	69.61 194 eP	P	12 44 42.6 -0.5
MOD	Modoc Plateau	69.96 52 eP	P	12 44 46.8 +1.2
SUMC	Summit	70.08 1 i P	P	12 44 47.2 +1.1
SUMG	Summit	70.08 1 i P	P	12 44 47.2 +1.1
SUMG	Summit	70.08 1 i P	P	12 44 47.2 +1.1
BBOO	Buckleboop	70.44 187 eP	P	12 44 47.7 -0.5
KIV	Kislovodsk	71.88 312 eP	P	12 44 56.1 -1.1
KBZ	Khabaz	71.89 311 P	P	12 44 58.7 +1.7
FFC	Flin Flon	72.21 34 eP	P	12 44 59.0 +0.2
FFC	Flin Flon	72.21 34 eP	P	12 44 59.0 +0.2
YERR	Yerington	72.25 54 eP	P	12 45 00.0 +0.5
HRV	Holter Researc	72.26 44 eP	P	12 45 02.2 +0.8
DLMT	Dillon	72.63 46 eP	P	12 45 02.1 +0.4
FCC	Fort Churchill	72.64 28 eP	P	12 45 01.4 +0.1
FCC	Fort Churchill	72.64 28 eP	P	12 45 01.4 +0.1
NV01	Mina Array Sit	73.17 54 eP	P	12 45 05.9 +0.8
NVAR	Mina Array Bea	73.17 54 P	P	12 45 05.7 +0.6
NC204	NORSAR Array S	74.27 338 eP	P	12 45 11.8 +0.9
NB200	NORSAR Array S	74.33 338 eP	P	12 45 11.6 +0.3
NOA	NORSAR Array B	74.33 338 eP	P	12 45 11.6 +0.3
FXWY	Fox Creek	74.56 47 eP	P	12 45 13.8 +0.6
RLMT	Red Lodge	74.65 45 eP	P	12 45 14.6 +1.0
LOHW	Long Hollow	74.82 46 eP	P	12 45 15.2 +0.5
TOO	Toolangi	74.85 179 eP	P	12 45 14.3 -0.1
TOO	Toolangi	74.85 179 eP	P	12 45 14.3 -0.1
AKASG	Malin Array Be	74.93 323 i P	P	12 45 10.8 -4.0
AKASG	Malin Array Be	74.93 323 i P	P	12 45 10.8 -4.0
AKKB	Malin Array Si	74.93 323 eP	P	12 45 15.6 +0.8
AKKB	Malin Array Si	74.93 323 eP	P	12 45 15.6 +0.8
KIEV	Kiev	74.94 323 i P	P	12 45 14.9 0.0
KIEV	Kiev	74.94 323 i P	P	12 45 14.9 0.0
DUG	Dugway, Tooele	75.58 50 eP	P	12 45 19.9 +0.9
DUG	Dugway, Tooele	75.58 50 eP	P	12 45 19.9 +0.9
BW06	Boulder	75.94 47 eP	P	12 45 21.5 +0.4
PDAR	Pinedale Array	75.94 47 eP	P	12 45 21.5 +0.4
PDAR	Pinedale Array	75.94 47 eP	P	12 45 21.5 +0.4
KIS	Kishinev	77.61 321 eP	P	12 45 21.1 -0.1
KIS	Kishinev	77.61 321 eP	P	12 45 21.1 -0.1
SRU	San Rafael Swe	77.64 50 eP	P	12 45 31.3 +0.6
SRU	San Rafael Swe	77.64 50 eP	P	12 45 31.3 +0.6
ULM	Lac du Bonnet	77.99 34 P	P	12 45 33.6 +1.4
PV21	Cone Mtn., Par	78.92 50 eP	P	12 45 38.5 +0.5
BUR08	Bucovina Ar. S	78.95 323 eP	P	12 45 38.7 +1.0
BUR04	Bucovina Ar. S	78.95 323 eP	P	12 45 38.3 +0.5
BURAR	Bucovina Array	78.96 323 i P	P	12 45 39.4 +1.7
PV10	Paradox Valley	79.00 50 eP	P	12 45 39.2 +0.8
PV14	Lion Creek, Pa	79.02 50 eP	P	12 45 38.9 +0.5
PV17	East Wray Mesa	79.11 50 eP	P	12 45 39.0 +0.1
PV13	Radium Mtn., P	79.27 50 eP	P	12 45 40.4 +0.5
VRI	Vrincioia	79.44 321 i P	P	12 45 42.8 +2.5
VRI	Vrincioia	79.44 321 i P	P	12 45 42.8 +2.5
PV01	Paradox Valley	79.44 50 eP	P	12 45 41.1 +0.4
BR101	Keskin Array S	79.81 313 eP	P	12 45 43.8 +1.3
BRTR	Keskin Array B	79.81 313 P	P	12 45 43.8 +1.3
ARR	Arges	80.84 328 i P	P	12 45 51.7 +3.8
MORC	Moravsky Berou	80.84 328 i P	P	12 45 50.8 +3.0
MORC	Moravsky Berou	80.84 328 i P	P	12 45 50.9 +3.1
VYHS	Vyhne	81.25 326 eP	P	12 45 52.8 +2.8
VYHS	Vyhne	81.25 326 eP	P	12 45 52.8 +2.8
BRG	Bergjesshubel	81.45 330 eP	P	12 45 53.6 +2.6
BRG	Bergjesshubel	81.45 330 eP	P	12 45 53.6 +2.6
BRG	Bergjesshubel	81.45 330 eP	P	12 45 53.6 +2.6
CLL	Collim	81.47 331 eP	P	12 45 53.0 +1.9
CLL	Collim	81.47 331 eP	P	12 45 53.0 +1.9
CLL	Collim	81.47 331 eP	P	12 45 53.0 +1.9
VRAC	Vranov	81.59 328 i P	P	12 45 55.1 +3.3
VRAC	Vranov	81.59 328 i P	P	12 45 55.1 +3.3
BZS	Buzias	82.12 323 i P	P	12 45 57.9 +3.3
BZS	Buzias	82.12 323 i P	P	12 45 57.9 +3.3
ECSD	EROS Data Cent	82.31 39 eP	P	12 45 55.6 0.0
MDVR	Moldovita	82.69 322 i P	P	12 45 59.3 +1.6
CONA	Conrad Observa	82.97 328 i P	P	12 45 59.2 +0.1
CONA	Conrad Observa	82.97 328 i P	P	12 45 59.2 +0.1
GERES	GERESS Array B	83.15 329 P	P	12 46 01.8 +1.7
VTS	Vitosha	83.54 320 i P	P	12 46 01.8 -0.5
VTS	Vitosha	83.54 320 i P	P	12 46 01.8 -0.5
ARSA	Arzberg	83.64 327 i P	P	12 46 03.2 +0.7
ARSA	Arzberg	83.64 327 i P	P	12 46 03.2 +0.7

SOKA	Soboth	84.30 327 ePcP	P	12 46 07.7 +1.8
SOKA	Soboth	84.30 327 ePcP	P	12 46 07.7 +1.8
RETA	Reutts	85.41 330 i P	P	12 46 14.2 -0.3
RETA	Reutts	85.41 330 i P	P	12 46 14.2 -0.3
BFO	Black Forest	85.66 332 i P	P	12 46 16.3 +3.6
FETA	Feichten	85.81 330 ePcP	P	12 46 14.7 +1.1
FETA	Feichten	85.81 330 ePcP	P	12 46 14.7 +1.1
FATA	Famuss	85.92 330 ePcP	P	12 46 26.3 +0.4
DAVA	Damuz	85.92 330 ePcP	P	12 46 26.3 +0.4
TX31	Lajitas Ar. Si	86.30 54 eP	P	12 46 25.4 -0.5
LTX	Lajitas	86.31 54 eP	P	12 46 26.2 +0.2
LTX	Lajitas	86.31 54 eP	P	12 46 26.2 +0.2
TXAR	Lajitas Array	88.51 54 P	P	12 46 26.2 +0.3
VNA2	Neumayer-Watz	143.39 195 PKP	PKPbc	12 53 04.4 -0.1
VNA1	Neumayer Olymp	143.60 194 PKP	PKPab	12 53 04.4 +0.2
VNA3	Neumayer-Stat	143.78 195 PKP	PKPbc	12 53 05.5 -0.1
LPAZ	La Paz	144.81 62 PKP	PKPab	12 53 10.6 -0.5
LPAZ	La Paz	144.81 62 PKP	PKPab	12 53 10.6 -0.5

IDC 07 12:36:06.5:0.6,37:79N:143:66E,h0km,mb4,1/21,
 mb1 4.2/28,mb1mx4.2/49,mbtmp4,1/28,ML3,7/6,Error
 ellipse: s-maj=15.8km s-min=12.6km az=133.0,
 IS/CJB 07 12:36:07.8:0.2,37:82N:0:03:143:57E:0:03,h19km,
 mb4,2/57,Error ellipse: s-maj=3.8km s-min=2.8km
 az=160.0
 JMA 07 12:36:09.4:0.2,37:90N:143:53E,h35km, M4.3
 MOS 07 12:36:09.1:1.3,37:89N:143:64E,h28km,mb4,4/13,Error
 ellipse: s-maj=10.2km s-min=6.7km az=81.4
 NIC 07 12:36:11.8:0.1,37:80N:143:62E,h35km,mb4,4/38,Error
 ellipse: s-maj=3.7km s-min=2.5km az=145.0
 NEIC 07 12:36:09.8:0.5,37:91N:0:05:143:58E:0:06,h19km,n143,
 r156/164,mb4,3/57,Off east coast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
					h	m	s
JKH	Ishinomakiboku	1.71	284	P	12 36 37.6	-0.9	Pn
JKH	Ishinomakiboku	1.71	284	P	12 36 58.0	-1.9	Sn
JKM	Ouri	1.84	288	P	12 36 43.5	-0.7	Pn
JKMT	Kesennumamotoy	1.88	299	P	12 36 39.8	-1.0	Pn
JKMT	Kesennumamotoy	1.88	299	P	12 37 02.2	-1.8	Sn
OFUJ	Ofunato	1.90	309	P	12 36 40.2	-0.9	Pn
OFUJ	Ofunato	1.90	309	P	12 37 02.9	-1.6	Sn
ICHN	Ichinoseki	2.12	300	eS	12 37 09.0	-1.0	Pn
JMK	JMK	2.37	312	P	12 37 15.1	-1.1	Pn
JOM	Ohasama	2.37	312	P	12 36 47.3	-0.3	Pn
JOM	Ohasama	2.37	312	P	12 37 15.1	-1.1	Pn
JFT	Otama	2.60	262	P	12 36 51.5	+0.7	Pn
JFT	Otama	2.60	262	P	12 37 20.3	-1.5	Sn
JYK	Kaneyama	2.72	293	eS	12 37 45.5	+1.3	Pn
JYK	Kaneyama	2.72	293	eS	12 37 45.5	+1.3	Pn
JYK	Kaneyama	2.72	293	eS	12 37 45.5	+1.3	Pn
JANG	Nango	2.93	328	P	12 36 56.7	+1.3	Pn
JANG	Nango	2.93	328	P	12 37 07.9	-0.7	Pn
JNS	Sasagawa	3.37	270	P	12 37 01.5	+0.1	Pn
JNS	Sasagawa	3.37	270	P	12 37 03.9	-0.8	Pn
JAG	Ashikaga	3.61	247	P	12 37 45.5	+1.3	Pn
JAG	Ashikaga	3.61	247	P	12 37 45.5	+1.3	Pn
BSO1	Boso 1	3.87	214	P	12 37 07.0	-0.7	Pn
BSO1	Boso 1	3.87	214	P	12 37 50.3	-2.1	Pn
JOT	Ohata	3.98	331	P	12 37 11.1	+1.4	Pn
ERM	Erimo	4.11	356	ePn	12 37 12.8	+1.3	Pn
ERM	Erimo	4.11	356	ePn	12 37 12.8	+1.3	Pn
ERM	Erimo	4.11	356	ePn	12 37 12.8	+1.3	Pn
JRY	Ryogami san	4.19	245	P	12 37 12.0	-0.7	Pn
JRY	Ryogami san	4.19	245	P	12 37 58.2	-3.0	Pn
JKB	Kayabe	4.43	335	P	12 37 17.7	+1.9	Pn
ODW	Odawara 2	4.47	235	P	12 37 17.0	+0.7	Pn
JOD2	Odawara 2	4.47	235	P	12 38 03.6	-4.5	Pn
MJAR	Matsushiro Arr	4.50	254	Pn	12 37 17.8	+0.9	Pn
MJAR	Matsushiro Arr	4.50	254	Pn	12 38 09.2	+0.6	Pn
MAJO	Matsushiro	4.50	254	ePn	12 37 17.6	+0.8	Pn
MAJO	Matsushiro	4.50	254	ePn	12 38 09.2	+0.6	Pn
MAJO	Matsushiro	4.50	254	ePn	12 37 17.7	+0.8	Pn
MAJO	Matsushiro	4.50	254	ePn	12 38 09.2	+0.6	Pn
MJB	Matsu-Tunnel	4.50	254	ePn	12 37 17.6	+0.7	Pn
JCH	Churui	4.70	358	P	12 37 18.6	-1.0	Pn
JCH	Churui	4.70	358	P	12 38 08.7	-4.9	Pn
JHJ2	Mitsune	5.69	214	ePn	12 37 31.0	-2.2	Pn
JHJ	Hachioji jima 2	5.69	214	Pn	12 37 30.9	-2.4	Pn
JHJ	Hachioji jima 2	5.69	214	Pn	12 38 31.3	-6.9	Pn
INU	Inuyama	5.86	246	ePn	12 37 36.0	+0.4	Pn
ASAJ	Asahikawa	6.24	354	Pn	12 37 40.8	0.0	Pn
ASAJ	Asahikawa	6.24	354	Pn	12 38 49.7	-1.9	Pn
ASAJ	Asahikawa	6.24	354	Pn	12 37 41.3	+0.5	Pn
ASAJ	Asahikawa	6.24	354	Pn	12 38 49.3	-2.3	Pn
YUK	Yuzh-Kuril'sk	6.36	15	eS	12 37 39.6	-2.5	Pn
YUK	Yuzh-Kuril'sk	6.36	15	eS	12 38 47.1	-7.3	Pn
SHO	Shikotan	6.44	21	eP	12 37 40.9	-2.6	Pn
SHO	Shikotan	6.44	21	eP	12 38 48.7	-7.8	Pn
USA0B	Ussuriysk Arra	10.76	309	ePn	12 38 44.8	+2.0	Pn
USRK	Ussuriysk Arr	10.76	309	Pn	12 38 44.3	+1.5	Pn
USRK	Ussuriysk Arr	10.76	309	Pn	12 40 40.1	-2.6	Pn
KSR5	Korea Array	14.21	273	Pn	12 39 07.8	+2.5	Pn
KS15	Wonju Array Si	12.44	273	Pn	12 39 07.5	+1.7	Pn
KSAR	Wonju Array Be	12.44	273	Pn	12 39 07.8	+2.0	Pn
KSAR	Wonju Array Be	12.44	273	Pn	12 39 07.8	+2.0	Pn
KLR	Kul'dur	14.17	327	Pn	12 39 29.3	-0.1	Pn
PETK	Petrovlovsk	18.08	28	ePn	12 40 21.0	+0.9	Pn
PETK	Petrovlovsk	18.08	28	ePn	12 40 21.2	+1.2	Pn
PETK	Petrovlovsk	18.08	28	ePn	12 40 21		

IDC 07 12:47:41.0,0.6,37.67N:143.93E,h0km,mb4,1/25, mb1 4.3/32,mb1mx4.2/47,mbmp4.2/32,ML4.1/5,Error ellipse: s-maj=15.0km s-min=12.0km az=136.0
 MOS 07 12:47:43.4,0.9,37.78N:143.85E,h25km,mb4,5/17,Error ellipse: s-maj=8.7km s-min=6.5km az=113.1
 JMA 07 12:47:44.3,0.2,37.82N:143.76E,h45km,ML4.3
 NEIC 07 12:47:46.4,0.1,37.68N:143.85E,h35km,mb4,5/43,Error ellipse: s-maj=4.1km s-min=2.5km az=148.0
 ISC 07 12:47:45.4,0.1,37.81N:0.05:143.81E,0.06,h25km,6km,
 n174,0.13/13/16,mb4,4/66,Off east coast of Honshu

Code	Station Name	A ¹	Z ²	Phase ID	ISC	h	m	s	ISC	Res
JIKH	Ishinomakikobu	1.92	286	Op	Pn	12	48	14.7	-1.7	
JIKH	Ouri	2.05	289	P	Sn	12	48	17.2	-2.5	
JIO	Ouri	2.05	289	P	Sn	12	48	16.8	-1.4	
JIO	Ouri	2.05	289	P	Sn	12	48	41.0	-1.9	
JKMT	Kesennumamototy	2.09	299	P	Sn	12	48	17.4	-1.4	
JKMT	Ofunato	2.11	308	P	Pn	12	48	17.6	-1.4	
OFUJ	Ofunato	2.11	308	P	Pn	12	48	17.6	-1.4	
OFUJ	Ofunato	2.11	308	P	Pn	12	48	17.6	-1.4	
JMK	Ichinoseki	2.33	310	P	Sn	12	48	20.9	-1.2	
JMK	Ohasama	2.58	300	P	Sn	12	48	24.8	-0.7	
JOM	Ohasama	2.58	300	P	Sn	12	48	24.8	-0.7	
JOM	Ohasama	2.58	300	P	Sn	12	48	24.8	-0.7	
JFT	Otama	2.77	265	P	Sn	12	48	54.5	-1.6	
JFT	Kaneyama	2.93	293	P	Sn	12	48	59.2	-1.7	
JYK	Kaneyama	2.93	293	P	Sn	12	48	59.2	-1.7	
JYK	Kaneyama	2.93	293	P	Sn	12	48	59.2	-1.7	
JANG	Nango	3.12	326	P	Sn	12	49	32.5	-0.5	
JANG	Nango	3.12	326	P	Sn	12	49	32.5	-0.5	
JOT	Otama	4.16	330	P	Pn	12	48	40.0	+0.8	
ERM	Erimo	4.23	353	ePn	Pn	12	48	46.7	-1.5	
ERM	Erimo	4.23	353	ePn	Pn	12	48	46.7	-1.5	
JRY	Ryogami san	4.32	247	P	Sn	12	49	04.0	-1.5	
JRY	Ryogami san	4.32	247	P	Sn	12	49	04.0	-1.5	
JOD2	Odawara 2	4.57	238	P	Pn	12	48	50.6	-2.4	
JKB	Kayabe	4.60	333	P	Pn	12	48	52.5	-0.8	
MJAR	Matsushiro Arr	4.65	256	P	Pn	12	48	54.0	0.0	
MJAR	Matsushiro Arr	4.65	256	P	Pn	12	48	54.0	0.0	
MJAR	Matsushiro Arr	4.65	256	P	Pn	12	48	54.0	0.0	
MJAR	Matsushiro Arr	4.65	256	P	Pn	12	48	54.0	0.0	
MAJO	Matsushiro	4.65	256	ePn	Sn	12	48	54.0	+0.6	
MAJO	Matsushiro	4.65	256	ePn	Sn	12	48	54.0	+0.6	
MAJO	Matsushiro	4.65	256	ePn	Sn	12	48	54.0	+0.6	
MAT	Matsushiro	4.65	256	P	Pn	12	48	54.1	+0.1	
MAT	Matsushiro	4.65	256	P	Pn	12	48	54.1	+0.1	
MJB	Matsu-Tunnel	4.65	256	ePn	Sn	12	48	54.1	+0.6	
JCH	Churui	4.81	356	P	Pn	12	48	54.5	-1.7	
JHJ2	Mitsune	5.71	216	ePn	Pn	12	49	06.1	-2.5	
JHJ2	Mitsune	5.71	216	ePn	Pn	12	49	06.1	-2.5	
JHJ2	Mitsune	5.71	216	ePn	Pn	12	49	06.1	-2.5	
NEM2	Hachijo jima 2	5.72	216	Pn	Pn	12	49	04.6	-4.1	
NEM2	Hachijo jima 2	5.72	216	Pn	Pn	12	49	04.6	-4.1	
INU	Inuyama	5.99	248	ePn	Pn	12	49	12.3	-0.1	
ASAJ	Asahikawa	6.37	352	Pn	Pn	12	49	17.0	-0.6	
ASAJ	Asahikawa	6.37	352	Pn	Pn	12	49	17.0	-0.6	
ASAJ	Asahikawa	6.37	352	Pn	Pn	12	49	17.0	-0.6	
USRK	Ussuriysk Arr.	10.97	309	Pn	Pn	12	50	22.0	+1.3	
JNU	Nakatsue	11.53	250	Pn	Pn	12	50	27.7	-0.8	
JNU	Nakatsue	11.53	250	Pn	Pn	12	50	27.7	-0.8	
JNU	Nakatsue	11.53	250	Pn	Pn	12	50	27.7	-0.8	
KRSR	Korea Array	12.60	273	Pn	Pn	12	50	45.0	+2.0	
KRSR	Korea Array	12.60	273	Pn	Pn	12	50	45.0	+2.0	
KRSR	Korea Array	12.60	273	Pn	Pn	12	50	45.0	+2.0	
KSAR	Wonju Array B	12.64	273	Pn	Pn	12	50	45.0	+1.5	
KSAR	Wonju Array B	12.64	273	Pn	Pn	12	50	45.0	+1.5	
KSAR	Wonju Array B	12.64	273	Pn	Pn	12	50	45.0	+1.5	
KLAR	Kul di Kur	14.36	326	Pn	Pn	12	51	05.5	-1.5	
KLAR	Kul di Kur	14.36	326	Pn	Pn	12	51	05.5	-1.5	
PETK	Petropavlovsk-	18.09	28	P	Pn	12	51	54.8	+0.1	
PETK	Petropavlovsk-	18.09	28	P	Pn	12	51	54.8	+0.1	
PEA1	Petropavlovsk-	18.09	28	ePn	Pn	12	51	54.8	+0.1	
PEA1	Petropavlovsk-	18.09	28	ePn	Pn	12	51	54.8	+0.1	
ZEA	Zeyta	19.37	309	Pn	Pn	12	52	26.9	0.3	
HIA	Hailar	20.78	311	eP	Pn	12	52	26.9	0.0	
HIA	Hailar	20.78	311	eP	Pn	12	52	26.9	0.0	
HIA	Hailar	20.78	311	eP	Pn	12	52	26.9	0.0	
BJT	Baijiatu	21.59	284	eP	P	12	52	33.2	0.0	
BJT	Baijiatu	21.59	284	eP	P	12	52	33.2	0.0	
BJT	Baijiatu	21.59	284	eP	P	12	52	33.2	0.0	
SEY	Seymchan	25.69	9	P	P	12	53	14.0	+0.8	
SEY	Seymchan	25.69	9	P	P	12	53	14.0	+0.8	
SEY	Seymchan	25.69	9	P	P	12	53	14.0	+0.8	
BOD	Doibaio	27.93	325	eP	P	12	54	38.4	-1.0	
BOD	Doibaio	27.93	325	eP	P	12	54	38.4	-1.0	
ULN	Ulaanbaatar	28.52	302	eP	P	12	53	40.3	+1.4	
ULN	Ulaanbaatar	28.52	302	eP	P	12	53	40.3	+1.4	
ULN	Ulaanbaatar	28.52	302	eP	P	12	53	40.3	+1.4	
SONA1	Songino Array	28.96	302	P	P	12	53	43.5	+0.7	
SONA2	Songino Array	28.96	302	P	P	12	53	42.8	0.0	
SONM	Songino Array	28.96	302	P	P	12	53	42.8	0.0	
ENH	Enshi	29.90	265	eP	P	12	53	47.3	+1.4	
TLY	Talaya	31.29	309	P	P	12	54	05.5	+2.4	
ZAK	Zakamensk	31.31	307	eP	P	12	54	04.9	+1.4	
ZAK	Zakamensk	31.31	307	eP	P	12	54	04.9	+1.4	
ZAK	Zakamensk	31.31	307	eP	P	12	54	04.9	+1.4	
ZAK	Zakamensk	31.31	307	eP	P	12	54	04.9	+1.4	
ZAAO	Zalesovo Array	42.81	312	eP	P	12	55	41.4	+0.6	
ZAAO	Zalesovo Array	42.81	312	eP	P	12	55	41.4	+0.6	
ZAAO	Zalesovo Array	42.81	312	eP	P	12	55	41.4	+0.6	
ZAA1	Zalesovo Array	42.81	312	eP	P	12	55	41.1	+0.2	
ZALV	Zalesovo Beam	42.81	312	eP	P	12	55	41.1	+0.2	
ZALV	Zalesovo Beam	42.81	312	eP	P	12	55	41.1	+0.2	
ZALV	Zalesovo Beam	42.81	312	eP	P	12	55	41.1	+0.2	
ZALV	Zalesovo Beam	42.81	312	eP	P	12	55	41.1	+0.2	
CHTO	Chiang Mai	43.33	257	eP	P	12	55	45.4	-0.1	
CHTO	Chiang Mai	43.33	257	eP	P	12	55	45.4	-0.1	
CHTO	Chiang Mai	43.33	257	eP	P	12	55	45.4	-0.1	
CM31	Chiang Mai Arr	43.54	256	eP	P	12	55	47.5	+0.3	
CMAR	Chiang Mai Arr	43.54	256	eP	P	12	55	48.0	+0.8	
CM01	Chiang Mai Arr	43.55	256	eP	P	12	55	47.6	+0.4	
SVW2	Chiang Mai Arr	43.74	38	P	P	12	55	49.6	+1.3	
OHAK	Old Harbor	44.89	43	eP	P	12	55	57.8	+0.3	
IM3	Indian Mountain	45.01	31	P	P	12	55	58.6	+0.3	
RSO	Redoubt South	45.11	39	P	P	12	56	00.4	+0.9	
KDAK	Kodiak Island	45.24	43	P	P	12	56	00.2	-0.1	
MK01	Makanchi Array	45.33	302	eP	P	12	56	01.4	+0.2	
MK31	Makanchi Array	45.33	302	eP	P	12	56	01.9	+0.7	
MK31	Makanchi Array	45.33	302	eP	P	12	56	01.9	+0.7	
MK32	Makanchi Array	45.33	302	eP	P	12	56	01.6	+0.4	
MKAR	Makanchi Array	45.33	302	eP	P	12	56	01.6	+0.4	
PPLA	Purkeypile	45.44	35	eP	P	12	56	03.3	+1.3	
MAKZ	Makanchi	45.54	302	eP	P	12	56	03.0	+0.2	
MAKZ	Makanchi	45.54	302	eP	P	12	56	03.0	+0.2	
MAKZ	Makanchi	45.54	302	eP	P	12	56	03.0	+0.2	
SKT	Skwentna	45.72	37	eP	P	12	56	05.4	+1.3	
SUA	Susitna One	46.09	37	eP	P	12	56	08.0	+0.8	
MLY	Marathon	46.18	32	eP	P	12	56	07.6	-0.1	
TRF	Thorofore Moun	46.32	35	eP	P	12	56	09.3	+0.3	
RC01	Rabbit Creek A	46.58	38	eP	P	12	56	11.1	+0.2	
PMR	Palmer	46.86	37	eP	P	12	56	13.7	+0.7	
PMR	Palmer	46.86	37	eP	P	12	56	13.7	+0.7	
PMR	Palmer	46.86	37	eP	P	12	56	13.7	+0.7	

GHO	Glory Hole Cre	46.95	37	eP	P	12	56	14.4	+0.6	
KURK	Kurchatov	46.96	308	eP	P	12	56	14.7	+0.7	
KURK	Kurchatov	46.96	308	eP	P	12	56	14.7	+0.7	
RND	Reindeer	46.96	35	eP	P	12	56	14.2	+0.3	
RND	Reindeer	46.96	35	eP	P	12	56	14.2	+0.3	
RND	Reindeer	46.96	35	eP	P	12	56	14.2	+0.3	
KURB	Kurchatov Arr	47.03	308	P	P	12	56	14.7	+0.1	
KNK	Knik Glacier	47.19	37	eP	P	12	56	16.7	+1.1	
SML	Sawmill	47.23	37	eP	P	12	56	16.1	+0.1	
SML	Sawmill	47.23	37	eP	P	12	56	16.1	+0.1	
MRD	Murphy Dome	47.24	32	eP	P	12	56	17.1	+1.1	
WRM	Wood River Hill	47.30	33	eP	P	12	56	17.8	+1.4	
SCM	Sheep Creek Mo	47.71	37	eP	P	12	56	20.2	+0.5	
SCM	Sheep Creek Mo	47.71	37	eP	P	12	56	20.2	+0.5	
ILAR	Eielson Array	47.81	33	P	P	12	56	20.8	+0.4	
ILB	Eielson Array	47.81	33	P	P	12	56	20.5	+0.1	
ILB	Eielson Array	47.81	33	P	P	12	56	21.0	+0.6	
KLU	Klutina	48.40	37	eP	P	12	56	25.4	+0.3	
DIK	Divide	48.50	38	eP	P					

7d 12h

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like BMRM, DOT, PKI, KKN, PKIN, MENT, TRTT, KDJ, KDJ, WAX, DANN, EGAK, SOEI, KULM, KOLN, TKM2, IPM, NRN, NRN, DAWY, KBK, OTUK, BRVK, BRVK, BRVK, BRVK, FRU1, FRU1, FRU1, AAK, AAK, AAK, KSH, KSH, KSH, KSH, KSH, KSH, EKS2, AML, HYT, INK, MNAS, ARSB, SFK, SFK, PSI, PSI, WHY, KK31, KK31, KKAR, KKAR, UGM, BTK, BTK, GSI, SVE, SVE, NIL, NIL, DLBC, WRAB, WRAB, WRB2, WR1, WRA, WRA, KBL, KBL, ABKAR, HBR, PRGR, PRGR, RES, RES, AS01, AS31.

2012 DEC

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like ASAR, ASAR, YKW3, YKA, YKB5, MBWA, POO, ARAO, ARCES, KLMR, KLMR, GEYT, GYA0B, DAG, DAG, DAG, LON, LON, LON, LTY, B08A, E07A, MOS, MOS, C09A, ARMA, JCC, VRH, NEW, NEW, PINE, PINE, OBN, OBN, OBN, E09A, LPSR, LPSR, FIA1, FIA0, FIA0, FIA0, STKA, STKA, K05A, FORT, VSR, VSR, WALA, MOD, SUMG, SUMG, SUMG, SUMG, AKT, AKT, AKT, BMO, BMO, J08A, BBOO, ORV, ORV, ORV, WVOR, WVOR, WVOR, MSO, BEKR, GOFK, NCK, NCK, SCO, SCO, SCO, KIV, KIV, KIV, KIB, CMB, CMB, FFC, FFC, FFC, YERR, HRY, HRY, HLID, DLMT, FCC, FCC, FCC.

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Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like FCC, AKH, AKH, AKH, RYN, KVN, KVN, BOZ, BOZ, NV01, NVAR, NV11, YHB, YMR, YNR, NC405, NC204, NB2, NB200, NB200, FXWY, RLMT, HVU, HVU, MOOV, LOHW, REDW, AKASO, AKBB, KIEV, KIEV, R11A, AHID, DGMT, LAO, TPNV, TPNV, HWUT, DUG, DUG, DUG, TCUT, PSUT, BW06, PD31, PDAR, PDAR, JLU, NLU, SHPR, MPU, CCUT, SZCU, MSU, MSU, TMUT, LCMT, MTPU, P17A, Q16A, KNB, KNB, SRU, SRU, K22A, BEL, MDND, ULM, ULM, ULM, RSSD, RSSD, U15A, Q20A, Y12C, KWP, KWP, TLCR, TPCR, PV09, PV21, BUR08, BUR04, BURAR, BURAR, PV23, BIZ, PV10, PV14, PV20.

PRZ	comp=Z,43nm,1.4s								
BMRM	Bremner River	49.10	38	eP	P	13 06 51.4	+0.7		
DOT	Dot Lake	49.11	34	eP	P	13 06 50.7	0.0		
MENT	Mentasta	49.32	35	eP	P	13 06 53.0	+0.7		
HMT	Hamilton	49.34	39	eP	P	13 06 53.5	+1.0		
PKI	Pulchoki	49.40	276	eP	P	13 06 54.2	+0.4		
KKK	Kakani	49.40	276	eP	P	13 06 54.4	+0.8		
HNR	Honiara	49.44	159	eP	P	13 06 52.7	-1.0		
DMN	Daman	49.62	276	eP	P	13 06 56.5	+1.1		
KDJ	Kajisay	49.97	297	eP	P	13 06 58.5	+0.7		
KDJ	Kajisay	49.97	297	eP	P	13 06 58.5	+0.7		
WAX	Waxell Ridge	50.02	38	eP	P	13 06 58.9	+1.1		
EGAK	Eagle	50.27	33	eP	P	13 06 59.4	-0.1		
DANN	Dangising	50.34	278	eP	P	13 07 01.5	+0.6		
MMRI	Muamere	50.41	208	eP	P	13 07 01.1	0.0		
SOEI	Soe	50.73	205	eP	P	13 07 03.3	-0.3		
KULM	Kulim	50.80	241	eP	P	13 07 03.7	-0.3		
KULM	Kulim	50.80	241	eP	P	13 07 07.0	+2.9		
TKM2	Tokmak 2	50.83	298	eP	P	13 07 05.6	+1.3		
NRN	Naryn	51.03	297	eP	P	13 07 07.8	+1.8		
NRN	Naryn	51.03	297	eP	P	13 07 07.8	+1.8		
NRN	Naryn	51.03	297	eP	P	13 07 07.8	+1.8		
PYUN	Pluthan	51.05	278	eP	P	13 07 06.7	+0.5		
DAWY	Dawson	51.12	33	eP	P	13 07 06.7	+0.7		
IPM	Ipoth	51.12	240	eP	P	13 07 06.3	-0.2		
MYKOM	Kota Tinggi	51.21	235	eP	P	13 07 07.0	-0.2		
KZA	Kyzart	51.35	298	eP	P	13 07 07.6	-0.8		
BATI	Baumata	51.36	206	eP	P	13 07 07.9	-0.3		
KBK	Karagaybulak	51.37	298	eP	P	13 07 09.7	+1.4		
OTUK	Ortayu	51.41	306	eP	P	13 07 09.1	+0.8		
BRVK	Borovoye	51.41	312	eP	P	13 07 08.5	+0.3		
BRVK	Borovoye	51.41	312	eP	P	13 07 08.5	+0.3		
USP	Ospenovka	51.48	299	eP	P	13 07 09.8	+0.9		
FRU1	Bishkek	51.54	299	eP	P	13 07 10.2	+0.7		
FRU1	Bishkek	51.54	299	eP	P	13 07 10.2	+0.7		
FRU	Bishkek	51.54	299	eP	P	13 07 11.0	+1.6		
FRU	Bishkek	51.54	299	eP	P	13 07 11.0	+1.6		
COEN	Coen	51.55	181	eP	P	13 07 09.8	+0.3		
AAK	Ala-Archa	51.69	298	eP	P	13 07 11.4	+0.7		
AAK	Ala-Archa	51.69	298	eP	P	13 07 11.0	+0.3		
AAK	Ala-Archa	51.69	298	eP	P	13 07 11.4	+0.7		
AAK	Ala-Archa	51.69	298	eP	P	13 07 11.0	+0.3		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP	P	13 08 27.2	+3.1		
KSH	Kashi	51.72	294	eP	P	13 14 35.0	+3.7		
KSH	Kashi	51.72	294	eP	P	13 07 16.0	+5.1		
KSH	Kashi	51.72	294	eP	P	13 07 26.3	+5.1		
KSH	Kashi	51.72	294	eP					

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASAJ Ashikawa, MKAR Makanchi Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JFT Kawachi, JIKH Otama, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JAG Ashikaga, JRY Ryogami san, JRY Matsushiro Arr, etc.

IDC 07 13:42:26.5-0.8, 37.71N:143.94E, h0km, mb3.8/8, mb1 4.0/10, mb1mx3.8/49, mbtmp3.8/10, ML4.2/2, Error ellipse: s-maj=26.2km s-min=17.6km az=120.0

IDC 07 13:55:33.3-1.75, 50.41N:58.03E, h0km, Error ellipse: s-maj=0.0km s-min=0.0km az=113.0, Western Kazakhstan

IDC 07 14:04:19.1-0.9, 37.56N:143.81E, h0km, mb3.5/6, mb1 3.7/8, mb1mx3.6/52, mbtmp3.5/8, ML3.6/2, Error ellipse: s-maj=26.8km s-min=18.5km az=120.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JIKM Kesennumamotoy, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like I31KZ AKTYUBINSK INF, I46RU ZALESOVO INFRA16.76, I34MN SONGINO INFRA3.74, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JAG Zalesovo Beam, CMAR Chiang Mai Arr, MKAR Makanchi Array, etc.

IDC 07 13:47:42.4-1.7, 37.68N:143.92E, h0km, mb3.4/2, mb1 3.6/4, mb1mx3.3/39, mbtmp3.4/4, ML4.2/2, Error ellipse: s-maj=40.3km s-min=26.4km az=84.0

MOS 07 13:57:22.7-2.6, 54.81N:165.61E, h41km, mb4.3/1, Error ellipse: s-maj=11.8km s-min=8.7km az=159.4

IDC 07 14:04:22.0-0.7, 37.73N:143.61E, h0km, mb3.5/6, mb3.5/6, Error ellipse: s-maj=6.3km s-min=5.7km az=2.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASAJ Ashikawa, MKAR Makanchi Array, ILAR Eielson Array, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JIKM Kesennumamotoy, etc.

IDC 07 13:47:46.3-1.4, 37.74N:144.01E, h0km, mb3.5/2, Error ellipse: s-maj=7.1km s-min=5.4km az=6.5

IDC 07 13:57:25.0-0.8, 37.36N:144.00E, h0km, mb3.6/10, mb1 3.8/12, mb1mx3.7/33, mbtmp3.6/12, ML2.9/2, MS3.6/1, Ms1 3.6/1, ms1mx2.8/52, Error ellipse: s-maj=21.7km s-min=18.3km az=129.0

IDC 07 14:05:06.4-0.2, 37.96N:144.02E, h44km, M3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASAJ Ashikawa, MKAR Makanchi Array, ILAR Eielson Array, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JIKM Kesennumamotoy, etc.

IDC 07 13:51:33.5-2.1, 37.74N:143.99E, h0km, mb3.4/2, mb1 3.6/4, mb1mx3.3/35, mbtmp3.4/4, ML3.4/2, Error ellipse: s-maj=55.5km s-min=33.5km az=82.0

IDC 07 13:57:27.0-0.7, 37.75N:143.61E, h0km, mb3.6/10, MS3.6/1, MS3.6/1, Error ellipse: s-maj=6.5km s-min=5.6km az=169.4

IDC 07 14:06:06.3-0.2, 37.67N:143.64E, h46km, M3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASAJ Ashikawa, MKAR Makanchi Array, ILAR Eielson Array, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JIKM Kesennumamotoy, etc.

IDC 07 13:52:29.7-1.0, 37.42N:143.56E, h0km, mb3.8/3, mb3.4/4, Error ellipse: s-maj=9.0km s-min=7.0km az=28.6

IDC 07 13:57:25.0-0.8, 37.36N:144.00E, h0km, mb3.6/10, mb1 3.8/12, mb1mx3.7/33, mbtmp3.6/12, ML2.9/2, MS3.6/1, Ms1 3.6/1, ms1mx2.8/52, Error ellipse: s-maj=21.7km s-min=18.3km az=129.0

IDC 07 14:06:06.3-0.2, 37.67N:143.64E, h46km, M3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASAJ Ashikawa, MKAR Makanchi Array, ILAR Eielson Array, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JIKM Kesennumamotoy, etc.

IDC 07 13:52:26.0-1.6, 37.46N:143.97E, h0km, mb3.5/4, mb1 3.7/6, mb1mx3.5/35, mbtmp3.6/6, ML3.5/2, Error ellipse: s-maj=39.3km s-min=20.5km az=75.0

IDC 07 13:57:25.0-0.8, 37.36N:144.00E, h0km, mb3.6/10, mb1 3.8/12, mb1mx3.7/33, mbtmp3.6/12, ML2.9/2, MS3.6/1, Ms1 3.6/1, ms1mx2.8/52, Error ellipse: s-maj=21.7km s-min=18.3km az=129.0

IDC 07 14:06:06.3-0.2, 37.67N:143.64E, h46km, M3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASAJ Ashikawa, MKAR Makanchi Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JIKM Kesennumamotoy, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JIKM Kesennumamotoy, etc.

7d 14h

Table with columns for station name, frequency, power, and other technical details. Includes stations like BWNR Bhubaneswar, BVAO Borovoye Array, and many others.

2012 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like SSE Wadi Sarin, SHME Shamm, MSFE Esma-Masafi, and many others.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like TIXI Tiksi, RAYN Ar Rayn, MNSI Mandailing Nat, MAJO Matsushiro, and many others.

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

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

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

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BBOO Bucklebo, SCHO Schefferville, STKA Stephens Creek, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like VVND Vanda, SNAK Sanas, WNAZ Neumayer-Watz, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AKCD Akcadag, ELZG Elazig, DARE Darende-Malaty, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like H1N1 WAKE ISLAND, H1N3 WAKE ISLAND, H1H1 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like KKAR Karatay Array, KKAR Karatay Array, SVE Sverdlövsk, NIL Nilore, etc.

IDC 07 14:32:27.929.0.226P.177.82W,h0km,mb4.0/4, mb1 4.2/4,mb1mx3.8/36,mbtmp4.0/4,Error ellipse: s-maj=545.2km s-min=142.0km az=91.0,South of Fiji

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 07 14:33:56.9.2.2.1.95S:100.29E,h0km,mb3.8/7, mb1 4.0/7,mb1mx3.7/48,mbtmp3.8/7,Error ellipse: s-maj=100.3km s-min=11.4km az=57.0

ISCJB 07 14:34:03.7.0.8.1.83S:0.05:100.37E:0.05:h10km, mb4.0/6,Error ellipse: s-maj=8.4km s-min=6.5km az=144.4

DJA 07 14:34:04.2.0.6.2.7.S:3.10E:101.1h14km,6km,M3.7/8, MLV3.7/8

ISC 07 14:34:01.3.0.7.1.79S:0.04:100.45E:0.05,h10km,n20, c2563/21,mb3.9/6,Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like PDSI Padang, KRJI Kerinci, PPSI Pulau Pagai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like ARCES ARCES Array B, TXAR Lajitas Array, etc.

IDC 07 14:34:26.6:0.7.37:80N:144.23E,h0km,mb3.9/15, mb1 4.1/18,mb1mx3.9/54,mbtmp4.0/18,ML4.1/3,Error ellipse: s-maj=19.0km s-min=13.0m az=133.0

ISCJB 07 14:34:29.4:0.4.37:87N:103.144:06E:0.04,h33km, mb4.0/17,Error ellipse: s-maj=4.7km s-min=4.3km az=20.2

JMA 07 14:34:30.0:0.2.37:92N:144.101E,h44km,MA.2, NEIC 07 14:34:31.6:0.4.37:95N:144.18E,h35km,mb4.7/2,Error ellipse: s-maj=10.3km s-min=7.3km az=126.0

ISC 07 14:34:31.9:0.7.37:91N:0.05:144.09E:0.07,h35km,n47, c2511/64,mb4.0/17,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like JIKH Ishinomakikubo, JIKH Ouri, JIO Ofunato, etc.

ISCJB 07 14:55:11.7:0.9.37:69N:0.04:143.60E:0.07,h33km, mb3.5/4,Error ellipse: s-maj=8.3km s-min=5.6km az=165.2

IDC 07 14:55:12.4:1.8.37:15N:143.77E,h0km,mb3.5/4, mb1 3.7/6,mb1mx3.5/31,mbtmp3.6/6,ML2.6/2,Error ellipse: s-maj=11.8km s-min=24.5km az=64.0

JMA 07 14:55:13.2:0.3.37:73N:143.49E,h14km,M3.1, ISC 07 14:55:12.7:1.5.37:73N:0.05:143.70E:0.09,h35km,n19, c188/26,mb3.5/4,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like JIKH Ishinomakikubo, JIO Ouri, JKMT Kesennumototy, etc.

IDC 07 14:56:18.1:0.6.37:82N:143.87E,h0km,mb3.9/15, mb1 4.1/21,mb1mx4.0/35,mbtmp4.0/21,ML4.1/5,MS3.5/1,

BJI	comp=Z,22nm,1.1s	LR	LR						
BJI	comp=Z,500nm,15.3s	LR	LR						
BJT	comp=Z,450nm,11.8s	LR	P						
BJT	Baijiatuu	21.64 284	eP	P	15 20 16.9	-1.5			
BJT	Baijiatuu	21.64 284	eP	P	15 20 16.9	-1.5			
MA2	Magadan	22.15 9	P	P	15 20 24.3	+0.5			
TIY	Taiyuan	24.80 279	eP	P	15 20 51.1	+1.1			
HHC	Hu-ho-hao-te	25.09 287	eP	P	15 20 51.2	+1.5			
HHC			S	S	15 25 12.3	-2.7			
HHC	comp=Z,210nm,0.8s			pmx					
HHC	comp=Z,510nm,4.2s			LR	LR				
HHC	comp=Z,2um,11.8s			LR	LR				
HHC	comp=Z,2um,11.6s			LR	LR				
HHC	comp=Z,2um,12.5s			LR	LR				
WHN	Wuhan	25.43 262	iP	P	15 20 55.8	+0.1			
WHN			S	S	15 25 08.6	-1.2			
WHN	comp=Z,2um,18.5s			LR	LR				
WHN	comp=Z,2um,19.0s			LR	LR				
WHN	comp=Z,1um,15.7s			LR	LR				
CIT	Chita	25.48 313	eP	P	15 20 56.5	+0.5			
CIT			e	e	15 21 05.8				
CIT			e	e	15 21 39.0				
CIT	comp=Z,74nm,1.0s			pmx					
SEY	Seycham	25.61 9	eP	P	15 20 57.3	+0.3			
YAK	Yakutsk	25.73 345	eP	P	15 20 57.7	-0.3			
YAK			eP	P	15 21 02.2	-5.8			
YAK			eS	S	15 25 25.0	+0.7			
YAK			eS	S	15 26 18.4	-2.4			
YAK	comp=Z,56nm,0.9s			pmx					
YAK	comp=N,25nm,1.1s			pmx					
YAK	comp=E,8.0nm,1.1s			pmx					
YAK	comp=N,547nm,5.1s			smx	smx				
YAK	comp=E,801nm,6.0s			MLR	MLR				
YAK	comp=Z,148nm,6.0s			MLR	MLR				
YAK	comp=N,121nm,5.0s			MLR	MLR				
BTO	Baotou	26.28 287	eP	P	15 21 01.4	-2.1			
H11N2	WAKE ISLAND Hy	26.96 126	T	T	15 49 17.3				
H11N1	WAKE ISLAND Hy	26.97 126	T	T	15 49 17.3				
H11N3	WAKE ISLAND Hy	26.98 126	T	T	15 49 19.7				
H11S1	WAKE ISLAND Hy	27.74 128	T	T	15 50 17.9				
H11S3	WAKE ISLAND Hy	27.74 128	T	T	15 50 24.1				
H11S2	WAKE ISLAND Hy	27.76 128	T	T	15 50 27.7				
BOD	Bodaibo	27.91 325	eP	P	15 21 06.5	-1.1			
BOD			e	e	15 21 17.2				
BOD	comp=Z,31nm,1.4s			pmx					
XAN	Xi'an	28.46 273	P	P	15 21 23.0	0.0			
XAN			pP	pP	15 21 37.4	+0.1			
XAN			sP	sP	15 21 43.8	+1.1			
XAN	comp=Z,16nm,0.6s			pmx					
XAN	comp=Z,210nm,4.9s			LR	LR				
XAN	comp=Z,380nm,16.3s			LR	LR				
XAN	comp=Z,310nm,18.4s			LR	LR				
ULN	Ulaanbaatar	28.54 302	eP	P	15 21 24.5	+0.8			
ULN	Ulaanbaatar	28.54 302	P	P	15 21 27.2	+3.5			
ULN	Ulaanbaatar	28.54 302	P	P	15 21 27.2	+3.5			
ULN	Ulaanbaatar	28.54 302	eP	P	15 21 24.5	+0.8			
ULN	Ulaanbaatar	28.54 302	P	P	15 21 27.1	-0.4			
SOM	Songino Array	28.98 302	P	P	15 21 27.1	-0.4			
ENH	Enshi	29.37 265	eP	P	15 21 32.4	+1.3			
TLY	Talaya	31.29 309	P	P	15 21 46.4	-1.5			
TLY	Talaya	31.29 309	eP	P	15 22 02.8	+1.5			
TLY	Talaya	31.29 309	eS	S	15 26 57.2	+5.0			
TLY	comp=Z,28nm,0.8s			pmx					
ZAK	Zakamensk	31.32 307	eP	P	15 21 48.0	-0.2			
ZAK			eP	P	15 21 48.0	-0.2			
LZH	Lanzhou	31.87 279	eP	P	15 21 55.3	+2.0			
LZH			pP	pP	15 22 06.5	-1.1			
LZH			sP	sP	15 22 10.6	+7.2			
LZH			pP	pP	15 23 00.7	+2.2			
LZH			eS	S	15 27 02.0	+0.2			
LZH			eS	S	15 27 18.5	0.0			
LZH	comp=Z,49nm,1.1s			pmx					
LZH	comp=Z,340nm,8.1s			LR	LR				
LZH	comp=Z,710nm,13.0s			LR	LR				
LZH	comp=Z,760nm,13.1s			LR	LR				
LZH	comp=Z,800nm,16.3s			LR	LR				
BILL	Bilibino	32.67 15	eP	P	15 21 59.6	-0.1			
BILL	Bilibino	32.67 15	eP	P	15 21 59.4	-0.3			
BILL	comp=Z,13nm,0.9s			pmx					
BILL	comp=Z,14nm,1.0s			pmx					
GYA	Guiyang	33.30 261	iP	P	15 22 05.9	+0.1			
GYA			pP	pP	15 22 17.2	+1.3			
GYA			pP	pP	15 23 19.0	+2.2			
GYA			S	S	15 27 23.8	-0.4			
GYA			sS	sS	15 27 41.6	+0.8			
GYA			sS	sS	15 29 26.5	+0.2			
GYA	comp=Z,20nm,0.8s			pmx					
GYA	comp=Z,120nm,4.9s			pmx					
GYA	comp=Z,590nm,17.2s			LR	LR				
GYA	comp=Z,540nm,17.4s			LR	LR				
GYA	comp=Z,570nm,17.0s			LR	LR				
GTA	Gaotai	34.71 352	iP	P	15 22 14.8	+1.2			
GTA			pP	pP	15 22 22.3	-1.4			
GTA			sP	sP	15 22 25.8	-2.1			
GTA			pP	pP	15 24 51.0	+1.2			
GTA			S	S	15 27 40.2	+2.3			
GTA	comp=Z,12nm,1.4s			pmx					
GTA	comp=Z,150nm,5.6s			pmx					
GTA	comp=Z,350nm,16.8s			LR	LR				
GTA	comp=Z,550nm,16.8s			LR	LR				
GTA	comp=Z,520nm,18.4s			LR	LR				
TIXI	Tiksi	34.71 352	P	P	15 22 16.8	-0.5			
TIXI	Tiksi	34.71 352	eP	P	15 22 16.6	-0.7			
TIXI	comp=Z,3.3nm,0.6s,baz=143,slow=5.9,SNR=11			pmx					
TIXI	comp=Z,8.0nm,1.7s			pmx					

KNGR	Kungurtag, Tuv	35.00 306	/P	P	15 22 21.6	+1.3			
KMI	Kunming	37.03 262	/P	P	15 22 37.7	-0.4			
KMI			pP	pP	15 22 47.7	-0.6			
KMI			sP	sP	15 22 54.4	+1.9			
KMI			S	S	15 24 04.0	+0.8			
KMI			sS	sS	15 28 20.9	+0.9			
KMI			sS	sS	15 28 36.7	-1.8			
KMI			SS	SS	15 30 50.6	-6.2			
KMI	comp=Z,17nm,0.9s			pmx					
KMI	comp=Z,200nm,4.1s			LR	LR				
KMI	comp=Z,260nm,12.6s			LR	LR				
KMI	comp=Z,330nm,10.5s			LR	LR				
KMI	comp=Z,360nm,11.1s			LR	LR				
HVS	Khovu-Aksy	37.44 307	/P	P	15 22 41.7	+0.6			
HVS			/P	P	15 22 41.7	+0.6			
NONG	Nongkai	40.65 252	/P	P	15 23 09.1	+1.0			
DGZ	Jazzator, Alta	41.50 305	/P	P	15 23 16.3	+1.2			
DGZ			/P	P	15 23 16.3	+1.2			
RDGO	Red Dog Mine	41.86 27	eP	P	15 23 17.9	+0.4			
RDGO	comp=Z,20nm,1.1s			P					
WMQ	Urumqi	42.22 296	/P	P	15 23 23.0	+2.1			
WMQ			pP	pP	15 23 31.6	+0.4			
WMQ			sP	sP	15 23 34.6	-0.8			
WMQ	comp=Z,48nm,0.9s			pmx					
WMQ	comp=Z,370nm,5.3s			pmx					
WMQ	comp=Z,310nm,21.9s			LR	LR				
WMQ	comp=Z,170nm,25.5s			LR	LR				
WMQ	comp=Z,440nm,34.1s			LR	LR				
UTTA	Uttaradit	42.80 254	/P	P	15 23 26.5	+0.7			
ZALV	Chaiyabum	42.85 251	/P	P	15 23 26.0	+0.6			
ZALV	Zalesovo Beam	42.81 312	/P	P	15 23 26.0	+0.6			
ZALV	comp=Z,8.7nm,0.8s,baz=86,slow=7.6,SNR=14			PcP					
CHAI	Chaiyabum	42.85 251	/P	P	15 23 26.3	+0.1			
CHAI	comp=Z,5.0nm,0.8s			P					
LAMP	Lampang	43.05 256	/P	P	15 23 28.8	+1.0			
PBKT	Sadao Pong	43.20 253	/P	P	15 23 29.3	+0.3			
PBKT	comp=Z,15nm,0.8s			P					
CHTO	Chiang Mai	43.41 257	eP	P	15 23 31.0	+0.3			
CHTO	Chiang Mai	43.41 257	eP	P	15 23 31.0	+0.3			
CHTO	Chiang Mai	43.41 257	eP	P	15 23 31.0	+0.3			
CHTO	comp=Z,13nm,1.1s			pmx					
CHTO	Chiang Mai	43.41 257	/P	P	15 23 31.2	+0.5			
CM31	Chiang Mai Arr	43.62 256	/P	P	15 23 33.3	+0.9			
CM31	Chiang Mai Arr	43.62 256	/P	P	15 23 33.3	+0.9			
CMAR	Chiang Mai Arr	43.62 256	/P	P	15 23 31.8	-0.6			
CMAR	comp=Z,5.8nm,0.8s,baz=47,slow=6.3,SNR=36			PcP					
CM01	Chiang Mai Arr	43.63 256	eP	P	15 23 32.6	+0.2			
SVWZ	Sukrovehn	43.65 38	eP	P	15 23 33.2	+1.1			
SUKH	Sukhothai	43.65 255	/P	P	15 23 33.4	+0.7			
SUKH	comp=Z,7.8nm,0.8s			P					
NVS	Novosibirsk	43.69 313	eP	P	15 23 31.7	-0.8			
NVS			pP	pP	15 23 31.7	-0.8			
NVS	comp=N,3.0nm,1.0s			pmx					
NVS	comp=E,5.0nm,1.0s			pmx					
NVS	comp=Z,10.0nm,1.0s			pmx					
SRAK	Srakaw	44.01 249	/P	P	15 23 33.0	-2.5			
SRAK	comp=Z,45nm,0.9s,comp=Z,372nm			P					
LSA	Lhasa	44.09 276	/P	P	15 23 35.3	-1.3			
LSA	comp=Z,6.5nm,0.6s			P					
LSA	Lhasa	44.09 276	/P	P	15 23 38.1	+1.5			
LSA	Lhasa	44.09 276	/P	P	15 23 35.3	-1.3			
IM3	Indian Mountain	44.91 31	eP	P	15 23 43.2	+1.0			
UTHA	Uthairani	44.97 253	/P	P	15 23 44.5	+1.3			
RSO	Redoubt South	45.01 39	eP	P	15 23 44.6	+1.4			
UMPA	Umpang Tak	45.02 254	/P	P	15 23 46.1	+2.5			
KDAK	Kodiak Island	45.15 43	/P	P	15 23 44.8	+0.7			
PPLA	Purkeypile								

GSI	Gunungsitoli	55.93 210	eP	P	16 11 29.0 +0.2	MOD	Modoc Plateau	69.77 52	eP	P	16 13 02.8 +1.4	LOHW	Long Hollow	74.62 47	eP	P	16 13 31.8 +1.3	
	comp=Z,78nm,1.5s						comp=Z,8.3nm,1.0s						comp=Z,11nm,1.2s					
GSI	Gunungsitoli	55.85 241	P	P	16 11 28.4 -0.4	SUMG	Summit	69.92 1	iP	P	16 13 03.3 +1.2	REDW	Red Top Meadow	74.63 47	eP	P	16 13 32.1 +1.5	
SVE	Sverdlowski	55.86 319	dP	S	16 11 29.0 +0.6		comp=Z,44nm,0.8s					R11A	Troy Canyon, C	74.77 53	eP	P	16 13 32.1 +0.8	
SVE					16 19 15.8 +1.7	SUMG	Summit	69.92 1	iP	P	16 13 03.3 +1.2	R11A	Troy Canyon, C	74.77 53	P	P	16 13 31.9 +0.5	
SVE	comp=Z,55nm,1.0s					SUMG							baz=306					
SVE	MLR	MLR				BMO	comp=Z,44nm,0.8s	69.99 48	eP	P	16 13 03.2 +0.6	BGU	Big Grassy Mtn	74.82 50	eP	P	16 13 32.3 +0.7	
MDSI	Maura Dua	55.90 230	P	P	16 11 28.5 -0.6	BMO	Blue Mountains	69.99 48	eP	P	16 13 03.2 +0.6	AHID	Auburn Hatcher	74.85 47	eP	P	16 13 32.0 +0.2	
NIL	Nilore	56.22 289	eP	P	16 11 30.0 -1.3	BMO						AKASG	Main Array Be	74.87 323	P	P	16 13 31.9 +0.4	
NIL	comp=Z,107nm,1.0s												comp=Z,5.1nm,0.6s, baz=44, slow=6.2, SNR=9.6					
NIL	Nilore	56.22 289	eP	P	16 11 30.0 -1.3	J08A	comp=Z,31nm,1.7s	70.11 50	eP	P	16 13 04.7 +1.3	AKASG						
DLBC	Dease Lake	56.83 39	eP	P	16 11 37.8 +2.4	AKT	Circle Bar Ran	70.11 50	eP	P	16 13 04.7 +1.3	AKKB	Main Array Si	74.87 323	eP	P	16 13 31.7 +0.2	
WRAB	Tennant Creek	58.10 191	eP	P	16 11 42.9 -1.6	AKT	Akhty	70.17 307	eP	P	16 13 04.1 +0.2	AKKB	Main Array Si	74.87 323	eP	P	16 13 31.7 +0.2	
WB2	Warramunga Arr	58.11 191	eP	P	16 11 42.9 -1.8	AKT						AKKB						
WRA	Warramunga Arr	58.11 191	P	P	16 11 42.8 -1.8	ORV	comp=Z,38nm,1.0s	70.28 55	eP	P	16 13 05.1 +0.7	MPMC	Main Prospect	74.88 56	P	P	16 13 32.7 +0.6	
ABKAR	Akbur array	58.93 210	eP	P	16 11 49.9 -0.2	ORV	Oroville	70.28 55	eP	P	16 13 05.1 +0.7	KIEV	Kiev	74.89 323	eP	P	16 13 31.7 +0.1	
HYB	Hyderabad	60.16 269	iP	P	16 12 00.0 +1.0	ORV	Oroville	70.28 55	eP	P	16 13 05.1 +0.7	KIEV	Kiev	74.89 323	iP	P	16 13 31.8 +0.2	
PRGR	Permagrad	61.19 327	eP	P	16 12 05.4 +0.1	GRO	comp=Z,25nm,1.5s	70.42 310	eP	P	16 13 03.9 -1.3	KIEV	Kiev	74.89 323	eP	P	16 13 31.7 +0.2	
PRGR					16 12 15.6 -0.2	GRO	Groznnyy	70.42 310	eP	P	16 13 03.9 -1.3	KIEV	Kiev	74.89 323	eP	P	16 13 31.7 +0.2	
PRGR					16 14 22.9	GRO												
RES	Resolute Bay	61.38 15	P	P	16 12 06.8 +0.3	WVOR	Wild Horse Val	70.52 51	eP	P	16 13 06.6 +0.6	BLG	Laguna Peak, P	74.96 58	P	P	16 13 31.4 -0.9	
RES	Resolute Bay	61.38 15	eP	P	16 12 06.8 +0.3	WVOR	Wild Horse Val	70.52 51	eP	P	16 13 06.6 +0.6	TOO	Toolangi	75.00 179	eP	P	16 13 32.3 +0.1	
RES	Resolute Bay	61.38 15	eP	P	16 12 06.8 +0.3	VSU	comp=Z,46nm,1.7s	70.78 330	eP	P	16 13 07.9 +0.9	DGMT	Dagmar	75.03 40	P	P	16 13 33.2 +0.7	
RES						VSU	Vasula	70.78 330	eP	P	16 13 07.9 +0.9	FURC	Furca Creek,	75.05 55	P	P	16 13 33.7 +1.0	
AS01	Alice Springs	61.83 190	eP	P	16 12 07.7 -2.4	VSU	comp=Z,111nm,1.0s	70.78 330	eP	P	16 13 09.0 +2.0	LRMC	Laurel Mtn Rad	75.09 57	P	P	16 13 33.8 +0.6	
AS31	Alice Springs	61.84 190	eP	P	16 12 09.2 -1.0	VSU	Vasula	70.78 330	eP	P	16 13 09.0 +2.0	LAO	LASA Array	75.13 42	eP	P	16 13 34.3 +1.1	
ASAR	Alice Springs	61.84 190	P	P	16 12 08.8 -1.4	MSO	Missoula	70.82 45	P	P	16 13 07.1 -0.6	LAO	LASA Array	75.13 42	P	P	16 13 33.9 +0.7	
YKWS	Yellowknife Ar	62.14 31	eP	P	16 12 11.8 0.0	BEKR	Beckworth	70.85 54	P	P	16 13 09.2 +1.1	SNCC	San Nicolas Is	75.15 59	P	P	16 13 31.8 -1.6	
YKA	Yellowknife Ar	62.17 31	P	P	16 12 12.1 +0.1	AFDM	Forest Hills D	70.96 55	eP	P	16 13 07.8 -0.8	TPNV	Topopah Spring	75.16 55	eP	P	16 13 34.7 +1.0	
YKA	comp=Z,4.0nm,0.7s, baz=302, slow=6.7, SNR=50					GOF	Golfskye	71.03 313	eP	P	16 13 10.5 +1.7	TPNV	Topopah Spring	75.16 55	eP	P	16 13 34.7 +1.0	
YKA	comp=Z,0.1nm,0.3s, baz=128, slow=2.7, SNR=2.8				16 41 36.3	GOF						TPNV	Topopah Spring	75.16 55	eP	P	16 13 34.7 +1.0	
YKBS	Yellowknife Ar	62.17 31	eP	P	16 12 11.4 -0.6	PNTR	Pine Nut	71.77 54	eP	P	16 13 13.0 -0.7	EDW2	Edwards Air Fo	75.23 57	P	P	16 13 34.4 +0.7	
APA	Apatity	62.79 336	iP	P	16 12 14.0 -2.0	ZEI	Tsey	71.81 310	eP	P	16 13 13.2 -0.7	EDW2	Edwards Air Fo	75.23 57	P	P	16 13 34.8 +0.8	
APA						ZEI						HWUT	Hardware Ranch	75.28 49	eP	P	16 13 35.8 +1.5	
MBWA	Marble Bar	62.87 205	eP	P	16 12 16.2 -0.9	CMB	Columbia Colle	71.85 56	eP	P	16 13 14.9 +0.9	DUG	Dugway, Tooele	75.39 50	eP	P	16 13 35.9 +1.0	
EIDS	Eidsvold	63.19 173	eP	P	16 12 19.0 -0.1	CMB	Columbia Colle	71.85 56	eP	P	16 13 14.9 +0.9	DUG	Dugway, Tooele	75.39 50	eP	P	16 13 35.9 +1.0	
DZM	Mont Dzumac	63.22 156	eP	P	16 12 19.8 +0.3	CMB						DUG	Dugway, Tooele	75.39 50	eP	P	16 13 35.9 +1.0	
DZM	Mont Dzumac	63.22 156	eLR	LR	16 31 02.5	KIV	comp=Z,24nm,1.4s	71.87 312	eP	P	16 13 15.2 +1.2	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.8 +0.9	
POO	Poons	63.27 273	eP	P	16 12 20.0 0.0	KIV	Kislovodsk	71.87 312	P	P	16 13 16.4 +2.4	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.2 +1.1	
ARCES	ARCESS Array B	63.97 340	P	P	16 12 24.4 +0.5	KIV	Kislovodsk	71.87 312	P	P	16 13 15.9 +1.9	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
ARCES	comp=Z,6.7nm,0.8s, baz=51, slow=9.6, SNR=13				16 45 02.0	KIV	SNR=7.1	71.87 312	iP	P	16 13 15.2 +1.2	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
KLMR	Klimovskoe	64.15 328	eP	P	16 12 23.7 -1.4	KIV	Kislovodsk	71.87 312	iP	P	16 13 15.2 +1.2	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
KLMR	comp=Z,6.8nm					KIV	SNR=8.1	71.87 312	eP	P	16 13 15.2 +1.2	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
KLMR	comp=Z,40nm,1.4s	64.15 328	eP	P	16 12 23.8 -1.4	KBZ	Khab	71.87 312	P	P	16 13 15.3 +1.4	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.8 +0.9	
KLMR	AMP				16 12 28.4	FFC	Flin Flon	72.01 34	eP	P	16 13 15.0 +0.4	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
NLWA	Neilton Lookou	64.77 49	eP	P	16 12 30.7 +1.2	FFC	Flin Flon	72.01 34	eP	P	16 13 15.0 +0.4	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
GEYT	Alibeck	65.16 300	P	P	16 12 32.1 -0.1	FFC	Flin Flon	72.01 34	eP	P	16 13 15.0 +0.4	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
GEYT	comp=Z,7.6nm,0.9s, baz=106, slow=5.3, SNR=18				16 42 56.7	FFC	Flin Flon	72.01 34	eP	P	16 13 15.0 +0.4	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
GEYT	LR					YERR	Yerington	72.06 54	eP	P	16 13 16.0 +0.6	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.8 +0.9	
GYA0B	ALIBECK ARRAY	65.16 300	eP	P	16 12 32.6 +0.4	HRY	Holter Resear	72.07 44	eP	P	16 13 15.2 0.0	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
D03	Eldon	65.16 48	P	P	16 12 32.3 +0.3	EGMT	Eagleton	72.42 42	P	P	16 13 17.1 -0.2	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
D03	baz=299					HLID	Hailey	72.43 48	eP	P	16 13 18.4 +0.9	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
DAG	Danmarks Havn	65.18 356	iP	P	16 12 43.0	HLID	Hailey	72.43 48	P	P	16 13 17.6 0.0	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
DAG	comp=Z,1.1nm,0.9s				16 12 43.0	DLMT	Dillon	72.43 46	eP	P	16 13 18.6 +1.1	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
DAG					16 12 43.0	BMN	Battle Mountai	72.52 52	eP	P	16 13 18.9 +0.8	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
DAG						BMN	Battle Mountai	72.52 52	eP	P	16 13 18.9 +0.8	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
E04D	Cinebar	65.96 49	P	P	16 12 38.7 +1.5	BMN	Battle Mountai	72.52 52	eP	P	16 13 18.9 +0.8	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
G03D	McMinnville, O	66.21 50	P	P	16 12 36.4 -2.4	KVN	Kaiserville	72.76 54	eP	P	16 13 20.6 +1.0	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
H04D	Lebanon	66.88 51	P	P	16 12 41.9 -1.2	BANOM	Banath	72.80 290	iP	P	16 13 19.8 0.0	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
I03D	Drain, OR	66.92 52	P	P	16 12 42.4 -0.9	BOZ	Bozeman (W)	72.84 45	eP	P	16 13 20.6 +0.6	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
F05D	White Salmon	66.96 49	P	P	16 12 43.0 +0.4	BOZ	Bozeman (W)	72.84 45	eP	P	16 13 20.6 +0.6	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
K02D	Willamette Mer	67.24 53	P	P	16 12 46.9 +1.4	BOZ	Bozeman (W)	72.84 45	eP	P	16 13 20.6 +0.6	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
G05D	Wamic, OR	67.38 50	P	P	16 12 45.6 -0.7	BOZ	Bozeman (W)	72.84 45	P	P	16 13 20.0 0.0	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
I04A	Tendick Farm,	67.46 51	P	P	16 12 46.4 -0.4	SHME	Shamm	72.84 290	P	P	16 13 20.4 +0.3	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
L02E	Cave Junction,	67.55 53	P	P	16 12 48.0 +0.5	AKH	Akhalkalaki	72.85 309	iP	P	16 13 21.5 +1.4	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
MOS	Moscow	67.79 324	eP	P	16 12 49.2 +0.6	IDID	Didziasali	72.89 328	eP	P	16 13 20.9 +1.1	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
MOS					16 12 59.6	IDID						DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
MOS	comp=Z,70nm,1.6s					CAN	comp=Z,9.2nm,0.7s	72.90 176	eP	P	16 13 19.9 -0.1	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
MOS	MLR	MLR				CAN	Canberra	72.90 176	eP	P	16 13 19.9 -0.1	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
I05D	Terrebonne, OR	67.83 51	P	P	16 12 49.8 +0.6	CAN	Canberra	72.90 176	eP	P	16 13 19.9 -0.1	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
NEW	Newport	68.23 45	P	P	16 12 52.3 +0.7	ISAL	Salakas	72.97 328	eP	P	16 13 21.5 +1.2	DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
NEW	comp=Z,3.2nm,0.6s, baz=313, slow=4.1, SNR=7.5					ISAL						DUG	Dugway, Tooele	75.39 50	P	P	16 13 35.9 +1.0	
NEW	Newport	68.23 45	eP	P														

7d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Warren Harvey, Viola, Fulton Ridge, Tweed, Lake Whitney, etc.

ICD 07 16:06:28.2±0.2, 101.51N:126.34E, h0km, mb4.0/5, mb1 4.1/5, mb1mx3.7/35, mbtmp4.0/5, Error ellipse: s-maj=213.0km s-min=26.4km az=70.0

MOS 07 16:11:54.3±0.3, 37.84N:0.03±143.67E±0.3, h33km, mb4.6/80, MS4.3/2, Error ellipse: s-maj=4.8km s-min=3.1km az=167.2

NEIC 07 16:11:55.4±0.2, 37.72N:143.75E, h35km, mb4.7/27, Error ellipse: s-maj=6.3km s-min=4.3km az=157.0

ISCJ 07 16:11:55.4±0.2, 37.81N:143.78E±0.05, h35km, n179, 1989/193, mb4.6/80, 3C-1D, Off east coast of Honshu

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

NIED 07 16:11:00.37±80N:143.70E, h5km, Mw4.5 Best double couple: M=6.07000x10^15 NP1=0.00000, 320.00000, lambda=22.00000

ICD 07 16:11:50.0±0.5, 37.65N:143.88E, h0km, mb4.4/22, mb1 4.6/29, mb1mx4.5/41, mbtmp4.5/29, ML4 3/5, Error ellipse: s-maj=15.0km s-min=11.7km az=136.0

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Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Ishinomaki, Kesennumotoy, Ofunato, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tokmak 2, Kyzart, Karagbulak, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kaneyama, Ashikaga, Ryogami san, etc.

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

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

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

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

ISC 07 17:16:10.5:1.4, 37.96N, 0.08:143.77E:0.09, h35km, n16,
+134/23, mb3.4/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like IJHK Ishinomakikobu, IJHO Ouri, OFUJ Ofunato, etc.

IDC 07 17:17:13.8:0.9, 37.96N:143.95E, h0km, mb3.6/8,
mb1.3/8.1, mb1mx3.6/5.0, mbtmp3.6/11, ML2.7/3, Error
ellipse: s-maj=22.9km s-min=20.5km az=98.0

ISCJB 07 17:17:13.7:0.7, 37.93N:0.06:143.70E:0.06, h33km,
mb3.6/8, Error ellipse: s-maj=6.9km s-min=6.4km az=18.8

JMA 07 17:17:18.3:0.1, 37.99N:143.59E, h35km, M3.7

ISC 07 17:17:19.5:0.9, 37.94N:0.09:143.69E:0.08, h35km, n20,
+124/26, mb3.6/8, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like IJHK Ishinomakikobu, IJHO Ouri, OFUJ Ofunato, etc.

IDC 07 17:33:57.4:1.1, 37.16N:143.88E, h0km, mb3.9/6,
mb1.4/1.0, mb1mx3.8/3.8, mbtmp3.9/10, ML3.7/3, MS3.0/1,
Ms1.3/0.1, ms1mx2.3/4.4, Error ellipse: s-maj=26.2km
s-min=19.4km az=77.0

ISCJB 07 17:33:59.0:0.5, 37.35N:0.04:143.67E:0.04, h33km,
mb4.1/9, Error ellipse: s-maj=5.4km s-min=4.7km
az=138.8

JMA 07 17:34:00.8:0.2, 37.38N:143.60E, h55km, M4.0

NIED 07 17:34:00.37:40N:143.60E, h55km, Mw3.9 Best double
couple: M=8.41000e+10 N1=3.80000e+10, d18.00000,
lambda=121.00000, NP2=220.00000, delta75.00000,
lambda=90.00000

NEIC 07 17:34:02.3:0.7, 37.24N:143.77E, h35km, mb4.4/3, Error
ellipse: s-maj=13.2km s-min=10.4km az=115.0

ISC 07 17:34:02.6:1.0, 37.35N:0.05:143.63E:0.08, h35km, n47,
+206/60, mb4.2/9, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like IJHK Ishinomakikobu, IJHO Ouri, OFUJ Ofunato, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like SONG1 Songino Array, SONG2 Songino Array, SONG3 Songino Array, etc.

MDD 07 17:37:50.8:3.3, 37.13N:13.13W, h0km, mb3.2/5, Error
ellipse: s-maj=35.3km s-min=26.0km az=168.0, PPRXIMO

ISC 07 17:37:52.2:4.3, 37.3N:0.1, 13.0W:0.2, h10km, n18,
+95/26, Azores-Cape St. Vincence Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like PFV1 Vila Bisbo, PFV2 Vila Bisbo, PFV3 Vila Bisbo, etc.

IDC 07 17:39:01.7:2.0, 37.56N:143.85E, h0km, mb3.4/2,
mb1.3/6.4, mb1mx3.3/3.4, mbtmp3.4/4, ML3.2/2, Error
ellipse: s-maj=56.5km s-min=33.1km az=82.0

ISCJB 07 17:39:04.2:0.9, 37.65N:0.05:143.71E:0.08, h33km,
mb3.5/2, Error ellipse: s-maj=9.0km s-min=7.5km
az=79.8

JMA 07 17:39:05.2:0.2, 37.67N:143.63E, h46km, M2.9

ISC 07 17:39:06.4:1.5, 37.68N:0.07:143.65E:0.09, h35km, n15,
+050/20, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like IJHK Ishinomakikobu, IJHO Ouri, OFUJ Ofunato, etc.

SOME 07 17:42:09.4, 40.42N:74.45E, h0km
NINC 07 17:42:10.8:1.5, 40.38N:74.49E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=19.1km s-min=5.0km az=134.0

KRNET 07 17:42:10.1:0.1, 40.41N:74.49E, h14km, mb3.2

ISCJB 07 17:42:12.6:0.7, 40.35N:0.04:74.46E:0.05, h10km, Error
ellipse: s-maj=6.6km s-min=3.7km az=40.3

ISC 07 17:42:09.7:1.0, 40.29N:0.04:74.38E:0.03, h10km, n50,
+159/83, 32C-22D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like UCH baz=1.0, AAK Ala-Archa, AAK Ala-Archa, etc.

IDC 07 17:51:34.9:1.8, 15.56S:174.16W, h0km, mb4.0/7,
mb1.4/2.8, mb1mx3.9/4.6, mbtmp4.0/8, ML4.3/1, Error
ellipse: s-maj=120.6km s-min=17.4km az=148.0

ISCJB 07 17:51:37.6:0.6, 15.86S:0.09:173.94W:0.09, h35km,
mb4.3/10, Error ellipse: s-maj=16.4km s-min=8.0km
az=140.2

NEIC 07 17:51:40.0:1.4, 15.90S:173.94W, h41km, 15km, mb4.9/4,
Error ellipse: s-maj=16.4km s-min=9.2km az=123.0

ISC 07 17:51:39.2:0.8, 15.99S:0.07:173.78W:0.09, h35km, n14,
+186/17, mb4.1/10, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like AFI Afiamalu, AFI Afiamalu, NIUE Niue, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other technical details. Includes stations like NV11, K02D, TPNV, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other technical details. Includes stations like SONA0, SONM, SONM, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other technical details. Includes stations like P41A, V46A, X48A, etc.

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Table with columns: Name, RA, Dec, and other identifiers. Includes entries like Bornholm Skovb, Vitosh, Gorka Klasztor, etc.

Table with columns: Name, RA, Dec, and other identifiers. Includes entries like FETA, BCLA, WLF, BFO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like AAK, MKAR, KURBS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like Churui, Matushiro Arr, Nemuro 2, Hachijo jima 2, Nakatsue, GUMO, Zalesovo Beam, MKAR Makanchi Array, Kurchatov Arr, WRA Warramunga Arr, ASAR Alice Springs.

ISC/JB 07 18:38:05.9+1.0, 37.84N-0.06-144.16E-0.07, h33km, mb3.5/5, Error ellipse: s-maj=9.0km s-min=7.3km az=138.9

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like IJHK Ishinomakikobu, OFUJ Ofunato, JIO Ouri, JKMT Kesennumamotoy, JMK Ichinoseki, JOM Otasama, JFT Otama, JYK Kaneyama, JRY Ryogami san, JCH Churui, JOD Odawara 2, MJAR Matushiro Arr, JTKR Abashiri-Toko, SONM Songino Array, MKAR Makanchi Array, KURBB Kurchatov Arr, WRA Warramunga Arr, ASAR Alice Springs.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like JMA 07 18:47:58.6-0.2, 37.94N-143.74E, h45km, M2.6, Off east coast of Honshu.

ISC/JB 07 18:48:19.8-0.4, 23.68N-0.02-121.99E-0.02, h18km, 3km, Error ellipse: s-maj=3.2km s-min=2.0km az=42.7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ENLB Shoufeng, ENLB Hwalian, EGFF Guangfu, EGFF Shilin, TWD Chiawan, EHY Hungye, EHY Yuli, TWF1 Nanao, NANB Nanao, ENA Nanau, WHF Hehuan Shan, WHK Chengkung, CHKT Tachien, TWT Tachien, NNS Nan Shan, TWC Suao, YUS Yu-Shan, SMLT Sun Moon Lake, ELDTW Lidau, ENTNT Nioudou, TYC Yuch, TWE Neicheng.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like TWE baz=349, NSK Sanguang, WJS Zhushan, WJS baz=276, EGS baz=15, NWLT Wuli, CHNS Tsalung, CHNS baz=264, NTC Toucheng, NTC baz=357, WNT Mingjian, WNT baz=279, TWG Pinlang, TWG baz=231, JYNG Yonagunijimaku, JYNG baz=231, STYT Taoyuan, STYT baz=232, TCU Taichung, TCU baz=292, TWQ1 Liyutan, TWQ1 baz=302, WQK Gukeng, WQK baz=269, WGT Nanjuang, WGT baz=319, NSTT baz=319, LIOB Emei, LIOB baz=320, CHNA Tsauhan, CHNA baz=253, CHN4 baz=253, WDLH Douliu, WDLH baz=269, WTP WTP, WTP baz=248, WTP baz=248, TWB1 Santiao Chiao, TWB1 baz=330, WLBT Daxi, WLBT baz=333, WCHH Zhanghua, WCHH baz=287, WCHH baz=287, TWA Mucha, TWA baz=335, TWA baz=335, NMLH Miao, NMLH baz=309, NMLH baz=309, CHN2 Minshiang, CHN2 baz=262, CHN2 baz=262, SLGT Liugu, SLGT baz=227, WLF Wu-fen Shan, WLF baz=356, NWF baz=356, SGST Jiashian, SGST baz=230, SGST baz=230, CHN1 Nanshi, CHN1 baz=247, CHN1 baz=247, TWK Hsiyung, TWK baz=250, TWK baz=250, CHY Chiayi, CHY baz=261, CHY baz=261, ECL Taimali, ECL baz=218, NCUH Zhongli, NCUH baz=331, NCU National Center, NCU baz=333, TWS1 Kuangyinshan, TWS1 baz=343, YM01 YM01, YM01 baz=331, YM10 YM10, YM10 baz=331, YM04 YM04, YM04 baz=331, YM05 YM05, YM05 baz=331, YM11 YM11, YM11 baz=331, YM07 YM07, YM07 baz=333, YM08 YM08, YM08 baz=332, YM08 baz=332, SSS Sammen, SSS baz=222, YM03 YM03, YM03 baz=347, WTCT Ta-ch'eng, WTCT baz=276, WSF Szu, WSF baz=267, CHN8 Yihu, CHN8 baz=256, CHN8 baz=256, CHN8 baz=256, EAST Anshuo, EAST baz=216, HATJ Hateruma jima, HATJ baz=175, IRIF Irimote-Funau, IRIF baz=176, SCZT Fangliang, SCZT baz=215, JKRS Kuro-shima, JKRS baz=197, HEN Hengchun, HEN baz=212, HEN baz=212, HEN baz=212, JIJ Ishigaki jima, JIJ baz=212, JIJ baz=212.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WDGJ Tungji, WDGJ baz=257, WDGJ baz=257, JISG Ishigakijimahi, JISG baz=257, JISG baz=257, JTJ Tarama, JTJ baz=269, JIRB Tarubujima, JIRB baz=316, JIRB baz=316, JIKM Ikemajima, JIKM baz=326.

IDC 07 18:48:56.3-0.3, 38.08N-144.21E, h0km, mb3.9/20, mb1.4/25, mb1mx0.4/1, mbtmp3.9/25, ML3.4/5, Error ellipse: s-maj=16.6km s-min=13.9km az=103.0

JMA 07 18:48:59.7-0.4, 38.12N-140.04-144.06E-0.04, h33km, mb4.0/26, Error ellipse: s-maj=6.1km s-min=4.1km az=169.7

NEIC 07 18:49:01.2-0.5, 38.04N-144.13E-0.06, h35km, n99, 1342/101, mb4.0/26, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like IJHK Ishinomakikobu, JMK Ofunato, JKMT Kesennumamotoy, JIO Ouri, JMK Ichinoseki, JOM Otasama, JFT Otama, JYK Kaneyama, JRY Ryogami san, MJAR Matushiro Arr, MAJO Matushiro, MAT Matushiro, MJBS Matsu-Tunnel, JHJ2 Mitsune, JHJ Hachijo jima 2, ASAJ Asahikawa, ASAJ Asahikawa, INU Inuyama, US08 USSuriyik Arra, USRK USSuriyik Arr, USRK USSuriyik Arr, CBJ Chichi jima, JNU Nakatsue, JNU Nakatsue, MDJ Mudanjiang, MDJ Mudanjiang, KSR Korea Array, KS15 Wonju Array Si, KSAR Wonju Array Be, PETK Petropavlovsk, TPUB Ta-pu, SEY Seymchan, SEY Seymchan, H11N2 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, SONAO Songino Array, SONM Songino Array, SONM Songino Array, ENH Enshi, ENH Enshi, TIXI Tiksi, TIXI Tiksi, ZAA1 Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, KURK Kurchatov, ILAR Eielson Array, ILAR Eielson Array, ILB Eielson Array, NIL Nilore, WR1 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, AKTO Aktyubinsk, AKTO Aktyubinsk, YKA Yellowknife Ar, YKA Yellowknife Ar, YKB5 Yellowknife Ar, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ARAO ARCESS Array S, ARCES ARCESS Array B, ARCES ARCESS Array B, GEYT Alibeck, GEYT Alibeck, FIAO FINESS Array S, FINES FINESS Array S, FINES FINESS Array S, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, NV01 Mina Array Sit, NVAR Mina Array Bea, NVAR Mina Array Bea, NV200 NORARS Array S.

7d 18h

Table with columns: NOA, NORSAR Array B, BURO8, GERES, etc. Includes station names, coordinates, and status.

IDC 07 18:49:22.5:0.6, 37.93N:144.14E, h0km, mb4.0/18, mb1.4, 2/23, mb1mx4.1, 39, mbtmp4.1/23, ML4.1/4, Error ellipse: s-maj=16.0km s-min=14.7km az=91.0

MOS 07 18:49:24.9:1.4, 38.02N:144.08E, h29km, mb4.7/8, Error ellipse: s-maj=10.5km s-min=8.0km az=97.9

ISCJB 07 18:49:25.6:0.3, 37.96N:144.143E:0.04, h33km, mb4.3/25, Error ellipse: s-maj=5.3km s-min=4.2km az=164.3

JMA 07 18:49:25.3:0.4, 37.93N:143.84E, h46km, M4.4 NEIC 07 18:49:27.8:0.3, 37.92N:144.03E, h35km, mb4.6/18, Error ellipse: s-maj=6.9km s-min=5.3km az=146.0

ISC 07 18:49:26.9:0.5, 37.99N:144.09E:0.06, h35km, n99, az=19/110, mb4.3/35, 2, C, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations and their parameters.

IDC 07 18:50:48.1:0.6, 38.18N:144.15E, h0km, mb4.1/24, mb1.4, 4, 3/30, mb1mx4.2/41, mbtmp4.2/30, M3.8/6, Error ellipse: s-maj=15.6km s-min=13.2km az=124.0

MOS 07 18:50:50.7:0.9, 38.32N:144.04E, h25km, mb4.8/15, Error ellipse: s-maj=8.9km s-min=6.1km az=103.6

JMA 07 18:50:50.9:0.2, 38.22N:144.05E, h50km, M4.4 ISCJB 07 18:51:50.5:0.2, 38.22N:144.03E:0.03, h33km, mb4.5/73, Error ellipse: s-maj=4.1km s-min=2.9km az=160.5

NEIC 07 18:50:53.0:1.2, 38.20N:144.10E, h32km, 8km, mb4.8/48, Error ellipse: s-maj=4.3km s-min=3.2km az=120.0

ISC 07 18:50:53.2:0.4, 38.24N:144.05E:0.05, h35km, n183, az=15/241/63, mb4.6/79, 1, C, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Continuation of station list.

25 DEC

Table with columns: ABKAR, AKTO, YKA, YKB, AS01, AS31, etc. Includes station names and coordinates.

ARAO ARCESS Array B 63.84 340 eP P 18 59 55.8 +0.5

OBN Obninsk 68.59 324 eP P 19 00 25.6 -0.3

STKA Stephens Creek 69.55 182 eP P 19 00 32.8 +0.8

STKA Stephens Creek 69.55 182 eP P 19 00 32.5 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.6 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.8 +0.8

STKA Stephens Creek 69.55 182 eP P 19 00 32.5 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.6 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.8 +0.8

STKA Stephens Creek 69.55 182 eP P 19 00 32.5 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.6 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.8 +0.8

STKA Stephens Creek 69.55 182 eP P 19 00 32.5 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.6 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.8 +0.8

STKA Stephens Creek 69.55 182 eP P 19 00 32.5 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.6 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.8 +0.8

STKA Stephens Creek 69.55 182 eP P 19 00 32.5 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.6 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.8 +0.8

STKA Stephens Creek 69.55 182 eP P 19 00 32.5 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.6 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.8 +0.8

STKA Stephens Creek 69.55 182 eP P 19 00 32.5 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.6 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.8 +0.8

STKA Stephens Creek 69.55 182 eP P 19 00 32.5 +0.6

STKA Stephens Creek 69.55 182 eP P 19 00 32.6 +0.6

Table with columns: SONA1, SONA2, SONA3, etc. Includes station names and coordinates.

ZAAO Zalesovo Array 42.67 311 eP P 18 58 47.4 +0.7

ZAAO Zalesovo Array 42.67 311 eP P 18 58 47.4 +0.7

ZAAO Zalesovo Array 42.67 311 eP P 18 58 47.4 +0.7

ZAAO Zalesovo Array 42.67 311 eP P 18 58 47.4 +0.7

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ZAAO Zalesovo Array 42.67 311 eP P 18 58 47.4 +0.7

ZAAO Zalesovo Array 42.67 311 eP P 18 58 47.4 +0.7

ULN	comp=Z,17nm,0.9s	pmx	pmx		
SONA1	Songino Array	26.85 297	eP	P	19 30 36.7 -0.1
SONA0	Songino Array	26.86 297	eP	P	19 30 37.0 +0.1
SONM	Songino Array	26.86 297	eP	P	19 30 37.0 +0.1
	comp=Z,19nm,0.6s,baz=86,slow=8.8,SNR=75				
GUMO	Guam	27.21 176	eP	P	19 30 40.0 0.0
GUMO	Guam	27.21 176	eP	P	19 30 40.0 0.0
	comp=Z,298nm,1.4s				
XAN	Xi'an	27.72 267	P	P	19 30 45.8 +1.1
XAN					
	comp=Z,18nm,0.9s				
XAN					
	comp=Z,190nm,4.5s				
XAN					
	comp=Z,320nm,16.3s				
XAN					
	comp=Z,440nm,15.2s				
TLY	Talaya	28.91 305	eP	P	19 30 56.8 +1.8
TLY	Talaya	28.91 305	eP	P	19 30 54.7 -0.3
TLY	Talaya	28.91 305	eP	P	19 30 54.7 -0.3
ZAK	Zakamensk	29.02 303	eP	P	19 30 52.3 -3.8
ZAK	Zakamensk	29.02 303	eP	P	19 30 52.3 -3.8
	comp=Z,10.0nm,1.1s				
ENSHI	Enshi	29.03 259	eP	P	19 30 55.7 -0.6
H11N2	WAKE ISLAND Hy	29.34 129	T	T	20 01 50.0
	baz=322,slow=75,SNR=185				
H11N1	WAKE ISLAND Hy	29.36 129	T	T	20 01 52.7
	baz=322,slow=75,SNR=103				
H11N3	WAKE ISLAND Hy	29.36 129	T	T	20 01 47.3
	baz=322,slow=75,SNR=121				
WAKE	Wake Island	29.55 130	eP	P	19 31 03.5 +2.6
	comp=Z,259nm,0.9s				
BILL	Bilibino	30.04 17	eP	P	19 31 04.5 -0.3
BILL	Bilibino	30.04 17	eP	P	19 31 04.5 -0.3
BILL	Bilibino	30.04 17	eP	P	19 32 02.9
	comp=Z,16nm,1.0s				
BILL					
	comp=Z,296nm,18.0s				
H11S1	WAKE ISLAND Hy	30.19 130	T	T	20 04 00.5
	baz=129,slow=74,SNR=76				
H11S3	WAKE ISLAND Hy	30.19 131	T	T	20 03 45.3
	baz=317,slow=74,SNR=52				
H11S2	WAKE ISLAND Hy	30.20 130	T	T	20 03 04.6
	SNR=33				
MOY	Mondy	30.55 305	eP	P	19 31 09.7 0.0
MOY	Mondy	30.55 305	eP	P	19 31 09.7 0.0
	comp=Z,19nm,1.1s				
LZH	Lanzhou	30.79 274	eP	P	19 31 12.6 +0.6
LZH	Lanzhou	30.79 274	eP	P	19 31 23.2 +0.2
LZH	Lanzhou	30.79 274	eP	P	19 31 27.9 +8.1
LZH	Lanzhou	30.79 274	eP	P	19 32 13.5 +1.1
	comp=Z,25nm,1.3s				
LZH					
	comp=Z,92nm,5.4s				
LZH					
	comp=Z,370nm,13.0s				
LZH					
	comp=Z,380nm,13.3s				
LZH					
	comp=Z,490nm,16.5s				
TIXI	Tiksi	31.67 352	P	P	19 31 17.1 -2.1
	comp=Z,3.5nm,0.5s,baz=141,slow=6.5,SNR=18				
TIXI	Tiksi	31.67 352	eP	P	19 31 17.2 -1.9
TIXI	Tiksi	31.67 352	eP	P	19 31 17.2 -1.9
TIXI	Tiksi	31.67 352	eP	P	19 31 17.2 -1.9
	comp=Z,4.0nm,0.5s				
KNGR	Kungurtug, Tuv	32.71 303	eP	P	19 31 28.6 0.0
GTA	Gaotai	32.76 282	eP	P	19 31 28.9 -0.3
GTA	Gaotai	32.76 282	eP	P	19 31 28.9 -0.3
	comp=Z,4.0nm,1.0s				
GTA					
	comp=Z,180nm,4.6s				
GTA					
	comp=Z,290nm,19.7s				
GTA					
	comp=Z,500nm,18.7s				
GTA					
	comp=Z,660nm,17.1s				
GYA	Guiyang	33.17 256	eP	P	19 31 32.5 -0.4
GYA	Guiyang	33.17 256	eP	P	19 31 45.2 +1.2
GYA	Guiyang	33.17 256	eP	P	19 32 46.0 -2.1
GYA	Guiyang	33.17 256	eP	P	19 36 50.8 -0.3
GYA	Guiyang	33.17 256	eP	P	19 38 51.4 +0.1
	comp=Z,40nm,0.8s				
GYA					
	comp=Z,120nm,5.2s				
GYA					
	comp=Z,510nm,17.2s				
GYA					
	comp=Z,540nm,17.4s				
GYA					
	comp=Z,520nm,17.0s				
HVS	Khovu-Aksy	35.11 304	iP	P	19 31 49.7 +0.3
HVS	Khovu-Aksy	35.11 304	iP	P	19 31 49.7 +0.3
	comp=Z,5.0nm,0.6s				
KMI	Kunming	36.83 257	P	P	19 32 05.2 +0.6
KMI	Kunming	36.83 257	P	P	19 32 14.6 -1.1
KMI	Kunming	36.83 257	P	P	19 33 31.6 +2.8
KMI	Kunming	36.83 257	P	P	19 37 45.3 -2.3
KMI	Kunming	36.83 257	P	P	19 38 07.6 -3.6
	comp=Z,26nm,1.0s				
KMI					
	comp=Z,230nm,5.6s				
KMI					
	comp=Z,460nm,17.4s				
KMI					
	comp=Z,380nm,18.8s				
KMI					
	comp=Z,540nm,17.0s				
ANM	Nome	37.75 34	eP	P	19 32 13.2 +1.5
ANM	Nome	37.75 34	eP	P	19 32 13.2 +1.5
	comp=Z,24nm,1.5s				
ANM					
	comp=Z,24nm,1.5s				
DGZ	Jazzator, Alta	39.24 302c	iP	P	19 32 25.7 +1.1
DGZ	Jazzator, Alta	39.24 302c	iP	P	19 32 25.7 +1.1
	comp=Z,12nm,0.8s				
RDOG	Red Dog Mine	39.58 29	eP	P	19 32 27.5 +0.4
WMQ	Urumqi	40.30 293	P	P	19 32 34.3 +0.9
WMQ	Urumqi	40.30 293	P	P	19 32 45.7 +1.2
WMQ	Urumqi	40.30 293	P	P	19 32 50.9 +1.0
	comp=Z,36nm,1.3s				
WMQ					
	comp=Z,280nm,4.7s				
WMQ					
	comp=Z,750nm,29.1s				
WMQ					
	comp=Z,770nm,17.7s				
WMQ					
	comp=Z,710nm,20.7s				
ZAA0	Zalesovo Array	40.33 309	eP	P	19 32 33.0 -0.4
ZAA1	Zalesovo Array	40.33 309	eP	P	19 32 33.5 +0.2
ZALV	Zalesovo Beam	40.33 309	eP	P	19 32 33.5 +0.2
	comp=Z,12nm,0.5s,baz=96,slow=7.9,SNR=70				
ZALV	Zalesovo Beam	40.33 309	eP	P	19 50 54.0
ZALV	Zalesovo Beam	40.33 309	eP	P	19 32 33.0 -0.4
ZALV	Zalesovo Beam	40.33 309	eP	P	19 34 36.2 -0.2
NONG	Nongkai	40.94 248	P	P	19 32 40.4 +1.6
NVS	Novosibirsk	41.16 311	iP	P	19 32 40.3 +0.1
NVS	Novosibirsk	41.16 311	iP	P	19 32 40.3 +0.1
	comp=N,4.0nm,0.5s				
NVS					
	comp=E,10.0nm,0.5s				
NVS					
	comp=Z,12nm,0.5s				
SVW2	Sparrevohn	41.80 40	eP	P	19 32 47.4 +1.9
PAYA	Payao	42.44 253	P	P	19 32 53.4 +2.3

IM3	Indian Mountain	42.79 33	eP	P	19 32 54.7 +1.3
SIJI	Sorong	42.86 197	P	P	19 32 55.6 +1.2
	comp=Z,5.0nm,0.6s,baz=44,slow=15,SNR=3.6				
UTTA	Utta	42.99 250	P	P	19 32 56.7 +1.1
LAMP	Lampang	43.15 252	P	P	19 32 58.6 +1.7
	comp=Z,6.4nm,0.7s,comp=Z,6.1nm				
LSA	Lhasa	43.16 272	eP	P	19 32 58.0 +0.6
	comp=Z,9.4nm,0.6s				
LSA	Lhasa	43.16 272	eP	P	19 32 57.5 +0.1
OHAK	Old Harbor	43.19 45	eP	P	19 32 57.5 +0.8
	comp=Z,96nm,1.8s				
MK01	Makanchi Array	43.20 299	eP	P	19 32 56.5 -0.6
MK31	Makanchi Array	43.20 299	eP	P	19 32 56.5 -0.6
MK31	Makanchi Array	43.20 299	eP	P	19 32 56.5 -0.6
MK32	Makanchi Array	43.20 299	eP	P	19 32 56.9 -0.1
MKAR	Makanchi Array	43.20 299	eP	P	19 32 56.9 -0.1
	comp=Z,7.1nm,0.5s,baz=85,slow=10,SNR=113				
MKAR	Makanchi Array	43.20 299	eP	P	19 32 56.9 -0.1
MKAR	Makanchi Array	43.20 299	eP	P	19 32 56.9 -0.1
MKAR	Makanchi Array	43.20 299	eP	P	19 32 56.9 -0.1
	comp=Z,90nm,0.5s				
RSO	Redout South	43.21 41	eP	P	19 32 59.8 +2.7
CHAI	Chaiyaphum	43.22 247	P	P	19 32 57.9 +0.5
	comp=Z,1.1nm,0.7s,comp=Z,96nm				
PPLA	Purkeypile	43.39 37	eP	P	19 33 00.5 +2.0
	comp=Z,48nm,1.7s				
MAKZ	Makanchi	43.41 299	eP	P	19 32 58.4 -0.3
MAKZ	Makanchi	43.41 299	eP	P	19 32 58.4 -0.3
	comp=Z,15nm,1.0s				
MAKZ					
	comp=Z,15nm,1.0s				
CAST	Castle Rocks	43.43 36	eP	P	19 33 00.4 +1.7
	comp=Z,6.6nm,0.8s				
CHTO	Chiang Mai	43.46 253	eP	P	19 33 59.8 +0.4
CHTO	Chiang Mai	43.46 253	eP	P	19 33 00.0 +0.6
	comp=Z,7.1nm,0.7s				
PBKT	Sadao Pong	43.48 249	P	P	19 33 00.5 +1.0
	comp=Z,6.7nm,0.7s,comp=Z,2.2nm				
KDAD	Kodiad Island	43.51 45	P	P	19 32 59.7 +0.4
	comp=Z,1.1nm,1.1s,baz=222,slow=7.8,SNR=6.5				
CM31	Chiang Mai Arr	43.69 253	eP	S	19 33 01.7 +0.4
CM31	Chiang Mai Arr	43.69 253	eP	S	19 33 02.0 +0.8
CMAR	Chiang Mai Arr	43.69 253	eP	S	19 33 02.0 +0.8
	comp=Z,4.1nm,0.6s,baz=45,slow=7.6,SNR=49				
CM01	Chiang Mai Arr	43.70 253	eP	P	19 33 01.6 +0.3
SKT	Skwentna	43.73 38	eP	P	19 33 06.4 +5.4
SUKH	Sukhoi	43.83 251	P	P	19 33 04.1 +1.8
	comp=Z,26nm,1.8s				
BPAW	Bear Paw Mtn.	43.91 35	eP	P	19 33 02.2 -0.3
	comp=Z,9.9nm,0.6s				
MLY	Manley	44.01 34	eP	P	19 33 05.0 +1.7
	comp=Z,8.9nm,1.0s				
MLY	Manley	44.01 34	eP	P	19 33 05.0 +1.7
	comp=Z,8.9nm,1.0s				
CMPP	China Popt	44.04 42	eP	P	19 33 05.5 +2.0
BRLK	Bradley Lake	44.19 42	eP	P	

ISCJB 07 19:50:21.3.0.4, 7.6AS:0.02:146.91E:0.02: h130km,4km, mb5.4/302, Error ellipse: s-maj=3.3km s-min=2.7km az=35.7

IDC 07 19:50:23.0.0.7, 7.6AS:146.99E, h133km,3km, mb5.1/38, mb1 5.1/43, mb1mx5.1/49, mb1mx5.4/43, MS4.3/15, Ms1 4.3/15, ms1mx4.0/36, Error ellipse: s-maj=7.9km s-min=6.2km az=92.0

NEIC 07 19:50:23.0.4.0.7, 6.6S:146.95E, h140km,3km, mb5.5/198, Error ellipse: s-maj=2.7km s-min=2.5km az=77.0

NEIC Felt [I] at Lae

GCMT 07 19:50:25.4+0.2, 7.6SS:0.01:147.01E:0.01: h148km,2km, Mw5.7/120, Moment tensor solution, s56,663;

s120,c09; Duration: 1s6 Moment tensor: Scale 10^17 Nm; Mw:0.01±.09; Mw±2.67±.09; Mw±2.66±.09; Mw±1.36±.06; Mw±0.80±.08; Mw±2.29±.06; Best double couple: Ms3.84400:1017° NP1±324.00000°; 889.00000°, 1.136.00000°. NP2±55.00000°; 846.00000°, 1.1.00000°. Principal axes: T 3.9810, Plg30.0000°, Azm143.0000°; N -0.2740, Plg46.0000°, Azm143.0000°; P -3.7070, Plg28.0000°, Azm18.0000°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

DJA 07 19:50:25.0.5.8, S:3.14° 7E; h151km,4km, M5.4/93, mb5.8/76, mb5.8/76, ML5.9/83, MW5.9/76, MS4.3/76

ISC 07 19:50:22.6.0.5, 7.6ES:0.03:147.01E:0.03: h133km,3km, m979, s117/1092, mb5.5/296, 53C-7D, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC, h, m, s, ISC, LCH. Lists various seismic stations and their recorded data.

Table with columns: Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC, h, m, s, ISC, LCH. Lists various seismic stations and their recorded data.

Table with columns: Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC, h, m, s, ISC, LCH. Lists various seismic stations and their recorded data.

MJB9	Matsu-Tunnel	44.74 350	eP	P	19 58 22.8 +0.1
MASI	Maura Aman, Be	44.77 273	P	P	19 58 22.9 -0.5
QIZ	Giongzhong	45.22 306	pP	pP	19 58 27.6 +0.8
QIZ			pP	pP	19 56 54.3 -2.7
QIZ			SS	SS	20 04 56.3 +0.7
QIZ			SS	SS	20 08 24.6 +2.2
QIZ	comp=Z,220nm,0.8s		pmax	pmax	
QIZ	comp=Z,275nm,3.7s		pmax	pmax	
QIZ	Qiongzhong	45.22 306	eP	P	19 58 27.0 +0.2
KRJI	Kerinci	45.69 275	P	P	19 58 30.6 -0.1
SSE	Sheshan	45.78 329	P	P	19 58 32.1 +1.1
SSE			S	S	20 05 01.2 -3.5
SSE			S	S	
SSE	comp=Z,61nm,1.2s		pmax	pmax	
SSE	comp=Z,150nm,3.5s		pmax	pmax	
SSE			LR	LR	
BKNI	Bangkinang	46.51 278	eP	P	19 58 36.8 -0.3
BKNI	Bangkinang	46.51 278	P	P	19 58 37.2 +0.2
PDSI	Padang	46.86 276	P	P	19 58 38.9 -0.9
PDSI	comp=Z,56nm,0.6s,comp=Z,1um		P	P	
PPSI	Pulau Pagai	47.03 273	P	P	19 58 40.3 -0.8
IPM	Ipo	47.43 283	eP	P	19 58 43.9 -0.3
IPM			ePcP	PcP	20 00 13.3 +0.6
NJ2	Nanjing	47.76 327	eP	S	19 58 47.8 +1.4
NJ2			S	S	20 05 33.4 +0.6
NJ2	comp=Z,100nm,1.0s		pmax	pmax	
NJ2			LR	LR	
NJ2	comp=Z,510nm,16.0s		LR	LR	
NJ2	comp=Z,690nm,15.7s		LR	LR	
NJ2			LR	LR	
KULM	Kulim	48.00 284	eP	P	19 58 48.1 -0.4
KULM	comp=Z,205nm,0.7s		P	P	
MNSI	Mandailing Nat	48.03 278	P	P	19 58 48.7 -0.1
SISI	Saibi	48.15 275	P	P	19 58 49.5 -0.2
KSR5	Korea Array	48.29 340	eP	P	19 58 51.2 +0.9
KSR5	comp=Z,66nm,0.9s,baz=159,slow=6.9,SNR=98		P	P	
KSR5			PcP	PcP	20 00 16.4 +1.2
KSR5	comp=Z,9.7nm,0.8s,baz=173,slow=3.1,SNR=8.5		LR	LR	20 16 56.4
KS15	Wonju Array Si	48.30 340	eP	P	19 58 51.6 +1.2
KS15			ePcP	PcP	20 00 14.9 -0.3
KS15			e	e	20 16 56.4
KSAR	Wonju Array Be	48.30 340	P	P	19 58 51.2 +0.9
KSAR			PcP	PcP	20 00 16.4 +1.1
KSAR	Wonju Array Be	48.30 340	P	P	19 58 51.3 +0.9
KSAR			P	P	20 00 16.4
KS01	Wonju Array Si	48.33 340	eP	P	19 58 51.1 +0.5
KS01			ePcP	PcP	20 00 16.2 +0.9
SKLT	Songkhla	48.54 287	P	P	19 58 53.2 +0.5
SKLT	comp=Z,191nm,0.8s,comp=Z,2um		P	P	
SKNT	Sakolnakorn	49.08 300	eP	P	19 58 57.3 +0.6
PSI	Prapat	49.08 280	eP	P	19 58 56.1 -0.9
PSI	comp=Z,153nm,0.8s,comp=Z,1um		P	P	
PSI	Prapat	49.08 280	eP	P	19 58 56.1 -0.9
PSI			pmax	pmax	
PBSI	Pulau Batu	49.16 277	P	P	19 58 58.1 +0.7
WHN	Wuhan	49.23 322	↑P	S	19 58 59.0 +1.4
WHN			S	S	20 05 57.2 +3.7
WHN			pmax	pmax	
WHN	comp=Z,370nm,1.1s		pmax	pmax	
WHN	comp=Z,840nm,6.7s		LR	LR	
SRAK	Srakaw	49.54 296	P	P	19 58 56.7 -3.6
SRAK	comp=Z,156nm,0.9s,comp=Z,2um		P	P	
MIDW	Midway	49.55 42	eP	P	19 59 00.1 0.0
ERM	Erimo	49.55 356	eP	P	19 59 01.7 +1.9
ERM	comp=Z,196nm,1.4s		P	P	
ERM	Erimo	49.55 356	eP	P	19 59 01.7 +1.9
ERM			pmax	pmax	
COCO	West Island	49.57 261	eP	P	19 59 01.4 +0.9
COCO	comp=Z,101nm,0.6s		P	P	
COCO	West Island	49.57 261	eP	P	19 59 01.4 +0.9
COCO			pmax	pmax	
TSI	Tuntungan	49.59 281	P	P	19 59 00.6 -0.1
TRIT	Trang	49.62 287	P	P	19 59 01.0 +0.1
GSI	Gunungsitoli	50.10 278	eP	P	19 59 03.2 -1.4
GSI	comp=Z,47nm,0.7s,comp=Z,725nm		P	P	
GSI	Gunungsitoli	50.10 278	eP	P	19 59 03.2 -1.4
GSI			ePcP	PcP	20 00 22.7 +0.3
GSI	comp=Z,216nm,0.8s		P	P	19 59 03.7 -0.8
PATY	Pattaya	50.19 294	P	P	19 59 06.0 +0.8
PATY	comp=Z,301nm,0.8s,comp=Z,3um		P	P	
NONG	Nongkai	50.27 301	P	P	19 59 06.2 +0.4
NONG	comp=Z,42nm,0.9s,comp=Z,2um		P	P	
KCSI	Kotacane, Aceh	50.36 281	P	P	19 59 04.9 -1.7
KCSI	comp=Z,6.4nm,0.8s,comp=Z,274nm		P	P	
TPTI	Phuket	50.85 280	P	P	19 59 09.5 -0.9
TPTI	comp=Z,334nm,0.8s,comp=Z,2um		P	P	
PKDT	Phuket	50.92 287	P	P	19 59 10.6 -0.1
PKDT	comp=Z,100nm,0.9s,comp=Z,976nm		P	P	
PHET	Kaeng Krachan	51.31 293	P	P	19 59 14.2 +0.6
PHET	comp=Z,100nm,0.8s,comp=Z,670nm		P	P	
SNSI	Sinabang, Aceh	51.54 279	P	P	19 59 15.2 -0.1
SNSI	comp=Z,754nm,0.8s,comp=Z,6um		P	P	
LHMI	Lhok Sumawe	51.55 283	eP	P	19 59 14.2 -1.2
LHMI	comp=Z,502nm,0.8s		P	P	
LHMI	Lhok Sumawe	51.55 283	eP	P	19 59 15.5 +0.1
LHMI	comp=Z,684nm,0.7s,comp=Z,4um		P	P	
ASAJ	Asahikawa	51.69 356	eP	P	19 59 17.3 +1.4
ASAJ	comp=Z,32nm,0.7s,baz=222,slow=6.9,SNR=19		P	P	
ASAJ	Asahikawa	51.69 356	eP	P	19 59 17.1 +1.2
ASAJ			P	P	
GYA	Guiyang	51.79 312	↑P	P	19 59 18.3 +1.2
GYA			pP	pP	19 59 47.4 -0.7
GYA			pP	pP	20 00 01.8 -1.0
GYA			SS	SS	20 01 19.0 +2.7
GYA			SS	SS	20 06 30.5 +1.2
GYA			SS	SS	20 10 07.3 -0.6
GYA	comp=Z,120nm,0.8s		pmax	pmax	
GYA	comp=Z,210nm,6.2s		LR	LR	
GYA	comp=Z,880nm,18.2s		LR	LR	
GYA	comp=Z,940nm,19.4s		LR	LR	
TIA	Tai'an	51.89 329	P	P	19 59 17.1 -0.4
TIA	comp=Z,820nm,18.0s		pmax	pmax	
DL2	Dalian	51.98 335	P	P	19 59 17.1 -1.0
DL2			pP	pP	19 59 46.2 -2.9
DL2			S	S	20 06 29.4 -1.8
DL2	comp=Z,75nm,0.9s		pmax	pmax	
ENH	Enshi	52.14 318	eP	P	19 59 20.0 +0.5
ENH	comp=Z,52nm,0.8s		eS	S	20 06 38.8 +4.9
SRDT	SRDT	52.29 295	P	P	19 59 21.7 +0.9
SRDT	comp=Z,200nm,0.8s,comp=Z,2um		P	P	
UTTA	Utтарadit	52.36 299	P	P	19 59 22.0 +0.7
UTTA	comp=Z,120nm,0.8s,comp=Z,767nm		P	P	
UTHA	Uthairani	52.45 296	P	P	19 59 22.7 +0.7
UTHA	comp=Z,58nm,0.8s,comp=Z,460nm		P	P	
NANT	Nan	52.68 301	P	P	19 59 24.6 +0.9
NANT	comp=Z,143nm,0.8s,comp=Z,973nm		P	P	
RAR	Rarotonga	53.03 111	LR	LR	20 21 06.1
RAR	comp=Z,32nm,18.4s,baz=296,slow=35		LR	LR	
SUKH	Sukhothai	53.05 299	P	P	19 59 27.9 +1.5
SUKH	comp=Z,58nm,0.9s,comp=Z,538nm		P	P	
UMPA	Umpang Tak	53.22 297	P	P	19 59 28.3 +0.6
UMPA	comp=Z,72nm,0.9s,comp=Z,515nm		P	P	

USA0B	Ussuriysk Arra	53.37 347	eP	P	19 59 29.1 +0.8
USA0B	comp=Z,85nm,0.8s		P	P	
USKR	Ussuriysk Ar.	53.37 347	P	P	19 59 29.3 +1.1
USKR	comp=Z,62nm,0.7s,baz=173,slow=7.5,SNR=138		P	P	
LAMP	Lampang	53.48 300	P	P	19 59 31.1 +1.6
LAMP	comp=Z,69nm,0.8s,comp=Z,472nm		P	P	
PAYA	Payao	53.63 301	P	P	19 59 31.6 +0.9
PAYA	comp=Z,94nm,0.8s,comp=Z,716nm		P	P	
SNY	Shenyang	53.72 338	↑P	P	19 59 17.1 -1.4
SNY			S	S	20 06 45.0 -1.0
SNY			pmax	pmax	
SNY	comp=Z,28nm,3.4s		pmax	pmax	
SNY	comp=Z,610nm,4.1s		LR	LR	
SNY	comp=N,540nm,19.3s		LR	LR	
SNY	comp=E,730nm,17.9s		LR	LR	
SNY	comp=Z,660nm,26.9s		LR	LR	
KMI	Kunming	54.02 309	P	P	19 59 35.4 +1.8
KMI			pP	pP	20 00 03.3 -1.5
KMI			pP	pP	20 00 18.5 -1.0
KMI			SS	SS	20 01 39.7 +3.2
KMI			SS	SS	20 07 00.7 +0.9
KMI			SS	SS	20 10 41.8 -1.5
KMI	comp=Z,150nm,0.9s		pmax	pmax	
KMI	comp=Z,420nm,6.4s		LR	LR	
KMI	comp=Z,640nm,24.5s		LR	LR	
KMI	comp=Z,350nm,19.1s		LR	LR	
KMI	comp=Z,450nm,24.3s		LR	LR	
CM01	Chiang Mai Arr	54.02 299	eP	P	19 59 34.6 +1.1
CM31	Chiang Mai	54.05 299	eP	P	19 59 34.7 +1.0
CM31	Chiang Mai Arr	54.05 299	P	P	19 59 35.0 +1.3
CM31	SNR=92		P	P	
CMAR	Chiang Mai Arr	54.05 299	P	P	19 59 34.9 +1.2
CMAR	comp=Z,104nm,0.9s,baz=124,slow=5.7,SNR=488		LR	LR	20 24 37.7
CMAR	comp=Z,74nm,19.0s,baz=135,slow=38		LR	LR	
CMAR			P'P'p'df	P'P'p'df	20 29 46.5 -3.4
CHTO	Chiang Mai	54.19 300	eP	P	19 59 35.3 +0.6
CHTO	comp=Z,82nm,0.9s		P	P	
CHTO	Chiang Mai	54.19 300	eP	P	19 59 35.9 +1.1
CHTO	SNR=29		P	P	
CHTO	Chiang Mai	54.19 300	eP	P	19 59 35.3 +0.6
CHTO	comp=Z,83nm,0.9s		P	P	
CHTO	Chiang Mai	54.19 300	eP	P	19 59 35.5 +0.8
CHTO	comp=Z,462nm,1.5s,comp=Z,7um		P	P	
MDJ	Mudanjiang	54.35 345	P	P	19 59 36.3 +0.9
MDJ			pP	pP	20 00 18.5 -1.0
MDJ			S	S	20 07 05.9 +2.7
MDJ			SS	SS	20 10 44.9 -2.6
MDJ			pmax	pmax	
MDJ	comp=Z,44nm,0.8s		pmax	pmax	
MDJ	comp=Z,580nm,4.2s		LR	LR	
MDJ	comp=Z,850nm,4.3s		LR	LR	
MDJ	comp=Z,670nm,4.7s		LR	LR	
MDJ	comp=Z,1um,21.0s		P	P	19 59 36.3 +0.9
MDJ	Mudanjiang	54.35 345	eP	P	19 59 37.5 +1.1
MDJ	comp=Z,93nm,1.0s		P	P	
YSS	Yuzh-Sakhalins	54.50 356	eP	P	19 59 37.0 +0.6
YSS	comp=Z,66nm,0.9s		P	P	
YSS	Yuzh-Sakhalins	54.50 356	eP	P	19 59 37.0 +0.6
YSS			pmax	pmax	
CN2	Changchun	54.82 341	eP	P	19 59 38.8 0.0
CN2			PcP	PcP	20 00 38.8 -0.6
CN2			S	S	20 07 08.3 -1.1
CN2			pmax	pmax	
CN2	comp=Z,20nm,0.9s		pmax	pmax	
CN2	comp=Z,200nm,4.0s		P	P	19 59 40.2 +0.1
XAN	Xi'an	54.96 321	P	P	19 59 40.2 +0.1
XAN			pP	pP	20 00 17.5 +6.1
XAN			S	S	20 07 11.2 -0.7
XAN			SS	SS	20 08 11.6 +5.7
XAN			SS	SS	20 09 14.5 -1.9
XAN			pmax	pmax	
BJT	Baijiatou	55.33 331	eP	P	19 59 43.4 +0.9
BJT	comp=Z,150nm,1.1s		P	P	
BJT	Baijiatou	55.33 331	eP	P	19 59 43.4 +0.9
BJT	comp=Z,51nm,1.0s		P	P	
BJI	Beijing	55.35 331	P	P	19 59 42.8 +0.2
BJI			S	S	20 07 14.1 -2.5
BJI			pmax	pmax	
BJI	comp=Z,39nm,1.5s		LR	LR	
BJI	comp=Z,630nm,22.7s		LR	LR	
BJI	comp=Z,940nm,19.4s		LR	LR	
TIY	Taiyuan	55.48 327	eP	P	19 59 44.4 +0.6
TIY	comp=Z,250nm,23.7s		S	S	20 07 18.1 -0.6
TIY			pmax	pmax	
TIY	comp=Z,37nm,0.6s		pmax	pmax	
XMAS	Kiritimati	56.24 82	eP	P	19 59 50.5 +1.0
XMAS	comp=Z,190nm,5.6s		P	P	
CD2	Chengdu	56.44 315	↑P	P	19 59 51.5 +0.8
CD2		</			

7d 20h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Whipple, Wesleyville, Black Forest, etc.

2012 DEC

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Morro de la Ar, Montagnes des, etc.

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Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Mesa Verde, Great Sand Sun, etc.

7d 20h

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like CM31, CMAR, CM01, etc.

2012 DEC

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like IPM, DAWY, BRVK, etc.

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Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like BMO, BMO, J08A, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Rabbit Creek A, Skwentna, Port Wells, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, and other parameters. Includes stations like Ishinomakikobu, Ouri, Kesennumototy, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Beijing, Baotou, Seymchan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, and other parameters. Includes stations like Ofunato, Ishinomakikobu, Kesennumototy, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, and other parameters. Includes stations like Ofunato, Ishinomakikobu, Kesennumototy, etc.

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KMI Kunming, JAY Jayapura, ANM Nome, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KSH Dease Lake, HYT Haines Junction, INK Inuvik, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like DOPR Dopca, ARR Arges, MORC Moravsky Berou, etc.

MEX 07 21:03:05.3.0.2, 16:28N-97.96W, h1km, MD3.6, Oaxaca

IDC 07 21:13:40.1±2.7, 38°14'N, 144°56'E, h0km, mb3.5/2, mb1.3.6/4, mb1mx3.4/3, mbtmp3.5/4, ML3.6/2, Error ellipse: s-maj=61.5km s-min=32.6km az=80.0

JMA 07 21:13:45.3.0.2, 38.21N, 144.56E, h42km, M3.8

ISC 07 21:13:44.0.1, 4.3626N, 107.14472E, 0.09, h26km, n19, r163/26, Off east coast of Honshu

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like OFUJ Ofunato, OJJK Ishinomakikobu, etc.

7d 21h

Table with columns: JTKR, Abashiri-Toko, 5.74 354 P, Pn, 21 15 08.0 +0.6, etc.

NIED 07 21:20:00, 37:60N, 143:60E, h5km, Mw4.3 Best double couple: Me2.78000x1015 Np1.3e12.000000, delta.000000, lambda.80.000000. NP2.0x181.000000, delta.000000, lambda.94.000000.

IDC 07 21:20:46.3-0.6, 37:48N, 143:89E, h0km, mb4.0/15, mb1.4/2.0, mb1mx4.1/48, mbtmp4.1/20, ML4.0/4, MS3.2/5, Ms1.3/2.5, ms1mx2.8/41, Error ellipse: s-maj=17.6km s-min=14.1km az=98.0

MOS 07 21:20:48.6-1.4, 37:56N, 143:89E, h30km, mb4.6/10, Error ellipse: s-maj=10.3km s-min=7.9km az=100.9

JMA 07 21:20:49.2-0.2, 37:60N, 143:65E, h5km, M4.0 NEIC 07 21:20:51.6-0.2, 37:47N, 143:83E, h35km, mb4.6/17, Error ellipse: s-maj=5.7km s-min=4.3km az=147.0

NEIC Felt at Osaka. ISC 07 21:20:48.1-2.6, 37:58N, 0:05, 143:80E, 0:05, h9km, 16km, n128, e2843/144, mb4.5/48, 4C-1D, Off east coast of Honshu

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

2012 DEC

Main table with columns: LZH, comp=Z, 450nm, 16.7s, 34.22 287 eP, P, 21 27 36.0 +1.8, etc.

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Table with columns: CLL, ANMO, Albuquerque, 82.77, 51cP, P, 21 33 18.0 +6.2, etc.

MAN 07 21:25:40.8, 6:49N, 124:81E, h54km, mb4.5, ML3.3, MS3.1, 2C, Mindanao

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

ISCJB 07 21:31:57.7-0.3, 31:38S, 0:03, 68:46W, 0:04, h122km, 3km, mb4.1/5, Error ellipse: s-maj=6.3km s-min=4.3km az=1.8

IDC 07 21:31:58.1-2.6, 31:27S, 68:98W, h110km, 23km, mb3.6/4, mb1.9/3.7, mb1mx3.4/24, mbtmp3.8/7, Error ellipse: s-maj=35.5km s-min=17.5km az=94.0

NEIC Felt [III] at San Juan. ISC 07 21:31:58.4-0.6, 31:35S, 0:04, 68:48W, 0:05, h111km, 5km, n47, e149/62, mb3.9/5, San Juan Province

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JANG Nango, JAG Ashikaga, JKB Kayabe, etc.

ISC 07 22:36:59.8±1.9, 49.8N±0.1x18.46E±0.06, h0km, n6, e072/11, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MORC Moravsky Berou, LANS Liptovska Anna, etc.

ISCJB 07 22:46:29.3±0.5, 20.10S±0.05±68.64W±0.09, h127km, 7km, mb3.9/4, Error ellipse: s-maj=14.3km s-min=7.7km az=161.5

GUC 07 22:46:31.2±0.5, 20.18S±68.84W, h123km, 3km, M.L4.0, IDC 07 22:46:31.3±1.2, 20.23S±68.84W, h129km, 13km, mb3.7/5, mb1.3/6.10, mb1mx3.4/30, mbtmp4.0/10, MS4.0/2, Ms1.3/9.2, ms1mx2.8/24, Error ellipse: s-maj=26.8km s-min=12.7km az=109.0

ISC 07 22:46:30.6±0.7, 20.16S±0.05±68.73W±0.09, h126km, 8km, n17, e137/23, mb4.0/4.5C, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB08 IPOC Station P, PB11 IPOC Station P, etc.

IDC 07 22:52:49.3±2.5, 5.59S±133.69E, h0km, mb3.8/2, mb1.4/0.6, mb1mx3.7/32, mbtmp3.8/6, M.L3.8/4, Error ellipse: s-maj=110.8km s-min=24.5km az=82.0, Az Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIJI Sorong, WRA Warrungarra Arr, etc.

NIED 07 22:59:00.37±80N±143.70E, h5km, Mw5.1 Best double couple: Ms5.1000±1016 NP1±24.00000±827.00000, λ-122.00000°, NP2±239.00000±667.00000, λ-75.00000°

ISCJB 07 22:59:56.5±0.6, 37.75N±0.02±143.75E±0.01, h8km, 3km, mb5.5/556, MS4.8/209, Error ellipse: s-maj=3.1km s-min=1.7km az=170.6

IDC 07 22:59:56.4±0.4, 37.70N±143.85E, h0km, mb5.3/38, mb1.5/4/7, mb1mx5.4/55, mbtmp5.3/47, M.L4.6/7, MS4.4/16, 2012 DEC

Ms1.4/4.16, ms1mx4.2/25, Error ellipse: s-maj=11.3km s-min=9.8km az=112.0
JMA 07 22:59:59.5±0.2, 37.81N±143.71E, h44km, M5.2
JMA Felt II J1.
MOS 07 23:00:00.8±0.9, 38.06N±143.72E, h28km, mb5.7/131, MS4.7/70, Error ellipse: s-maj=5.4km s-min=3.4km az=101.4
NEIC 07 23:00:00.5±0.8, 37.74N±143.76E, h24km±5km, mb5.5/297, Error ellipse: s-maj=2.7km s-min=1.7km az=149.0
NEIC Recorded (2 JMA) in Miyagi.
GCMT 07 23:00:00.5±0.2, 37.83N±0.02±143.81E±0.02, h12km, Mw5.2/88, Moment Tensor Solution, s=35.05, s88.c161; Duration: 0. Moment tensor: Scale 10^16Nm; Mr=5.79±.18; Mw=6.23±.17; Mww=3.17±.16; Mo=1.33±.64; Mww4.96±.13; Mw1.66±.57; Best double couple: M7.15400±1016 NP1±221.00000±654.00000°, λ-93.00000°. NP2: ±64.00000°, δ36.00000°, λ-86.00000°. Principal axes: T 8.1890, Plg9.0000°, Azm313.0000°; N -2.0600, Plg2.0000°, Azm223.0000°; P -6.1190, Plg81.0000°, Azm117.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
BUJ 07 23:00:05.5±38.01N±143.13E, h46km, mb5.2/80, mb5.3/56, Mw5.1/85, Ms7.4/973
ISC 07 23:00:01.0±0.4, 37.80N±0.03±143.80E±0.03, h30km±2km, h30km±p-P, n17±2, e127/1766, mb5.6/567, MS4.7/209, 90C-87D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakiokubo, JJK Ouri, JJO Kesenumototy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TEY comp=E,290nm,0.7s, comp=N,330nm,0.8s, etc.

7d 23h

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Date/Time, and Description. Includes stations like MKAR, PPLA, PATY, CAST, MAKZ, etc.

2012 DEC

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Date/Time, and Description. Includes stations like PAX, EYAK, KPKS, HARP, SATY, etc.

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Table with columns: Call Sign, Frequency, Mode, Power, Direction, Date/Time, and Description. Includes stations like KSH, EPYK, UCH, EKS2, KIP, etc.

LVZ	Lovozero	62.19 336	eP	P	23 10 18.8 -0.4
LVZ	comp=Z,500nm,20.0s				
LVZ	Lovozero	62.19 336c	iP	P	23 10 19.0 -0.2
LVZ	comp=Z,10.0nm,1.0s				
LVZ	comp=Z,4.7nm,0.8s				
YKA	Yellowknife Ar	62.19 31	P	P	23 10 19.6 +0.4
YKA	comp=Z,2.5nm,0.7s,baz=302,slo=6.7,SNR=266				
YKA	comp=Z,4.7nm,0.6s,baz=301,slo=4.0,SNR=8.5				
YKA	comp=Z,0.6nm,0.9s,baz=104,slo=1.7,SNR=5.4				
YKBS	Yellowknife Ar	62.19 31	P	P	23 10 18.3 -0.9
APA	Apapaty	62.76 336	iP	P	23 10 22.4 -0.6
APA	comp=Z,7.1nm,0.8s				
MBWA	Marble Bar	62.86 205	eP	P	23 10 23.7 -0.5
MBWA	comp=Z,19nm,0.8s				
EIDS	Eidsvold	63.20 173	eP	P	23 10 26.6 +0.3
EIDS	comp=Z,69nm,1.9s				
POO	Poono	63.23 273	eP	P	23 10 25.0 -1.8
DZM	Mont Dzumac	63.25 156	eP	P	23 10 27.3 +0.5
DZM	comp=Z,96nm,1.4s				
DZM	Mont Dzumac	63.25 156	eP	P	23 10 26.4 -0.4
DZM	comp=Z,39nm,1.1s				
KEV	Kevo	63.39 340	eP	P	23 10 27.7 +0.6
KEV	comp=Z,7.1nm,0.9s				
KEV	comp=Z,400nm,20.0s				
HAMF	Hammerfest	63.71 341	eP	P	23 10 29.6 +0.4
ARCES	ARCCESS Array B	63.94 340	eP	P	23 10 31.3 +0.5
AREO	ARCCESS Array S	63.94 340	eP	P	23 10 31.4 +0.6
AREO	ARCCESS Array S	63.94 340	eP	P	23 10 31.4 +0.6
TULEG	Thule	64.09 8	eP	P	23 10 31.4 -0.1
TULEG	comp=Z,159nm,1.5s				
KLMR	Klimovskoe	64.12 328	eP	P	23 10 31.0 -0.9
KLMR	comp=Z,2.76nm,1.5s				
KLMR	Klimovskoe	64.12 328	eP	P	23 10 31.1 -0.9
KLMR	comp=Z,76nm,1.5s				
KLMR	Klimovskoe	64.12 328	eP	P	23 10 31.1 -0.9
KLMR	comp=Z,76nm,1.5s				
PALK	Pallekele	64.38 259	eP	P	23 10 35.1 +0.6
PALK	comp=Z,22nm,0.8s				
PALK	Pallekele	64.38 259	eP	P	23 10 35.1 +0.6
PALK	comp=Z,21nm,0.8s				
XMAS	Kiritimati	64.39 109	eP	P	23 10 34.1 -0.4
PGC	Sidney	64.43 47	eP	P	23 10 33.6 -0.7
PGC	comp=Z,58nm,1.1s				
NLWA	Neilton Lookou	64.79 49	eP	P	23 10 38.4 +1.6
NLWA	comp=Z,148nm,1.0s				
KTK1	Kautokoino	64.90 340	eP	P	23 10 37.6 +0.6
A05A	Maipio Falls	65.05 46	PFAKE	LR	23 10 50.0 +1.2
A05A	comp=Z,200nm,19.0s				
GEYT	Alibeck	65.12 300	eP	P	23 10 38.9 -0.1
GEYT	comp=Z,29nm,0.7s,baz=57,slo=5.5,SNR=80				
GYA0B	ALIBECK ARRAY	65.12 300	eP	P	23 10 39.5 +0.5
GYA0B	comp=Z,57nm,0.8s				
DAG	Danmarks Havn	65.17 356	iP	P	23 10 38.6 0.0
DAG	comp=Z,50nm,1.0s				
DAG	Danmarks Havn	65.17 356	iP	P	23 10 38.6 0.0
DAG	comp=Z,50nm,1.0s				
D03D	Eldon	65.19 48	P	P	23 10 41.4 +2.2
D03D	baz=299				
E03A	Lebam	65.39 49	eP	P	23 10 41.9 +1.4
E03A	comp=Z,85nm,1.0s				
B05A	Bryant	65.41 47	P	P	23 10 42.3 +1.7
B05A	baz=300				
TRO	Tromso	65.60 342	eP	P	23 10 42.0 +0.5
B06A	Marblemount	65.63 47	eP	P	23 10 43.2 +1.1
B06A	comp=Z,78nm,1.4s				
F04D	Rainier, OR	65.95 50	P	P	23 10 45.9 +1.7
F04D	baz=300				
E04D	Cinebar	65.98 49	P	P	23 10 46.4 +2.1
E04D	baz=300,SNR=7.0				
D05A	Enumclaw	66.01 48	eP	P	23 10 45.2 +0.7
D05A	comp=Z,251nm,1.8s				
C06D	Leavenworth	66.28 47	eP	P	23 10 47.7 +1.4
C06D	baz=301				
LON	Longmire	66.33 48	eP	P	23 10 48.3 +1.6
LON	comp=Z,12nm,1.0s				
LON	Longmire	66.33 48	eP	P	23 10 48.3 +1.6
LON	comp=Z,13nm,1.0s				
I02D	Swissmoe	66.43 52	P	P	23 10 49.2 +1.9
I02D	baz=300				
COR	Corvallis	66.53 51	eP	P	23 10 48.4 +0.5
COR	comp=Z,177nm,1.1s				
COR	Corvallis	66.53 51	eP	P	23 10 48.4 +0.5
COR	comp=Z,177nm,1.1s				
LTY	Liberty	66.75 48	eP	P	23 10 50.4 +1.0
LTY	comp=Z,24nm,0.8s				
J01E	Myrtle Point	66.86 53	P	P	23 10 51.9 +1.9
J01E	baz=301				
H04D	Lebanon	66.91 51	P	P	23 10 52.3 +2.0
H04D	baz=301				
B08A	Colville Reser	66.95 46	eP	P	23 10 51.6 +1.0
B08A	comp=Z,28nm,0.9s				
I03D	Drain, OR	66.95 52	P	P	23 10 52.6 +2.0
I03D	baz=301,SNR=5.4				
F05D	White Salmon	66.98 49	P	P	23 10 52.5 +1.7
F05D	baz=301				
H04A	Detroit Lake	67.16 51	eP	P	23 10 52.9 +0.9
H04A	comp=Z,189nm,1.5s				
K02D	Willetta Mer	67.26 53	P	P	23 10 54.4 +1.7
K02D	baz=301,SNR=13				
G05D	Wamic, OR	67.40 50	P	P	23 10 55.2 +1.7
G05D	baz=301,SNR=7.1				
I04A	Tendick Farm	67.48 51	P	P	23 10 55.5 +1.4
I04A	baz=301,SNR=9.3				
L02E	Cave Junction	67.58 53	P	P	23 10 56.4 +1.7
L02E	baz=301,SNR=11				
E07A	Sunnyside	67.59 48	eP	P	23 10 55.5 +0.8
E07A	comp=Z,31nm,0.9s				
HUMO	Hull Mountain	67.76 53	eP	P	23 10 56.4 +0.7
HUMO	comp=Z,56nm,1.5s				
MOS	Moscow	67.76 324	eP	P	23 10 54.1 -1.4
MOS	comp=Z,11nm,0.8s				
MOS	comp=Z,22nm,0.8s				
MOS	comp=Z,22nm,0.8s				
MOS	comp=Z,103nm,1.4s				
MOS	comp=Z,200nm,1.7s				
MOS	comp=E,900nm,15.0s				
MOS	comp=Z,1.1um,15.0s				
STEI	Steigen	67.76 341	eP	P	23 10 55.7 +0.4
G06A	Carison Farm	67.82 49	eP	P	23 10 56.9 +0.7
G06A	comp=Z,27nm,0.9s				
C09A	Chrisman Ranch	67.85 46	eP	P	23 10 56.6 +0.4
C09A	comp=Z,24nm,0.9s				
I05D	Terrebonne, OR	67.86 51	P	P	23 10 57.8 +1.3
I05D	baz=302,SNR=7.7				
HAWA	Hanford	67.86 48	eP	P	23 10 57.2 +0.8
HAWA	comp=Z,17nm,0.9s				
HAWA	comp=Z,361nm,21.0s				
D08A	Wollman Farm	67.87 47	eP	P	23 10 57.2 +0.8
D08A	comp=Z,29nm,0.8s				
F07A	Phinny Hill Vi	67.89 49	eP	P	23 10 57.6 +1.1
F07A	comp=Z,45nm,0.8s				
J04D	Umpqua Nationa	67.96 52	P	P	23 10 58.9 +1.6
J04D	baz=302,SNR=7.1				
E08A	Dider Farm, E	68.09 48	eP	P	23 10 58.5 +0.8
E08A	comp=Z,22nm,0.8s				
KHMM	Horse Mountain	68.16 55	eP	P	23 11 00.3 +1.7
KHMM	comp=Z,64nm,1.0s				
NEW	Newport	68.25 45	eP	P	23 10 59.8 +1.0
NEW	comp=Z,49nm,1.1s				
NEW	Newport	68.25 45	eP	P	23 10 59.8 +1.0
NEW	comp=Z,299nm,20.0s				
NEW	Newport	68.25 45	eP	P	23 10 59.8 +1.0
NEW	comp=Z,48nm,1.1s				

NEW	Newport	68.25 45	P	P	23 10 59.7 +1.0
NEW	comp=Z,299nm,20.0s				
ARMA	Armadale	68.26 173	eP	P	23 10 59.6 +0.7
ARMA	comp=Z,59nm,1.5s				
VRH	Novokhopovsk	68.28 319	eP	P	23 10 57.9 -0.9
VRH	comp=Z,110nm,1.2s				
VRH	comp=Z,80nm,1.1s				
VRH	comp=Z,2.1um,19.0s				
YBH	Yreka Blue Hor	68.37 53	eP	P	23 11 01.6 +1.9
YBH	comp=Z,40nm,1.0s				
YBH	Yreka Blue Hor	68.37 53	eP	P	23 11 01.6 +1.9
YBH	comp=Z,40nm,1.0s				
L04D	Klamath Falls	68.37 53	P	P	23 11 01.3 +1.5
L04D	baz=302,SNR=19				
PINE	Pine Mountain	68.39 51	eP	P	23 11 02.0 +2.0
PINE	comp=Z,317nm,1.6s				
M02C	Callahan	68.46 54	P	P	23 11 02.2 +1.9
M02C	baz=302,SNR=13				
J05D	Fort Rock, OR	68.48 51	P	P	23 11 02.3 +1.8
J05D	baz=302,SNR=22				
PUL	Pulkovo	68.49 330	eP	P	23 11 00.8 +0.8
PUL	comp=Z,58nm,0.4s				
K04D	Chiloquin, OR	68.50 52	P	P	23 11 02.2 +1.5
K04D	baz=302				
OBN	Obninsk	68.61 324	P	P	23 11 01.3 +0.4
OBN	comp=Z,10nm,0.7s,baz=36,slo=3.5,SNR=21				
OBN	Obninsk	68.61 324	eP	P	23 11 01.2 +0.4
OBN	comp=Z,54nm,0.8s				
OBN	comp=Z,700nm,18.0s				
OBN	Obninsk	68.61 324	eP	P	23 11 00.9 +0.1
OBN	comp=Z,13nm,1.0s				
OBN	Obninsk	68.61 324	eP	P	23 11 00.9 +0.1
OBN	comp=Z,52nm,0.9s				
OBN	comp=Z,711nm,15.0s				
E09A	Wood Farm, Sta	68.61 47	eP	P	23 11 02.3 +1.3
E09A	Arns Lake				
N02D	Trinity Center	68.77 54	eP	P	23 11 04.1 +1.8
N02D	baz=302,SNR=18				
G08A	Pilot Rock	68.79 49	eP	P	23 11 03.1 +0.7
G08A	comp=Z,16nm,1.0s				
M04C	Macedo	68.90 53	P	P	23 11 04.7 +1.7
M04C	baz=302,SNR=18				
LPSR	Galich'ya Gora	68.92 321	eP	P	23 11 03.0 +0.2
LPSR	comp=Z,120nm,1.3s				
K05A	Sunam Lake	68.99 52	eP	P	23 11 05.1 +1.4
K05A	comp=Z,329nm,1.7s				
FINES	FINESS Array B	69.01 333	P	P	23 11 03.6 +0.4
FINES	comp=Z,75nm,0.7s,baz=47,slo=8.4,SNR=155				
FINES	FINESS Array B	69.01 333	iP	P	23 11 03.5 +0.3
FINES	comp=Z,75nm,0.7s				
WDC	Whiskeytown La	69.09 54	eP	P	23 11 05.0 +1.0
WDC	comp=Z,46nm,1.2s				
WDC	Whiskeytown La	69.09 54	eP	P	23 11 05.1 +1.0
WDC	comp=Z,46nm,1.2s				
O02D	Mt. Diablo Mer	69.19 55	P	P	23 11 06.4 +1.9
O02D	baz=302,SNR=15				
M0R8	Mol Rans	69.24 340	eP	P	23 11 04.0 -1.0
STKA	Stephens Creek	69.35 182	P	P	23 11 04.9 -0.6
STKA	comp=Z,12nm,0.7s,baz=346,slo=7.4,SNR=24				
STKA	Stephens Creek	69.35 182	eP	P	23 11 05.3 -0.2
STKA	comp=Z,2.6nm,0.8s				
WALA	Watson Lakes	69.59 43	eP	P	23 11 08.2 +1.0
WALA	comp=Z,107nm,1.5s				
VSR	Storozhevoje	69.60 320	eP	P	23 11 06.1 -0.9
VSR	comp=Z,160nm,1.8s				
VSR	comp=Z,90nm,1.4s				
VSR	comp=Z,1.1um,20.0s				
O03E	Payas Creek	69.72 54	P	P	23 11 08.8 +0.6
O03E	baz=303,SNR=20				
MOD	Modoc Plateau	69.80 52	eP	P	23 11 09.9 +1.2
MOD	comp=Z,122nm,1.8s				
SUMG	Summit	69.91 1	eP	P	23 11 10.2 +1.1
SUMG	comp=Z,60nm,0.8s				
SUMG	Summit	69.91 1	eP	P	23 11 10.2 +1.1
SUMG	comp=Z,180nm,0.9s				
SUMG	Summit	69.91 1	eP	P	23 11 10.2 +1.1
SUMG	comp=Z,60nm,0.8s				
BMO	Blue Mountains	70.01 48	eP	P	23 11 11.0 +1.1
BMO	comp=Z,25nm,0.9s				
BMO	comp=Z,247nm,19.0s				
BMO	Blue Mountains	70.01 48	eP	P	23 11 11.0 +1.1

ITM	Ithomi	88.10 317	eP	P	23 12 48.4 -0.4
ITM	Ithomi	88.10 317	P	P	23 12 45.9 -2.9
HDIL	Hopedale	88.12 38	eP	P	23 12 49.1 +0.3
HDIL	Hopedale	88.12 38	P	P	23 12 49.0 +0.2
MATE	Matera	88.14 323	fP	P	23 12 49.3 +0.5
TXAR	Lajitas Array	88.14 34	P	P	23 12 49.6 +0.3
TXAR	comp-Z, 6.0nm, 0.7s, baz=300, slow=3, SNR=116		LR	LR	23 50 31.3
VLC	Villacollemand	88.17 328	PFAKE	LR	23 13 00.0 +11
VLC	comp-Z, 800nm, 18.0s		LR	LR	
F52A	Sundridge	88.19 29	P	P	23 12 49.1 +0.1
TUL1	Leonard	88.23 44	eP	P	23 12 49.9 +0.4
TUL1	Leonard	88.23 44	P	P	23 12 49.6 +0.2
E53A	Dumoine, Ponti	88.31 27	P	P	23 12 49.2 -0.4
O43A	Sugar Creek Fa	88.32 38	P	P	23 12 49.8 0.0
AQU	L'Aquila	88.33 326	eP	P	23 12 51.2 +1.3
AQU	comp-Z, 50nm, 1.0s		LR	LR	
AQU	L'Aquila	88.33 326	eP	P	23 12 51.2 +1.3
AQU	comp-Z, 50nm, 1.0s		Pmax	Pmax	
AQU	comp-Z, 800nm, 21.0s		MLR	MLR	
AQU	L'Aquila	88.33 326	fP	P	23 12 50.6 +0.8
I49A	Point Hope	88.34 32	P	P	23 12 50.4 +0.6
SSF	Saint Saulge	88.35 334	eP	P	23 12 50.6 +0.8
SSF	comp-Z, 27nm, 1.1s		Pmax	Pmax	
P42A	Winchester	88.35 39	eP	P	23 12 50.2 +0.3
P42A	Winchester	88.35 39	P	P	23 12 50.1 +0.3
ABTX	Abilene, Hawle	88.36 49	eP	P	23 12 50.9 +0.7
ABTX	Abilene, Hawle	88.36 49	P	P	23 12 50.4 +0.3
L46A	Eue Claire	88.38 35	P	P	23 12 50.1 +0.1
Q41A	Truxton	88.39 40	P	P	23 12 50.4 +0.3
K47A	Vermontville	88.44 34	P	P	23 12 50.4 +0.2
M45A	Boilermakers S	88.44 36	P	P	23 12 50.0 -0.3
DAMY	Dhamar	88.44 287	PFAKE	LR	23 13 00.0 +8.9
DAMY	comp-Z, 300nm, 18.0s		LR	LR	
E54A	Lac Daplat, Po	88.44 27	P	P	23 12 49.7 -0.5
J48A	Bridge Port	88.45 33	P	P	23 12 51.0 +0.7
HPIG	comp-Z, 14nm, 1.0s		LR	LR	23 12 51.1 +0.2
HPIG	comp-Z, 600nm, 18.0s		LR	LR	
N44A	Piper City	88.49 37	P	P	23 12 50.7 +0.1
LPG	La Plagne	88.51 331	eP	Pmax	23 12 51.0 +0.1
LPG	comp-Z, 35nm, 0.8s		Pmax	Pmax	
J49A	Marlette	88.68 32	P	P	23 12 52.1 +0.7
K48A	Perry	88.71 33	P	P	23 12 52.0 +0.5
P43A	Skaggs, Pawnee	88.72 38	P	P	23 12 51.8 +0.1
N45A	Kentland	88.74 36	P	P	23 12 52.2 +0.5
Q42A	Golden Eagle	88.77 39	P	P	23 12 52.4 +0.5
R41A	Rosebud	88.81 40	P	P	23 12 52.2 +0.1
O44A	Mansfield	88.83 37	P	P	23 12 52.2 0.0
M46A	Old House Fiel	88.84 35	P	P	23 12 52.1 0.0
L47A	Sherwood	88.90 34	P	P	23 12 52.6 +0.1
H52A	Weyvale	88.94 30	P	P	23 12 52.7 +0.2
HHAR	Hobbs	88.97 43	eP	P	23 12 52.8 -0.1
K49A	Clarkson	89.01 33	P	P	23 12 53.4 +0.4
G53A	Haliburton	89.03 29	P	P	23 12 53.0 0.0
CCM	Cathedral Cave	89.06 40	eP	P	23 12 53.3 0.0
CCM	Cathedral Cave	89.06 40	eP	P	23 12 53.3 0.0
CCM	comp-Z, 77nm, 1.0s		Pmax	Pmax	
CCM	Cathedral Cave	89.06 40	P	P	23 12 53.4 +0.1
N46A	Monticello	89.07 36	P	P	23 12 53.2 0.0
CUC	Castroccuo	89.07 323	PFAKE	LR	23 13 10.0 +17
CUC	comp-Z, 400nm, 18.0s		LR	LR	
O45A	Potomac	89.11 37	P	P	23 12 53.8 +0.4
R42A	Luebbering	89.12 40	P	P	23 12 53.8 +0.2
SADO	Sadow	89.12 29	eP	P	23 12 53.6 +0.1
S41A	Jillco Farms,	89.16 41	P	P	23 12 53.5 -0.3
Q43A	New Douglas	89.17 39	P	P	23 12 53.8 0.0
I51A	Listowel	89.19 31	P	P	23 12 54.5 +0.7
M47A	Cromwell	89.21 35	P	P	23 12 54.2 +0.3
TIP	Timpagrande	89.25 322	eP	P	23 12 54.8 +0.5
TIP	comp-Z, 400nm, 19.0s		LR	LR	
TIP	Timpagrande	89.25 322	fP	P	23 12 55.0 +0.8
TIP	Timpagrande	89.25 322	P	P	23 12 54.2 0.0
F55A	Otter Lake	89.25 27	P	P	23 12 53.5 -0.5
L48A	N Adams	89.27 34	P	P	23 12 54.6 +0.4
P44A	Sand Creek, WI	89.29 38	P	P	23 12 54.8 +0.4
SFIN	Lafayette	89.30 36	eP	P	23 12 54.7 +0.3
SFIN	Lafayette	89.30 36	P	P	23 12 54.7 +0.3
I52A	Shelburne	89.31 30	P	P	23 12 54.6 +0.3
AAM	Ann Arbor	89.32 33	P	P	23 12 54.8 +0.4
K50A	Casco	89.38 32	P	P	23 12 54.8 +0.2
L49A	Milan	89.43 33	P	P	23 12 55.5 +0.6
X37A	Clayton	89.43 45	eP	P	23 12 55.6 +0.6
U40A	Yellville	89.50 42	P	P	23 12 55.1 -0.3
S42A	Caledonia	89.51 40	P	P	23 12 55.5 +0.1
M48A	Edgerton	89.51 34	eP	P	23 12 55.7 +0.3
M48A	Edgerton	89.51 34	P	P	23 12 55.6 +0.2
SSB	Saint Sauveur	89.52 333	eP	P	23 12 56.1 +0.7
O44A	Meyer Farm, Va	89.53 38	P	P	23 12 55.7 +0.2
FVM	French Village	89.54 40	eP	P	23 12 56.0 +0.5
FVM	French Village	89.54 40	eP	P	23 12 56.1 +0.5
FVM	comp-Z, 40nm, 0.9s		Pmax	Pmax	
N47A	Urbana	89.56 35	P	P	23 12 55.5 -0.1

R43A	Red Bud	89.56 39	P	P	23 12 55.5 -0.1
T41A	Mountain View	89.56 41	P	P	23 12 55.4 -0.3
G55A	Calabogie	89.62 27	P	P	23 12 55.5 -0.2
P45A	Graceland, Par	89.67 37	eP	P	23 12 56.5 +0.4
P45A	Graceland, Par	89.67 37	P	P	23 12 56.3 +0.3
PLVO	Plevna	89.67 28	eP	P	23 12 56.1 +0.1
I53A	Koussif C	89.74 30	P	P	23 12 56.7 +0.4
JCT	Junction City	89.77 51	eP	P	23 12 56.8 0.0
JCT	Junction City	89.77 51	eP	LR	23 12 56.8 0.0
JCT	comp-Z, 327nm, 19.0s		LR	LR	
JCT	Junction City	89.77 51	eP	P	23 12 56.8 0.0
JCT	comp-Z, 14nm, 0.8s		Pmax	Pmax	
JCT	comp-Z, 327nm, 19.0s		MLR	MLR	
JCT	Junction City	89.77 51	P	P	23 12 56.7 -0.2
O47A	Sheridan	89.85 36	P	P	23 12 56.7 -0.2
M49A	Liberty Center	89.85 34	P	P	23 12 56.9 0.0
P46A	Rosedale	89.85 37	P	P	23 12 57.3 +0.4
W39A	Magazine	89.86 44	eP	P	23 12 57.4 +0.3
W39A	Magazine	89.86 44	P	P	23 12 57.1 0.0
N48A	Decatur	89.88 35	P	P	23 12 57.1 +0.1
J52A	Paris	89.88 31	P	P	23 12 57.5 +0.5
K51A	Iono Station	89.89 32	P	P	23 12 57.9 +0.8
T42A	Van Buren	89.92 41	eP	P	23 12 57.4 0.0
T42A	Van Buren	89.92 41	P	P	23 12 57.2 -0.1
Q45A	Warren Harvey,	89.96 38	P	P	23 12 58.0 +0.5
SA4	Saint Martin D	89.97 336	eP	P	23 12 57.5 +0.1
MFF	MFF		Pmax	Pmax	
U41A	Viola	90.01 42	P	P	23 12 57.6 -0.2
R44A	Waltonville	90.01 39	P	P	23 12 57.9 +0.2
S43A	Fulton Ridge,	90.03 40	P	P	23 12 57.7 -0.1
H55A	Tweed	90.05 28	P	P	23 12 59.5 +1.7
WHTX	Lake Whitney,	90.11 48	eP	P	23 12 58.2 +0.9
WHTX	Lake Whitney,	90.11 48	P	P	23 12 58.8 +0.4
OLIL	Olney	90.11 38	eP	P	23 12 58.7 +0.5
I55A	Frankford	90.15 28	P	P	23 12 58.1 -0.2
K52A	Tillemburg	90.17 31	P	P	23 12 59.0 +0.7
N49A	Columbus Grove	90.20 34	eP	P	23 12 58.5 -0.1
N49A	Columbus Grove	90.20 34	P	P	23 12 58.9 +0.3
Q46A	CEJHS Indians,	90.25 37	P	P	23 12 59.1 +0.3
T43A	Greenville	90.30 40	P	P	23 12 59.1 0.0
O48A	Farmland	90.30 35	P	P	23 12 59.1 0.0
V41A	Mountainview	90.30 42	P	P	23 12 58.8 -0.3
M50A	Fremont	90.32 33	P	P	23 12 59.1 0.0
S44A	Carbondale	90.35 39	P	P	23 12 59.6 +0.3
SIUC	Southern Ilin	90.35 39	eP	P	23 12 59.7 +0.3
H56A	Elgin	90.35 27	P	P	23 12 59.2 0.0
U42A	Reverend	90.36 41	P	P	23 12 59.1 -0.2
R45A	Skyilar, Fairri	90.37 38	P	P	23 12 59.7 +0.3
CEL	Celeste	90.39 322	eP	P	23 12 59.5 -0.1
CEL	comp-Z, 48nm, 0.9s		LR	LR	
P47A	Martinsville	90.40 36	P	P	23 12 59.6 +0.1
PBMO	Poplar Bluff	90.46 41	eP	P	23 13 00.2 +0.4
MIAR	Mount Ida	90.46 44	eP	P	23 13 00.3 +0.4
MIAR	Mount Ida	90.46 44	eP	P	23 13 00.3 +0.4
MIAR	comp-Z, 53nm, 0.8s		Pmax	Pmax	
MIAR	Mount Ida	90.46 44	P	P	23 13 00.3 +0.4
BLO	Bloomington	90.53 37	eP	P	23 13 00.3 +0.2
BLO	Bloomington	90.53 37	eP	Pmax	23 13 00.3 +0.2
WHAR	Woolly Hollow	90.61 43	eP	P	23 13 00.5 0.0
T44A	Benton	90.65 40	P	P	23 13 00.9 +0.2
V42A	Coty	90.69 42	P	P	23 13 00.7 -0.3
S45A	Carrier Mills	90.70 39	P	P	23 13 01.0 +0.1
CAF	Calviac	90.70 334	eP	P	23 13 01.4 +0.5
CAF	comp-Z, 28nm, 0.9s		Pmax	Pmax	
W41B	Gary Maity, V	90.71 43	eP	P	23 13 00.9 -0.1
W41B	Gary Maity, V	90.71 43	P	P	23 13 00.9 -0.1
O49A	Covington	90.73 35	eP	P	23 13 01.6 +0.6
O49A	Covington	90.73 35	P	P	23 13 01.1 0.0
M51A	Elyria	90.75 33	P	P	23 13 00.6 -0.5
Q47A	Bedord North L	90.76 37	P	P	23 13 01.5 +0.3
U43A	Rector	90.78 41	P	P	23 13 01.5 +0.1
N50A	Nevada	90.78 34	P	P	23 13 01.4 +0.1
R46A	Gibson Southern	90.81 38	P	P	23 13 01.6 +0.2
P48A	Milroy	90.81 36	P	P	23 13 01.5 0.0
X40A	Basin Creek Fa	90.91 44	eP	P	23 13 02.0 +0.9
X40A	Basin Creek Fa	90.91 44	P	P	23 13 02.0 +0.1
LONY	Lake Ozonia	90.93 26	eP	P	23 13 02.1 +0.1
LONY	comp-Z, 20nm, 0.9s		LR	LR	
LONY	comp-Z, 303nm, 21.0s		LR	LR	
LONY	Lake Ozonia	90.93 26	P	P	23 13 01.6 -0.3
UALR	University of	90.96 43	eP	P	23 13 02.8 +0.6
N51A	Ashland	91.00 33	P	P	23 13 02.3 -0.1
ERPA	Erie	91.01 31	eP	P	23 13 03.2 +0.9
ERPA	Erie	91.01 31	P	P	23 13 02.8 +0.5
W42A	Bald Knob	91.03 42	P	P	23 13 02.5 0.0
X41A	Kaden, Bauxite	91.08 43	P	P	23 13 02.7 0.0
P49A	Miami Univ. Ec	91.08 35	P	P	23 13 02.6 -0.1

O50A	Cable	91.08 34	P	P	23 13 03.0 +0.3
FRNY	Flat Rock	91.09 26	eP	P	23 13 02.6 0.0
Q48A	Northview Ran	91.09 36	P	P	23 13 02.8 +0.1
MOQ	Mont Orford	91.11 25	eP	P	23 13 03.7 +0.9
S46A	Don Dixon Farm	91.12 38	eP	P	23 13 02.9 0.0
V43A	Johndero	91.16 41	P	P	23 13 03.5 +0.4
BATG	Bathurst New B	91.19 20	eP	P	23 13 04.2 +1.1
PQI	Presque Isle C	91.20 21	eP	P	23 13 03.2 +0.1
R47A	Wooly Knot Far	91.22 37	eP	P	23 13 03.4 +0.1
ACSO	Alum Creek Sta	91.30 34	eP	P	23 13 04.0 +0.3
ACSO	Alum Creek Sta	91.30 34	P	P	23 13 03.7 0.0
MMNY	Mt. Morris Dam	91.33 29	eP	P	23 13 04.4 +0.6
U44B	Burton Farm, H	91.35 40	P	P	23 13 04.5 +0.5
WCI	Wyandotte Cave	91.38 37	eP	P	23 13 04.7 +0.6
WCI	Wyandotte Cave	91.38 37	eP	Pmax	23 13 04.7 +0.6
WCI	comp-Z, 30nm, 0.9s		Pmax	Pmax	
WCI	Wyandotte Cave	91.38 37	P	P	23 13 04.2 +0.1
Q49A	Aurora	91.42 36	P	P	23 13 04.3 0.0
P50A	Jamestown	91.44 35	P	P	23 13 04.4 0.0
R48A	Northview Ran	91.45 37	P	P	23 13 04.5 0.

MKAR	Makanchi Array	45.33 302	eP	P	00 16 35.0 -0.1
MKAR	Makanchi Array	45.33 302	eP	P	00 16 35.0 -0.1
MKAR	Makanchi Array	45.33 302	eP	P	00 16 37.1 +0.3
MAKZ	Makanchi	45.53 302	eP	P	00 16 37.1 +0.3
SKT	Skwentna	45.59 37	eP	P	00 16 38.1 +1.1
BPAW	Bear Paw Mtn.	45.90 34	eP	P	00 16 38.5 -0.8
BRLL	Bradley Lake	45.92 40	eP	P	00 16 40.8 +1.1
SUA	Susitna One	45.96 37	eP	P	00 16 40.9 +0.9
MLY	Manley	46.05 32	eP	P	00 16 42.3 +1.7
RC01	Rabbit Creek A	46.45 38	eP	P	00 16 44.9 +1.1
PMR	Palmer	46.73 37	eP	P	00 16 46.3 +0.4
PMR	Palmer	46.73 37	eP	P	00 16 46.3 +0.4
MCK	Mickin	46.80 34	eP	P	00 16 47.1 +0.6
GHO	Glory Hole Cre	46.83 37	eP	P	00 16 48.0 +1.3
RND	Reindeer	46.83 35	eP	P	00 16 46.9 +0.1
RND	Reindeer	46.83 35	eP	P	00 16 46.9 +0.1
KURK	Kurchatov	46.95 308	eP	P	00 16 47.8 0.0
KURK	Kurchatov	46.95 308	eP	P	00 16 47.9 +0.2
KURBB	Kurchatov Arra	47.02 308	eP	P	00 16 47.8 -0.5
SML	Sawmill	47.10 37	eP	P	00 16 49.9 +1.0
SML	Sawmill	47.10 37	eP	P	00 16 49.9 +1.0
MDM	Murphy Dome	47.11 33	eP	P	00 16 50.0 +1.1
WHY	Wood River Hill	47.17 33	eP	P	00 16 49.8 +0.5
DHR	Denali Highway	47.51 35	eP	P	00 16 52.8 +0.7
SCM	Sheep Creek Mo	47.58 37	eP	P	00 16 53.8 +1.2
IL1	Eielson Array	47.69 33	eP	P	00 16 53.3 -0.1
ILAR	Eielson Array	47.69 33	eP	P	00 16 53.6 +0.3
ILB	Eielson Array	47.69 33	eP	P	00 16 53.9 +0.5
PDGK	Podgornoye	48.10 298	eP	P	00 16 57.7 +0.6
KLU	Klutina	48.27 37	eP	P	00 16 58.8 +0.7
FYU	Fort Yukon	48.35 30	eP	P	00 16 59.9 +1.5
DIV	Divide	48.37 38	eP	P	00 17 00.6 +1.8
PAX	Paxson	48.38 35	eP	P	00 17 00.2 +1.4
PAX	Paxson	48.38 35	eP	P	00 17 00.3 +1.4
EYAK	Cordova Ski Ar	48.44 38	eP	P	00 17 00.1 +0.9
HARP	HAARP	48.56 36	eP	P	00 17 01.8 +1.7
BMRM	Bremner River	48.95 38	eP	P	00 17 03.4 +0.2
DOT	Dot Lake	48.97 34	eP	P	00 17 03.9 +0.6
MENT	Mentasta	49.18 35	eP	P	00 17 06.7 +1.8
BRVK	Borovoye	51.49 312	eP	P	00 17 22.9 +0.4
BRVK	Borovoye	51.49 312	eP	P	00 17 22.7 +0.2
COEN	Coen	51.61 181	eP	P	00 17 24.6 +1.0
AAK	Ala-Archa	51.80 298	eP	P	00 17 25.4 +0.2
AAK	Ala-Archa	51.80 298	eP	P	00 17 25.6 +0.3
AAK	Ala-Archa	51.80 298	eP	P	00 17 24.9 -0.3
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3
KSH	Kashi	51.84 294	eP	P	00 17 36.9 +1.0
KSH	Kashi	51.84 294	eP	P	00 24 50.5 +1.9
KSH	Kashi	51.84 294	eP	P	00 17 29.8 +4.3

8d9 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Covington, Pinedale Array, Minna Array, Santo Domingo, Yellowknife Arr, Inuvik.

NIED 08 00:31:00, 37.60N, 143.60E, h5km, Mw3.7 Best double couple: M2.640000, 1014 NP1.97, 0.00000, 8.27, 0.00000, 1.58, 0.00000, NP2.99, 178.00000, 367, 0.00000, 1.105, 0.00000

ISCJB 08 00:31:43.0-0.9, 37.59N, 0.05, 143.64E, h5km, mb3.8/6, Error ellipse: s-maj=9.1km s-min=6.1km az=159.8

JMA 08 00:31:43.7-0.2, 37.59N, 143.57E, h5km, M3.7, IDC 08 00:31:55.9-4.7, 36.81N, 142.89E, h76km, 42km, mb3.4/6, mb1 3.7/7, mb1mx3.4/34, mbtmp3.7/7, ML3.6/1, MS2.6/1, Ms1 2.6/2, ms1mx2.2/40, Error ellipse: s-maj=33.7km s-min=19.9km az=82.0

ISC 08 00:31:44.21.1, 37.59N, 0.05, 143.66E, h0.85km, n28, r15120, mb3.8/6, Off east coast of Honshu

Main table for 8d9 1h section, listing station names, coordinates, and seismic data for various stations like IJHK, IJHO, IJJI, etc.

ISCJB 08 00:48:30.9-0.5, 3.77S, 0.06, 101.49E, h5km, mb3.8/7, Error ellipse: s-maj=10.0km s-min=4.9km az=41.3

DJA 08 00:48:31.5, 1.2, 4, S, 4, 10, 2E, h18km, 11km, M4.2/13, mb4.3/5, mB5.02, MLV4.1/13, Mw(B)4.3/2

IDC 08 00:48:33.4-10.0, 3.60S, 101.62E, h58km, 96km, mb3.5/7, mb1 3.6/7, mb1mx3.4/44, mbtmp3.8/7, Error ellipse: s-maj=40.1km s-min=18.0km az=67.0

ISC 08 00:48:32.4-0.9, 3.71S, 0.09, 101.55E, h5km, n27, r084/27, mb3.7/8, Southern Sumatra

Main table for 8d9 1h section, listing station names, coordinates, and seismic data for various stations like MASI, MNAI, KRJI, etc.

NIED 08 00:48:00, 37.50N, 143.50E, h8km, Mw3.7 Best double couple: M2.640000, 1014 NP1.97, 0.00000, 8.25, 0.00000, 1.58, 0.00000, NP2.99, 193.00000, 365, 0.00000, 1.105, 0.00000

IDC 08 00:48:40.5-0.8, 37.33N, 143.78E, h0km, mb3.7/8, mb1 3.9/11, mb1mx3.3/8, mbtmp3.7/11, ML3.4/3, MS2.6/1, Ms1 2.6/1, ms1mx2.1/45, Error ellipse: s-maj=20.4km s-min=19.2km az=150.0

ISCJB 08 00:48:43.4-0.6, 37.51N, 0.04, 143.50E, h5km, mb3.8/8, Error ellipse: s-maj=5.6km s-min=5.3km az=175.3

JMA 08 00:48:43.3-0.2, 37.52N, 143.51E, h5km, M3.8, IDC 08 00:48:45.6-0.8, 37.55N, 0.05, 143.57E, h0.85km, n29, r208/43, mb3.7/8, Off east coast of Honshu

Main table for 8d9 1h section, listing station names, coordinates, and seismic data for various stations like IJHK, IJHO, IJJI, etc.

2012 DEC

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like IJKT, OFUJ, OFUJ, etc.

IDC 08 00:53:41.9-6.1, 24.48S, 178.68E, h540km, 41km, mb3.4/5, mb1 3.5/5, mb1mx3.1/43, mbtmp4.4/5, Error ellipse: s-maj=92.7km s-min=53.1km az=143.0, South of Fiji

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like IJKT, OFUJ, OFUJ, etc.

ISCJB 08 00:57:37.1-0.9, 37.78N, 0.04, 143.49E, h19km, mb3.5/3, Error ellipse: s-maj=8.0km s-min=6.3km az=172.9

JMA 08 00:57:38.9-0.2, 37.85N, 143.50E, h45km, M3.5, IDC 08 00:57:41.2-5.5, 37.66N, 143.80E, h45km, 53km, mb3.1/3, mb1 3.4/4, mb1mx3.0/55, mbtmp3.3/4, ML3.2/1, Error ellipse: s-maj=40.8km s-min=29.8km az=108.0

ISC 08 00:57:38.6-1.2, 37.82N, 0.05, 143.41E, h19km, n15, r184/25, mb3.6/3, Off east coast of Honshu

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like IJHK, IJHO, IJJI, etc.

ATH 08 01:05:14.1, 33.95N, 25.84E, h17km, 4km, ML2.6/1, Error ellipse: s-maj=10.7km s-min=2.9km az=332.0

ISCJB 08 01:05:15.0-0.8, 33.89N, 0.07, 26.10E, h26km, mb3.5/4, Error ellipse: s-maj=11.4km s-min=3.5km az=33.4

IDC 08 01:05:22.2-2.5, 35.41N, 26.17E, h0km, mb3.6/4, mb1 3.7/5, mb1mx3.3/40, mbtmp3.7/5, ML2.8/1, Error ellipse: s-maj=61.5km s-min=15.9km az=164.0

GII 08 01:05:23.0-0.0, 34.02N, 26.41E, h30km, ISC 08 01:05:17.7-1.1, 34.07N, 0.08, 26.04E, h08, h26km, n24, r190/31, mb3.5/4, Crete

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like ZKR, ZKR, ZKR, etc.

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

MEX 08 01:12:37.0-0.7, 15.62N, 93.72W, h85km, 10km, MD3.8, Near coast of Chiapas

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like PCIG, PCIG, TGIG, etc.

ISCJB 08 01:21:22.7-0.5, 56.70S, 0.08, 27.0W, h100km, mb4.3/12, Error ellipse: s-maj=13.1km s-min=9.3km az=144.5

IDC 08 01:21:24.5-5.9, 56.80S, 27.09W, h103km, 54km, mb3.8/8, mb1 3.9/9, mb1mx3.7/21, mbtmp4.1/9, MS3.1/1, ms1mx2.5/19, Error ellipse: s-maj=20.2km s-min=17.4km az=102.0

NEIC 08 01:21:27.5-1.3, 56.86S, 27.05W, h133km, 12km, mb4.5/7, Error ellipse: s-maj=13.1km s-min=8.8km az=207.0

ISC 08 01:21:24.6-0.5, 56.75S, 0.09, 26.82W, h100km, n38, r1543/37, mb4.5/12, South Sandwich Islands region

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like HOPE, HOPE, VNA1, etc.

MOS 08 01:22:05.0-0.4, 42.88N, 46.09E, h10km, MPVA3.2, NORS 08 01:22:06.0-0.4, 42.82N, 46.08E, h10km, MPVA3.3

DRS 08 01:22:07.2-0.0, 42.83N, 45.91E, h14km, ISC 08 01:22:06.8-0.9, 42.90N, 0.04, 46.09E, h15km, 6km, n10, r085/21, Eastern Caucasus

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like DVE, DVE, BTLR, etc.

JMA 08 01:33:12.9-0.3, 37.90N, 143.76E, h42km, M3.6, Off east coast of Honshu

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like IJHK, IJHO, IJJI, etc.

8d 3h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JIKH, JIO, JKM, etc.

2012 DEC

Table with columns: SHLS, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Shalkode, Matanchi Array, etc.

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Table with columns: MJB9, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Matsu-Tunnel, Churui, etc.

SOME 08:02:54:29.7, 44.97N, 80.85E, h5km
N1C 08:02:54:30.4, 0.6, 45.09N, 80.65E, h0km, mb3.8, mpv3.4,
Error ellipse: s-maj=9.2km s-min=0.0km az=123.0

IDC 08:02:55:52.8, 4.7, 2.01S, 129.67E, h76km, 58km, mb3.2/2,
mb1 3.5/5, mb1mx3.7/4.17, mbtmp3.6/5, ML3.4/3, Error
ellipse: s-maj=66.6km s-min=17.1km az=94.0, Seram

ISCJB 08:03:18:07:40.0, 64.83N, 0.03, 133.66W, 0.08, h11km,
mb4.1/7, MS3.0/2, Error ellipse: s-maj=5.1km s-min=3.4km
az=28.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FCH Farellones, AGUA GUANDACOL, CMCH Combarbala, etc.

ISC 08 05:43:06.4.1.2, 36.74N; 130.13E, h0km, mb3.5/5, mb1 3.4/9, mb1mx3.4/52, mbtmp3.4/9, ML3.1/4, MS2.5/1, Ms1 2.5/1, ms1mx2.0/37, Error ellipse: s-maj=27.6km s-min=18.5km az=135.0.

ISCJB 08 05:43:07.0.3.0.6, 36.60N; 130.03E, h2km, 4km, mb3.4/5, Error ellipse: s-maj=4.5km s-min=3.2km az=176.7.

DDA 08 05:43:07.5, 36.63N; 130.06E, h21km, M13.2, ISC 08 05:43:07.6, 36.69N; 130.02E, h3km, ML3.5/24, ISC 08 05:43:08.0, 1.1, 36.87N; 130.03E, h10km, 8km, n57, r=131170, mb3.5/5, Turke

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ELL Elmalí, KORT Korkueli, KEMT Korkueli, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EIL Elat, VRAC Vranov, AKTO Aktyubinsk, etc.

NEIC 08 05:46:14.8.0.0, 19.44N; 63.89W, h25km, MD3.4(RSPR), After RSPR, RSPR 08 05:46:14.8, 19.44N; 63.89W, h25km, 17km, MD3.4/10, ISC 08 05:46:11.5.2.5, 19.44N; 63.01W, 0.05, h35km, n44, r=1505, 43, 12C-BD, Leeward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ABV Anegada, ANWB Willy Bob, BBL Barber's Block, etc.

MEX 08 05:46:56.1.0.5, 15.09N; 93.78W, h34km, 84km, MD3.6, Near coast of Chiapas

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

ISC 08 05:50:01.7.2.4, 6.70S; 131.88E, h0km, mb3.5/1, mb1 3.4/4, mb1mx3.3/30, mbtmp3.3/4, ML3.1/3, Error ellipse: s-maj=157.5km s-min=28.2km az=79.0, Tanimbar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIJI Sorong, WRA Warramunga Ar, etc.

MEX 08 05:52:19.1.0.3, 14.17N; 92.58W, h29km, 29km, MD3.8, Near coast of Chiapas

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

ISC 08 05:56:10.2.4.6, 12.97N; 143.62E, h141km, 80km, mb3.2/4, mb1 3.4/4, mb1mx3.1/36, mbtmp3.6/4, Error ellipse: s-maj=135.1km s-min=20.6km az=83.0, South of Mariana Islands

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

ISC 08 06:11:22.7.17.0, 37.24N; 143.74E, h0km, mb3.4/2, mb1 3.4/3, mb1mx3.2/50, mbtmp3.3/3, ML3.4/1, Error ellipse: s-maj=302.5km s-min=72.5km az=135.0, JMA 08 06:11:22.5.0.3, 37.71N; 143.67E, h41km, M3.2, ISC 08 06:11:22.5.3, 37.71N; 143.67E, h41km, M3.2, r=1918, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIKH Ishinomakikobu, JIO Ouri, etc.

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

ISC 08 06:12:08.9.5.8, 37.07N; 144.28E, h0km, mb3.4/3, mb1 3.7/4, mb1mx3.4/51, mbtmp3.5/4, ML3.6/1, Error ellipse: s-maj=144.2km s-min=32.1km az=163.0, ISCJB 08 06:12:12.7.1.1, 37.76N; 143.76E, h0km, h33km, r=2000, Error ellipse: s-maj=3.8km s-min=7.0km az=34.1, JMA 08 06:12:13.0.1, 37.71N; 143.68E, h57km, M3.3, ISC 08 06:12:14.6.1.5, 37.81N; 143.78E, h08, h35km, n17, r=1599/24, mb3.5/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIKH Ishinomakikobu, JIO Ouri, etc.

ISC 08 06:16:51.7.0.5, 7.20S; 144.01E, h0km, mb4.8/20, mb1 4.9/25, mb1mx4.8/40, mbtmp4.8/25, ML4.1/4, MS4.1/25, Ms1 4.1/25, ms1mx4.0/33, Error ellipse: s-maj=18.8km s-min=11.5km az=81.0, BJU 08 06:16:51.9, 7.25S; 144.59E, h27km, mb5.1/50, mb5.4/29, Ms5.0/16, Ms7.4/711, ISCJB 08 06:16:55.4.0.2, 7.28S; 144.03E, h35km, mb5.0/101, MS4.1/25, Error ellipse: s-maj=4.7km s-min=3.7km az=178.4, MOS 08 06:16:55.5.1.1, 7.25S; 144.01E, h37km, mb5.3/23, Error ellipse: s-maj=11.3km s-min=6.8km az=107.0, DJA 08 06:16:56.3.2.3, 7.56S; 144.05E, h25km, 15km, M5.2/25, mb5.3/11, mb5.0/25, MLV6.0/1, MW(14.7/11), GCMT 08 06:16:56.0.2, 7.28S; 144.02E, 143.91E, 0.02, h12km, MW(0.09, Moment Tensor Solution, s33, c43, s99, c147, Duration: 0. Moment tensor: Scale 10^16Nm; M3.21±0.8; Mw=1.96±0.07; Ms=1.26±0.08; Ms1=2.22±0.26; Ms1.69±0.07; Mw=1.88±0.33; Best double couple: M3.968000±1016 NP1.0±139.00000°, 862.00000°, 100.00000°. NP2: c=299.00000°, 829.00000°, 72.00000°. Principal axes: T 3.9570, P1g71.0000°, Azm71.0000°, N 0.0120, P1g9.0000°, Azm71.0000°, P -3.9790, P1g71.0000°, Azm72.0000°, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 08 06:16:57.0.0.2, 7.24S; 144.01E, h35km, mb5.1/61 Error ellipse: s-maj=5.3km s-min=3.8km az=100.0, ISC 08 06:16:57.2.0.3, 7.36S; 144.94E, 0.05, h35km, n244, r=1548/234, mb5.0/101, MS4.2/26, 7C-12D, Near south coast of New Guinea

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

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

MEX 08 06:46:05.7±0.4, 15.368N, 93.833W, h90km, 6km, MD3.5, Near coast of Chiapas

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

NIED 08 06:55:00.37, 60N, 143.60E, h5km, Mw3.6 Best double couple: M3.340000, 1014, NP1.9, 0.0000, 846.00000, 1-130.00000, NP2.3, NP3.200000, 857.00000, 1-56.00000

ICC 08 06:55:10.1±1.1, 37.49N, 143.79E, h0km, mb3.6/6, m1 3.9/8, mb1mx3.7/47, mbtmp3.8/6, ML3.9/2, MS2.8/2, Ms1 2.8/2, ms1mx2.3/45, Error ellipse: s-maj=3.2, 1.1km s-min=20.5km az=86.0

NEIC 08 06:55:12.0±1.1, 37.55N, 143.75E, h12km, 19km, mb4.6/4, Error ellipse: s-maj=9.6km s-min=6.2km az=106.0

ISCJB 08 06:55:13.0±0.5, 37.59N, 103.143, 63E, 0.04, h33km, mb4.0/8, Error ellipse: s-maj=4.9km s-min=4.4km az=19.6

JMA 08 06:55:13.2±0.2, 37.58N, 143.61E, h5km, M3.6

ISC 08 06:55:15.2±0.8, 37.82N, 0.05, 143.66E, 0.17, h35km, n45, s161/55, mb4.1/8, 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 JIKH, JIKJ, JIO, etc.

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

NIED 08 07:04:00.38, 00N, 143.80E, h5km, Mw3.6 Best double couple: M2.850000, 1014, NP1.9, 0.0000, 854.00000, 1-20.00000, NP2.3, NP3.172.00000, 874.00000, 1-142.00000

ICC 08 07:04:16.3±2.3, 37.86N, 144.21E, h0km, mb3.6/2, m1 3.8/4, mb1mx3.4/48, mbtmp3.6/4, ML3.8/2, Error ellipse: s-maj=54.8km s-min=29.6km az=77.0

ISCJB 08 07:04:19.3±1.0, 38.01N, 0.04, 143.84E, 0.07, h33km, mb3.5/2, Error ellipse: s-maj=8.7km s-min=5.8km az=19.9

JMA 08 07:04:19.9±0.2, 38.02N, 143.79E, h44km, M3.7

ISC 08 07:04:21.5±1.4, 38.00N, 0.06, 143.83E, 0.09, h35km, n21, s163/30, 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 JIKH, JIKJ, JIO, etc.

MEX 08 07:06:07.7±0.3, 23.03N, 0.05, 70.53E, 0.03, h10km, mb4.0/22, MS3.1/4, Error ellipse: s-maj=6.8km s-min=4.0km az=15.9

NDI 08 07:06:08.9±2.2, 99N, 70.37E, h10km, ML4.3

ICC 08 07:06:08.4±0.8, 22.91N, 70.22E, h0km, mb3.9/12, m1 4.1/13, mb1mx3.8/56, mbtmp3.9/13, ML4.1/1, MS3.3/5, Ms1 3.4/5, ms1mx2.9/48, Error ellipse: s-maj=23.0km s-min=16.1km az=34.0

NEIC 08 07:06:10.1±0.3, 22.96N, 70.30E, h10km, mb4.1/16, Error ellipse: s-maj=6.9km s-min=5.4km az=25.0

NEIC Felt strongly at Gandhidham. Also felt at Anjar, Rajkot, Rapar and Samakhiali.

ISC 08 07:06:09.0±0.5, 22.30N, 0.06, 70.37E, 0.04, h10km, n74, s266/79, mb4.0/22, MS3.1/4, Southern India

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

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

ICC 08 07:09:06.7±2.4, 37.68N, 144.116E, h0km, mb3.7/2, m1 3.8/4, mb1mx3.4/46, mbtmp3.6/4, ML3.6/2, Error ellipse: s-maj=55.7km s-min=30.3km az=76.0

ISCJB 08 07:09:10.0±1.1, 37.82N, 0.05, 143.83E, 0.08, h33km, mb3.5/2, Error ellipse: s-maj=9.4km s-min=7.3km az=166.0

JMA 08 07:09:11.1±0.2, 37.81N, 143.73E, h45km, M3.4

ISC 08 07:09:11.8±1.4, 37.80N, 0.06, 143.83E, 0.09, h35km, n15, s194/21, 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 JIO, JIKJ, JIKM, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Resolute Bay, Alice Springs, Yellowknife Ar, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Maple Canyon, Cedar City, MSU Marysvalle, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IPOC Station P, Chusumiza, Pisagua, etc.

8d 8h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like WARRAMUNGA ARR, ALICE SPRINGS, CHIANG MAI ARR, etc.

MOS 08 08:11:54.8,0.9,2.63N,128.32E,h152km,mb4.7/35, Error ellipse: s-maj=12.2km s-min=6.1km az=111.8

KLM 08 08:11:55.0,2.64N,128.35E,h130km,mb5.0 Error ellipse: s-maj=4.5km s-min=2.6km az=76.0

ISCJB 08 08:11:55.0,0.4,2.57N,102.35E,h154km,mb4.7/100, Error ellipse: s-maj=5.7km s-min=3.2km az=159.9

GCMT 08 08:11:57.8,0.4,2.65N,103.128,34E,0.03,h154km,4km, MW4.9/70, Moment Tensor: s17,c21, s70,c93; Duration: 0 Moment tensor: Scale 10^19Nm; Mr2,29t,12; Mw0.55t,15; Mw0.28t,17; Mw0.102t,10; Mw0.87t,13; Mw0.95t,13; Best double couple: M3.05300,10^16

DJA 08 08:11:58.7,0.4,2.7N,5.12E,h126km,5km,M5.0/21, mb5.4/13,mb5.2/21,MLV5.3/13,Mw(mb)4.8/13

ISC 08 08:11:55.8,0.4,2.60N,053.128,33E,0.05,h146km,4km, h146km:pP-P,n275,t145/299,mb4.7/101,13C-4D,

Main station list table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists numerous stations across various regions.

2012 DEC

Main station list table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists numerous stations across various regions.

404

Main station list table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists numerous stations across various regions.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations 405-975.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations 975-1475.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations 1475-2025.

8d 10h

Table with columns: FCC, Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Fort Churchill, Alice Springs, Flin Flon, etc.

IDC 08 10:27:25.6,0.5,7.21S:144.15E,h0km,mb4.7/17, mb1 3.6/5,mb1mx3.4/37,mbtmp3.4/5,ML3.0/2,Error ellipse: s-maj=44.6km s-min=29.3km az=129.0,New Guinea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Port Moresby, Warramunga Arr, etc.

ICD 08 10:27:25.6,0.5,7.21S:144.15E,h0km,mb4.7/17, mb1 3.6/5,mb1mx3.4/37,mbtmp3.4/5,ML3.0/2,Error ellipse: s-maj=44.6km s-min=29.3km az=129.0,New Guinea

NEIC 08 10:27:30.4,1.2,7.17S:144.04E,h27km,9km,mb5.0/37 Error ellipse: s-maj=4.1km s-min=3.7km az=48.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Port Moresby, Merakue, Jayapura, etc.

2012 DEC

Main table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Honiara, Kununurra, Ternate, etc.

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Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Chiang Mai, Chiang Mai, Chiang Mai, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KSH, NIL, ZAAO, ZALV, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SMCC, VCNR, HAWA, G08A, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like JCH, JOD2, MJAR, etc.

NIED 10:33:00, 37.90N, 143.80E, h5km, Mw3.7 Best double couple: M4.37000+1014 NP1.9, 19.00000°, 821.00000°, λ-96.00000°

ICD 10:33:05.0, 1.6, 37.81N, 144.02E, h0km, mb3.8/4, mb1 3.9/9, mb1mx3.7/42, mbtmpp3.9/9, ML3.7/4, MS3.2/1, Ms1 3.2/1, ms1mx2.3/45, Error ellipse: s-maj=36.8km s-min=19.2km az=74.0

ISC/JB 10:33:07.0, 0.8, 37.88N, 143.85E, 0.06, h33km, mb3.8/4, MS3.1/1, Error ellipse: s-maj=7.3km s-min=6.3km az=161.3

JMA 10:33:08.4, 0.2, 37.93N, 143.81E, h7km, M3.7 ISC 10:33:10.0, 1.4, 37.94N, 143.80E, 0.14, h35km, n22, 1125/31, mb3.8/4, Off east coast of Honshu

NIED 08:10:38:00, 38.00N, 143.90E, h5km, Mw3.8 Best double couple: M4.98000+1014 NP1.9, 28.00000°, 826.00000°, λ-62.00000°

ICD 08:10:38:10.7, 0.8, 37.93N, 144.13E, h0km, mb3.7/11, mb1 3.9/13, mb1mx3.8/45, mbtmpp3.7/13, ML3.5/2, MS3.2/4, Ms1 3.2/4, ms1mx2.6/43, Error ellipse: s-maj=22.0km s-min=16.7km az=116.0

ISC/JB 08:10:38:13.0, 0.6, 38.08N, 143.91E, 0.04, h33km, mb3.7/11, MS3.4/3, Error ellipse: s-maj=7.0km s-min=4.9km az=179.2

JMA 08:10:38:14.3, 0.1, 38.04N, 143.87E, h42km, M3.7 ISC 08:10:38:15.9, 0.8, 38.04N, 143.93E, 0.07, h35km, n28, 1167/31, mb3.6/11, MS3.1/3, Off east coast of Honshu

Duration: 0 Moment tensor: Scale 10¹⁶Nm; M₃.29±.18; M₂-1.0±.13; M₁-2.2±.11; M₀0.05±.35; M₁-1.3±.07; M₂0.00±.27; Best double couple: M₃ 68200.1016; NP1±6.100000; δ61.000000; λ78.000000; NP2: 0±21.000000; δ31.000000; λ11.000000; Principal axes: T 3.9440, Plg17.00000, Azm259.00000; N -0.5330, Plg11.00000, Azm22.00000; P -3.4200, Plg15.00000, Azm115.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 08 12:26:31.5±0.4, 31.03S±0.04E, 177°27'W, 0.07, h27km, m103, ±26°17'18.2, m4.9±32, MS4.6/21, 1C-1D, Kermadec Islands region

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
GLKZ	Green Lake	1.85	342	Op	12:26:59	-1.9
RUCZ				Pn	12:27:22	-1.8
GLKZ				Sn	12:26:58	-2.8
RAO	275nm, 0.3s, baz=157, slow=12, SNR=11			Pn	12:27:21.6	-2.6
RAO	669nm, 0.3s, baz=150, slow=23, SNR=15			LR	12:27:34.1	
RAO	comp=Z, 3um, 18.2s, baz=134, slow=38			LR	12:26:59	-1.8
RAO	comp=Z, 1um, 18.2s, baz=134, slow=38			LR	12:27:22.5	-5.9
RAO				eSn	12:27:22.5	-5.9
RAO				Sb	12:27:22.5	-5.9
RAO				Pn	12:27:34.1	
RIZ	Raoul Island	1.87	342	P	12:26:59	-1.9
MXZ	Matakaoa Point	4.77	208	P	12:28:15	-3.1
MXZ	Matakaoa Point	4.77	208	P	12:28:15	-3.1
WMZ	Waiomatatini S	7.65	207	P	12:28:18.6	-2.5
PKGZ	Pakihiroa	7.84	208	P	12:28:20	-3.8
PKGZ				Sn	12:29:49.3	-2.3
HAZ	Te Kaiti	7.85	210	P	12:28:21.0	-2.8
HAZ				S	12:29:53.6	+1.8
PYZ	Puketitahi	7.93	206	P	12:28:20.6	-4.4
PUZ				S	12:29:52.3	-1.5
GRZ	Great Barrier	7.98	227	P	12:28:30.5	+4.8
RAGZ	Raukumara Rang	8.07	210	P	12:28:24.2	-2.5
RAGZ				S	12:28:37.5	+0.1
TWZ	Tauwhareparea	8.13	207	P	12:28:24.0	-3.7
TWZ				S	12:29:58.3	-0.4
KUZ	Kuaotunu	8.14	224	P	12:28:30.2	+2.3
CNGZ	Carnagh Station	8.31	205	P	12:28:25.5	-4.6
MTWZ	Matawai	8.72	209	P	12:28:35.3	-2.7
OPRZ	Ohinepanea	8.49	215	P	12:28:28.4	-4.2
WIAZ	Waiheke Island	8.53	226	P	12:28:37.2	+4.0
WCZ	Waipu Caves	8.54	233	P	12:28:37.3	+4.0
URZ	Urewera	8.56	211	Pn	12:28:29.8	-3.8
URZ	1.7nm, 0.3s, baz=49, slow=9, SNR=12			Sn	12:29:05.8	-3.5
URZ	4.6nm, 0.3s, baz=30, slow=22, SNR=9.1			Pn	12:28:31.5	-2.2
URZ	Urewera	8.56	211	ePn	12:30:04.5	-4.8
URZ				eSn	12:30:04.5	-4.8
URZ				Sb	12:30:04.5	-4.8
URZ	Urewera	8.56	211	P	12:28:30.2	-3.4
RAGZ	Rawiri	8.63	209	P	12:28:32.9	-1.7
MBAZ	Motutapu North	8.66	227	P	12:28:37	+2.7
RIGZ	Rimuhau	8.67	207	P	12:28:31.2	-3.9
MKAZ	Momoukai	8.72	224	P	12:28:38.5	+2.8
OUZ	Omahuta	8.72	239	ePn	12:28:35.3	-2.7
OUZ	Omahuta	8.72	239	P	12:28:41.3	+5.5
PRGZ	Paritua Road	8.81	205	P	12:28:30.8	-6.3
MUGZ	Murupara	8.89	212	P	12:28:36.5	-1.7
SNZ	Shannon Station	8.90	208	P	12:28:36.3	-2.0
MHGZ	Marlia Peninsula	9.01	205	P	12:28:35.2	-4.5
RAHZ	Arahi	9.27	210	P	12:28:35.3	-2.7
MTHZ	Maungataniwha	9.17	210	P	12:28:40.9	-1.1
NMHZ	Naumai	9.39	209	P	12:28:43.7	-1.4
BKZ	Black Stump Fm	9.58	210	ePn	12:28:43.8	-3.9
BKZ				eSn	12:30:31.7	-2.8
HIZ	Haititi	9.87	219	ePn	12:28:49.2	-2.4
HIZ				P	12:28:54.1	+2.5
KAHZ	Kahuranaki	9.96	207	P	12:28:46.5	-6.2
PXZ	Pawanui	10.16	206	P	12:28:53.4	-2.2
BFZ	Birch Farm	10.96	207	ePn	12:29:04.5	-2.1
BFZ	Birch Farm	10.96	207	ePn	12:29:04.5	-2.1
THZ	Topohouse	13.30	214	ePn	12:29:36.2	-2.2
THZ				eSn	12:31:56.2	-9.3
THZ	Topohouse	13.30	214	P	12:29:35.9	-2.6
KHZ	Kahutara	13.53	210	ePn	12:29:39.1	-2.4
KHZ				eSn	12:32:04.3	-6.5
ILZ	Lake Taylor	14.39	213	ePn	12:29:50.0	-2.8
CR LZ	Canterbury Las	18.29	210	ePn	12:29:58.0	-1.7
OXZ	Oxford	14.92	212	ePn	12:29:57.6	-2.6
OXZ				Sn	12:32:32.5	-1.2
MGZ	McQueen's Vall	14.95	209	ePn	12:29:57.3	-3.6
RPZ	Rata Peaks	15.67	213	ePn	12:30:05.1	-5.3
RPZ	1.1nm, 0.3s, baz=25, slow=4.2, SNR=9.2			Sn	12:32:49.7	-1.3
RPZ	1.1nm, 0.3s, baz=135, slow=23, SNR=4.0			Pn	12:30:05.8	-4.5
RPZ				Sb	12:30:05.8	-4.5
ODZ	Otahua Downs	16.89	211	ePn	12:30:23.1	-2.8
DZM	Mont Dzumac	17.07	298	eP	12:30:32.3	+2.4
DZM	303nm, 1.6s			eLR	12:34:25.6	
DZM	3um, 25.4s			LR	12:34:25.6	
DZM	Mont Dzumac	17.07	298	ePn	12:30:31.1	+1.1
WKZ	Wanaka	17.47	214	ePn	12:30:31.0	-2.2
AFI	Afiatapu	17.78	18	P	12:30:35.6	-1.5
AFI	1.0nm, 0.3s, baz=232, slow=1.9, SNR=2.4			Pn	12:30:36.3	-0.8
MLZ	Mavorai Lakes	18.10	214	ePn	12:30:41.2	-2.1
RARZ	Rarotonga	18.49	62	LR	12:37:25.8	
WHZ	Wether Hill Rd	18.77	214	eP	12:30:46.5	-1.9
TBI	Tubuai	25.85	80	eS	12:36:29.7	+0.2
TBI	486nm, 23.8s			eLR	12:38:20.6	
ARMA	Armidade	26.70	263	P	12:32:12.2	+3.6
ARMA	58nm, 1.5s, baz=26, SNR=7.7			P	12:32:07.5	-1.2
EIDS	Eidsvoild	28.39	274	P	12:32:25.3	+1.6
EIDS	61nm, 1.7s, baz=27, SNR=3.8			P	12:32:22.6	-1.1
PPT2	Papeete2	28.39	274	eS	12:37:09.0	-1.7
PPT2	872nm, 24.5s			eLR	12:39:39.6	
PPT	Papeete	28.49	68	LR	12:41:54.4	
RMQ	Roma	30.05	270	P	12:32:41.7	+3.2
HNR	Honiara	30.19	311	LR	12:42:40.2	
CMSR	Cobar Meteorol	31.56	259	P	12:32:53.8	+2.2
QLP	Quilpie	33.90	268	P	12:32:33.8	+1.5
CTA	Charters Tower	34.52	280	P	12:33:18.5	+0.8
CTA	14nm, 0.7s, baz=105, slow=11, SNR=20			P	12:33:19.3	+1.6
STKA	Charters Tower	34.52	280	eP	12:33:22.2	+1.0
STKA	167nm, 1.3s, baz=36, SNR=19			LR	12:47:31.2	
STKA	comp=Z, 924nm, 18.1s, baz=25, slow=36			LR	12:33:23.0	+1.8
STKA	Stephens Creek	34.95	258	P	12:33:22.7	+1.4
STKA	10nm, 1.4s, baz=34, SNR=3.9			P	12:33:22.7	+1.4
HTT	Hallett	36.93	254	P	12:33:39.0	+0.7
MSTU	Mount Surprise	37.03	281	P	12:33:41.2	+2.0
RKT	Rikitea	38.30	89	eLR	12:44:14.0	
BBOO	Buckleboe	39.40	255	P	12:33:59.1	+0.1
TAOE	Nuku Hiva Isla	40.99	65	eLR	12:45:25.6	
AS01	Alice Springs	43.66	267	P	12:34:32.8	-1.3

AS31	Alice Springs	43.70	267	eP	12:34:35.0	+0.6
ASAR	Alice Springs	43.70	267	P	12:34:33.9	-0.6
ASAR	5.2nm, 0.6s, baz=104, slow=7.3, SNR=36			LR	12:53:00.5	
WB2	Warramunga Arr	44.74	272	eP	12:34:42.2	-0.5
WRAB	Tennant Creek	44.74	272	eP	12:34:43.3	+0.5
WR1	Warramunga Arr	44.75	272	eP	12:34:41.5	-1.3
WRA	Warramunga Arr	44.75	272	eP	12:34:41.5	-1.3
WRA	10nm, 0.8s, baz=112, slow=7.8, SNR=75			LR	12:53:21.7	
VNDA	comp=Z, 1um, 18.2s, baz=100, slow=36			P	12:35:05.3	+1.4
VNDA	47.53	186	P			
VNDA	1.7nm, 0.8s, baz=16, slow=7.1, SNR=7.4			LR	12:53:16.5	
VNDA	comp=Z, 309nm, 19.1s, baz=23, slow=44			P	12:35:06.2	+2.3
WRKA	Warakura	48.52	163	P	12:35:08.0	-0.6
FITZ	Bitzoff Cross	52.98	270	P	12:35:45.4	-0.6
FITZ	7.8nm, 1.1s, baz=165, slow=5.6, SNR=14			LR	12:58:49.2	
FITZ	comp=Z, 839nm, 18.1s, baz=110, slow=37			LR	12:36:05.0	-0.4
MEEK	Meekatharra	55.65	257	P	12:36:05.0	-0.4
GUM	Guam	57.37	315	LR	12:58:26.7	
BATI	Baumata	58.35	174	LR	13:02:20.5	
QSPA	South Pole Qui	59.08	180	P	12:36:30.6	+1.4
MAW	Mawson	71.93	200	LR	13:09:57.3	
SGY	Syowa Base	76.64	193f	P	12:37:08.0	
SYO	Syowa Base	76.64	193f	eP	12:38:20.3	+1.0
SNA	Sanae	77.50	178	P	12:38:27.4	+3.1
SNA	Sanae	77.50	178	eP	12:38:25.3	+1.1
JOW	Kunigami	77.55	312	LR	13:08:09.2	
VNA3	Neumayer Oymp	77.63	176	P	12:38:26.0	+1.1
VNA2	Neumayer-Stat	78.07	176	P	12:38:29.4	+2.1
MJAR	Matsushiro Arr	79.12	325	P	12:38:32.7	-1.3
MJAR	4.8nm, 1.1s, baz=142, slow=7.5, SNR=3.4			LR	13:09:25.1	
MAJO	Matsushiro	79.12	325	eP	12:38:32.2	-1.3
PLCA	Paso Flores	81.62	133	P	12:38:47.7	+0.5
PLCA	4.6nm, 1.1s, baz=239, slow=6.3, SNR=7			LR	13:07:48.3	
PLCA	comp=Z, 265nm, 19.0s, baz=271, slow=30			P	12:38:48.0	+0.8
ISA	Island Lake	86.31	44	eP	12:39:13.5	+2.5
PEK1	Petrovlovsk	86.58	345	P	12:39:11.8	0.0
PEA1	Petrovlovsk	86.58	345	eP	12:39:11.8	0.0
CMB	Columbia Cole	86.82	41	eP	12:39:15.3	+1.9
GSC	Goldstone, Bar	87.08	45	eP	12:39:16.3	+1.5
AFDM	Forest Hills D	87.12	41	eP	12:39:15.9	+1.1
WAKR	Walker	87.68	42	eP	12:39:19.3	+1.5
LDFC	Landair	87.98	47	eP	12:39:21.1	+2.0
PNTR	Pine Nut	87.99	41	eP	12:39:20.8	+1.5
USRK	Ussuriysk Arr.	88.03	326	P	12:39:19.0	0.0
USRK	2.9nm, 0.9s, baz=45, slow=3.0, SNR=5.5			LR	13:14:33.6	
BEKR	Beckworth	88.10	40	P	12:39:21.0	+1.3
VNCR	Virginia City	88.11	41	P	12:39:21.0	+1.2
YERR	Yerington	88.12	41	eP	12:39:21.2	+1.4
YBH	Yreka Blue Hor	88.15	38	P	12:39:21.3	+1.5
VN01	Mina Array Sit	88.28	42	eP	12:39:21.4	+0.8
NVAR	Mina Array Bay	88.28	42	eP	12:39:22.2	+1.6
NV11	Mina Array Sit	88.37	42	eP	12:39:22.6	+1.6
TPNV	Topopah Spring	88.41	45	eP	12:39:23.2	+1.5
KVN	Kaiserville	88.82	42	eP	12:39:24.2	+1.1
SHPR	Sheep Range	88.88	45	eP	12:39:25.5	+2.1
TUC	Tucuman	89.02	51	P	12:39:27.5	+1.6
MOD	Modoc Plateau	89.55	39	P	12:39:27.5	+1.1
X16A	Lo Mia Camp, P	89.59	49	P	12:39:30.9	+2.6
LCMT	Little Creek M	90.38	46	eP	12:39:32.6	+2.1
PINE	Pine Mountain	90.53	37	eP	12:39:32.8	+1.8
U15A	North Rim	90.67	47	P	12:39:33.8	+2.1
WUAZ	Wupatki	90.62	48	eP	12:39:33.4	+1.8
KNB	Kanai	90.64	46	eP	12:39:33.8	+2.1
CCUT	Cedar City	90.65	46	eP	12:39:33.4	+1.6
J08A	Circle Bar Ran	91.53	39	eP	12:39:37.0	+1.4
MTPU						

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like NVS, SRAK, UMPA, IM3, MK01, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like AS01, AS31, ASAR, LVZ, YKA, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like MORC, JAVC, VRAC, etc.

ISCJB 08 12:56:27.9, 1.4, 33.89S; 0:10:178.2W; 0.2, h37km, mb3, 6/3, Error ellipse: s-maj=31.3km s-min=9.6km az=20.2

IDC 08 12:56:29.1, 3.2, 33.63S; 178.93W, h0km, mb3, 6/3, mb1, 3.94, mb1mx3, 732, mb1mp3, 774, ML4, 1/1, Error ellipse: s-maj=71.2km s-min=46.4km az=118.0

WEL 08 12:56:30.0, 1.3, 34.5S; 29.1, 177.3W; 3.7, h33km, ML4, 4/15 ISC 08 12:56:30.1, 2.3, 33.38S; 0:11:178.3W; 0.3, h37km, n24, o88R/29, mb3, 7/3, 3, South of Kermadec Islands

Table with columns for Code, Station Name, Az, S, Phase ID, Time, Res. Includes stations like MXZ, WMGZ, PKGZ, etc.

Table with columns: ID, Name, RA, Dec, Az, El, P, S, M, L, R, S, P, M, L, R. Includes entries like Damavand, Kolaahrod, Afjeh, etc.

Table with columns: ID, Name, RA, Dec, Az, El, P, S, M, L, R, S, P, M, L, R. Includes entries like YSS, CBII, USAR, etc.

Table with columns: ID, Name, RA, Dec, Az, El, P, S, M, L, R, S, P, M, L, R. Includes entries like GTA, KNGR, etc.

NIED 08 13:53:00.37,90N,143.90E, h5km, Mw4.6 Best double couple: M1.03000,1.016 NP1.224.00000, 820.00000, ...

PETK 20121129 17:29:28 P 13 57 44.4 -0.5 comp=Z,0.2nm,0.3s,baz=198,slow=14,SNR=5.5

WMQ 20121129 17:29:28 P 13 57 44.4 -0.5 comp=Z,0.2nm,0.3s,baz=198,slow=14,SNR=5.5

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes entries like JIKH, JIKH, JIO, etc.

Table with columns: ID, Name, RA, Dec, Az, El, P, S, M, L, R, S, P, M, L, R. Includes entries like HHC, HHC, HHC, etc.

Table with columns: ID, Name, RA, Dec, Az, El, P, S, M, L, R, S, P, M, L, R. Includes entries like SANI, LAMP, PBKT, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like YM01, YM10, YW03, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like WCHH, WNT, WNT, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like JKE, JKE, HEN, etc.

8d 14h

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

2012 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like N02D, M04C, FCC, etc.

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

ISC/JB 08 14:27:33.0:0.4,38.93N:0.03:27.74E:0.03,h3km,5km, Error ellipse: s-maj=4.3km s-min=3.3km az=170.0

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKHS, KMB0, etc.

ISC/JB 08 14:31:19.0:41.05N:38.08E:h10km,ML2/3 Error ellipse: s-maj=7.4km s-min=3.5km az=25.8

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAW, KURBB, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ORDU, PRSE, ESPI, SUSE, ERBA, KELT, SVSK, BAYB.

NNC 08 14:36:16.8-1.3, 37.82N-72.07E, h176km, 1.7km, mb2.5, mpv3=11.6km, Error ellipse: s-maj=19.1km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFK, KSH, MNAS, AAK, KK31.

IDC 08 14:39:45.2-1.5, 37.60N-144.14E, h0km, mb3.5/3, mb1 3.74, mb1mx3.4/9, mbtmp3.4/4, ML3.3/1, Error ellipse: s-maj=36.6km, s-min=29.3km, az=137.0

ISCJB 08 14:39:48.1-0.9, 37.90N-105.144-00E, 0.06, h33km, mb3.6/3, Error ellipse: s-maj=8.1km, s-min=6.6km, az=153.0

JMA 08 14:39:48.0-1.0, 37.87N-143.95E, h44km, M3.4, ISC 08 14:39:50.1-1.2, 37.88N-107.143-99E, 0.08, h35km, n16, s132/26, mb3.5/3, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JIKH, JIO, OFUJ, JKMT, JMK, JOM, JFT, JYK, JCH, MJAR, JTKR, ILAR, WRA.

MAN 08 14:45:49.7, 10.37N-125.16E, h1km, mb4.5, ML3.3, MS3.1, 2C-1D, Leyte

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSLP, SCPH, PLP, OCLP, LLP, BESP, BUTP, BUKP, GUIM, RCP.

NIED 08 14:46:00.37, 90N-143.80E, h5km, Mw3.8 Best double couple: M6.57000x10^14 NP1.818.00000, s45.00000, lambda-110.00000, NP2.226.00000, s48.00000, lambda-71.00000

IDC 08 14:46:51.1-0.6, 37.75N-144.02E, h0km, mb3.8/16, mb1 4.0/21, mb1mx3.9/42, mbtmp3.8/21, ML3.2/5, MS3.0/2, Ms1 3.0/2, ms1mx2.5/39, Error ellipse: s-maj=16.9km, s-min=15.6km, az=122.0

ISCJB 08 14:46:54.0-0.5, 37.94N-105.143-82E, 0.05, h33km, mb3.7/16, Error ellipse: s-maj=6.9km, s-min=5.2km, az=17.7

JMA 08 14:46:55.2-0.1, 37.90N-143.78E, h45km, M3.9, ISC 08 14:46:56.0-0.7, 37.89N-106.143-87E, 0.07, h35km, n37, s175/45, mb3.7/16, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JIKH, JIO, JKMT, OFUJ, JMK, JOM, JFT, JYK, JANG, JRY, JODJ, MJAR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MJAR, JCH, JHU, JHU, JHU, JHU, USRK, KRSR, KLR, H1N2, H1N1, H1N3, ZALV, ZALV, CMAR, MKAR, KURBB, ILAR, WRA, ASAR, YKA, FINES, STKA, KBZ, NVAR, NOA, AKASO, PDAR.

ISCJB 08 15:04:00.5-0.8, 37.19N-105.72E, 0.11, h150km, Error ellipse: s-maj=15.4km, s-min=5.4km, az=160.2

NNC 08 15:04:08.6-2.2, 37.82N-72.07E, h181km, 2.2km, mb2.8, mpv3.8, Error ellipse: s-maj=22.5km, s-min=20.1km, az=116.0

ISC 08 15:04:00.5-1.1, 37.28N-108.07E, 0.11, h150km, n23, s206/28, 7C-3D, Tajikistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFK, AML, MNAS, UCH, KZA, EKSS, AAK, AAK, AAK, KBK, KK31, CHMS, TKM2, TKM2, PYUN, DANN, KOLN, KKN, PMN, PKI, AB31, GUN, AKTO.

DJA 08 15:20:55.7-0.2, 8.3S-111.3E, h10km, M3.6/7, MLV3.6/7, Jayapura

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BLJI, JAGI, KMIMI, PWJI, IGBI, DNP, SRBI, NGJI, PCJI, PCJI, WBJ, WOI, SMRI, PLAI, CMJI, BSKI.

ISCJB 08 15:25:21.9-0.8, 16.9N-101.147-4E, 0.2, h41km, mb3.5/8, MS2.8/1, Error ellipse: s-maj=27.6km, s-min=9.6km, az=29.4

IDC 08 15:25:24.1-4.1, 16.83N-147.46E, h48km, 41km, mb3.3/8, mb1 3.6/9, mb1mx3.4/44, mbtmp3.6/9, ML3.8/1, MS2.9/1, Ms1 2.9/1, ms1mx2.4/21, Error ellipse: s-maj=33.7km, s-min=25.2km, az=110.0

ISC 08 15:25:23.6-0.9, 16.9N-101.147-5E, 0.2, h41km, n10, mb3.9/10, mb3.5/8, Mariana Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BLJI, JAGI, KMIMI, PWJI, IGBI, DNP, SRBI, NGJI, PCJI, WBJ, WOI, SMRI, PLAI, CMJI, BSKI.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GUMO, KLR, WRA, FITZ, SONM, CMAR, MKAR, INK, YKA, NVAR.

ISCJB 08 15:28:27.5-1.0, 18.92N-108.145-6E, 0.4, h214km, mb3.6/4, Error ellipse: s-maj=50.3km, s-min=10.8km, az=3.5

IDC 08 15:28:28.9-2.3, 18.87N-145.69E, h217km, 21km, mb3.5/4, mb1 3.6/6, mb1mx3.1/41, mbtmp4.0/6, Error ellipse: s-maj=49.4km, s-min=16.1km, az=93.0

ISC 08 15:28:28.6-1.1, 18.91N-108.145-7E, 0.4, h214km, n6, s1935/7, mb3.7/16, Mariana Islands

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

ISCJB 08 15:29:39.4-0.7, 40.01N-104.33-24E, 0.06, h0km, Error ellipse: s-maj=7.3km, s-min=4.6km, az=36.6

DDA 08 15:29:39.5, 40.12N-33.01E, h7km, M2.5, ISK 08 15:29:39.5, 40.02N-33.18E, h12km, ML2.3/5, Suspected Mining explosion

ISC 08 15:29:39.1-1.1, 40.04N-104.33-24E, 0.06, h0km, n7, s6544/11, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ANTO, ELDT, AFSR, KKUL, KULU, CORM, YOZ.

NIED 08 15:33:00.37, 70N-143.50E, h5km, Mw4.2 Best double couple: M1.90000x10^15 NP1.355.00000, s45.00000, lambda-110.00000, NP2.226.00000, s48.00000, lambda-71.00000

IDC 08 15:33:42.4-0.6, 37.65N-143.65E, h0km, mb3.9/19, mb1 4.1/27, mb1mx4.1/43, mbtmp4.0/27, ML3.7/5, MS3.3/5, Ms1 3.3/5, ms1mx2.8/40, Error ellipse: s-maj=16.6km, s-min=13.6km, az=131.0

MOS 08 15:33:44.6-1.1, 37.76N-143.61E, h24km, mb4.6/6, Error ellipse: s-maj=9.9km, s-min=7.1km, az=101.0

ISCJB 08 15:33:45.8-0.3, 37.77N-103.143-60E, 0.03, h33km, mb4.1/28, MS3.2/2, Error ellipse: s-maj=4.2km, s-min=3.8km, az=159.3

JMA 08 15:33:45.8-0.2, 37.73N-143.54E, h48km, M3.8, NEIC 08 15:33:47.0-0.3, 37.73N-143.64E, h35km, mb4.8/4, Error ellipse: s-maj=6.3km, s-min=4.9km, az=129.0

ISC 08 15:33:47.0-0.6, 37.75N-106.143-85E, 0.06, h35km, n96, s1859/107, mb4.1/28, 2C-1D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JIKH, JIO, JKMT, OFUJ, JMK, JOM, JFT, JYK, JANG, JAG, BSO1, JOT, JRY, ERM, JODJ, MJAR.

ISCJB 08 15:35:23.6-0.9, 16.9N-101.147-5E, 0.2, h41km, n10, mb3.9/10, mb3.5/8, Mariana Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BLJI, JAGI, KMIMI, PWJI, IGBI, DNP, SRBI, NGJI, PCJI, WBJ, WOI, SMRI, PLAI, CMJI, BSKI.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like RKPI, KDU, SAUI, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like BKB, GUMI, KBKI, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like MAJO, Matushiro, MAJO, etc.

8d 16h

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Table with columns: CHTO, CHIANG MAI, KMI, USAOB, USRKR, KUR, XAN, MDJ, CN2, TIY, BJT, BJI, YSS, YSS, CD2, HHC, BTO. Includes station names, frequencies, and signal quality indicators.

Table with columns: KLR, LZH, GRNR, SKR, HIA, SHL, PEA0B, PETK, PET, GTA, ZEA, LSA, CASY, KIP, ULN, SONM, RAMM, POHA, PAE, PPT2, PPT, TIAR, TBI, JIRN. Includes station names, frequencies, and signal quality indicators.

Table with columns: GUN, PKI, PKIN, KKN, DMN, MA2, PMOR, ZAK, ADK, KOLN, DANN, TLY, IRK, MIR, PYUN, HYB, BOD, MOY, NGP, YAK, VNA, DGAR, SBA, WMO, HVS, POO, TAOE, DGZ, ZSN, ZSN, MKAR, BILL, BILL, BILL, MAKZ, SHLS. Includes station names, frequencies, and signal quality indicators.

Table with columns: Call Sign, Frequency, Power, Mode, Status, and other details. Includes stations like Tignall, Blacksburg, Lake Ozonia, etc.

Table with columns: Call Sign, Frequency, Power, Mode, Status, and other details. Includes stations like LIC Lamto, TIC Toumoudi, ANWB Willy Bob, etc.

Table with columns: Call Sign, Frequency, Power, Mode, Status, and other details. Includes stations like TGIG, CMIG, CSGN, etc.

MJAR	4.2nm,0.3s,baz=272,slow=26,SNR=4.7	LR	LR	20 50 01.0
MAJO	comp=Z,754nm,21.4s,baz=90,slow=42	Pn	Pn	20 48 06.2 +1.4
MAJO	Matsushiro 4.39 261 ePn	Pn	Pn	20 48 06.4 +1.5
MJB9	Matsu-Tunnel 4.40 261 ePn	Pn	Pn	20 48 06.5 +1.6
ERM	Erimo 4.68 356 ePn	Pn	Pn	20 48 07.1 -1.7
ERM	Erimo 4.68 356 ePn	Pn	Pn	20 48 57.0 -6.1
ERM	Erimo 4.68 356 ePn	Pn	Pn	20 48 07.1 -1.7
ERM	Erimo 4.68 356 ePn	Pn	Pn	20 48 57.0 -6.1
HJ2	Mitsune 5.23 217 ePn	Pn	Pn	20 48 14.1 -2.2
HJ2	Hachijo jima 2 5.24 218 Pn	Pn	Pn	20 49 10.2 -6.4
HJ2	42nm,0.3s,baz=349,slow=22,SNR=17	Pn	Pn	20 49 13.9 -2.6
JHJ	67nm,0.3s,baz=328,slow=24,SNR=5.8	Sn	Sn	20 49 11.0 -5.9
INU	Inuyama 5.67 251 ePn	Pn	Pn	20 48 23.1 +0.7
ASAJ	Asahikawa 6.81 354 Pn	Pn	Pn	20 48 37.3 -2.9
SHO	Shikotan 6.97 20 eS	Pn	Pn	20 49 49.2 -1.0
SHO	comp=Z,24nm,0.6s	Pmax	Pmax	
SHO	comp=N,23nm,0.5s	Pmax	Pmax	
SHO	comp=E,18nm,0.4s	Pmax	Pmax	
KUR	Kuril'sk 8.51 21 eP	Pn	Pn	20 48 59.1 -2.2
KUR	Kuril'sk 8.51 21 eP	Pn	Pn	20 50 27.8 -1.0
KUR	comp=Z,148nm,0.4s	Pmax	Pmax	
KUR	comp=N,13nm,0.2s	Pmax	Pmax	
TEY	Ternei 9.32 328 eP	Pn	Pn	20 49 12.6 +0.2
TEY	comp=E,20nm,0.9s	Pmax	Pmax	
TEY	comp=Z,40nm,0.9s	MLR	MLR	
TEY	comp=E,20nm,1.0s	MLR	MLR	
TEY	comp=N,20nm,2.0s	MLR	MLR	
YSS	comp=Z,20nm,3.0s	Pn	Pn	20 49 15.9 -0.7
YSS	Yuzh-Sakhalins 9.63 357 ePn	Pn	Pn	20 49 16.0 -0.7
YSS	Yuzh-Sakhalins 9.63 357 ePn	Pn	Pn	20 49 21.5 -4.2
CBJ	Chichi jima 10.28 187 ePn	Pn	Pn	20 49 32.1 +1.7
CBJ	Chichi jima 10.28 187 ePn	Pn	Pn	20 49 39.2 +1.7
USA0B	Ussuriysk Arra 11.15 312 ePn	Pn	Pn	20 49 39.2 +1.7
USRK	Ussuriysk Ar. 11.15 312 Pn	Pn	Pn	20 53 50.4
USRK	comp=Z,0.5nm,0.3s,baz=116,slow=12,SNR=14	LR	LR	
USRK	comp=Z,299nm,18.1s,baz=148,slow=37	LR	LR	
JNU	Nakatsue 11.22 252 Pn	Pn	Pn	20 49 38.8 +0.2
JNU	comp=Z,0.3nm,0.3s,baz=55,slow=12,SNR=4.8	Pn	Pn	
JNU	Nakatsue 11.22 252 ePn	Pn	Pn	20 49 39.8 +1.2
KSRS	Korea Array 12.27 275 Pn	Pn	Pn	20 49 57.9 +2.3
KSRS	baz=91,slow=13,SNR=7.5	LR	LR	
KSRS	comp=Z,299nm,18.1s,baz=68,slow=38	LR	LR	
KSAR	Wonju Array Be 12.51 275 Pn	Pn	Pn	20 49 57.9 +1.9
KSAR	Wonju Array Be 12.51 275 Pn	Pn	Pn	20 50 24.6 -0.9
KSAR	Kul'di 14.67 328 Pn	Pn	Pn	
KLK	comp=Z,0.2nm,0.3s,baz=126,slow=14,SNR=10	LR	LR	
JOW	comp=Z,167nm,18.0s,baz=198,slow=40	P	P	20 56 53.3
JOW	Kumigan 16.66 235 ePn	P	P	20 50 53.5 -0.6
JOW	comp=Z,105nm,1.5s	P	P	
PETK	Petrovavlovsk- 18.58 27 LR	LR	LR	21 00 59.9
PETK	comp=Z,48nm,18.2s,baz=165,slow=45	LR	LR	
ZEA	Zeya 19.92 331 eP	P	P	20 51 29.0 -0.7
ZEA	comp=N,110nm,1.4s	Pmax	Pmax	
ZEA	comp=Z,120nm,1.6s	Pmax	Pmax	
HIA	Hailar 20.96 312 eP	P	P	20 51 39.9 -1.2
HIA	Hailar 20.96 312 eP	P	P	20 51 39.9 -1.2
HIA	Hailar 20.96 312 eP	P	P	
HIA	Hailar 20.96 312 eP	P	P	
BJT	comp=Z,11nm,0.9s	P	P	20 51 47.2 -0.3
BJT	Baijiatuu 21.55 286 eP	P	P	20 51 47.2 -0.3
BJT	Baijiatuu 21.55 286 eP	P	P	
BJT	Baijiatuu 21.55 286 eP	P	P	
NACB	comp=Z,16nm,0.8s	P	P	20 52 02.3 -0.2
NACB	Ninganchao 22.95 241 eP	P	P	20 52 08.5 -1.1
SSLB	Suangleung 23.65 242 eP	P	P	20 52 08.8 -0.9
SSLB	comp=Z,29nm,1.0s	P	P	
YULB	Yu-li 23.66 240 eP	P	P	20 52 14.0 -0.7
YULB	comp=Z,62nm,1.3s	P	P	
TPUB	Tapu 24.19 241 eP	P	P	20 52 24.5 +1.3
TPUB	comp=Z,124nm,1.5s	P	P	
WHN	Wuhan 25.13 263 P	LR	LR	20 52 29.4 +1.3
WHN	Chita 25.69 314 eP	P	P	20 52 41.1
CIT	CIT 25.69 314 eP	P	P	
CIT	CIT 25.69 314 eP	P	P	
SEY	Seymchan 26.18 9 P	P	P	20 52 32.8 +0.4
SEY	comp=Z,60nm,1.2s	Pmax	Pmax	
YAK	Yakutsk 26.19 345 eP	P	P	20 52 32.2 -0.2
YAK	comp=Z,22nm,0.8s	Pmax	Pmax	
YAK	comp=Z,22nm,0.8s	Pmax	Pmax	
H11N2	WAKE ISLAND Hy 26.84 124 T	T	T	21 20 39.8
H11N2	baz=316,slow=75,SNR=9.0	T	T	
H11N1	WAKE ISLAND Hy 26.85 124 T	T	T	21 20 43.3
H11N1	baz=316,slow=75,SNR=5.7	T	T	
H11N3	WAKE ISLAND Hy 26.86 124 T	T	T	21 20 34.4
H11N3	baz=316,slow=75,SNR=5.3	T	T	
H11S1	WAKE ISLAND Hy 27.61 127 T	T	T	21 21 34.6
H11S1	baz=318,slow=76,SNR=6.6	T	T	
H11S3	WAKE ISLAND Hy 27.60 127 T	T	T	21 21 36.0
H11S3	baz=318,slow=76,SNR=7.2	T	T	
H11S2	WAKE ISLAND Hy 27.61 127 T	T	T	21 21 45.6
H11S2	baz=318,slow=76,SNR=5.8	T	T	
BOD	Bodaibo 28.23 326 eP	P	P	20 52 50.1 -0.7
BOD	comp=Z,29nm,1.9s	Pmax	Pmax	
ULN	Ulaanbaatar 28.64 303 eP	P	P	20 52 56.0 +1.2
ULN	comp=Z,11nm,1.2s	P	P	
ULN	Ulaanbaatar 28.64 303 eP	P	P	20 52 55.5 +0.7
ULN	comp=Z,14nm,1.7s	Pmax	Pmax	
SONA1	Songino Array 29.07 303 eP	P	P	20 52 59.0 +0.4
SONA1	comp=Z,14nm,1.7s	Pmax	Pmax	
SONA1	Songino Array 29.07 303 eP	P	P	20 52 59.3 +0.7
SONA1	comp=Z,3.6nm,0.7s,baz=103,slow=8.2,SNR=17	LR	LR	
SONA1	Songino Array 29.07 303 eP	P	P	21 04 37.8
ENH	Enshi 29.10 266 eP	P	P	20 53 00.2 +1.3
ENH	comp=Z,20nm,0.8s	P	P	
BILL	Bilibino 33.26 15 eP	P	P	20 53 34.5 -0.6
BILL	comp=Z,11nm,1.2s	P	P	
BILL	Bilibino 33.26 15 eP	P	P	20 53 35.1 0.0
BILL	comp=Z,11nm,1.2s	P	P	
BILL	Bilibino 33.26 15 eP	P	P	20 53 47.0
BILL	Bilibino 33.26 15 eP	P	P	20 56 17.5
BILL	comp=Z,15nm,2.5s	Pmax	Pmax	
BILL	comp=Z,68nm,16.0s	MLR	MLR	
CD2	Chengdu 34.42 271 P	P	P	20 53 38.4 +1.4
CD2	comp=Z,20nm,0.5s	Pmax	Pmax	
GTA	Gaotai 34.14 287 P	P	P	20 53 44.7 +1.4
GTA	comp=Z,20nm,0.5s	Pmax	Pmax	
GTA	Gaotai 34.14 287 P	P	P	20 53 54.2 +5.8
GTA	comp=Z,4.0nm,1.7s	Pmax	Pmax	
GTA	comp=Z,98nm,4.0s	Pmax	Pmax	
GTA	comp=Z,200nm,16.2s	LR	LR	
GTA	comp=Z,210nm,16.2s	LR	LR	
GTA	comp=Z,260nm,15.6s	LR	LR	
TIXI	Tiksi 35.21 352 P	P	P	20 53 51.1 -0.9
TIXI	comp=Z,0.9nm,0.3s,baz=137,slow=1.8,SNR=6.7	P	P	
TIXI	Tiksi 35.21 352 eP	P	P	20 53 50.9 -1.0
TIXI	comp=Z,7.0nm,1.4s	P	P	
TIXI	Tiksi 35.21 352 eP	P	P	20 53 51.0 -0.9
TIXI	comp=Z,7.0nm,1.4s	P	P	

HVS	comp=Z,11nm,2.5s	P	P	20 54 14.1 +1.5
HVS	Khovu-Akny 37.59 308 eP	P	P	
HVS	comp=Z,11nm,0.9s	Pmax	Pmax	
SUJI	Soront 39.70 200 LR	LR	LR	21 10 26.7
SUJI	comp=Z,2um,20.1s,baz=295,slow=36	LR	LR	
ANM	Nome 40.43 31 eP	P	P	20 54 37.4 +1.3
ANM	comp=Z,18nm,1.2s	P	P	
ANM	Nome 40.43 31 eP	P	P	20 54 37.4 +1.3
ANM	comp=Z,18nm,1.2s	Pmax	Pmax	
DGZ	Jazzart, Alta 41.63 306 eP	P	P	20 54 47.8 +1.4
DGZ	comp=Z,8.0nm,0.9s	Pmax	Pmax	
LAMP	Lampang 42.70 256 P	P	P	20 54 57.3 +2.1
LAMP	comp=Z,4.7nm,0.8s	P	P	
ZAA0	Zalevsof Array 43.00 312 eP	P	P	20 54 57.8 +0.5
ZAA0	comp=Z,7.0nm,0.8s	P	P	
ZAA0	Zalevsof Beam 43.00 312 eP	P	P	20 56 47.0 -0.5
ZAA0	comp=Z,6.2nm,0.9s,baz=90,slow=7.4,SNR=22	P	P	
ZALV	comp=Z,3.4nm,0.6s,baz=90,slow=2.6,SNR=5.4	P	P	20 56 47.2 -0.3
ZALV	comp=Z,155nm,18.1s,baz=70,slow=37	LR	LR	21 13 40.9
ZALV	Zalevsof Beam 43.00 312 eP	P	P	20 54 57.1 -0.2
ZALV	Zalevsof Beam 43.00 312 eP	P	P	20 56 46.7 -0.7
ZALV	Zalevsof Beam 43.00 312 eP	P	P	20 54 59.5 +1.3
CMIT	Chiang Mai 43.06 257 P	P	P	20 54 59.0 +0.9
CMIT	comp=Z,10nm,0.9s	P	P	
CHTO	Chiang Mai 43.06 257 eP	P	P	20 54 59.1 +0.9
CHTO	Chiang Mai 43.06 257 eP	P	P	20 54 59.6 +1.4
CHTO	Chiang Mai 43.06 257 eP	P	P	20 55 01.2 +1.4
CHTO	Chiang Mai 43.06 257 eP	P	P	20 55 01.2 +1.4
CMAR	Chiang Mai Arr 43.27 257 P	LR	LR	21 15 59.6
CMAR	comp=Z,4.5nm,0.8s,baz=44,slow=6.7,SNR=36	LR	LR	
CMAR	Chiang Mai Arr 43.27 257 P	P	P	20 55 01.2 +1.3
CMAR	comp=Z,72nm,19.6s,baz=57,slow=40	LR	LR	
CMAR	Chiang Mai Arr 43.27 257 P	P	P	20 55 08.7 +1.7
CMAR	comp=Z,5.0nm,0.8s	Pmax	Pmax	
CM01	Chiang Mai Arr 43.27 257 eP	P	P	20 55 08.7 +1.7
CM01	Chiang Mai Arr 43.27 257 eP	P	P	20 55 49.7 +0.8
NVS	Novosibirsk 43.90 314 P	P	P	20 55 04.4 -0.1
NVS	Novosibirsk 43.90 314 P	P	P	20 55 05.5 -0.1
LSA	Lhasa 43.92 276 eP	P	P	20 55 05.5 -0.1
LSA	comp=Z,4.0nm,0.8s	Pmax	Pmax	
LSA	Lhasa 43.92 276 eP	P	P	20 55 08.7 +1.7
SVW2	Sparrevohov 44.22 37 eP	P	P	20 55 17.1 +0.1
SVW2	comp=Z,66nm,1.7s	P	P	
MK01	Makanchi Array 45.43 302 eP	P	P	20 55 17.4 +0.4
MK01	Makanchi Array 45.43 302 eP	P	P	20 55 17.4 +0.4
MK01	Makanchi Array 45.43 302 eP	P	P	20 55 17.4 +0.5
MK01	Makanchi Array 45.43 302 eP	P	P	20 55 17.4 +0.5
MKAR	Makanchi Array 45.44 302 eP	P	P	20 55 17.2 +0.2
MKAR	comp=Z,56nm,18.7s,baz=76,slow=39	LR	LR	
MKAR	Makanchi Array 45.44 302 eP	P	P	20 55 17.2 +0.2
MKAR	comp=Z,49nm,0.9s	Pmax	Pmax	
MKAR	Makanchi Array 45.44 302 eP	P	P	20 55 15.9 -1.3
MKAR	Makanchi Array 45.44 302 eP	P	P	20 55 18.6 0.0
IM3	Indian Mountain 45.50 31 eP	P	P	20 55 18.4 -0.4
IM3	Indian Mountain 45.50 31 eP	P	P	20 55 18.4 -0.4
MAK2	Makanchi 45.50 31 eP	P	P	20 55 21.2 +0.5
MAK2	comp=Z,23nm,0.9s,baz=255,slow=5,SNR=4.7	P	P	
KDAA	Kodiak Island 45.70 42 P	P	P	20 55 18.4 -0.4
KDAA	comp=Z,23nm,0.9s,baz=255,slow=5,SNR=4.7	P	P	
PPLA	Perkuyelle 45.92 35 eP	P	P	20 55 21.2 +0.5
PPLA	comp=Z,27nm,1.9s	P	P	
PHET	Kaeng Krachan 46.10 250 P	P	P	20 55 24.5 +2.0
PHET	comp=Z,8.7nm,0.7s,comp=Z,79nm	P	P	
SKT	Skvetna 46.19 36 eP	P	P	20 55 24.1 +1.4
SKT	comp=Z,18nm,1.3s	P	P	
SUA	Susitna One 46.56 37 eP	P	P	20 55 24.5 -1.3
SUA	comp=Z,87nm,2.0s	P	P	
MLY	Manlie 46.66 32 eP	P	P	20 55 27.3 +0.9
MLY	comp=Z,8.4nm,1.2s	P	P	
KURK	Kurchatov 47.12 308 eP	P	P	20 55 30.3 +0.2
KURK	comp=Z,20nm,0.8s	Pmax	Pmax	
KURK	Kurchatov 47.12 308 eP	P	P	20 55 30.9 +0.3
KURK	comp=Z,20nm,0.8s	Pmax	Pmax	
KURB	Kurchatov Arra 47.19 308 P	P	P	20 55 32.3 +0.1
KURB	comp=Z,10nm,0.9s,baz=82,slow=8.2,SNR=50	P	P	
MCK	McKinley 47.41 34 eP	P	P	20 55 32.3 +0.1
MCK	comp=Z,46nm,1.8s	Pmax	Pmax	
MCK	McKinley 47.41 34 eP	P	P	20 55 33.0 +0.5
MCK	McKinley 47.41 34 eP	P	P	20 55 33.0 +0.4
GHO	comp=Z,46nm,1.8s	P	P	20 55 33.0 +0.4
GHO	Glory Hole Cr 47.43 37 eP	P	P	20 55 33.0 +0.4
GHO	comp=Z,67nm,1.8s	P	P	
RND	Reindeer 47.44 34 eP	P	P	20 55 33.0 +0.4
RND	comp=Z,27nm,1.6s	Pmax	Pmax	
RND	Reindeer 47.44 34 eP	P	P	20 55 35.0 +0.4
RND	comp=Z,27nm,1.6s	Pmax	Pmax	
SML	Sawmill 47.71 37 eP	P	P	20 55 35.0 +0.4
SML	comp=Z,56nm,1.5s	P	P	
SML	Sawmill 47.71 37 eP	P	P	20 55 35.0 +0.4
SML	comp=Z,56nm,1.5s	Pmax	Pmax	
MDM	Murphy Dome 47.73 32 eP	P	P	20 55 35.7 +1.1
MDM	comp=Z,11nm,0.9s	P		

8d 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VRAC Vranov, KRUC Moravsky, GOCPC Goc Pecny, etc.

IDC 08 20:47:20.6:0.9,5:06S:102:34E,h0km,mb4.2/15, mb1.4/3/16,mb1mx4.1/48,mbmp4.2/16,ML4.4/1,MS3.4/5, Ms1.3/4/5,ms1mx3.0/48,Error ellipse: s-maj=32.2km s-min=13.3km az=55.0

ISCJB 08 20:47:23.7:0.3,5:23S:0:04:102:22E:0:04,h35km, mb4.5/34,MS4.0/6,Error ellipse: s-maj=6.6km s-min=2.7km az=55.0

DJA 08 20:47:24.9:0.5,5:5S:10:10:2E,h10km,M4.6/18,mb4.6/6, MB5.1/5,MLV4.7/18,MB(W)4.4/5

KLM 08 20:47:24.0:5,5:51S:102:01E,h30km,mb4.6

NEIC 08 20:47:25.9:0.7,5:16S:102:28E,h41km,5km,mb4.8/18, Error ellipse: s-maj=8.8km s-min=4.3km az=52.0

ISC 08 20:47:25.1:0.5,5:26S:0:06:102:23E:0:06,h35km,n115, e:202/106,mb4.6/34,MS3.9/7,Southern Sumatera

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MNAI Manna, MASI Maura Aman, etc.

2012 DEC

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KMI comp=N,190nm,17.3s, KMI comp=E,110nm,14.2s, etc.

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYNG Yonagunijimaku, JYNG Suao, etc.

TAP 08 20:52:53.8,24:57N:122:40E,h14km,ML2.8,D JMA 08 20:52:54.4,24:51N:122:43E,h33km,2km,ML2.4 ISC 08 20:52:52.9:1.1,24:56N:0:03:122:44E:0:02,h13km,9gkm, n59,e08/92,Taiwan region

SSD	baz=213 Sandimen baz=207	2.45 223 eP	Pb	20 53 35.9 -0.9
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IDC 08 20:59:08.1±1.2, 37.23N:143.84E, h0km, mb3.5/5,
 mb1 3.7/8, mb1mx3.4/4, mbtmp3.6/6, ML3.7/2, Error
 ellipse: s-maj=28.7km s-min=23.7km az=105.0
 IS/CJ/B 08 20:59:11.0±0.8, 37.35N:0.04:143.58E:0.0, h0km, h33km,
 mb3.5/5, Error ellipse: s-maj=7.1km s-min=6.0km
 az=150.6
 JMA 08 20:59:11.7±0.2, 37.39N:143.55E, h48km, M3.9
 ISC 08 20:59:12.8±1.1, 37.33N:0.05:143.62E:0.09, h35km, n21,
 r1571/32, mb3.7/5, Off east coast of Honshu

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
ISC	h m s	ISC			
JIKH	Ishinomakikobu	1.97 301	Op	20 59 42.4	+1.2
JIKH	Ouri	1.22 303	P	20 59 05.3	-1.8
JIO	Ouri	1.22 303	P	20 59 44.7	-1.0
JIO	Kawauchi	2.19 272	P	20 10 08.8	-2.1
JFK	Kawauchi	2.19 272	P	20 59 45.9	-0.8
JFK	Kawauchi	2.19 272	P	21 00 11.1	-1.5
JKMT	Kesennumamotoy	2.25 312	P	20 59 46.2	-1.3
JKMT	Kesennumamotoy	2.25 312	P	21 00 11.8	-2.3
ONAJ	Iwakimizuishi	2.27 265	P	20 10 12.7	-1.8
JMK	Iwakimizuishi	2.50 311	P	20 59 49.8	-1.0
JMK	Iwakimizuishi	2.50 311	P	21 00 18.3	-1.7
JOU	Okura	2.56 295	P	20 59 51.5	-0.3
JOU	Okura	2.56 295	P	21 00 20.8	-0.9
JFT	Otama	2.62 275	P	20 59 52.9	+0.3
JFT	Otama	2.62 275	P	21 00 23.1	-0.1
JOM	Ohasama	2.82 320	P	20 59 54.3	-1.0
JOM	Ohasama	2.82 320	P	21 00 25.2	-1.9
JRG	Rokugo	3.13 312	P	20 59 59.3	-0.3
JANG	Nango	3.46 332	P	21 00 03.1	-1.0
JAG	Ashikaga	3.46 256	P	21 00 40.3	-3.6
JAG	Ashikaga	3.46 256	P	21 00 42.6	-1.3
JRY	Ryogami san	4.01 252	P	21 01 11.4	+0.4
MJAR	Matsushiro Arr	4.41 261	P	21 00 18.4	+1.2
JHJ	Hachijo jima 2	5.24 218	Pn	21 00 27.2	-1.4
JHJ	Hachijo jima 2	5.24 218	Pn	21 01 22.9	-5.0
JHJ	Hachijo jima 2	5.24 218	Pn	21 01 52.8	+0.9
USRK	Ussuriysk Arr.	11.17 312	Pn	21 07 13.3	+2.1
CMAR	Chiang Mai Arr	43.29 257	P	21 07 29.8	+1.5
CMAR	Chiang Mai Arr	43.29 257	P	21 07 50.7	+0.5
MKAR	Makanchi Arr	45.46 302	P	21 07 59.3	-0.1
ILAR	Eielson Array	46.30 33	P	21 07 50.7	+0.5
WRA	Warrungarra Arr	57.25 190	P	21 08 59.3	-0.1
ASAR	Alice Springs	61.35 190	P	21 09 25.1	0.0

IS/CJ/B 08 20:59:38.8±1.1, 37.39N:0.05:143.75E:0.07, h33km,
 mb3.6/2, Error ellipse: s-maj=8.3km s-min=7.0km az=42.3
 JMA 08 20:59:38.8±0.3, 37.36N:143.72E, h42km, M3.7
 IDC 08 20:59:38.1±1.6, 37.14N:143.84E, h0km, mb3.7/2,
 mb1 3.9/3, mb1mx3.4/2, mbtmp3.6/3, ML3.6/1, Error
 ellipse: s-maj=54.4km s-min=31.8km az=130.0
 ISC 08 20:59:41.9±1.2, 37.43N:0.07:143.71E:0.07, h35km, n15,
 r1566/18, Off east coast of Honshu

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
ISC	h m s	ISC			
JIKH	Ishinomakikobu	1.98 297	Op	21 00 11.4	-1.5
JIKH	Ouri	1.22 303	P	21 00 35.5	-0.9
JIO	Ouri	1.22 303	P	21 00 39.6	-0.4
JKMT	Kesennumamotoy	2.25 312	P	21 00 41.2	-0.6
JFK	Kawauchi	2.25 269	eS	21 00 41.4	-2.0
OFUJ	Ofunato	2.30 316	eS	21 00 43.9	-0.4
JMK	Ichinoseki	2.48 308	eS	21 00 48.7	0.0
JFT	Otama	2.68 273	eS	21 00 53.5	-0.4
JOM	Ohasama	2.78 318	eS	21 00 56.5	+0.2
JANG	Nango	3.40 330	eS	21 01 12.5	-1.0
JAG	Ashikaga	3.55 255	eS	21 01 13.0	-2.3
MJAR	Matsushiro Arr	4.49 260	Pn	21 00 48.0	+0.5
JCH	Churui	5.18 357	P	21 00 57.5	+0.6
JCH	Churui	5.18 357	P	21 01 08.9	+1.3
NEM2	Nemuro 2	6.12 14	P	21 01 08.7	-1.2
NEM2	Nemuro 2	6.12 14	P	21 02 14.7	-4.0
ILAR	Eielson Array	47.17 33	P	21 08 21.1	+2.7
WRA	Warrungarra Arr	57.25 190	P	21 09 29.0	-0.4

IS/CJ/B 08 21:00:10.7±1.3, 44.11N:0.1:105.4W:0.2, h0km, Error
 ellipse: s-maj=22.7km s-min=7.6km az=42.6
 IDC 08 21:00:12.5±1.7, 43.88N:105.57W, h0km, mb1 3.4/4,
 mb1mx3.2/59, mbtmp3.1/4, ML2.9/3, Error ellipse:
 s-maj=44.5km s-min=9.1km az=147.0
 NEIC 08 21:00:13.1±1.4, 44.11N:105.48W, h0km, ML3.1, Error
 ellipse: s-maj=19.8km s-min=7.5km az=135.0, Suspected
 Mining explosion.

NEIC 21 km [13 miles] S of Gillette,
 ISC 08 21:00:13.2±1.4, 43.98N:0.09:105.5W:0.1, h0km, n10,
 r135/16, Wyoming

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
ISC	h m s	ISC			
BW06	Boulder Array	3.22 249	Pn	21 01 05.1	-0.2
EGMT	Pinedale Array	3.22 249	Pn	21 01 04.8	-0.5
PDAR	Pinedale Array	3.22 249	Pn	21 01 04.8	-0.5
PDAR	Pinedale Array	3.22 249	Pn	21 01 50.0	
AHID	Ahimsa Hatcher	4.29 255	eP	21 01 19.1	-0.8
AHID	Ahimsa Hatcher	4.29 255	eP	21 01 34.7	-0.6
DGMT	Dagmar	4.58 11	eP	21 01 21.4	-2.3
DGMT	Dagmar	4.58 11	eP	21 01 35.8	+1.4
BOZ	Bozeman (W)	4.68 292	Pn	21 01 24.9	-0.4
EGMT	Eagleton	5.03 325	Pn	21 01 49.5	-1.7
EGMT	Eagleton	5.03 325	Pn	21 01 44.1	+1.9
HWUT	Hardware Ranch	5.08 244	ePn	21 01 31.6	+0.9
HWUT	Hardware Ranch	5.08 244	ePn	21 01 43.5	+0.4
HWUT	Hardware Ranch	5.08 244	ePn	21 01 51.4	+0.8
ULM	Lac du Bonnet	9.05 43	Pn	21 02 23.9	-1.2
ULM	Lac du Bonnet	9.05 43	Pn	21 04 55.4	
NVAR	Mina Array Bea	11.25 149	Pn	21 02 55.5	+1.4
YKA	Yellowknife Arr	19.30 347	Pn	21 04 40.7	+0.3

UCR 08 21:05:16.8±1.7, 13.14N:89.96W, h24km, ML3.5, El
 Salvador

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
ISC	h m s	ISC			
CEVE	Cerro Verde	0.76 25	Op	21 05 31.2	-0.3
CEVE	Cerro Verde	0.76 25	Op	21 05 43.6	+0.5
CEVE	Cerro Verde	0.76 25	Op	21 05 45.0	
SBSL	San Blas	0.77 25	eP	21 05 31.3	-0.5
SNJE	San Jose	0.80 25	eP	21 05 31.8	-0.5
RTR	El Retiro	0.81 22	eP	21 05 32.1	-0.4
CEDA	San Andres	0.86 39	eS	21 05 33.5	+0.1
CEDA	San Andres	0.86 39	eS	21 05 46.1	+0.9
CEDA	San Andres	0.86 39	eS	21 06 01.7	
BOQS	Boqueron	0.89 48	eP	21 05 33.4	-0.3
SNET	Sober Nac Est T	0.89 52	eP	21 05 33.7	-0.7
SNET	Sober Nac Est T	0.89 52	eP	21 05 51.0	
UEES	San Salvador	0.91 50	eP	21 05 33.6	-0.4
UEES	San Salvador	0.91 50	eP	21 05 46.1	+0.3
UEES	San Salvador	0.91 50	eP	21 05 50.8	
LOMA	San Marcos	0.92 56	eP	21 05 33.6	-0.5
LFRS	El Faro	1.00 61	eP	21 05 35.0	-0.4

LFU	L Fuente	1.02 53	eP	Pn	21 05 35.5	-0.2
LBRS	Las Brisas	1.07 56	eP	Pn	21 05 36.3	-0.2
PAVA	Las Pavas	1.15 60	eP	Pb	21 05 37.8	-0.2
PAVA	Las Pavas	1.15 60	eS	Sb	21 05 54.2	+1.6
PAVA	Las Pavas	1.15 60	eS	IAML	21 05 59.8	
SNVI	San Vicente	1.19 66	eP	Pn	21 05 37.9	-0.2
SNVI	San Vicente	1.19 66	eS	Sb	21 05 55.0	+1.2
PACA	Pacayal	1.62 78	eP	Sb	21 05 45.2	-1.0
PACA	Pacayal	1.62 78	eS	Sb	21 05 05.9	-0.4
VSM	San Miguel	1.66 80	eS	Pn	21 05 44.8	-0.1
LCND	La Ca-ada	2.02 85	eP	Pn	21 05 50.5	+1.1
LCND	La Ca-ada	2.02 85	eS	Sn	21 06 15.5	+1.6
LCND	La Ca-ada	2.02 85	eS	IAML	21 06 23.8	
CSGN	Cosiguina Voic	2.34 94	eP	Pn	21 05 53.9	0.0
CSGN	Cosiguina Voic	2.34 94	eS	Sn	21 06 23.2	+1.2
CSGN	Cosiguina Voic	2.34 94	eS	IAML	21 06 28.9	
CRIN	San Cristobal	2.87 98	eP	Pn	21 06 00.6	-0.5
MOMN	Momotombo	3.41 102	eP	Pn	21 06 07.4	-1.2
COPN	Copaltepe	3.42 106	eP	Pn	21 06 08.4	-0.2

NIED 08 21:05:00.37:90N:143:80E, h5km, Mw4.1 Best double
 couple: Mo1.430000:1015 NP1.26200000:δ30.000000°,
 λ-111.000000°. NP2.2930.000000:δ62.000000°,
 λ-78.000000°
 IDC 08 21:05:12.5±0.7, 37.75N:143:98E, h0km, mb4.0/18,
 mb1 4.2/23, mb1mx4.0/59, mbtmp4.0/23, ML4.2/4, MS3.2/7,
 Ms1 3.2/7, ms1mx2.7/52, Error ellipse: s-maj=16.9km
 s-min=15.7km az=115.0
 NEIC 08 21:05:14.6±3.2, 37.83N:144:00E, h11km, 19km, mb4.3/5,
 Error ellipse: s-maj=9.6km s-min=6.6km az=116.0
 IS/CJ/B 08 21:05:15.5±1.5, 37.82N:0.04:143.77E:0.04,
 h29km, 11km, mb4.0/23, MS3.3/2, Error ellipse: s-maj=6.0km
 s-min=5.7km az=37.6
 JMA 08 21:05:16.4±0.2, 37.89N:143:79E, h45km, M4.3
 ISC 08 21:05:17.2±1.7, 37.87N:0.04:143.78E:0.05, h29km, 19km,
 n53, r1547/62, mb4.1/23, Off east coast of Honshu

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
ISC	h m s	ISC			
JIKH	Ishinomakikobu	1.87 284	Op	21 05 47.0	-0.7
JIKH	Ouri	1.20 287	P	21 06 09.3	-1.1
JIO	Ouri	1.20 287	P	21 05 48.8	-0.6
JKMT	Kesennumamotoy	2.03 298	P	21 06 12.4	-1.0
JKMT	Kesennumamotoy	2.03 298	P	21 05 49.7	-0.7
OFUJ	Ofunato	2.04 306	P	21 05 49.2	-0.8
OFUJ	Ofunato	2.04 306	P	21 06 13.4	-1.1
JMK	Ichinoseki	2.27 299	P	21 05 52.8	-0.4
JMK	Ichinoseki	2.27 299	P	21 05 19.9	-0.3
JOM	Ohasama	2.50 310	P	21 05 26.1	-0.4
JOM	Ohasama	2.50 310	P	21 06 20.0	0.0
JFT	Otama	2.75 263	P	21 05 59.7	-0.2
JFT	Otama	2.75 263	P	21 06 31.6	-0.6
JYK	Kaneyama	2.87 292	P	21 06 01.7	+0.2
JYK	Kaneyama	2.87 292	P	21 06 35.6	+0.5
JANG	Nango	3.04 325	P	21 06 03.4	-0.4
JANG	Nango	3.04 325	P	21 06 38.1	-1.1
JAW	Awa shima	3.61 280	P	21 06 12.5	+0.8
BWSO	Boso 1	3.94 216	P	21 06 13.0	-2.7
BWSO	Boso 1	3.94 216	P	21 06 57.8	-3.0
JOT	Ohata	4.07 330	P	21 06 18.7	+0.7
JOT	Ohata	4.07 330	P	21 07 02.3	-2.4
ERM	Erimo	4.15 354	ePn	21 06 18.8	-0.8
ERM	Erimo	4.15 354	eS	21 07 02.8	-3.7
JRY	Ryogami san	4.33 246	P	21 06 20.4	-1.2
JRY	Ryogami san	4.33 246	P	21 07 08.5	-2.6
JOD2	Odawara 2	4.59 237	P	21 06 26.1	-1.9
MJAR	Matsushiro Arr	4.64 255	Pn	21 06 12.9	-4.7
MJAR	Matsushiro Arr	4.64 255	Pn	21 06 26.3	+0.4

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
ISC	h m s	ISC			
JIKH	Ishinomakikobu	1.87 284	Op	21 05 47.0	-0.7
JIKH	Ouri	1.20 287	P	21 06 09.3	-1.1
JIO	Ouri	1.20 287	P	21 05 48.8	-0.6
JKMT	Kesennumamotoy	2.03 298	P	21 06 12.4	-1.0
JKMT	Kesennumamotoy	2.03 298	P	21 05 49.7	-0.7
OFUJ	Ofunato	2.04 306	P	21 05 49.2	-0.8
OFUJ	Ofunato	2.04 306	P	21 06 13.4	-1.1
JMK	Ichinoseki	2.27 299	P	21 05 52.8	-0.4
JMK	Ichinoseki	2.27 299	P	21 05 19.9	-0.3
JOM	Ohasama	2.50 310	P	21 05 26.1	-0.4
JOM	Ohasama	2.50 310	P	21 06 20.0	0.0
JFT	Otama	2.75 263	P	21 05 59.7	-0.2
JFT	Otama	2.75 263	P	21 06 31.6	-0.6
JYK	Kaneyama	2.87 292	P	21 06 01.7	+0.2
JYK	Kaneyama	2.87 292	P	21 06 35.6	+0.5
JANG	Nango	3.04 325	P	21	

IDC 08 21:31:27.3:1.4, 37:31N:143:83E, h0km, mb3.4/5, mb1.3/6, mb1mx3.4/49, mbtmp3.4/6, ML3.4/1, MS3.0/3, Ms1.3/1.3, ms1mx2.4/35, Error ellipse: s-maj=32.4km s-min=27.6km az=128.0

ISC/JB 08 21:31:1.0:0.8, 37:36N:0:04:143:57E:0:06, h33km, mb3.4/5, MS3.0/3, Error ellipse: s-maj=7.2km s-min=5.9km az=15.4

JMA 08 21:31:31.5:0.2, 37:40N:143:58E, h59km, M3.5

ISC 08 21:31:32.8:1.2, 37:38N:0:06:143:59E:0:09, h35km, n20, +0593/30, mb3.5/5, MS3.0/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like JIKH, JIO, JJK, etc.

THR 08 21:31:50.5:0.3, 37:55N:49:56E, h18km, 2km, ML3.6

TEH 08 21:31:50.7, 37:56N:49:57E, h10km, ML3.6

ISC/JB 08 21:31:51.9:0.7, 37:60N:0:02:49:60E:0:04, h18km, 2.7km, mb3.5/5, Error ellipse: s-maj=5.4km s-min=2.3km az=149.8

AZER 08 21:31:53.4:0.1, 37:82N:49:48E, h14km, m3.4/22, Error ellipse: s-maj=8.0km s-min=5.9km az=243.0

IDC 08 21:31:53.5:2.3, 37:87N:49:70E, h0km, mb3.6/5, mb1.3/7.8, mb1mx3.4/45, mbtmp3.6/8, ML3.6/3, Error ellipse: s-maj=36.9km s-min=22.6km az=21.0

ISC 08 21:31:54.0:2.9, 37:57N:0:04:49:53E:0:04, h24km, 25km, n96, +0993/111, mb3.6/5, 23C-18D, Caspian Sea

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

IDC 08 21:39:26.8:7.3, 7:31S:144:25E, h0km, mb3.5/2, mb1.3/6.4, mb1mx4.3/32, mbtmp3.3/4, ML2.8/2, Error ellipse: s-maj=147.7km s-min=39.1km az=93.0, Near south coast of New Guinea

Main table with columns: BRDA, PQL, PIR, etc. Lists stations and their coordinates and times.

IDC 08 21:46:07.0:0.3, 14:82S:0:04:167:25E:0:05, h129km, mb4.8/61, Error ellipse: s-maj=7.5km s-min=4.5km az=159.9

IDC 08 21:46:08.0:0.8, 14:80S:167:31E, h115km, 5km, mb4.3/20, mb1.4/21, mb1mx4.1/52, mbtmp4.7/21, MS3.0/2, Ms1.3/0.2, ms1mx2.6/25, Error ellipse: s-maj=15.8km s-min=12.6km az=76.0

BJJ 08 21:46:07.7, 14:59S:167:17E, h121km, mb4.6/23, mb4.9/15

NEIC 08 21:46:07.0:1.0, 14:74S:167:28E, h117km, 6km, mb4.9/26, Error ellipse: s-maj=6.9km s-min=4.2km az=62.0

ISC 08 21:46:08.4:0.5, 14:78S:0:05:167:23E:0:07, h129km, n103, +1942/111, mb4.9/1, 1D, Vanuatu Islands

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

Table with columns: HNR, LHI, EIDS, etc. Lists stations and their coordinates and times.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OGRG Ongureny, SYVR Suvo, TRTB Turuntaevo, etc.

SJA 09 00:00:41.4+0.7, 28.18S:69.00W, h12km, ML2.7, MW2.9
ISC 09 00:00:38.8+1.1, 28.17S:0.03:68.97W, 0.03, h16km, 12km,
n20, r155/35, 2C-3D, La Rioja Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VCA Vinchina, G003 Copiap, AGUA GUANDACOL, etc.

DSN 09 00:13:47.2, 9.29:48N:58:35E, h11km, ML4.4/12, Error ellipse: s-maj=66.6km s-min=13.8km az=45.0
NEIC 09 00:14:06.0, 0.0, 27:91N:56:90E, h14km, mb4.3/18, ML4.4(THR), After THR.
THR 09 00:14:06.4, 0.4, 27:91N:56:90E, h14km, 11km, ML4.4
MOS 09 00:14:08.4, 0.8, 28:03N:57:35E, h26km, mb4.3/26, Error ellipse: s-maj=9.0km s-min=6.0km az=97.1
ISCJB 09 00:14:09.8, 0.2, 28:06N:02:57:37E, 0.03, h30km, mb4.2/45, MS3.2/9, Error ellipse: s-maj=3.9km s-min=2.8km az=11.5
OMAN 09 00:14:10.3, 0.5, 28:13N:57:54E, h21km, Error ellipse: s-maj=17.8km s-min=5.4km az=255.0
TEH 09 00:14:11.9, 28:07N:57:22E, h20km, ML4.3
IDC 09 00:14:13.4, 4.3, 28:04N:57:28E, h57km, 39km, mb3.7/22, mb1.3/8/26, mb1mx3.7/5, mbtmp4.0/26, ML3.7/4, MS3.1/10, mb1.3/10, ms1mx2.8/48, Error ellipse: s-maj=20.7km s-min=12.6km az=170.0
ISC 09 00:14:10.4, 0.4, 28:01N:0:04:57:36E, 0.04, h30km, n190, r176/193, mb4.2/45, MS3.1/9, 6D, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NIAN Nian, GENO Geno, NGRK Negar Kerman, CHMN Cheshme madani, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZHSF Zahedan, ASHO Ashiyah, FAQ Al Faqa, ASUD Al Ashush, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSH, NEY, KBZ, EIL, KVAR, KIV, AAK, AAK, AAK, NRR, NRR, NRR, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like BFO Black Forest, CLL Collim, SUW Suwalki, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MK01 Makanchi Array, ZALV Zalesovo Beam, DGZ Jazzator, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like PB06 IPOC Station P, PB01 IPOC Station P, etc.

NIED 09 01:29:00, 37.90N, 143.50E, h5km, Mw3.6. Best double couple: M3.26000x1014 NP1.81.00000, delta2.00000, lambda-6.00000, NP2.3174.00000, delta6.00000, lambda-142.00000.

ICD 09 01:29:44.2z 1.4, 37.84N, 143.85E, h0km, mb3.5/6, mb1 3.7/8, mb1mx3.5/54, mbtmp3.5/8, ML3.5/1, MS2.9/2, Ms1 3.0/2, ms1mx2.3/6.2, Error ellipse: s-maj=31.6km s-min=26.4km az=66.0.

ISCJB 09 01:29:46.2z 0.7, 37.88N, 0.04, 143.57E, h19km, mb3.5/6, MS3.2/1, Error ellipse: s-maj=7.2km s-min=6.1km az=177.3.

JMA 09 01:29:48.1z 0.2, 37.88N, 143.52E, h46km, M3.8. ISC 09 01:29:47.2z 1.0, 37.86N, 0.05, 143.61E, h19km, n26, s1856.35, mb3.5/6, Off east coast of Honshu

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JIKM Kesennumototy, etc.

IDC 09 01:32:34.0z 2.9, 38.11N, 144.20E, h0km, mb3.3/3, mb1 3.5/4, mb1mx3.2/54, mbtmp3.3/4, ML3.4/1, Error ellipse: s-maj=69.4km s-min=37.0km az=69.0.

ISCJB 09 01:32:41.1z 1.2, 37.84N, 0.05, 143.74E, h0.0, h5km, mb3.3/2, Error ellipse: s-maj=11.5km s-min=7.9km az=15.1.

JMA 09 01:32:41.5z 2.4, 37.83N, 0.07, 143.8E, h142km, n24km, n17, n19, 20/29, Off east coast of Honshu

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JIKM Kesennumototy, etc.

IDC 09 01:35:33.4z 1.5, 4.09N, 95.67E, h0km, mb3.9/8, mb1 3.9/9, mb1mx3.7/47, mbtmp3.8/9, ML3.2/1, MS2.4/1, Ms1 2.6/1, ms1mx2.1/56, Error ellipse: s-maj=63.4km s-min=16.6km az=52.0.

NEIC 09 01:35:34.5z 0.5, 3.98N, 95.51E, h10km, mb4.2/5, Error ellipse: s-maj=14.1km s-min=7.1km az=224.0.

ISCJB 09 01:35:38.5z 0.5, 4.09N, 0.07, 95.69E, h0.5, h5km, mb4.0/13, Error ellipse: s-maj=12.1km s-min=5.2km az=43.3.

DJA 09 01:35:41.9,0.8,4.7N,3.6E, h10km, M3.6/7, MLV3.6/7
ISC 09 01:35:40.1,0.7,4.02N,0.05,95.72E,0.08, h51km, n35,
s=120/37, mb4.1/13, Northern Sumatera

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

IDC 09 01:56:39.6,2.2,37.76N,144.19E, h0km, mb3.3/3,
mb1 3.5/4, mb1mx3.2/61, mbtmp3.3/4, ML3.2/1, Error
ellipse: s-maj=47.6km s-min=33.5km az=63.0

ISCJB 09 01:56:43.4,1.0,37.85N,0.06,143.96E,0.07, h33km,
mb3.4/3, Error ellipse: s-maj=9.4km s-min=8.2km az=24.2

JMA 09 01:56:44.3,0.2,37.86N,143.86E, h43km, M3.3
ISC 09 01:56:44.8,1.4,37.86N,0.07,143.98E,0.09, h35km, n14,
s=145/24, mb3.5/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the IDC 09 01:56:44.8 event.

MAN 09 02:01:43.5,9.98N,126.24E, h7km, mb4.3, ML3.2, MS2.9,
2D, Mindanao

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the MAN 09 02:01:43.5 event.

IDC 09 02:08:50.2,7.2,30.64S,178.76W, h0km, mb3.6/2,
mb1 3.9/2, mb1mx3.6/19, mbtmp3.6/2, Error ellipse:
s-maj=293.2km s-min=59.8km az=156.0, Kermadec
Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the IDC 09 02:08:50.2 event.

IDC 09 02:11:32.6,2.8,4.43S,152.61E, h0km, mb3.4/3,
mb1 3.6/3, mb1mx3.4/24, mbtmp3.4/3, Error ellipse:
s-maj=93.2km s-min=30.5km az=106.0, New Britain
region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the IDC 09 02:11:32.6 event.

IDC 09 02:26:11.8,1.1,37.81N,144.27E, h0km, mb3.6/7,
mb1 3.7/8, mb1mx3.5/46, mbtmp3.6/8, ML3.4/1, Error
ellipse: s-maj=30.0km s-min=21.5km az=81.0
ISCJB 09 02:26:15.1,0.8,37.94N,0.06,143.85E,0.07, h33km,
mb3.7/7, Error ellipse: s-maj=8.4km s-min=7.5km az=25.1
JMA 09 02:26:16.3,0.2,37.94N,143.73E, h43km, M3.3

ISC 09 02:26:17.3,1.0,37.93N,0.06,143.84E,0.08, h35km, n22,
s=207/27, mb3.5/7, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the ISC 09 02:26:17.3 event.

NIED 09 02:34:00.37,80N,143.40E, h8km, Mw5.2 Best double
couple: M6.11000,1016, NP13,18.00000, 832.00000,
1-89.00000, NP23,197.00000, 858.00000,
1-90.00000

IDC 09 02:34:14.0,0.3,37.71N,143.70E, h0km, mb5.0/46,
mb1 5.1/53, mb1mx5.1/63, mbtmp5.0/53, ML4.5/6, MS4.4/30,
Ms1 4.5/30, ms1mx4.2/58, Error ellipse: s-maj=10.6km
s-min=7.9km az=114.0

ISCJB 09 02:34:14.7,0.6,37.78N,0.02,143.59E,0.02, h15km, 4km,
mb5.2/420, MS4.6/134, Error ellipse: s-maj=2.9km
s-min=1.9km az=164.3

MOS 09 02:34:16.3,0.9,37.83N,143.64E, h23km, mb5.4/132,
MS4.6/93, s=13.0, Error ellipse: s-maj=5.6km s-min=3.7km
az=106.0

JMA 09 02:34:16.9,0.2,37.88N,143.57E, h42km, M5.2
JMA Felt J1

NEIC 09 02:34:17.1,0.5,37.74N,143.62E, h19km, 2km, mb5.3/297,
MS4.5/81, MWS1.1, Error ellipse: s-maj=2.2km s-min=1.5km
az=143.0, Moment Tensor Solution. s11 Moment 1016N;
Scale 1016N; Mr=0.03; Mw=0.65; Mw0.58; Mw1.51;
Mw0.130; Mw2.44; Best double couple: M6.20000,1016
NP13,359.00000, 833.00000, 1-110.00000, NP2:
e2,202.00000, 859.00000, 1-78.00000. Principal axes:
T: 6.5600, Plg13.0000, Azm283.0000, N: -0.7100,
Plg11.0000, Azm16.0000, P: -5.8500, Plg73.0000,
Azm143.0000

NEIC Recorded [1 JMA] in Fukushima and Miyagi.
GCMT 09 02:34:19.1,0.1,37.91N,0.01,143.58E,0.01, h12km,
MWS2/120, Moment Tensor Solution. s78 c117;
s120, c217; Duration: 101 Moment tensor: Scale 1017
Nm; Mr=0.672,01; Mw0.036,01; Mw0.64,01;
Mw0.29,03; Mw0.20,01; Mw0.20,03; Best double
couple: M0.77200,1017 NP13,213.00000, 858.00000,
1-72.00000, NP23,197.00000, 836.00000, 1-116.00000.
Principal axes: T: 0.7590, Plg12.0000, Azm290.0000,
N: 0.0270, Plg15.0000, Azm23.0000, P: -0.7850,
Plg71.0000, Azm160.0000, nsta refers to body waves,
cutoff=40s, nsta refers to surface waves, cutoff=50s.
Triangular moment-rate function

BUI 09 02:34:20.2,38.02N,143.16E, h30km, mb5.2/77, mb5.3/57,
MS5.0/84, MS7.4/975

ISC 09 02:34:18.0,0.4,37.79N,0.03,143.66E,0.03, h26km, 2km,
h26km, pp-P, n1276, s1313/1324, mb5.2/435, MS4.6/136,
51C-34D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the ISC 09 02:34:18.0 event.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the ISC 09 02:34:18.0 event.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the ISC 09 02:34:18.0 event.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the ISC 09 02:34:18.0 event.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Willamette Mer, Wamic, OR, Tendick Farm, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like GOF, Gofitskoye, MSO, Missoula, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like HATD, Earthquake Lak, ASHO, etc.

2012 DEC

9d 2h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like BAYB, HWUT, DUG, FRB, BNGL, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like BIZ, PV23, PV10, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Q24A, Q24A, PSZ, etc.

Table with columns: Call sign, Station name, Frequency, Power, Mode, and other technical details. Includes stations like T42A Van Buren, R45A Warren Harvey, Q44A Wartonville, etc.

Table with columns: Call sign, Station name, Frequency, Power, Mode, and other technical details. Includes stations like V47A Nunnely, S50A Richmond, Y44A Strickland, etc.

Table with columns: Call sign, Station name, Frequency, Power, Mode, and other technical details. Includes stations like PTGA Pitinga, SNA A Sanae, SNA B Sanae, etc.

Table of astronomical observations for 9d 4h, listing stations like BILL, BILBINO, BILBINO, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2012 DEC, listing stations like NWAO Narrogin (SRO), DLBC Dease Lake, LVZ Lovozero, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2012 DEC, listing stations like JMA 09:03:49:25.9, etc., with columns for station name, coordinates, and observation details.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like mb4.7/19, NEIC 09 06:03, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Ave Averoes, PMAFR Mafrá, EGRO El Granado, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LAGR Lagunnoye, GRPR Tuman, NEM2 Nemuro 2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like YLYR Turuntaevo, OGRR Ongureny, STDB Stepnoy Dvoret, etc.

MOS 09 06:38:56.6±0.6, 44.36N; 148.17E, h43km, mb4.5/1, Error ellipse: s-maj=16.0km s-min=12.5km az=138.4

MOS 09 06:47:01.2±1.5, 49.18N; 117.12E, h18km, mb4.0/2, Error ellipse: s-maj=17.4km s-min=14.0km az=160.8

MOS 09 06:47:04.0±1.0, 49.10N; 117.28E, h10km, mb3.9/1, ML4.0/8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KUR Kuril'sk, SHO Shikotan, YUK Yuzh-Kuril'sk, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HIA Hailar, KPC Khapcheranga, TUP Tupik, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BGT Kirovskiy, NIZ Nizh Angarsk, LSTR Listvyanka, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like MJAR, MAJO, MAT, MJB9, etc.

IDC 09 08:57:26.1, 3.7, 37.66N, 144.14E, h0km, mb3.5/3, mb1.3, 8/5, mb1mx3.5/42, mbtrmp3.5/5, ML3.4/2, Error ellipse: s-maj=45.7km s-min=24.9km az=107.0

JMA 09 08:57:30.4, 0.1, 37.86N, 143.88E, h45km, M3.3, ISC 09 08:57:31.9, 4.3, 37.87N, 143.93E, 0.07, h41km, 32km, n20, c156/28, mb3.6/3, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like JIKH, JIO, JKMT, etc.

DJA 09 09:16:22.6, 1.3, 8.5, 7.107E, h23km, 8km, M3.7/8, ML3.7/8, Jawa

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like SKJ, DBJ, CIB, etc.

SOME 09 09:25:55.7, 43.45N, 82.27E, h20km, NNC 09 09:26:01.7, 4.4, 43.53N, 81.95E, h0km, mb2.7, mpv2.4, Error ellipse: s-maj=43.8km s-min=17.9km az=139.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like KTM, KTMS, SHLS, etc.

MOS 09 09:50:18.7, 2.1, 49.56N, 156.94E, h49km, mb4.2/1, Error ellipse: s-maj=44.3km s-min=5.8km az=81.6

KRSC 09 09:50:18.1, 6.1, 49.56N, 156.94E, h49km, 24km, ML4.0, Kuril Islands

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

NIED 09 09:58:00, 38.20N, 143.80E, h8km, Mw4.1 Best double couple: M1.70000x1015 N1.100x56.00000, d3.400000, lambda=18.00000, NP2.0x159.00000, 678.00000, lambda=131.00000

IDC 09 09:58:36.5, 0.6, 38.11N, 143.88E, h0km, mb4.0/17, mb1.4, 2/24, mb1mx4.1/41, mbtrmp4.0/24, ML3.5/7, MS3.1/7, h5km=13.4km az=136.0

ISC 09 09:58:37.7, 1.3, 38.22N, 143.73E, 0.03, h15km, gkm, mb4.2/37, Error ellipse: s-maj=6.0km s-min=4.1km az=154.0

MOS 09 09:58:38.6, 1.3, 38.27N, 143.77E, h23km, mb4.3/19, Error ellipse: s-maj=10.4km s-min=6.8km az=81.1

JMA 09 09:58:38.7, 0.1, 38.22N, 143.80E, h42km, M4.5, NEIC 09 09:58:42.2, 0.3, 38.18N, 143.75E, h35km, mb4.4/19, Error ellipse: s-maj=10km s-min=4.7km az=150.0

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

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

9d 10h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details for various stations.

NIED 09:10:33.00, 38.10N, 143.90E, h5km, Mw4.3 Best double...
JMA 09:10:13.39, 1.0, 1.38, 0.08N, 143.93E, h41km, M4.6
ISCJB 09:10:13.40, 9.0, 2.38, 0.09N, 143.43E, h33km

Main table of station data with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

2012 DEC

Main table of station data for the 2012 DEC section, including codes like PEA1, ZEA, HIA, MA2, SEY, etc.

466

Main table of station data for the 466 section, including codes like AAK, AAK, AAK, SVE, SVE, etc.

9d 11h

OFUJ		eS	Sn	11 47 54.2 +0.1
JKMT	Kesennumamotoy	1.83 288	P	11 47 32.1 -0.3
JKMT		eS	Pn	11 47 54.8 -0.4
JIO	Ouri	1.86 276	P	11 47 32.4 -0.5
JIO		eS	Pn	11 47 54.4 -0.5
JMK	Ichinoseki	2.06 290	P	11 48 18.3 +1.6
JOM	Ohasama	2.23 303	P	11 47 38.1 +0.1
JOM		eS	Pn	11 48 05.6 +0.4
JANG	Nango	2.70 322	P	11 47 44.2 -0.2
JANG		eS	Pn	11 48 16.3 -0.4
JYK	Kaneyama	2.70 285	P	11 47 44.9 +0.5
JYK		eS	Pn	11 48 18.3 +1.6
JFT	Okata	2.77 255	P	11 47 45.4 +0.1
JFT		eS	Pn	11 48 18.1 -0.3
JNS	Sasagawa	3.50 264	P	11 47 55.9 +0.6
JAW	Awa shima	3.51 274	P	11 47 56.5 +1.0
JOT	Ohata	3.72 327	P	11 47 59.8 +1.4
ERM	Erimo	3.76 354	ePn	11 47 59.0 0.0
ERM		eS	Pn	11 48 40.8 -2.0
ERM	Erimo	3.76 354	eP	11 47 59.0 0.0
ERM		eS	Pn	11 48 40.8
JAG	Ashikaga	3.86 243	P	11 47 59.1 -1.2
JAG		eS	Pn	11 48 42.9 -2.3
JNBK	Urakawa-nobuka	4.07 350	P	11 48 03.1 -0.1
JNBK		eS	Pn	11 48 49.2 -1.2
JKB	Kayabe	4.16 331	P	11 48 04.3 0.0
JKB		eS	Pn	11 48 50.4 -2.1
ESOI	Boso 1	4.23 212	P	11 48 02.2 -2.7
ESOI		eS	Pn	11 48 49.5 -4.0
JCH	Churui	4.35 357	P	11 48 06.2 -0.8
JCH		eS	Pn	11 48 54.5 -2.7
JRY	Ryogami san	4.45 241	P	11 48 07.2 -1.3
JRY		eS	Pn	11 48 57.4 -2.4
MJAR	Matsushiro Arr	4.71 250	eP	11 48 12.6 +0.6
MJAR		eS	Pn	11 49 07.5 +1.4
MJAR	12nm,0.3s,baz=66,slow=8.8,SNR=145		Sn	
MJAR	5.5nm,0.3s,baz=340,slow=22,SNR=4.0		Sn	
MJAR	comp=Z,2um,18.3s,baz=70,slow=44		LR	11 50 30.2
MAJO	Matsushiro	4.71 250	ePn	11 48 13.0 +1.0
MAJO		eS	Pn	11 49 07.5 +1.4
MAJO	Matsushiro	4.71 250	eP	11 48 13.0 +1.0
MAJO		eS	Pn	11 49 07.5
MAT	Matsushiro	4.71 250	P	11 48 13.0 +1.0
MAT		eS	Pn	11 49 05.3 -0.9
MJB9	Matsu-Tunnel	4.71 250	ePn	11 48 12.9 +0.9
JOD2	Odawara 2	4.77 232	P	11 48 10.9 -1.9
JOD2		eS	Pn	11 49 03.0 -4.7
ASAJ	Asahikawa	5.90 352	ePn	11 48 28.8 +0.4
ASAJ		eS	Pn	11 49 05.5 +0.1
YUK	Yuzh-Kuril'sk	5.98 15d	iP	11 48 27.3 -2.2
YUK		eS	Pn	11 49 31.3 -6.2
YUK	comp=N,86nm,0.3s		pmx	pmx
YUK	comp=E,64nm,0.3s		pmx	pmx
YUK	comp=Z,245nm,0.3s		pmx	pmx
JHJ2	Mitsue	6.04 213	ePn	11 48 27.7 -2.6
JHJ	Hachijo jima 2	6.05 213	Pn	11 48 26.8 -3.6
JHJ	comp=Z,14nm,0.3s,baz=116,slow=19,SNR=9.3		Sn	11 49 31.2 -8.0
JHJ	comp=Z,44nm,0.3s,baz=87,slow=22,SNR=6.0		LR	11 50 55.9
SHO	Shikotan	6.07 22	iP	11 48 28.0 -2.7
SHO		eS	Pn	11 49 33.1 -6.6
SHO	comp=Z,158nm,0.5s		pmx	pmx
SHO	comp=N,49nm,0.4s		pmx	pmx
SHO	comp=E,66nm,0.4s		pmx	pmx
INU	Inuyama	6.11 244	ePn	11 48 31.4 +0.2
KUR	Kuril'sk	7.62 23	eP	11 48 50.0 -1.9
KUR		eS	Pn	11 50 11.8 -6.0
KUR	comp=Z,123nm,0.4s		pmx	pmx
KUR	comp=N,38nm,0.3s		pmx	pmx
KUR	comp=E,50nm,0.2s		pmx	pmx
TEY	Ternei	8.60 324	eP	11 49 08.5 +3.2
TEY		eS	Pn	11 49 09.8 +2.9
YSS	Yuzh-Sakhalins	8.71 356	ePn	11 49 07.3 +0.5
YSS		eS	Pn	11 49 33.1 +0.5
YSS	comp=Z,70nm,1.0s		pmx	pmx
USRK	Ussuriysk Ar.	10.62 308	Pn	11 49 34.9 +1.8
USRK		eS	Pn	11 53 34.2
USRK	comp=Z,341nm,20.5s,baz=114,slow=15,SNR=18		LR	11 53 34.2
USA0B	Ussuriysk Arra	10.62 308	ePn	11 49 36.4 +3.3
CBJ	Chichi jima	11.22 187	ePn	11 49 42.6 +1.3
JNU	Nakatsue	11.62 248	Pn	11 49 46.4 -0.5
JNU	comp=Z,0.5nm,0.3s,baz=103,slow=4.0,SNR=7.2		Sn	11 54 39.2
JNU	comp=Z,923nm,19.4s,baz=62,slow=39		Pn	11 49 47.8 +0.9
MDJ	Mudanjiang	12.34 305	P	11 49 59.2 +2.7
MDJ		eS	Pn	11 54 39.2
MDJ	comp=Z,34nm,1.0s		pmx	pmx
MDJ	comp=Z,440nm,3.3s		pmx	pmx
MDJ	Mudanjiang	12.34 305	ePn	11 49 59.3 +2.7
KSR5	Korea Array	12.50 271	Pn	11 49 59.6 +0.8
KSR5	comp=Z,0.6nm,0.3s,baz=92,slow=13,SNR=23		LR	11 54 39.6
KSR5	comp=Z,511nm,19.3s,baz=70,slow=36		LR	11 54 39.6
KS01	Wonju Array Si	12.52 271	ePn	11 50 01.3 +2.2
KS15	Wonju Array Si	12.54 271	ePn	11 50 02.1 +2.6
KSAR	Wonju Array Be	12.54 271	Pn	11 49 59.6 +0.3
KSAR	Wonju Array Be	12.54 271	P	11 49 59.6 +0.3
TYV	Tymovskoye	12.61 357	eP	11 49 51.6 -8.7
TYV		eS	Pn	11 50 01.3 +2.2
GRNR	Gornyy	13.52 340	eP	11 50 12.8 +0.1
GRNR		eS	Pn	11 50 12.8 +0.1
GRNR	comp=Z,14nm,0.8s		pmx	pmx
KLR	Kul'dur	13.93 326	Pn	11 50 18.4 +0.1
KLR	comp=Z,0.2nm,0.3s,baz=144,slow=12,SNR=7.9		P	11 50 18.4 +0.1
CN2	Changchun	14.84 298	eP	11 50 34.3 -2.1
CN2		eS	Pn	11 50 34.3 -2.1
CN2	comp=Z,10.0nm,0.5s		pmx	pmx
SNY	Shenyang	15.81 289	iP	11 50 43.8 +0.3
SNY		eS	Pn	11 53 30.1 -8.2
SNY		eS	Pn	11 53 30.1 -8.2
SNY	comp=Z,36nm,1.4s		pmx	pmx
SNY	comp=Z,250nm,5.3s		pmx	pmx
SNY	comp=N,1um,16.9s		LR	LR
SNY	comp=E,790nm,5.5s		LR	LR
DL2	Dalian	17.27 279	P	11 51 01.0 -1.0
DL2		eS	Pn	11 54 13.6 -0.2
DL2	comp=Z,68nm,1.0s		LR	LR
DL2	comp=N,610nm,16.3s		LR	LR
DL2	comp=E,380nm,17.5s		LR	LR
JOW	Kunigami	17.27 233	LR	11 58 28.1
JOW	comp=Z,520nm,13.7s		LR	11 58 28.1
PETK	Petrovavlovsk	17.72 29	LR	11 57 45.1
PETK	comp=Z,203nm,18.3s,baz=42,slow=40		LR	11 57 45.1
PETK	comp=Z,122nm,21.9s,baz=215,slow=36		LR	11 57 45.1
PETK	Petrovavlovsk	17.72 29	ePn	11 51 08.7 +0.4
PETK	Petrovavlovsk	17.72 29	eP	11 51 08.7 +0.4
ZEA	Zeya	19.16 329	eP	11 51 24.7 +0.6
ZEA		eS	Pn	11 51 24.7 +0.6
ZEA	comp=N,47nm,1.0s		pmx	pmx
ZEA	comp=Z,59nm,1.0s		pmx	pmx
HIA	Hailar	20.41 310	eP	11 51 36.8 -1.1
HIA	comp=Z,13nm,0.6s		P	11 51 36.8 -1.1
HIA	Hailar	20.41 310	eP	11 51 36.8 -1.1
HIA		eS	Pn	11 51 36.8 -1.1
HIA	comp=Z,13nm,0.6s		pmx	pmx
NJ2	Nanjing	21.21 261	eP	11 51 48.2 +1.6

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NJ2		pmx	pmx	
TIA	comp=Z,14nm,0.5s	21.24 273	P	11 51 46.2 -0.7
TIA	Tai'an		P	11 51 46.2 -0.7
BJI	comp=Z,12nm,1.2s	21.39 283	eP	11 51 46.3 -2.2
BJI	Beijing		P	11 51 46.3 -2.2
BJT	comp=Z,32nm,1.0s	21.40 283	eP	11 51 46.4 -2.2
BJT	Baijiatou		P	11 51 46.4 -2.2
BJT	comp=Z,44nm,1.0s	21.40 283	eP	11 51 46.4 -2.2
BJT	Baijiatou		P	11 51 46.4 -2.2
MA2	Magadan	21.80 10	P	11 51 53.4 +0.8
MA2	comp=Z,29nm,0.8s,baz=189,slow=6.6,SNR=8.3		LR	12 00 21.3
MA2	Magadan	21.80 10	eP	11 51 52.2 -0.4
MA2		eS	Pn	11 51 52.2 -0.4
YULB	Yu-li	24.21 239	eP	11 52 16.6 -0.9
YULB	comp=Z,72nm,1.7s		P	11 52 16.6 -0.9
GUMO	Guam	24.60 177	LR	12 03 15.9
GUMO	comp=Z,19nm,18.3s,baz=4.0,slow=40		LR	12 03 15.9
HHC	Hu-ho-hao-te	24.84 286	eP	11 52 24.3 +1.0
HHC		eS	Pn	11 56 41.6 -3.8
HHC	comp=Z,52nm,0.9s		pmx	pmx
HHC	comp=Z,210nm,4.0s		pmx	pmx
HHC	comp=N,420nm,10.9s		LR	LR
HHC	comp=E,460nm,11.3s		LR	LR
HHC	comp=Z,490nm,10.8s		LR	LR
SEY	Seymchuk	25.25 9	eP	11 52 27.1 +0.5
SEY	Yakutsk	25.31 345	eP	11 52 27.1 +0.5
YAK		eS	Pn	11 52 33.1 -1.4
YAK		eS	Pn	11 53 03.8
YAK		eS	Pn	11 56 50.2 -2.0
YAK		eS	Pn	12 03 27.7
YAK	comp=Z,39nm,0.9s		pmx	pmx
YAK	comp=N,13nm,0.9s		pmx	pmx
YAK	comp=E,5.0nm,1.1s		pmx	pmx
YAK	comp=Z,178nm,3.5s		pmx	pmx
YAK	comp=N,143nm,3.3s		pmx	pmx
YAK	comp=E,121nm,3.0s		smx	smx
YAK	comp=N,342nm,3.0s		smx	smx
YAK	comp=E,198nm,3.0s		MLR	MLR
YAK	comp=Z,236nm,18.0s		MLR	MLR
YAK	comp=E,76nm,15.0s		MLR	MLR
YAK	comp=N,174nm,17.0s		MLR	MLR
WHN	Wuhan	25.34 261	iP	11 52 28.4 +0.7
H11N2	WAKE ISLAND Hy	27.31 126	T	12 21 17.6
H11N2	baz=318,slow=76,SNR=14		T	12 21 17.6
H11N1	WAKE ISLAND Hy	27.32 126	T	12 21 21.6
H11N1	baz=318,slow=76,SNR=13		T	12 21 21.6
H11N3	WAKE ISLAND Hy	27.32 126	T	11 52 18.8
H11N3	baz=318,slow=76,SNR=13		T	11 52 18.8
BOD	Bodaibo	27.51 325	eP	11 52 47.9 +0.8
BOD		eS	Pn	11 52 47.9 +0.8
H11S1	WAKE ISLAND Hy	28.09 128	T	12 22 14.5
H11S1	baz=320,slow=76,SNR=6.3		T	12 22 14.5
H11S3	WAKE ISLAND Hy	28.09 128	T	12 22 23.6
H11S3	baz=320,slow=76,SNR=6.2		T	12 22 23.6
H11S2	WAKE ISLAND Hy	27.12 128	T	12 22 16.4
H11S2	baz=320,slow=76,SNR=5.7		T	12 22 16.4
ULN	Ulanbatar	28.21 302	eP	11 52 54.5 +0.9
ULN	comp=Z,9.8nm,1.0s		P	11 52 54.5 +0.9
ULN	Ulanbatar	28.21 302	eP	11 52 55.2 +1.6
ULN		eS	Pn	11 52 55.2 +1.6
XAN	Xi'an	28.30 272	P	11 52 55.4 +1.0
XAN		eS	Pn	11 53 01.9 +0.1
XAN	comp=Z,14nm,0.8s		pmx	pmx
XAN	comp=N,450nm,16.3s		LR	LR
XAN	comp=E,240nm,13.4s		LR	LR
XAN	comp=Z,300nm,16.3s		LR	LR
SONA1	Songino Array	28.64 302	eP	11 52 58.9 +1.4
SONA0	Songino Array	28.65 302	eP	11 52 59.0 +1.5
SONM	Songino Array	28.65 302	eP	11 52 59.0 +1.5
SONM	comp=Z,4.6nm,0.9s,baz=96,slow=8.9,SNR=25		LR	12 04 22.1
ENH	Enshi	29.26 265	eP	11 53 01.8 -1.1
ENH	comp=Z,48nm,0.8s		P	11 53 01.8 -1.1
TLY	Talaya	30.94 309	P	11 53 20.6 +3.0
TLY	baz=90,slow=20,SNR=2.9		P	11 53 20.6 +3.0
TLY	Talaya	30.94 309	eP	11 53 23.9 +6.3
TLY		eS	Pn	11 53 23.9 +6.3
TLY	comp=Z,16nm,1.1s		MLR	MLR
TLY	comp=Z,203nm,17.0s		MLR	MLR
ZAK	Zakamensk	30.97 306	eP	11 53 19.0 +1.0
ZAK		eS	Pn	11 53 19.0 +1.0
LZH	Lanzhou	31.67 279	iP	11 53 25.7 +1.3
LZH		eS	Pn	11 53 39.0 +7.2
LZH		eS	Pn	11 53 42.4 +1.3
LZH		eS	Pn	11 54 30.6 +2.4
LZH	comp=Z,37nm,1.5s		pmx	pmx
LZH	comp=Z,160nm,5.8s		pmx	pmx
LZH	comp=N,610nm,16.3s		LR	LR
LZH	comp=E,600nm,15.7s		LR	LR
LZH	comp=Z,590nm,16.3s		LR	LR
BILL	Bilibino	32.34 16	eP	11 53 30.1 +0.5
BILL		eS	Pn	11 53 29.5 -0.2
BILL	Bilibino	32.34 16	eP	11 53 29.5 -0.2
BILL		eS	Pn	11 53 29.5 -0.2
CD2	Chengdu	33.50 270	P	11 53 39.7 -0.6
CD2	comp=Z,18nm,1.7s		P	11 53 39.7 -0.6
GTA	Gaotai	33.96 286	iP	11 53 44.4 +0.1
GTA				

Table with columns: SBA, Scott Base, 48.17 177 eP, P, 12 47 20.7 +1.1, etc. Includes various station names like Vanda, Vnda, Vnda, etc.

Table with columns: G08A, Pilot Rock, 139.65 284 ePKPdf, PKPdf, 12 58 07.2 +0.1, etc. Includes stations like HIA, HIA, HIA, etc.

JMA 09 12:48:33.9.0.1, 37.36N x 143.73E, h50km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Includes stations like JIKH, IJIKH, JIO, etc.

ISCJB 09 13:04:07.7.0.4, 52.86N, 03:132.29W, 0.06, h27km, 2km, mb4.0/6, MS3.5/1, Error ellipse: s-maj=7.5km s-min=2.5km az=138.1

IDC 09 13:04:07.2.1.1, 52.80N, 132.26W, h0km, mb3.8/4, mb1 3.8/9, mb1mx3.6/37, mbtmpt3.6/9, ML3.7/5, MS3.1/5, Ms1 3.1/5, ms1mx2.8/43, Error ellipse: s-maj=16.1km s-min=5.4km az=51.0

PGC 09 13:04:08.3.0.5, 52.85N, 132.32W, h24km, ML4.1/17, Mw4.1, 55km southwest of Sandspit, Bc Haida Gwaii Region

NEIC 09 13:04:09.9.1.3, 52.89N, 132.41W, h19km, 6km, mb4.3/3, Mw4.1 (OTT), Error ellipse: s-maj=12.0km s-min=3.6km az=225.0

ISC 09 13:04:08.1.1.1, 52.81N, 03:132.41W, 0.05, h15km, 6km, n100, e1962/116, mb4.2/6, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Includes stations like H01B, H01B, H01B, etc.

Table with columns: WHY, Fort Nelson, 8.06 37 Sn, Sn, 13 07 29.9 -3.7, etc. Includes stations like FNNB, FNNB, FNNB, etc.

Table with columns: NEW, Newport, 10.74 109 LR, LR, 13 06 42.9 +1.5, etc. Includes stations like G06A, G06A, G06A, etc.

Table with columns: SVA, Sushitna One, 13.15 318 eP, Pn, 13 07 14.5 +0.2, etc. Includes stations like YUKA, YUKA, YUKA, etc.

Table with columns: YKW1, Yellowknife Ar, 13.58 37 Pn, Pn, 13 07 18.8 -1.2, etc. Includes stations like YKW3, YKW3, YKW3, etc.

Table with columns: PDAR, Pinedale Array, 18.28 114 Pn, P, 13 08 25.4 +3.8, etc. Includes stations like ULM, ULM, ULM, etc.

Table with columns: ECTD, EROS Data Cent, 25.27 97 eP, P, 13 09 35.5 +1.9, etc. Includes stations like LXSA, LXSA, LXSA, etc.

Table with columns: H11N2, WAKE ISLAND HY 56.87 259 T, T, 14 15 37.6, etc. Includes stations like H11N1, H11N1, H11N1, etc.

Table with columns: ZAA1, Zalesovo Array, 69.18 338 eP, P, 13 15 14.2 +0.6, etc. Includes stations like ZALV, ZALV, ZALV, etc.

Table with columns: MK31, Makanchi Array, 76.43 336 eP, P, 13 15 57.0 +0.2, etc. Includes stations like MKAR, MKAR, MKAR, etc.

Table with columns: MK01, Makanchi Array, 76.43 336 eP, P, 13 15 57.0 +0.1, etc. Includes stations like MAK2, MAK2, MAK2, etc.

Table with columns: NIED 09 13:30:00, 37.60N, 143.60E, h5km, Mw4.1 Best double couple: Mo1.34000x10^15 NP1.0x190.00000, etc.

Table with columns: MOS 09 13:30:39.3.1.3, 37.62N, 143.88E, h23km, mb4.4/11, Error ellipse: s-maj=10.8km s-min=4.0km az=98.6

Table with columns: JMA 09 13:30:40.7.0.2, 37.57N, 143.64E, h5km, M4.1, etc. Includes stations like JSCJB, JSCJB, JSCJB, etc.

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

ISC 09 14:38:44.5:0.8, 42.32N:0.05:143.11E:0.05, h57km, 7km, n47, c123/55, mb3.9/10, 3C-4D, Hokkaido region

ISC 09 14:42:16.4:0.7, 37.83N:0.04:144.06E:0.04, h26km, 4km, n359, c1974/386, mb4.7/159, MS4.2/31, 9C-5D, Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists seismic stations and their characteristics for the 9d 14h event.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists seismic stations and their characteristics for the 2012 DEC event.

Table with columns: ZEA, comp=N, 1um, 17.0s, MLR, MLR, Nanjing, 21.43 262, eP, P, 14 47 00.9 -1.5, etc. Lists various seismic parameters and station data.

NIED 09 14:42:00, 37.80N:143.80E, h5km, Mw4.8. Best double couple: Mo:1.91000e+1016, NP1:30.00000e, Δ27.00000°, λ:89.00000°. NP2:209.00000e, Δ63.00000°, λ:90.00000°.

ISC 09 14:42:12.3:0.4, 37.74N:144.04E, h0km, mb4.3/26, mb1.4/32, mb1mx4.4/51, mbtmp4.3/32, ML4.0/5, MS4.0/21, Ms1.4/0.21, ms1mx3.6/37, Error ellipse: s-maj=12.6km s-min=1.13km az=172.8.

MOY Mody, 33.06 309, eP, P, 14 48 59.8 +1.0, GYA Guiyang, 33.43 261, eP, P, 14 48 53.2 -0.1, etc. Lists additional seismic parameters and station data.

QIZ	comp=Z,490nm,9.0s	LR	LR		
KMI	Kunning	37.16 262	P	P	14 49 25.3 -0.3
KMI			pP	sP	14 49 36.7 +0.2
KMI			sp	pP	14 49 40.7 +7.4
KMI	comp=Z,13nm,1.1s			pmax	
KMI	comp=Z,99nm,3.8s			pmax	
KMI	comp=Z,230nm,16.2s		LR	LR	
KMI	comp=Z,430nm,14.2s		LR	LR	
KMI	comp=Z,450nm,23.4s		LR	LR	
HVS	Khov-Akxy	37.58 307	iP	pP	14 49 31.5 +2.9
HVS			pmax	pmax	
TNTI	Ternate	39.96 207	eP	P	14 49 47.5 -1.3
TNTI	comp=Z,19nm,1.1s				
NONG	Nongkai	40.76 253	P	P	14 49 56.4 +0.9
NGZ	Jazzator, Alta	41.65 305	iP	pP	14 50 02.5 -0.1
NGZ				pmax	
WMQ	Urumqi	42.37 297	eP	P	14 50 09.8 +1.3
WMQ			pP	sP	14 50 18.9 -0.6
WMQ			sp	S	14 50 24.6 +8.3
WMQ				pmax	14 56 27.3 -0.9
WMQ	comp=Z,440nm,5.7s		LR	LR	
WMQ	comp=Z,100nm,23.3s		LR	LR	
WMQ	comp=Z,380nm,27.5s		LR	LR	
WMQ	comp=Z,470nm,28.7s		LR	LR	
UTTA	Uttaradi	42.92 254	P	P	14 50 15.4 +2.3
UTTA	comp=Z,0nm,0.8s				
ZAAO	Zalesovo Array	42.95 312	eP	P	14 50 12.8 -0.2
ZAAO	comp=Z,6.5nm,0.8s				
ZAAO	Zalesovo Beam	42.95 312	eP	P	14 52 03.0 -0.1
ZAAO	comp=Z,1.9nm,0.7s,baz=97,slow=7.6,SNR=8.3				14 50 13.2 +0.3
ZALV			P	P	14 52 03.0 -0.2
ZALV	comp=Z,3.7nm,0.4s,baz=94,slow=3.2,SNR=12				15 08 45.7
ZALV	comp=Z,449nm,19.0s,baz=70,slow=37		LR	LR	
ZALV	Zalesovo Beam	42.95 312	eP	P	14 50 11.7 -1.2
ZALV	comp=Z,1.9nm,0.7s,baz=97,slow=7.6,SNR=8.3				14 52 02.9 -0.2
ZCHAI	Chaiyaphum	42.96 251	P	P	14 50 13.9 +0.4
ZCHAI	comp=Z,4.3nm,1.0s				
PBKT	Sadao Pong	43.31 253	P	P	14 50 16.9 +0.6
PBKT	comp=Z,13nm,1.3s,comp=Z,791nm				
CMMT	Chiang Mai	43.53 257	P	P	14 50 18.6 +0.5
CMMT	comp=Z,13nm,1.3s				
CHTO	Chiang Mai	43.53 257	eP	P	14 50 16.5 -1.6
CHTO	comp=Z,19nm,1.3s				
CHTO	Chiang Mai	43.53 257	eP	P	14 50 16.5 -1.6
CHTO	comp=Z,19nm,1.3s				
CHTO	Chiang Mai	43.53 257	P	P	14 50 18.7 +0.6
CHTO	comp=Z,56nm,1.3s				
CMAR	Chiang Mai Arr	43.74 257	P	P	14 50 20.1 +0.4
CMAR	comp=Z,2.6nm,0.7s,baz=48,slow=6.3,SNR=19				
CMAR	Chiang Mai Arr	43.74 257	P	P	14 50 20.1 +0.4
CMAR	comp=Z,127nm,19.3s,baz=46,slow=40		LR	LR	15 11 33.7
CMV1	Chiang Mai Arr	43.75 257	eP	P	14 50 19.1 -0.7
CMV1	comp=Z,19nm,1.3s				
NOS	Novosibirsk	43.83 313	eP	pmax	14 50 20.5 +0.5
NVS	comp=Z,13nm,1.6s				
NVS					
SRAK	Srakaeav	44.12 249	P	P	14 50 20.0 -2.8
SRAK	comp=Z,8.0nm,1.5s				
LSA	Lhasa	44.23 276	eP	P	14 50 24.3 +0.1
LSA	comp=Z,3.9nm,0.5s				
LSA	Lhasa	44.23 276	eP	P	14 50 24.3 +0.1
LSA	comp=Z,4.0nm,0.5s				
IM3	Indian Mountai	44.89 31	eP	P	14 50 28.9 +0.6
UTHA	Uthaitani	45.09 253	P	P	14 50 33.9 +3.4
UTHA	comp=Z,2.7nm,1.3s,comp=Z,61nm				
KDAX	Kodiak Island	45.09 43	P	P	14 50 30.3 +0.3
KDAX	comp=Z,1.9nm,0.9s,baz=248,slow=7.8,SNR=7.2				
UMPA	Umpang Tau	45.14 254	P	P	14 50 34.0 +3.0
UMPA	comp=Z,2.9nm,1.0s,comp=Z,898nm				
MK01	Makanchi Array	45.48 302	eP	P	14 50 33.0 -0.4
MK01	comp=Z,3.9nm,0.8s,baz=85,slow=9.9,SNR=39				
MK31	Makanchi Array	45.49 302	eP	P	14 50 33.2 -0.1
MK31	comp=Z,3.9nm,0.8s,baz=85,slow=9.9,SNR=39				
MKAR	Makanchi Array	45.49 302	eP	P	14 50 33.6 +0.2
MKAR	comp=Z,3.9nm,0.8s,baz=85,slow=9.9,SNR=39				
MKAR	Makanchi Array	45.49 302	eP	P	14 50 33.1 -0.3
MKAR	comp=Z,4.4nm,0.8s				
MKAR	Makanchi Array	45.49 302	eP	P	14 50 33.1 -0.3
MKAR	comp=Z,4.4nm,0.8s				
SHL	Shillong	45.52 270	eP	P	14 50 32.0 -2.1
MAKZ	Makanchi	45.69 302	eP	P	14 50 34.8 -0.2
MAKZ	comp=Z,2.6nm,1.7s				
MAKZ	Makanchi	45.69 302	eP	P	14 50 34.8 -0.2
MAKZ	comp=Z,2.6nm,1.7s				
SUA	Susitna One	45.95 37	P	P	14 50 37.5 +0.6
SUA	comp=Z,95nm,2.0s				
MLY	Manley	46.05 32	eP	P	14 50 38.9 +1.3
MLY	comp=Z,20nm,1.5s				
SRDT	SRDT	46.08 252	P	P	14 50 40.8 +2.4
SRDT	comp=Z,13nm,0.9s,comp=Z,4um				
PHET	Kaeng Krachan	46.62 250	P	P	14 50 44.2 +1.6
PHET	comp=Z,3.9nm,0.8s,comp=Z,131nm				
KURK	Kurchatov	47.10 308	eP	P	14 50 45.8 -0.2
KURK	comp=Z,15nm,0.7s				
KURK	Kurchatov	47.10 308	eP	pmax	14 50 45.8 -0.2
KURK	comp=Z,15nm,0.7s				
MDM	Murphy Dome	47.12 33	P	P	14 50 47.2 +1.3
MDM	comp=Z,44nm,1.4s				
KURBB	Kurchatov Arr	47.18 308	P	P	14 50 46.5 -0.1
KURBB	comp=Z,3.9nm,0.8s,baz=82,slow=8.0,SNR=33				
CCB	Clear Creek Bu	47.29 33	eP	P	14 50 47.9 +0.7
CCB	comp=Z,15nm,1.5s				
IL1	Eielson Array	47.69 33	eP	P	14 50 50.4 0.0
ILAR	Eielson Array	47.69 33	eP	P	14 50 51.0 +0.7
ILAR	comp=Z,4.5nm,0.7s,baz=261,slow=6.1,SNR=59				
ILB	Eielson Array	47.69 33	eP	P	14 50 50.6 +0.2
ILB	comp=Z,15nm,0.7s				
PDGK	Podgornoye	48.27 298	P	P	14 50 55.7 +0.4
PDGK	comp=Z,15nm,0.7s				
JIRN	Jiri	49.04 276	eP	P	14 51 01.3 -0.5
RAMN	Ramite	49.05 275	eP	P	14 51 00.9 -0.8
GUN	Gumba	49.17 276	eP	P	14 51 02.2 -0.5
GUN	comp=Z,44nm,1.1s				
MENT	Mentasta	49.17 35	eP	P	14 51 02.2 +0.3
MENT	comp=Z,14nm,1.0s				
PKI	Pulchoki	49.70 276	eP	P	14 51 05.6 -1.1
PKI	comp=Z,14nm,1.0s				
KKN	Kakani	49.70 277	eP	P	14 51 05.9 -0.7
PKIN	Pulchoki	49.70 276	eP	P	14 51 06.2 -0.5
DMN	Daman	49.72 298	P	P	14 51 07.6 -0.7
DMN	comp=Z,5.3nm,0.5s				
EAGL	Eagle	50.14 33	P	P	14 51 09.8 +0.7
EAGL	comp=Z,15nm,0.7s				
KDJ	Kajisay	50.25 297	eP	P	14 51 10.5 -0.1
KDJ	comp=Z,4.6nm,0.9s				
KDJ	Kajisay	50.25 297	eP	pmax	14 51 10.5 -0.1
KDJ	comp=Z,4.6nm,0.9s				
DANN	Dangsing	50.63 278	eP	P	14 51 13.5 -0.3
DANN	comp=Z,35nm,0.6s				
PKDT	Phuket	50.89 246	P	P	14 51 16.8 +1.4
PKDT	comp=Z,13nm,2.0s				
KOLM	Koldanda	51.03 277	eP	P	14 51 15.9 -0.7
TKM2	Tokmak 2	51.10 299	P	P	14 51 18.0 +1.0
TKM2	comp=Z,13nm,2.0s				
PYUN	Piuthan	51.35 278	eP	P	14 51 18.5 -0.6
PYUN	comp=Z,13nm,0.5s				
BVAR	Borovoye Arr	51.60 312	P	P	14 51 20.5 +0.1
BVAR	comp=Z,2.3nm,0.6s,baz=72,slow=8.6,SNR=11				
BVAR	Borovoye Arr	51.60 312	P	P	14 52 34.5 +0.6
BVAR	comp=Z,2.3nm,0.6s,baz=72,slow=8.6,SNR=11				
KZA	Kyzart	51.62 298	P	P	14 51 23.0 +1.8
KZA	comp=Z,2.0nm,0.6s,baz=70,slow=4.4,SNR=2.6				
SNR=7.7					
SNR=15					
KBK	Karagaybulak	51.64 298	P	P	14 51 21.9 +0.9
KBK	comp=Z,15nm,0.7s				

OTUK	Ortayu	51.67 306	P	P	14 51 21.3 +0.4
OTUK	comp=Z,5.0nm,1.5s				
USP	Ospovnyka	51.75 299	P	P	14 51 22.2 +0.5
USP	comp=Z,5.0nm,1.5s				
FRU	Bishkek	51.81 299	eP	P	14 51 21.5 -0.6
AAK	Ala-Archa	51.96 299	eP	P	14 51 24.1 +0.7
AAK	comp=Z,1.3nm,0.4s,baz=102,slow=6.0,SNR=10				
AAK	Ala-Archa	51.96 299	eP	P	14 51 23.4 0.0
AAK	comp=Z,5.5nm,0.9s				
AAK	Ala-Archa	51.96 299	eP	pmax	14 51 23.4 0.0
AAK	comp=Z,5.5nm,0.9s				
KSH	Kashi	52.00 294	P	P	14 51 28.3 +4.6
KSH	comp=Z,7.0nm,0.9s				
KSH			pP	sP	14 51 38.6 -3.8
KSH			sp	pP	14 51 40.8 +9.1
KSH			PP	PP	14 53 25.2 +3.5
KSH			S	S	14 58 49.9 +4.3
KSH			SS	SS	15 02 24.7 +2.2
KSH	comp=Z,17nm,0.9s				
KSH	comp=Z,400nm,5.8s				
KSH	comp=Z,190nm,10.5s		LR	LR	
KSH	comp=Z,200nm,5.1s		LR	LR	
KSH	comp=Z,540nm,8.8s		LR	LR	
EKS2	Erkin-Say	52.45 299	P	P	14 51 27.6 +0.6
EKS2	SNR=7.3				
AML	Almayashu	52.69 298	P	P	14 51 30.2 +1.1
AML	SNR=16				
INK	Inuvik	52.71 28	eP	P	14 51 28.9 +0.6
INK	comp=Z,22nm,1.4s				
INK	Inuvik	52.71 28	eP	pmax	14 51 28.9 +0.6
INK	comp=Z,22nm,1.4s				
MNAS	Manas	53.40 299	P	pmax	14 51 34.6 +0.6
MNAS	comp=Z,14nm,1.0s				
SFK	Sufi-Kurgan	53.59 296	P	pmax	14 51 36.1 +0.5
SFK	comp=Z,11nm,1.3s				
KK31	Karatay Array	54.55 300	eP		

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MK01 Makanchi Array, ILAR Eielson Array, etc.

IDD 09 15:33:41.9, 1.7, 37.99N:144.06E, h0km, mb3.6/3, mb1 3.8/5, mb1mx3.4/37, mbtmp3.6/5, ML3.3/2, Error ellipse: s-maj=40.4km s-min=25.5km az=71.0

JMA 09 15:39:45.4, 0.2, 38.10N:143.88E, h43km, M3.4, ISC 09 15:33:46.3, 1.3, 38.10N:143.96E, 0.08, h35km, n17, s=138/28, mb3.5/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IJKH Ishinomakikobu, JIO Ouri, etc.

IDD 09 15:45:10.2, 0.7, 10.61N:141.67E, h0km, mb4.1/11, mb1 4.3/12, mb1mx4.0/46, mbtmp4.1/12, ML4.3/1, MS3.0/7, Ms1 3.0/7, ms1mx2.7/41, Error ellipse: s-maj=24.9km s-min=17.4km az=95.0

NEIC 09 15:45:15.1, 1.1, 10.57N:141.71E, h37km, 14km, mb4.7/3, Error ellipse: s-maj=11.1km s-min=9.3km az=98.0

ISC 09 15:45:15.1, 1.1, 10.58N:141.72E, 0.1, h35km, n38, s=084/33, mb4.3/16, MS2.9/6, Western Caroline Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GUMO Guam, SIJI Sorong, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MAK2 Makanchi, ZALV Zalesovo Beam, etc.

IDD 09 15:50:39.1, 1.1, 10.51N:141.71E, h0km, mb3.5/7, mb1 3.7/8, mb1mx3.6/46, mbtmp3.5/8, ML3.8/1, Error ellipse: s-maj=32.3km s-min=20.7km az=102.0

ISC 09 15:50:41.8, 0.8, 10.51N:141.71E, 0.1, h33km, mb3.5/7, Error ellipse: s-maj=23.4km s-min=9.9km az=43.1

ISC 09 15:50:44.2, 1.0, 10.50N:141.73E, 0.2, h35km, n8, s=097/9, mb3.6/7, Western Caroline Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GUMO Guam, WRA Warramunga Arr, etc.

NIED 09 15:59:00, 38.50N:142.10E, h17km, Mw3.5 Best double couple: Mo=1.74000e+10, N1:3e+268.00000, s48.00000, lambda=174.00000, NP2:3e+174.00000, s85.00000

JMA 09 15:59:39.7, 0.1, 38.50N:142.07E, h39km, 1km, M3.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IJKH Ishinomakikobu, JIKH Ouri, etc.

IDD 09 16:05:06.2, 1.1, 37.16N:143.82E, h0km, mb3.4/4, mb1 3.8/6, mb1mx3.5/36, mbtmp3.5/6, ML3.4/2, MS3.5/1, Ms1 3.5/1, ms1mx2.5/23, Error ellipse: s-maj=41.2km s-min=22.8km az=111.0

ISC 09 16:05:09.3, 0.7, 37.25N:143.57E, 0.06, h33km, mb3.6/4, Error ellipse: s-maj=6.7km s-min=6.1km az=17.9

JMA 09 16:05:09.8, 0.2, 37.27N:143.56E, h51km, M3.4, ISC 09 16:05:11.0, 1.0, 37.31N:143.56E, 0.08, h35km, n22, s=126/30, mb3.6/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IJKH Ishinomakikobu, JIO Ouri, etc.

IDD 09 16:08:35.4, 3.9, 14.25N:93.36W, h0km, mb3.4/2, mb1 3.7/3, mb1mx3.4/29, mbtmp3.3/3, ML3.3/1, Error ellipse: s-maj=155.0km s-min=68.8km az=50.0

MEX 09 16:08:43.6, 0.6, 14.49N:93.70W, h16km, 191km, MD4.0, ISC 09 16:08:43.9, 2.3, 14.61N:92.93W, 0.2, h36km, n7, s=119/19, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PCIG Comitan, TXAR Lajitas Array, etc.

0.4nm, 0.7s, baz=148, slow=7.4, SNR=3.7 CMAR Chiang Mai Arr 144.86 339 PKPbc PKPab 16 28 15.3 -1.7

NORS 09 16:18:15.4, 0.0, 42.74N:45.79E, h21km, 1km, MPVA3.2, ISC 09 16:18:18.0, 0.5, 42.75N:45.78E, 0.04, h16km, 17km, Error ellipse: s-maj=6.4km s-min=5.0km az=115.5

TIF 09 16:18:19.1, 4.2, 62N:45.66E, h20km, 3km, ISC 09 16:18:16.6, 1.4, 42.67N:45.77E, 0.03, h4km, 15km, n10, s=065/20, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BTLR Botlikh, DVE Vedeno, etc.

IDD 09 16:46:41.0, 0.8, 40.67N:73.26E, h0km, mb3.7/9, mb1 3.8/14, mb1mx3.7/54, mbtmp3.7/14, ML3.1/5, MS2.3/2, Ms1 2.3/2, ms1mx2.0/46, Error ellipse: s-maj=17.3km s-min=11.5km az=117.0

SOME 09 16:46:42.3, 40.73N:73.35E, h0km, NNC 09 16:46:43.0, 0.6, 40.73N:73.18E, h0km, mb4.1, mpv3.8, Error ellipse: s-maj=7.9km s-min=3.5km az=80.0

KRNET 09 16:46:43.0, 1.0, 40.75N:73.28E, h14km, mb4.1, MOS 09 16:46:44.7, 3.2, 40.71N:73.17E, h22km, mb4.1/9, Error ellipse: s-maj=12.0km s-min=6.7km az=76.5

KNET 09 16:46:45.2, 1.0, 40.86N:73.31E, h12km, 11km, m3.7, Error ellipse: s-maj=7.2km s-min=3.3km az=81.0

BUI 09 16:46:49.1, 4.0, 81N:73.88E, h10km, ML3.7/5, ISC 09 16:46:41.5, 1.1, 40.67N:73.41E, 0.02, h5km, 6km, n110, s=197/160, mb3.8/13, 37C-35D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, ARSB Arslanbob, etc.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Time, Res. Includes stations like Amami Oshima, Tokunoshima, Kikushima, etc.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Time, Res. Includes stations like Ende, Flores, Pohnpei, etc.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Time, Res. Includes stations like GYA, LHMI, ENH, etc.

IDC 09 18:29:59.2,0.4,3:53S:141.19E,h0km,mb4.7/24, mb1.4/8/29,mb1mx4.7/39,mbtmp4.7/29,ML4.0/5,MS4.4/17, Ms1.4/4.1/7,ms1mx4.1/35,Error ellipse: s-maj=15.5km s-min=8.1km az=73.0

GCMT 09 18:30:03.6,0.3,3:60S:0.02x141.15E,0.02,h23km, MW5.0/52, Moment Tensor Solution. s38,c46; s52,c67; Duration: 0 Moment tensor: Scale 1016Nm; Mr=1.42E-14; Mw0.47z-0.9; Mw0.94z-1.0; Mw-1.94z-1.5; Mw0.46z-0.7; Mw3.94z-1.5; Best double couple: Mo4.58800e+16 Np1154.00000; s82.00000; lambda-89.00000; NP2: o=328.00000; s86.00000; lambda-98.00000; Principal axes: T 4.4850,Plg37.0000; Azm243.0000; P -0.2020,Plg1.0000; Azm333.0000; P -4.6870,Plg653.0000; Azm65.0000; nst1 refers to surface waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MOS 09 18:30:03.5,1.1,3:59S:141.15E,h45km,mb5.4/23 Error ellipse: s-maj=12.3km s-min=6.0km az=104.1

ISCJB 09 18:30:03.0,0.1,3:58S:0.02x141.11E,0.03,h33km, mb5.0/104,MS4.4/16,Error ellipse: s-maj=3.9km s-min=2.9km az=150.4

NEIC 09 18:30:04.6,0.2,3:56S:141.12E,h35km,mb5.2/47, MW5.0/52, Error ellipse: s-maj=6.1km s-min=4.3km az=85.0, Moment Tensor Solution: s15 Moment tensor: Scale 1016Nm; Mr=2.21; Mw1.24; Mw0.97; Mw0.00; Mw-2.33; Mw2.00; Best double couple: Mo3.60000e+16 Np1: o=283.00000; s41.00000; lambda-141.00000; NP2: o=162.00000; s66.00000; lambda-56.00000; Principal axes: T 3.7800,Plg14.0000; Azm227.0000; P -0.3400,Plg31.0000; Azm326.0000; P -3.4400,Plg56.0000; Azm116.0000;

BUI 09 18:30:04.1,3.61S:141.46E,h59km,mb4.9/56,mb5.2/32, Mb4.9/26,Mb7.4/20

DJA 09 18:30:05.9,0.7,3:53S:141.1E,h33km,5km,M5.1/42, mb5.5/24,mb5.3/42,MLV5.6/3,MW(m)5.0/24

ISC 09 18:30:04.6,0.3,3:55S:0.04x141.13E,0.05,h35km,n346, o169/315,mb5.1/104,MS4.5/17,8C-5D,New Guinea

Main station list table with columns: Code, Station Name, Az, El, P, S, Sn, Time, Res. Includes stations like Jayapura, Sorong, Merauke, etc.

Main station list table with columns: Code, Station Name, Az, El, P, S, Sn, Time, Res. Includes stations like Ende, Flores, Pohnpei, etc.

Main station list table with columns: Code, Station Name, Az, El, P, S, Sn, Time, Res. Includes stations like GYA, LHMI, ENH, etc.

104A	comp=Z,1.0nm,1.0s Tendick Farm, baz=303	32.48	86	P	P	19 15 59.5 +2.2
I05D	Terrebonne, OR baz=302	32.84	84	eP	P	19 16 02.6 +2.1
HAWA	Hanford comp=Z,2.0nm,0.8s Phinny Hill Vi comp=Z,5nm,1.5s	32.90	81	eP	P	19 16 03.0 +2.2
D08A	Wollman Farm, comp=Z,4.1nm,1.5s	32.93	79	eP	P	19 16 02.9 +1.6
E08A	Dider Farm, El comp=Z,1.4nm,0.8s	33.13	80	eP	P	19 16 04.5 +1.6
L04D	Klamath Falls baz=305	33.41	88	P	P	19 16 07.6 +2.0
NEW	Newport comp=Z,2.2nm,0.7s,baz=300,slow=8.1,SNR=53	33.44	76	P	P	19 16 06.9 +1.2
NEW	comp=Z,2.18nm,20.2s,baz=302,slow=32				LR	19 27 23.3
NEW	Newport comp=Z,2.2nm,0.8s	33.44	76	eP	P	19 16 06.9 +1.2
NEW	Newport baz=298,SNR=24	33.44	76	P	P	19 16 06.8 +1.2
YBH	Yreka Blue Hor comp=Z,1.3nm,0.6s,baz=139,slow=4.2,SNR=3.9	33.44	89	P	P	19 16 07.9 +2.1
YBH	Yreka Blue Hor baz=340	33.44	89	P	P	19 16 07.9 +2.1
YBH	comp=Z,2.0nm,0.7s				pmax	
J05D	Fort Rock, OR baz=304,SNR=5.8	33.47	86	P	P	19 16 08.5 +2.4
M02C	Callahan baz=306	33.55	90	P	P	19 16 09.7 +2.9
E09A	Wood Farm, Sta comp=Z,2.0nm,0.9s	33.66	79	eP	P	19 16 09.2 +1.6
G08A	Pilot Rock comp=Z,7.5nm,0.9s	33.79	81	eP	P	19 16 10.1 +1.3
O03E	Paynes Creek baz=307	34.84	91	P	P	19 16 19.8 +1.9
BMO	Blue Mountains comp=Z,1.4nm,1.4s	35.02	81	eP	P	19 16 20.8 +1.4
BMO	Blue Mountains comp=Z,1.4nm,1.4s	35.02	81	eP	P	19 16 20.8 +1.4
BMO	comp=Z,1.4nm,1.4s				pmax	
J08A	Circle Bar Ran comp=Z,1.5nm,0.8s	35.12	84	eP	P	19 16 21.0 +0.7
JTMT	Jette comp=Z,1.4nm,0.7s	35.37	75	eP	P	19 16 22.0 -0.4
WVOR	Wild Horse Val comp=Z,2.8nm,0.9s	35.53	85	eP	P	19 16 24.2 +0.4
WVOR	Wild Horse Val comp=Z,2.8nm,0.9s	35.53	85	eP	P	19 16 24.3 +0.4
WVOR	comp=Z,1.3nm,1.0s				pmax	
BEKR	Beckworth comp=Z,2.7nm,0.8s	35.98	90	eP	P	19 16 28.4 +0.5
KLR	Kul dur comp=Z,2.1nm,0.7s,baz=46,slow=6.5,SNR=7.0	36.00	289	P	P	19 16 26.4 -1.3
MSO	Missoula baz=302	36.02	76	eP	P	19 16 28.3 +0.3
MSO	Missoula comp=Z,9.3nm,0.7s	36.02	76	P	P	19 16 28.8 +0.8
RES	Resolute Bay comp=Z,0.9nm,0.4s,baz=318,slow=3.8,SNR=8.6	36.51	26	P	P	19 16 31.6 -0.1
PAHR	Pah Rah Range comp=Z,6.8nm,0.9s	36.68	90	eP	P	19 16 35.8 +2.1
MFID	Camas Ranch comp=Z,1.0nm,0.8s	36.69	82	eP	P	19 16 35.2 +1.4
YERR	Yerrington comp=Z,7.5nm,0.8s	37.21	90	eP	P	19 16 40.5 +2.2
H11N2	WAKE ISLAND Hy baz=23,slow=76,SNR=372	37.22	217	T	T	19 56 15.6
H11N3	WAKE ISLAND Hy baz=23,slow=76,SNR=492	37.24	217	T	T	19 56 18.7
H11N1	WAKE ISLAND Hy baz=23,slow=76,SNR=401	37.24	217	T	T	19 56 20.0
HRY	Holter Researc baz=303,SNR=15	37.33	75	eP	P	19 16 40.3 +1.1
HLID	Halley comp=Z,6.6nm,0.7s	37.47	81	eP	P	19 16 41.7 +1.2
HLID	Halley baz=304,SNR=21	37.47	81	P	P	19 16 41.7 +1.2
MCMT	McKenzie Canyo EGMT	37.71	78	eP	P	19 16 43.5 +0.9
EGMT	comp=Z,9nm,0.8s	37.88	72	eP	P	19 16 44.8 +1.0
EGMT	Eagleton baz=300,SNR=14	37.88	72	P	P	19 16 44.8 +0.8
BOZ	Bozeman (W) comp=Z,1.2nm,0.8s	38.03	76	eP	P	19 16 45.9 +0.8
BOZ	Bozeman (W) comp=Z,1.2nm,0.8s	38.03	76	eP	P	19 16 45.9 +0.8
BOZ	comp=Z,1.2nm,0.8s				pmax	
BOZ	Bozeman (W) baz=302,SNR=25	38.03	76	P	P	19 16 46.0 +0.8
NV01	Mina Array Sit comp=Z,4.4nm,0.7s,baz=299,slow=7.7,SNR=24	38.12	90	eP	P	19 16 47.1 +1.0
NVAR	Mina Array Sit comp=Z,4.4nm,0.7s,baz=299,slow=7.7,SNR=24	38.12	90	eP	P	19 16 47.9 +1.8
NVAR	comp=Z,0.2nm,0.3s,baz=279,slow=3.9,SNR=4.4				ScP	19 22 45.9 +1.4
H1S11	WAKE ISLAND Hy baz=22,slow=76	38.21	217	T	T	19 57 42.3
USRK	Ussuriysk Ar. comp=Z,1.5nm,0.6s,baz=61,slow=9.6,SNR=4.4	38.43	281	P	P	19 16 46.2 -2.1
USRK	Ussuriysk Ar. comp=Z,1.5nm,0.6s,baz=61,slow=9.6,SNR=4.4	38.43	281	P	P	19 16 47.9 +1.8
H1S12	WAKE ISLAND Hy baz=22,slow=76,SNR=1700	38.43	217	T	T	19 57 43.4
H1S13	WAKE ISLAND Hy baz=22,slow=76,SNR=1700	38.43	217	T	T	19 57 42.6
FFC	Flin Flon comp=Z,7.4nm,0.8s	39.08	59	eP	P	19 16 54.0 +0.4
FFC	Flin Flon comp=Z,7.4nm,0.8s	39.08	59	eP	P	19 16 54.0 +0.4
FFC	comp=Z,7.0nm,0.8s				pmax	
GCMT	Greycliff comp=Z,1.8nm,0.9s	39.29	75	eP	P	19 16 55.5 +1.4
MAJO	Matsushiro comp=Z,1.8nm,0.9s	39.24	267	P	P	19 16 54.3 -0.9
MAJO	Matsushiro comp=Z,1.8nm,0.9s	39.24	267	P	P	19 16 55.3 +0.1
MAT	Matsushiro comp=Z,6.3nm,0.8s,baz=33,slow=7.0,SNR=13	39.24	267	P	P	19 16 54.6 -0.6
MJAR	Matsushiro Arr comp=Z,6.5nm,1.1s,baz=67,slow=1.6,SNR=6.7	39.24	267	P	P	19 19 03.9 +0.3
MJAR	comp=Z,6.5nm,1.1s,baz=67,slow=1.6,SNR=6.7				LR	19 31 21.6
H17A	Grant Village baz=304,SNR=7.9	39.31	77	P	P	19 16 58.2 +2.2
YES	Vestal, Richgr baz=312	39.31	94	P	P	19 16 56.9 +1.1
FXWY	Fox Creek comp=Z,3.7nm,0.7s	39.46	79	eP	P	19 16 58.3 +1.0
CWC	Cottonwood Cre baz=311	39.53	93	P	P	19 16 58.9 +1.0
MOOW	Moose Ponds comp=Z,3.0nm,0.6s	39.57	78	eP	P	19 16 58.8 +0.7
TPAW	Teton Pass comp=Z,6.0nm,0.6s	39.59	79	eP	P	19 16 60.0 +1.6
GRAC	Grapevine Rang baz=310	39.61	91	P	P	19 17 00.2 +1.9
RLMT	Red Lodge comp=Z,2.8nm,0.9s	39.69	76	eP	P	19 17 00.4 +1.3
RLMT	Red Lodge comp=Z,3.0nm,0.8s	39.69	76	P	P	19 17 00.2 +1.1
LOHW	Long Hollow comp=Z,5.5nm,0.8s	39.73	78	eP	P	19 17 00.2 +0.7
ISA	Isabella, Lake baz=312	39.84	90	P	P	19 17 01.3 +1.3
R11A	Troy Canyon, C baz=309,SNR=6.2	39.84	88	P	P	19 17 01.4 +1.0
MPMC	Manual Prospec baz=311	40.14	93	P	P	19 17 04.3 +1.4
FURC	Furnace Creek, baz=311	40.26	92	P	P	19 17 05.2 +1.6
TPNV	Topopah Spring comp=Z,1.0nm,0.7s	40.32	91	eP	P	19 17 05.3 +1.0
TPNV	Topopah Spring comp=Z,1.0nm,0.7s	40.32	91	eP	P	19 17 05.4 +1.0
TPNV	comp=Z,1.0nm,0.7s				pmax	
TPNV	Topopah Spring baz=310,SNR=9.6	40.32	91	P	P	19 17 05.5 +1.1
DUG	Dugway, Tooele comp=Z,2.3nm,1.2s	40.40	84	eP	P	19 17 06.2 +1.3
DUG	Dugway, Tooele comp=Z,2.3nm,1.2s	40.40	84	eP	P	19 17 06.3 +1.3
DUG	comp=Z,2.3nm,1.2s				pmax	
DUG	Dugway, Tooele baz=306,SNR=20	40.40	84	P	P	19 17 06.2 +1.3
EDW2	Edwards Air Fo baz=312	40.61	94	P	P	19 17 08.1 +1.4
LAO	LASA Array comp=Z,1.6nm,0.9s	40.63	72	eP	P	19 17 08.0 +1.3

LAO	LASA Array baz=303,SNR=5.3	40.63	72	P	P	19 17 07.8 +1.1
BW06	Boulder Array comp=Z,1.9nm,0.8s	40.84	79	eP	P	19 17 09.6 +0.8
BW06	Boulder Array baz=306,SNR=8.5	40.84	79	eP	P	19 17 09.5 +0.8
PD31	Pinedale Array comp=Z,1.5nm,0.6s,baz=296,slow=4.7,SNR=1.68	40.84	79	eP	P	19 17 09.5 +0.8
PDAR	Pinedale Array comp=Z,2.0nm,1.0s,baz=196,slow=3.8,SNR=3.6	40.84	79	eP	ScP	19 22 55.9 +1.0
PDAR	comp=Z,1.87nm,18.1s,baz=307,slow=34				LR	19 32 46.4
PDAR	Pinedale Array baz=311	40.84	79	eP	P	19 17 08.6 -0.1
PDAR	Pinedale Array baz=311	40.84	79	eP	ScP	19 22 55.9 +1.0
PDAR	Dagmar baz=302	40.85	68	eP	ScP	19 17 09.1 +0.6
SHOC	Shoshone, Teco baz=302	40.99	92	P	P	19 17 11.6 +1.9
GSC	Goldstone, Bar baz=312,SNR=9.7	41.06	93	P	P	19 17 11.7 +1.3
BFCF	Mount Baldy Ra baz=313,SNR=6.0	41.25	95	P	P	19 17 13.2 +1.1
BFSC	Fort Churchill comp=Z,1.2nm,0.8s	41.25	50	eP	P	19 17 12.0 +0.5
FCC	Fort Churchill comp=Z,1.2nm,0.8s	41.25	50	eP	pmax	19 17 12.0 +0.5
FCC	Fort Churchill comp=Z,1.2nm,0.8s	41.25	50	eP	pmax	19 17 12.0 +0.5
HEC	Hector,Ludlow baz=312	41.66	93	P	P	19 17 16.6 +1.3
GMRC	Granite Mounta baz=312,SNR=7.3	41.60	93	P	P	19 17 20.0 +1.0
FRD	Fort Ranch, An baz=313,SNR=5.1	42.40	95	P	P	19 17 22.5 +1.2
PFO	Pinyon Flats O baz=313,SNR=5.7	42.41	95	P	P	19 17 22.3 +0.9
BELC	Belle Mtn. Jos baz=313	42.42	94	P	P	19 17 23.2 +0.7
CN2	Changchun comp=Z,10.0nm,0.8s	42.55	285	eP	pmax	19 17 22.3 +0.9
CN2	comp=Z,10.0nm,0.8s				pmax	
K22A	Casper baz=306,SNR=8.3	42.73	77	P	P	19 17 24.1 +0.1
IRM	Iron Mountain baz=313,SNR=4.5	42.84	93	P	P	19 17 26.0 +1.2
RWWY	Rawlins comp=Z,1.2nm,0.8s	42.88	78	eP	P	19 17 25.0 -0.4
MONP2	Monument Peak baz=314	42.92	95	P	P	19 17 26.7 +1.0
BC3	Big Chuckawall comp=Z,1.2nm,0.8s	42.99	94	P	P	19 17 27.1 +1.0
U15A	North Rim comp=Z,1.0nm,0.6s	43.08	88	eP	P	19 17 28.6 +1.5
O20A	White River Ci comp=Z,0.9nm,0.7s	43.21	81	eP	P	19 17 28.6 +0.6
O20A	White River Ci baz=308,SNR=31	43.21	81	P	P	19 17 28.6 +0.6
SWSC	Sam W. Stewart baz=314	43.26	95	P	P	19 17 29.1 +0.8
IKP	In-Ko-Pah, Jac baz=314,SNR=6.3	43.28	95	P	P	19 17 29.8 +1.4
RSSD	Black Hills comp=Z,9.9nm,0.6s	43.34	74	eP	P	19 17 29.4 +0.4
RSSD	Black Hills comp=Z,10.0nm,0.6s	43.34	74	eP	pmax	19 17 29.4 +0.4
RSSD	Black Hills baz=306	43.34	74	P	P	19 17 29.2 +0.2
PDMO	Parker Dam,Lak baz=313	43.35	92	P	P	19 17 29.9 +0.9
Y12C	Blythe comp=Z,8.7nm,0.7s	43.49	93	eP	P	19 17 31.2 +1.1
Y12C	Blythe baz=313,SNR=5.9	43.49	93	eP	P	19 17 31.1 +1.0
PV09	Paradox Valley comp=Z,1.2nm,0.7s	43.68	83	eP	P	19 17 32.7 +0.7
PV21	Cone Mtn., Par comp=Z,1.2nm,0.7s	43.74	83	eP	P	19 17 33.3 +0.9
GLA	Glamis baz=314	43.78	94	P	P	19 17 33.5 +0.9
MND9	Madlock baz=304	43.78	67	P	P	19 17 33.1 +0.8
PV10	Paradox Valley comp=Z,1.1nm,0.8s,baz=305,slow=7.5,SNR=21	43.82	84	eP	P	19 17 34.1 +1.1
PV11	David Mesa, Pa comp=Z,3.3nm,0.6s	43.97	84	eP	P	19 17 35.1 +1.0
N23A	Red Feather L comp=Z,2.0nm,1.3s	44.12	79	eP	P	19 17 36.5 +1.1
N23A	Red Feather L baz=308,SNR=9.6	44.12	79	P	P	19 17 36.0 +0.6
WUAZ	Wupatik baz=312	44.24	88	P	P	19 17 37.6 +1.3
ULM	Lac du Bonnet comp=Z,1.1nm,0.8s,baz=305,slow=7.5,SNR=21	44.52	62	P	P	19 17 38.2 +0.1
ULM						

9d 19h

N42A	Yates City	53.49	68	P	P	19 18 46.2	-0.7
E47A	Iron Bridge	53.52	59	P	P	19 18 46.8	-0.2
P41A	Barry Barry	53.67	70	P	P	19 18 47.5	-0.7
D48A	Paudash Townsh	53.81	58	P	P	19 18 49.0	-0.2
D49A	Beulah Townshi	53.98	57	P	P	19 18 50.4	0.0
NJ2	Nanjing	54.08	277	eP	pmx	19 18 53.1	+1.8
MAT0	Matagami	54.22	53	P	P	19 18 51.7	-0.4
R41A	Rosebud	54.41	72	P	P	19 18 52.3	-1.3
Q42A	Golden Eagle	54.48	71	P	P	19 18 53.7	-0.5
X37A	Clayton	54.57	78	eP	P	19 18 55.3	+0.4
N44A	Piper City	54.59	67	P	P	19 18 54.8	-0.1
K46A	Dor	54.64	64	P	P	19 18 54.6	-0.7
CCM	Cathedral Cave	54.65	72	eP	P	19 18 54.0	-1.4
CCM	Cathedral Cave	54.65	72	eP	pmx	19 18 54.0	-1.4
CCM	Cathedral Cave	54.65	72	P	P	19 18 53.9	-1.4
S41A	Hilco Farms,	54.67	73	P	P	19 18 54.0	-1.6
JCT	Junction City	54.76	84	P	P	19 18 55.8	-0.5
D50A	G1974 Best Tow	54.83	57	P	P	19 18 55.5	-0.1
U40A	Yellville	54.86	74	P	P	19 18 55.6	-1.3
E50A	Wahnapiæ	54.86	58	P	P	19 18 56.7	-0.1
Q43A	New Douglas	54.94	70	P	P	19 18 57.1	-0.4
LSQQ	Lebel-sur-Quev	55.01	53	P	P	19 18 57.5	-0.3
T41A	Mountain View	55.03	73	P	P	19 18 56.7	-1.5
K47A	Vermontville	55.08	64	P	P	19 18 58.1	-0.4
W39A	Magazine	55.10	76	P	P	19 18 58.4	-0.2
S42A	Caledonia	55.10	72	P	P	19 18 57.4	-1.3
WHTX	Lake Whitney,	55.12	81	P	P	19 18 59.2	+0.4
D51A	Lot 18 Range I	55.12	56	P	P	19 18 58.4	-0.2
O45A	Potomac	55.19	68	P	P	19 18 58.8	-0.4
P44A	Sand Creek, Wi	55.20	69	P	P	19 18 58.7	-0.7
R43A	Red Bud	55.26	71	P	P	19 18 59.0	-0.8
VLDQ	Val d'Or	55.40	54	eP	P	19 18 59.4	-1.3
U41A	Viola	55.41	74	P	P	19 18 59.5	-1.4
E51A	G1948 Merrick	55.43	57	P	P	19 19 00.7	-0.2
T42A	Van Buren	55.43	73	eP	P	19 18 59.3	-1.8
T42A	Van Buren	55.43	73	P	P	19 18 59.2	-1.8
L47A	Sherwood	55.44	64	P	P	19 19 00.3	-0.7
K48A	Perry	55.48	63	P	P	19 19 01.1	-0.2
F51A	Arnstein	55.62	58	P	P	19 19 02.2	0.0
M47A	Cromwell	55.62	65	P	P	19 19 01.9	-0.4
J49A	Marlette	55.63	62	P	P	19 19 02.4	0.0
S43A	Fulton Ridge,	55.65	71	P	P	19 19 01.7	-1.0
V41A	Mountainview	55.66	74	P	P	19 19 01.9	-0.8
MIAR	Mout Ida	55.67	76	eP	P	19 19 03.1	+0.3
MIAR	Mout Ida	55.67	76	eP	pmx	19 19 03.1	+0.3
MIAR	Mout Ida	55.67	76	P	P	19 19 02.6	-0.2
D52A	ZEK Kipawa Sen	55.68	56	P	P	19 19 02.4	-0.3
CHGQ	Chibougamau	55.69	51	P	P	19 19 01.9	-0.9
SCHO	Schefferville	55.70	43	P	P	19 19 03.6	+0.9
U42A	Revendun	55.81	73	P	P	19 19 02.1	-1.6
KLBO	Kilbear Provi	55.85	58	P	P	19 19 03.2	-0.7
Q45A	Warren Harvey,	55.86	69	P	P	19 19 03.6	-0.5
T43A	Greenville	55.86	72	P	P	19 19 02.9	-1.2
L48A	N Adams	55.88	64	P	P	19 19 03.8	-0.5
D53A	Lac Vâcive, Po	55.98	55	P	P	19 19 04.8	0.0
F52A	Sundridge	56.01	58	P	P	19 19 05.4	+0.3
E52A	Mattawa	56.02	57	P	P	19 19 04.8	-0.3
W41B	Gary Mavity, V	56.03	75	eP	P	19 19 04.2	-1.1
W41B	Gary Mavity, V	56.03	75	P	P	19 19 04.2	-1.1
M48A	Edgerton	56.04	65	P	P	19 19 05.0	-0.3
O47A	Sheridan	56.07	67	P	P	19 19 04.8	-0.8
V42A	Cord	56.10	74	P	P	19 19 04.2	-1.6
L49A	Milan	56.14	63	P	P	19 19 05.9	-0.1
X40A	Basin Creek Fa	56.15	76	P	P	19 19 06.0	-0.3
R45A	Kylar, Fairri	56.20	70	P	P	19 19 05.8	-0.7
S45A	Carrier Mills	56.45	70	P	P	19 19 07.5	-0.8
D54A	Lac Fâvel, La	56.45	55	P	P	19 19 07.7	-0.5
E53A	Dumoine, Ponti	56.47	56	P	P	19 19 08.1	-0.2
H52A	Wyevale	56.50	59	P	P	19 19 08.5	-0.1
P47A	Martinsville	56.53	67	P	P	19 19 07.9	-0.9
H06N1	SOCORRO T-PHAS	56.53	103	T	T	20 19 22.4	
ALGO	Algonquin Park	56.56	57	P	P	19 19 08.9	-0.1
O48A	Farnland	56.63	66	P	P	19 19 08.2	-1.4
H06E1	SOCORRO T-PHAS	56.63	103	T	T	20 20 26.0	
E54A	Lac Daplat, Po	56.67	56	P	P	19 19 09.4	-0.4
Y41A	Eagleette Beard	56.71	76	P	P	19 19 10.3	+0.1
N49A	Columbus Grove	56.72	65	P	P	19 19 09.3	-0.8
ELFO	Elginfield	56.73	61	P	P	19 19 10.8	+0.6
SAD0	Sadowa	56.80	58	eP	P	19 19 10.6	-0.1
Q47A	Bedord North L	56.81	68	P	P	19 19 10.4	-0.5
G53A	Haliburton	56.83	58	P	P	19 19 11.1	+0.2
S46A	Don Dixon Farm	56.94	70	P	P	19 19 10.8	-1.0
P48A	Milroy	57.02	67	P	P	19 19 11.3	-1.1

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ZALV	Zalesovo Beam	57.06	317	PcP	PcP	19 20 07.3	+0.4
ACTO	Acton	57.11	60	P	P	19 19 13.8	+0.8
J52A	Paris	57.14	60	P	P	19 19 13.6	+0.4
PEMO	Pembroke	57.16	56	P	P	19 19 13.2	0.0
R47A	Wooly Knot Far	57.20	68	P	P	19 19 13.3	-0.3
BANO	Bancroft	57.26	57	P	P	19 19 14.3	+0.3
T46A	baz=314,SNR=8.0	57.28	70	P	P	19 19 13.7	-0.5
P49A	Miami Univ. Ec	57.37	66	P	P	19 19 13.5	-1.3
WCI	Wyandotte Cave	57.38	68	eP	P	19 19 14.5	-0.4
WCI	Wyandotte Cave	57.38	68	eP	pmx	19 19 14.5	-0.4
WCI	Wyandotte Cave	57.38	68	P	P	19 19 14.1	-0.8
N50A	Nevada	57.39	64	P	P	19 19 14.6	-0.4
PKRO	Pickering	57.39	59	P	P	19 19 15.2	+0.3
S47A	Hartford	57.48	69	P	P	19 19 14.8	-0.8
O50A	Cable	57.56	65	P	P	19 19 15.4	-0.7
U46A	Springville	57.59	71	P	P	19 19 16.4	0.0
DRWO	Darlington Wes	57.63	59	P	P	19 19 17.1	+0.5
DRCO	St. Marys Ceme	57.64	59	P	P	19 19 16.8	+0.1
PLVO	Plevna	57.69	57	P	P	19 19 17.3	+0.3
N51A	Ashland	57.71	64	P	P	19 19 16.5	-0.7
G55A	Calabogie	57.72	57	P	P	19 19 17.1	-0.1
X44A	Crenshaw	57.73	74	P	P	19 19 17.1	-0.3
DELO	Deloro Mine	57.77	58	P	P	19 19 18.0	+0.5
T47A	Sharon Grove	57.77	70	eP	P	19 19 17.6	0.0
T47A	Sharon Grove	57.77	70	P	P	19 19 17.3	-0.4
WLVO	Wesleyville	57.77	59	P	P	19 19 18.1	+0.5
ARCES	ARCES Array B	57.80	354	P	P	19 19 17.7	+0.2
P50A	Jamestown	57.83	66	P	P	19 19 17.4	-0.7
S48A	Wheatman Farm,	57.91	69	P	P	19 19 18.0	-0.6
I55A	Frankford	57.94	58	P	P	19 19 19.0	+0.3
WVT	Waverly	57.95	71	eP	P	19 19 18.8	-0.1
WVT	Waverly	57.95	71	eP	pmx	19 19 18.8	-0.1
WVT	Waverly	57.95	71	P	P	19 19 18.6	-0.3
H55A	Tweed	57.97	57	P	P	19 19 19.2	+0.3
V46A	Holladay	58.01	72	P	P	19 19 18.9	-0.5
U47A	Clarksville	58.05	71	P	P	19 19 19.4	-0.2
T48A	Bowling Green	58.09	69	P	P	19 19 19.4	-0.5
O51A	Pataskala	58.12	64	P	P	19 19 19.7	-0.3
OXF	Oxford	58.16	74	P	P	19 19 20.0	-0.4
ORIO	Orleans, Innes	58.20	56	P	P	19 19 20.0	-0.5
S49A	Springfield	58.26	68	P	P	19 19 20.4	-0.7
Q50A	Georgetown	58.26	66	P	P	19 19 20.9	-0.2
MEDO	Medina	58.27	59	P	P	19 19 21.5	+0.5
W46A	Michie	58.33	72	P	P	19 19 21.3	-0.3
V47A	Nunnely	58.34	71	P	P	19 19 21.2	-0.4
ALFO	Alfred	58.39	55	P	P	19 19 21.3	-0.5
H56A	Elgin	58.41	57	P	P	19 19 22.3	+0.2
U48A	Cassie Pea, Po	58.43	70	P	P	19 19 22.5	+0.2
R50A	Parsons	58.45	67	P	P	19 19 22.1	-0.4
Q51A	Peebles	58.49	66	eP	P	19 19 22.5	-0.2
Q51A	Peebles	58.49	66	P	P	19 19 22.4	-0.3
LVZ	Lovozero	58.56	349	iP	pmx	19 19 22.2	-0.6
O52A	Adamsville	58.56	64	eP	P	19 19 23.0	-0.2
O52A	Adamsville	58.56	64	P	P	19 19 22.7	-0.5
T49A	Edmonton	58.59	69	P	P	19 19 22.8	-0.6
X46A	Booneville	58.61	73	P	P	19 19 23.2	-0.4
W47A	Westport	58.70	72	P	P	19 19 23.5	-0.7
P52A	Corning	58.74	65	P	P	19 19 24.5	+0.1
M54A	Oil Creek Stat	58.78	61	P	P	19 19 24.3	-0.3
V48A	Smith Brothers	58.81	71	P	P	19 19 24.2	-0.7
S50A	Richmond	58.83	68	P	P	19 19 24.9	-0.1
R51A	Hillboro	58.86	67	P	P	19 19 25.1	-0.1
U49A	Red Boiling Sp	58.87	69	P	P	19 19 24.8	-0.5
Y46A	Houston	58.93	74	P	P	19 19 25.4	-0.4
DGZ	Jazzart, Alta	58.96	312	iP	pmx	19 19 25.1	-0.9
N54A	Monroe State	58.98	62	P	P	19 19 25.7	-0.4
T50A	Nancy	59.05	68	P	P	19 19 26.2	-0.4
X47A	Russellville	59.06	73	P	P	19 19 25.7	

9d 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations and their coordinates and phases.

ICD 09 19:33:02.7-9.6, 23.25S-179.68W, h516km, 92km, mb3.3/7, mb1 3.4/8, mb1mx3.2/4.1, mbtmp4.2/8, Error ellipse: s-maj=78.3km s-min=20.2km az=45.0

ISC 09 19:33:04.4-1.7, 23.45S-179.70W, h0.3, h536km, n10, a109/10, mb3.9/7, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations for the South of Fiji Islands region.

ISCJB 09 19:38:04.3-1.1, 43.67N-108.147, 58E-0.09, h56km, 7km, mb3.8/11, Error ellipse: s-maj=15.6km s-min=6.1km az=143.5

2012 DEC

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations and their coordinates and phases.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations for the Northwestern Balkan Peninsula region.

SKO 09 20:17:04.4, 41.82N-22.90E, h5km, M0.7, ML1.4, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations for the Northwestern Balkan Peninsula region.

ISCJB 09 20:17:55.8-0.4, 40.57N-0.02-21.63E, h12km, 5km, Error ellipse: s-maj=5.2km s-min=3.7km az=149.5

THE 09 20:17:55.9, 40.57N-21.64E, h14km, 3km, ML1.9/3, Error ellipse: s-maj=3.1km s-min=0.5km az=240.0

ATH 09 20:17:55.0, 40.58N-21.63E, h23km, 2km, ML2.0/3, Error ellipse: s-maj=2.2km s-min=1.0km az=309.0

SKO 09 20:17:56.0, 40.52N-21.61E, h3km, M1.5, ML2.0, ISC 09 20:17:55.8-0.9, 40.57N-0.02-21.63E, h15km, 7km, n22, c050/37, Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations and their coordinates and phases.

ISCJB 09 20:21:22.5-0.6, 0.00S-0.07-123.10E, h162km, mb3.4/5, Error ellipse: s-maj=9.5km s-min=7.9km az=19.1

DJA 09 20:21:24.2-0.4, 0.0S-3.12E, h159km, 5km, M4.0/11, mb4.0/3, ML3.9/11

ICD 09 20:21:33.9-13.0, 0.23S-123.03E, h292km, 165km, mb2.8/4, mb1 2.9/5, mb1mx2.8/4.2, mbtmp3.5/5, Error ellipse: s-maj=86.6km s-min=22.4km az=49.0

ISC 09 20:21:23.2-0.8, 0.14S-106.123, h08E-0.05, h162km, n15, c214/20, mb3.5/5, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations and their coordinates and phases.

ICD 09 20:21:46.9-11.0, 7.33S-144.95E, h0km, mb3.5/1, mb1 3.6/3, mb1mx3.4/36, mbtmp3.3/3, ML2.9/2, MS3.7/1, Ms1 3/7, ms1mx2.5/32, Error ellipse: s-maj=257.6km s-min=40.2km az=90.0, Near south coast of New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations for the New Guinea region.

9d 20h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like TSZ, DVHZ, ANWZ, etc.

2012 DEC

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

488

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BELC, MLAC, MPMC, etc.

2012 DEC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Prairie Point, Gaotai, Rib Lake, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Muntele Rosu, Piszkesteto, Piszkesteto, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SIV San Ignacio, DBIC Dimbokro, IDC 09 21:12:46.5, etc.

9d 21h

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like GYA, UTTA, PSI, WRAB, WR1, etc.

2012 DEC

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like XAN, WRKA, MJAR, MAJO, etc.

492

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like TEY, RMQ, ASAJ, EIDS, LSA, etc.

VORR	Voronezh	82.94 321	P	P	21 57 52.0	-1.1
VSR	Storozhevo	82.98 321	eP	P	21 57 51.8	-1.6
LPSR	Galich'ya Gora	83.08 322	eP	P	21 57 53.9	+0.1
KLU	Klutina	83.18 29	eP	P	21 57 54.7	+0.4
DIV	Divide	83.27 29	eP	P	21 57 54.9	+0.2
PAX	Paxson	83.36 27	eP	P	21 57 55.4	+0.2
PAX	Paxson	83.36 27	eP	P	21 57 55.4	+0.2
FYU	Fort Yukon	83.37 24	eP	P	21 57 56.2	+1.1
MOS	Moscow	83.73 325	eP	P	21 57 57.6	+0.5
MOS	Moscow	83.73 325	eP	P	21 58 09.7	
MOS	Moscow	83.73 325	eP	P	22 08 12.5	-3.0
MOS	Moscow	83.73 325	eP	P	21 58 00.1	-0.3
MOS	Moscow	83.73 325	eP	P	21 57 58.1	-2.2
MOS	Moscow	83.73 325	eP	P	21 58 00.1	-0.3
ANN	Anapa	84.47 314	eP	P	21 58 00.1	-1.0
ANN	Anapa	84.47 314	eP	P	21 58 15.1	-1.4
ANN	Anapa	84.47 314	eP	P	22 08 16.5	-6.8
ANN	Anapa	84.47 314	eP	P	21 58 03.1	+0.1
APA	Apatity	84.95 337	iP	P	21 58 22.0	
APA	Apatity	84.95 337	iP	P	22 08 26.0	-1.2
EGAK	Eagle	85.16 25	eP	P	21 58 04.2	+0.1
ASF	Jabal al Asfar	85.89 302	P	P	21 58 08.4	-0.2
DAWY	Dawson	85.99 26	eP	P	21 58 08.8	+0.4
MAW	Mawson	86.31 200	P	P	21 58 09.4	-0.4
MAW	Mawson	86.31 200	P	P	22 34 51.0	
MAW	Mawson	86.31 200	P	P	21 58 09.3	-0.3
JOF	Joensuu	86.33 333	P	P	21 58 09.4	-0.6
VNDA	Vanda	86.39 173	eP	P	21 58 09.6	-0.4
VNDA	Vanda	86.39 173	eP	P	22 16 09.1	-1.6
VNDA	Vanda	86.39 173	eP	P	21 58 10.0	+0.1
VNDA	Vanda	86.39 173	eP	P	21 58 10.0	+0.1
PPT	Papeete	86.53 108	LR	P	21 58 31.0	
PPT2	Papeete2	86.54 108	eS	S	22 08 49.0	+4.2
PPT2	Papeete2	86.54 108	eS	S	22 25 50.7	
EPKY	Eagle Plains	86.79 24	P	P	21 58 12.1	-0.1
SIM	Simferopol'	86.80 315	eP	P	21 58 28.0	+15
PUL	Pulkovo	87.24 330	eP	P	21 58 15.8	+1.3
SBA	Scott Base	87.30 172	eP	P	21 58 15.6	+1.2
HYT	Haines Junction	87.31 29	eP	P	21 58 15.9	+0.9
HTI	Tubuai	87.34 114	eS	S	22 08 56.3	+3.0
TBI	Tubuai	87.34 114	eS	S	22 26 09.0	
SPA0	Spitsbergen Ar	87.51 349	eP	P	21 58 15.7	+0.2
SPA0	Spitsbergen Ar	87.51 349	eP	P	21 58 14.6	+0.9
ARCO	Arceps Array S	87.52 340	eP	P	21 58 14.2	-1.5
ARCO	Arceps Array S	87.52 340	eP	P	21 58 14.2	-1.5
ARCO	Arceps Array S	87.52 340	eP	P	22 06 14.1	-3.2
ARCO	Arceps Array S	87.52 340	eP	P	21 58 15.4	-0.2
AREO	Arceps Array S	87.52 340	eP	P	21 58 16.1	+0.4
AREO	Arceps Array S	87.52 340	eP	P	21 58 14.5	-1.2
INK	Inuvik	87.65 21	eP	P	21 58 16.0	-0.2
BR101	Keskin Array S	87.74 310	eP	P	21 58 15.6	-2.0
BR101	Keskin Array S	87.74 310	eP	P	22 01 49.5	+5.9
BR131	Keskin Array S	87.74 310	eP	P	21 58 16.4	-1.1
BRTR	Keskin Array S	87.74 310	eP	P	21 58 15.6	-2.0
BRTR	Keskin Array S	87.74 310	eP	P	22 01 49.5	+5.9
BRTR	Keskin Array S	87.74 310	eP	P	22 45 52.0	
HAMF	Hammerfest	87.88 341	eP	P	21 58 17.1	-0.3
KBS	Kingsbay	88.03 350	eP	P	21 58 17.1	-0.8
HSPB	Hornsund (broa	88.13 348	eP	P	21 58 19.1	+0.8
ANTO	Ankara	88.37 310	iP	P	21 58 19.1	-1.4
ANTO	Ankara	88.37 310	iP	P	21 58 19.1	-1.4
KTK1	Kautokeno	88.43 339	eP	P	21 58 19.4	-0.6
WHY	Whitehorse	88.49 29	eP	P	21 58 21.8	+0.6
FIA1	FINESS Array S	89.00 332	eP	P	21 58 21.6	-1.2
FIA0	FINESS Array S	89.00 332	eP	P	21 58 21.2	-1.6
FIA0	FINESS Array S	89.00 332	eP	P	21 58 21.2	-1.6
FINES	FINESS Array B	89.00 332	eP	P	21 58 21.2	-1.6
KMBO	Kilima Mbogo	89.07 269	P	P	21 58 23.6	-0.8
KMBO	Kilima Mbogo	89.07 269	P	P	22 01 51.5	-3.6
KMBO	Kilima Mbogo	89.07 269	P	P	22 37 39.8	
KMBO	Kilima Mbogo	89.07 269	P	P	21 58 24.4	0.0
KMBO	Kilima Mbogo	89.07 269	P	P	22 01 51.2	-3.9
KMBO	Kilima Mbogo	89.07 269	P	P	21 58 22.8	-1.7
KMBO	Kilima Mbogo	89.07 269	P	P	21 58 23.8	-0.7
AKASG	Malin Array Be	89.28 321	P	P	21 58 23.2	-1.1
AKASG	Malin Array Be	89.28 321	P	P	22 41 44.9	
AKAB	Malin Array S	89.28 321	eP	P	21 58 24.0	-0.4
VSU	Vasula	89.29 329	eP	P	21 58 22.7	-1.5
VSU	Vasula	89.29 329	eP	P	21 58 25.0	+0.8
KIEV	Kiev	89.30 321	eP	P	21 58 23.7	-0.7
KIEV	Kiev	89.30 321	eP	P	21 58 23.5	-0.9
KIEV	Kiev	89.30 321	eP	P	21 58 24.0	-0.4
AK11	Malin Array Si	89.32 321	eP	P	21 58 22.9	-1.6

TRO	Tromsø	89.72 340	eP	P	21 58 25.1	-0.9
IDID	Idiazabal	89.92 326	eP	P	21 58 25.9	-1.3
IGN	Ignalina	90.20 326	eP	P	21 58 26.9	-1.7
CFR	Caracali	90.96 316	iP	P	21 58 30.4	-1.9
CFR	Caracali	90.96 316	iP	P	21 58 30.4	-1.9
TOPAL	Topalu	91.14 315	iP	P	21 58 31.9	-1.9
TLB	Topalu	91.14 315	iP	P	21 58 31.9	-1.9
STEI	Steigen	91.57 339	eP	P	21 58 33.6	-1.0
VRI	Vrincioaia	91.81 316	iP	P	21 58 35.0	-1.3
VRI	Vrincioaia	91.81 316	iP	P	21 58 35.0	-1.3
PLOR	Plostina	91.86 316	iP	P	21 58 35.9	-0.7
PLOR	Plostina	91.86 316	iP	P	21 58 35.9	-0.7
SUW	Suwalki	92.22 325	eP	P	21 58 37.1	-0.8
SUW	Suwalki	92.22 325	eP	P	21 58 37.2	-0.8
MLR	Muntele Rosu	92.42 316	iP	P	21 58 37.4	-1.9
MLR	Muntele Rosu	92.42 316	iP	P	21 58 37.4	-1.9
BURAR	Bucovina Array	92.46 318	iP	P	21 58 38.8	-0.6
BURAR	Bucovina Array	92.46 318	iP	P	21 58 38.8	-0.6
BUR08	Bucovina Ar. S	92.46 318	iP	P	21 58 38.0	-1.3
BUR08	Bucovina Ar. S	92.46 318	iP	P	21 58 40.1	+1.6
MORR	Moi Rana	92.53 338	eP	P	21 58 37.3	-1.9
LVV	L'vov	92.73 321	eP	P	21 58 42.8	+2.4
ARCR	ARCALIA	93.15 318	iP	P	21 58 41.6	-0.8
HUMR	Humele	93.29 315	iP	P	21 58 41.2	-1.9
ARR	Arges	93.35 316	iP	P	21 58 42.6	-0.9
KWP	Kalwaria Pacia	93.61 321	eP	P	21 58 47.5	+3.0
KWP	Kalwaria Pacia	93.61 321	eP	P	21 58 47.5	+3.0
LOT	Lotra	93.92 316	iP	P	21 58 45.9	-0.9
UZH	Uzhgorod	94.12 320	eP	P	21 59 00.5	
UZH	Uzhgorod	94.12 320	eP	P	21 59 00.5	
NSS	Namsos	94.14 337	eP	P	21 58 45.9	-0.7
BEL	Belsk	94.19 323	eP	P	21 58 42.2	+15
BEL	Belsk	94.19 323	eP	P	21 58 02.3	+0.5
DAG	Danmarks Havn	94.29 352	iP	P	21 58 46.1	-0.9
DAG	Danmarks Havn	94.29 352	iP	P	21 58 46.1	-0.9
DRGR	Drgr	94.31 318	iP	P	21 58 46.0	-1.9
DRGR	Drgr	94.31 318	iP	P	21 58 46.0	-1.9
TAOE	Nuku Hiva Isla	94.61 98	eP	PS	22 11 23.8	+1.6
TAOE	Nuku Hiva Isla	94.61 98	eP	PS	22 29 26.0	
SYO	Syowa Base	94.95 201	iP	P	21 58 49.6	-0.5
SYO	Syowa Base	94.95 201	iP	P	21 58 51.4	+1.0
VTS	Vitosha	94.99 314	iP	P	21 58 47.6	-3.6
VTS	Vitosha	94.99 314	iP	P	21 58 47.6	-3.6
RES	Resolute Bay	95.04 10	eP	P	21 58 50.5	0.0
RES	Resolute Bay	95.04 10	eP	P	21 58 50.5	0.0
SIRR	Siria	95.15 318	iP	P	21 58 49.8	-1.9
OJC	Ojcow	95.26 322	eP	P	21 58 54.4	+2.3
OJC	Ojcow	95.26 322	eP	P	21 58 54.9	+2.9
OJC	Ojcow	95.26 322	eP	P	21 58 54.4	+2.3
MJDV	Moldovita	95.50 316	iP	P	21 58 50.9	-2.4
NC405	NORSAR Array S	95.68 334	eP	P	21 58 53.2	-0.5
LANS	Liptovska Anna	95.77 321	eP	P	21 58 56.0	+1.5
LANS	Liptovska Anna	95.77 321	eP	P	21 58 56.0	+1.5
NB2	NORSAR Subarra	95.93 334	eP	P	21 58 53.3	-1.6
NB2	NORSAR Subarra	95.93 334	eP	P	21 58 53.3	-1.6
NB200	NORSAR Array S	95.93 334	eP	P	21 58 53.4	-1.6
NB200	NORSAR Array S	95.93 334	eP	P	22 15 43.9	-1.7
NOA	NORSAR Array B	95.93 334	eP	P	21 58 53.4	-1.6
NOA	NORSAR Array B	95.93 334	eP	P	22 15 43.9	-1.7
VYHS	Vyhne	96.37 320	eP	P	21 59 04.1	+7.0
VYHS	Vyhne	96.37 320	eP	P	21 59 04.1	+7.0
OKC	Ostrava-Krasne	96.39 322	AMS	AMS	22 43 30.0	
QSPA	South Pole Qui	96.55 180	P	P	21 58 57.1	-0.5
MORC	Moravsky Berou	96.78 322	eP	P	21 59 02.1	+3.1
MORC	Moravsky Berou	96.78 322	eP	P	21 58 58.9	-0.1
MORC	Moravsky Berou	96.78 322	eP	P	21 58 58.9	-0.1
JAVC	Yelka Javorina	96.99 321	eP	P	21 59 01.5	+1.5
YKWS	Yellowknife Ar	97.02 24	eP	P	21 58 59.7	-0.1
YKA	Yellowknife Ar	97.02 24	eP	P	21 58 59.1	-0.8
YKA	Yellowknife Ar	97.02 24	eP	P	22 03 35.7	+0.2
YKA	Yellowknife Ar	97.02 24	eP	P	22 15 38.3	-4.1
YKBS	Yellowknife Ar	97.06 24	eP	P	21 58 57.5	-2.4
KSP	Ksiaz	97.18 323	eP	P	21 59 01.5	+0.6
KSP	Ksiaz	97.18 323	eP	P	21 59 01.5	+0.7
DPC	Dobruska-Polom	97.33 323	eP	P	21 59 16.0	-1.8
DPC	Dobruska-Polom	97.33 323	eP	P	22 44 50.0	
DPC	Dobruska-Polom	97.33 323	eP	P	21 59 01.0	-0.5
DPC	Dobruska-Polom	97.33 323	eP	P	21 59 16.0	
UPC	Ulice	97.47 323	eP	P	21 59 01.8	-0.3
UPC	Ulice	97.47 323	eP	P	21 59 17.3	-1.0
UPC	Ulice	97.47 323	eP	P	22 45 50.0	
UPC	Ulice	97.47 323	eP	P	21 59 01.8	-0.3
UPC	Ulice	97.47 323	eP	P	21 59 17.3	
VRAC	Vranov	97.51 322	iP	P	21 59 02.5	+0.1
VRAC	Vranov	97.51 322	iP	P	21 59 02.5	+0.1
VRAC	Vranov	97.51 322	iP	P	21 59 03.3	+0.9
KRUC	Moravsky	97.72 321	eP	P	21 59 03.7	+0.4
TREC	Trest	98.20 322	eP	P	21 59 06.5	+1.1
TREC	Trest	98.20 322	eP	P	22 51 00.0	
TREC	Trest	98.20 322	eP	P	21 59 06.5	+1.1
TREC	Trest	98.20 322	eP	P	22 10 25.0	-6.5
PVCC	Panska Ves	98.32 323	AMS	AMS	22 46 20.0	
GOPC	GO Pecny, Ondr	98.41 323	eP	P	21 59 07.2	+0.8
GOPC	GO Pecny, Ondr	98.41 323	eP	P	22 49 00.0	
GOPC	GO Pecny, Ondr	98.41 323	eP	P	21 59 07.2	+0.8
GOPC	GO Pecny, Ondr	98.41 323	eP	P	22 49 00.0	
PRU	Pruhonic	98.53 323	AMS	AMS	22 49 10.0	
BRG	Berggiesshubel	98.57 324	eP	P	21 59 05.9	-1.1
BRG	Berggiesshubel	98.57 324				

9d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PDSI Padang, IPM Ipo, KULM Kulim, etc.

MEX 09 21:55:14.4:0.4, 14:99N-91:85W, h151km, 7km, MD3.6, Guatemala

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

IDC 09 21:59:33.6:1.8, 6:85N-126:55E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.3/4.3, mbtm3.4/3, Error ellipse: s-maj=40.5km s-min=12.4km az=26.0

MAN 09 21:59:40.7, 6:85N-126:10E, h23km, mb4.2, ML3.0, MS2.7

ISC 09 21:59:38.4:2.9, 6:63N-105:126:22E:0.08, h28km, 21km, n11, $\phi=91/16, mb3.4/3, 3C-1D, Mindanao$

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

IDC 09 22:03:22.2:1.4, 37:80N-144:06E, h0km, mb3.5/4, mb1 3.7/7, mb1mx3.5/4.5, mbtm3.6/7, ML3.8/2, Error ellipse: s-maj=31.3km s-min=25.6km az=88.0

ISC/JB 09 22:03:24.9:0.7, 37:87N-144:143:0E:0.05, h33km, mb3.5/4, Error ellipse: s-maj=6.7km s-min=5.9km az=145.0

JMA 09 22:03:25.7:0.2, 37:86N-143:87E, h52km, M3.7

ISC 09 22:03:27.0:1.1, 37:89N-143:94E:0.07, h35km, n24, $\phi=178/37, mb3.5/4, Off east coast of Honshu$

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

2012 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JKB Kayabe, JOD2 Odawara 2, JCH Churui, etc.

IDC 09 22:09:50.2:2.6, 38:31N-144:49E, h0km, mb3.5/4, mb1 3.6/6, mb1mx3.4/4.2, mbtm3.6/6, ML2.9/2, Error ellipse: s-maj=66.1km s-min=27.3km az=65.0

ISC/JB 09 22:09:54.0:2.9, 38:31N-144:04E:0.07, h29km, mb3.4/4, Error ellipse: s-maj=8.3km s-min=7.5km az=162.9

JMA 09 22:09:54.0:2.6, 38:31N-144:05E, h40km, M3.5

ISC 09 22:09:55.3:1.3, 38:31N-144:06E:0.09, h29km, n20, $\phi=158/31, mb3.5/4, Off east coast of Honshu$

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

IDC 09 22:15:21.5:1.0, 38:18N-144:11E, h0km, mb3.8/8, mb1 4.0/10, mb1mx3.7/4.5, mbtm3.8/10, ML3.0/2, Error ellipse: s-maj=26.1km s-min=21.8km az=7.0

ISC/JB 09 22:15:22.9:0.5, 38:31N-144:03E:0.04, h14km, mb4.1/12, Error ellipse: s-maj=5.6km s-min=4.4km az=152.8

JMA 09 22:15:24.0:2.0, 38:28N-144:06E, h41km, M3.6

NEIC 09 22:15:27.1:0.6, 38:31N-144:08E, h35km, mb4.8/4, Error ellipse: s-maj=19.5km s-min=10.1km az=147.0

ISC 09 22:15:23.7:0.8, 38:28N-144:10E:0.07, h14km, n46, $\phi=186/62, mb4.1/12, Off east coast of Honshu$

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

MJA 09 22:16:11.6:0.9, SNR=2.3

MAJ0 Matsushiro 5.00 251 eP Sn 22 16 39.8 +1.4

MAJ1 Matsushiro 5.00 251 P Sn 22 16 39.4 +1.0

MAJ2 Matsushiro 5.00 252 eP Sn 22 16 39.6 +0.6

MAJ3 Matsushiro 5.03 235 P Sn 22 16 38.1 +0.6

USA0B Utsuriyask Arr 10.86 307 eP Sn 22 18 00.7 +2.0

USKR Utsuriyask Arr 10.86 307 eP Sn 22 18 01.1 +2.4

KS15 Wonju Array Si 12.85 271 Pn 22 18 28.1 +2.2

KSAR Wonju Array Be 12.85 271 Pn 22 18 28.1 +2.2

KLR Kul'dur 14.10 325 Pn 22 18 50.1 -0.5

TWG Pinlang 25.02 239 eP Sn 22 20 44.2 -3.1

SONA1 Songino Array 28.90 302 eP P 22 21 23.1 +0.9

SONA0 Songino Array 28.90 302 eP P 22 21 23.2 +0.9

9d 22h 496

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NVAR Mina Array Bea, AKASG Malin Array Be, etc.

ECX 09 22:20:19.1:0.5, 31:25N-115:66W, h5km, MD2.4, ML2.6

MEX 09 22:19:0.0:3.1, 31:25N-115:38W, h20km, 60km, MD3.7

ISC 09 22:19:0.0:3.1, 31:21N-101:115:67W:0.06, h27km, 15km, n11, $\phi=30/19, 3C-2D, Baja California$

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

NNC 09 22:38:32.6:3.2, 36:58N-70:23E, h0km, mb3.8, mpv3.4, 3C-7D, Error ellipse: s-maj=129.0km s-min=0.226km az=129.0, Hindu Kush region

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

JMA 09 22:35:29.0:0.2, 37:85N-143:75E, h50km, M3.5

IDC 09 22:35:34.5:2.1, 38:32N-144:08E, h35km, mb3.5/4, mb1 3.6/6, mb1mx3.4/3.1, mbtm3.5/6, ML3.3/1, Error ellipse: s-maj=45.8km s-min=28.0km az=72.0

ISC 09 22:35:29.7:1.7, 37:83N-144:06E:0.05, h35km, n20, $\phi=183/29, mb3.5/4, Off east coast of Honshu$

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

IDC 09 22:57:13.1:1.5, 1:094S-119:68E, h0km, mb3.6/2, mb1 3.7/6, mb1mx3.5/39, mbtm3.6/6, ML3.5/4, Error ellipse: s-maj=47.2km s-min=21.4km az=40.0

ISC/JB 09 22:57:14.9:0.7, 1:115S-105:119:72E:0.05, h33km, mb3.6/2, Error ellipse: s-maj=8.9km s-min=5.0km az=139.9

DJA 09 22:57:16.1:0.9, 1:115S-105:119:72E:0.06, h35km, n12, mb4.2/1, mb4.3/1, ML3.8/7, MW(B)3.4/1

ISC 09 22:57:16.9:0.1, 1:109S-107:119:77E:0.06, h35km, n12, $\phi=279/19, South of Sumba$

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JMK Ichinoseki, JOM Ohasama, JOT Otama, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H11S2 WAKE ISLAND Hy 27.73 127, MKAR Makanchi Arr 45.34 302, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURK comp=Z,3.0nm,0.3s, ILAR Eielson Array 48.00 33, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSP Ksiaz, UPC Ujice, DPC Dobruska-Polom, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like USRK Ussuriysk Ar, KSRK Korea Array, KSRK Korea Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARCES ARCES Array B, ARCES ARCES Array A, ARCES ARCES Array C, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JMK Ichinoseki, JOM Ohasama, JOT Otama, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H11S2 WAKE ISLAND Hy 27.65 127, MKAR Makanchi Arr 45.34 302, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIED 09 23:50:32.8,0.5,37.79N:143.88E, h0km, Mb4.6/38, etc.

9d 23h

Table with columns: ID, Name, Time, Altitude, Status, Direction, Wind, Temp, etc. Includes entries like CM01 Chiang Mai Arr, SUKH Sukhothai, NVS Novosibirsk, etc.

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Table with columns: ID, Name, Time, Altitude, Status, Direction, Wind, Temp, etc. Includes entries like TKM2 Tokmak 2, IPM Iphoh, PYUN Piuhan, etc.

500

Table with columns: ID, Name, Time, Altitude, Status, Direction, Wind, Temp, etc. Includes entries like VRH Novokhopovorsk, YBH Yreka Blue Hor, YBH Yreka Blue Hor, etc.

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

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Baring Head, Tory Channel, Palliser, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Sufi-Kurgan, Manas, Amlayashu, etc.

NIED 10 03:23:00.37.90N:143:50E, h26km, Mw4.1 Best double couple: M1.400000*1014 NP1.36700000*842.000000, 1.4.0.000000. NP2.36700000*887.000000, 1.32.000000.

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

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VNA1, VNA2, SNA, etc.

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

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

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

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

NEIC 10 04:01:18.6:0.0, 15:67N:96:82W, h16km, MD4.0(MEX), After MEX

MEX 10 04:01:18.5:0.0, 15:67N:96:81W, h16km, 5km, MD4.0, Near coast of Oaxaca

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

DDA 10 04:05:42.8, 37:17N:43:71E, h12km, M12.6

ISCN 10 04:05:44.4, 37:19N:43:50E, h0km, MLL2.5

ISC 10 04:05:45.5, 37:27N:43:60E, h4km, 1km, MLL2.5/3

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

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

IDC 10 04:13:54.5:1.6, 37:74N:143:85E, h0km, mb3.5/2, mb1 3.8/3, mb1mx3.3/40, mbtmp3.4/3, ML3.4/1, Error ellipse: s-maj=58.1km s-min=30.0km az=127.0

ISCJB 10 04:13:55.6:1.1, 37:88N:0:08:143:6E:0.1, h19km, mb3.6/2, Error ellipse: s-maj=11.7km s-min=1.3km az=32.3

JMA 10 04:13:57.0:2.0, 37:94N:143:58E, h39km, M3.3

ISC 10 04:13:57.3:1.4, 37:93N:0:09:143:6E:0.1, h19km, n15, $\phi=60^{\circ}14'$, Off east coast of Honshu

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

IDC 10 04:18:35.0:1.0, 48:69N:154:63E, h55km, 7km, mb3.2/9, mb1 3.4/10, mb1mx3.3/46, mbtmp3.5/10, MS2.9/2, MS1 2.9/2, ms1mx2.4/18, Error ellipse: s-maj=24.7km s-min=15.9km az=121.0

MOS 10 04:18:37.6:2.5, 48:76N:156:56E, h25km, mb4.7/1, Error ellipse: s-maj=69.8km s-min=6.6km az=81.5

KRSC 10 04:18:37.6:2.1, 48:76N:156:56E, h25km, 29km, ML4.6

ISC 10 04:18:35.2:0.8, 48:70N:155:0E:0.1, h51km, n39, $\phi=25^{\circ}17'$, mb3.5/10, Kuril Islands

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

DALK Dainy 4.95 27 eP Pn 04 19 48.1 +1.3

DALK Dainy 4.95 27 eP Pn 04 19 48.1 +1.3

DOK Koryaka 5.14 25 eP Pn 04 19 51.9 +2.3

KVK Koryaka 5.14 25 eP Pn 04 19 51.9 +2.3

AVH Avacha 5.15 26 eP Pn 04 19 52.3 +3.5

KRX Arik 5.21 25 eP Pn 04 19 52.3 +2.7

KRX Arik 5.21 25 eP Pn 04 19 52.3 +2.7

GNL Ganaly 5.34 19 eP Pn 04 19 54.8 +2.2

SPN Mys Shipunski 5.43 34 eP Pn 04 19 53.6 +0.1

SPN Mys Shipunski 5.43 34 eP Pn 04 19 53.6 +0.1

Kul'dur 15.28 281 LR LR 04 20 48.0 -6.6

Talya 32.47 295 LR LR 04 39 05.6

ILAR Eielson Array 34.23 40 pP Pn 04 25 16.0 +0.4

ILAR Eielson Array 34.23 40 pP Pn 04 25 16.0 +0.4

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

ISCJB 10 04:24:23.9:1.0, 29:14S:0:06:69:12W:0:04, h118km, 12km, Error ellipse: s-maj=9.6km s-min=6.4km az=1.7

GUC 10 04:49:24.0:0.6, 28:17S:69:17W, h108km, 6km, ML3.5

SJA 10 04:49:24.5:0.5, 28:18S:68:99W, h127km, 3km, ML3.2, MW3.4

ISC 10 04:49:24.0:1.8, 28:12S:0:06:69:14W:0:04, h120km, 15km, n13, $\phi=89^{\circ}21'$, Chile-Argentina border region

VCA Vinchina 1.02 127 eP Pn 04 49 47.0 +0.6

VCA Vinchina 1.02 127 eP Pn 04 49 47.0 +0.6

GO03 Copiap 1.10 298 eP Pn 04 49 47.1 0.0

GO03 Copiap 1.10 298 eP Pn 04 49 47.1 0.0

LOO Las Campanas 1.64 237 eP Pn 04 49 53.5 +0.1

LOO Las Campanas 1.64 237 eP Pn 04 49 53.5 +0.1

ACDV Cuesta del Vie 2.05 180 iP Pn 04 49 59.5 +1.3

ACCC CERRO LA CRUZ 2.32 125 iP Pn 04 50 29.2 -1.2

GO04 Cerro Coronel 2.46 179 iP Pn 04 50 05.1 +1.5

GO04 Tololo Observa 2.51 215 iS Pn 04 50 35.2 +0.2

GO04 Tololo Observa 2.51 215 iS Pn 04 50 35.2 +0.2

LSCH La Serena 2.57 225 eP Pn 04 50 04.3 -0.4

CYA Choya 2.96 97 iP Pn 04 50 09.5 -0.2

APLL PUNTA DE LOS L 3.22 136 iP Pn 04 50 13.1 -0.1

APLL PUNTA DE LOS L 3.22 136 iP Pn 04 50 13.1 -0.1

RTLL Cerro Villuncun 3.25 170 iP Pn 04 50 14.6 +1.0

RTLL Cerro Villuncun 3.25 170 iP Pn 04 50 14.6 +1.0

FSF Cafayete 3.45 95 iP Pn 04 50 17.7 +1.3

NIED 10 04:52:00:37:90N:143:60E, h32km, Mw3.7 Best double couple: Mb3.4100x1014 NPI1.0x317.00000: .875.00000: .2167.00000: NIP2.50.00000: .877.00000: .15.00000:

IDC 10 04:52:41.4:2.3, 37:98N:143:93E, h0km, mb3.6/4, mb1 3.7/6, mb1mx3.5/37, mbtmp3.6/6, ML3.5/2, Error ellipse: s-maj=56.5km s-min=27.9km az=64.0

ISCJB 10 04:52:45.9:1.1, 37:86N:0:07:143:6E:0.1, h33km, mb3.5/4, Error ellipse: s-maj=10.3km s-min=9.4km az=152.7

JMA 10 04:52:45.7:0.2, 37:94N:143:63E, h43km, M3.5

ISC 10 04:52:47.8:1.6, 37:92N:0:08:143:6E:0.1, h35km, n22, $\phi=84^{\circ}21'$, mb3.3/4, Off east coast of Honshu

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

Table with columns: JIO, Ouri, 1.86 287 P, Pn, 04 53 16.2 -0.9, SHLS 11nm,0.2s eS Sn 06 06 00.7 -5.8

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

DJA 10 05:08:29.0±0.5, 8°S 5°E, 11°4E, h10km, M2.7/5, Mlv2.7/5, Jawa

ISCJB 10 05:35:40.5±1.0, 37°51'N, 0°04'143'63"E, 0.7, h33km, mb3.6/3, MS3.0/1, Error ellipse: s-maj=8.3km s-min=6.3km az=13.7

ISC 10 05:35:41.6±2.6, 36°85'N, 143°58'E, h0km, mb3.6/3, mb1 3.7/4, mb1mx3.4/40, mbtmp3.6/4, ML3.3/1, MS3.0/1, Ms1 3.0/1, ms1mx2.3/3.5, Error ellipse: s-maj=71.2km s-min=30.9km az=64.0

JMA 10 05:35:41.2±0.2, 37°56'N, 143°60'E, h53km, M3.5, ISC 10 05:35:41.8±1.9, 37°54'N, 0°06'143'7E, 0.1, h35km, n19, f1507/26, mb3.7/3, Off east coast of Honshu

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

SOME 10 05:54:12.4, 44°35'N, 82°98'E, h5km, NNC 10 05:54:12.9, 44°34'N, 82°82'E, h0km, mb2.6, mpv2.2, Error ellipse: s-maj=12.3km s-min=3.7km az=119.0

ISC 10 05:54:13.9±2.4, 44°36'N, 0°09'82'9E, 0.1, h17km, n6, f1508/9, 4C-2D, Northern Xinjiang

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

SOME 10 06:04:49.7, 44°65'N, 82°17'E, h10km, NNC 10 06:04:52.2, 44°79'N, 81°80'E, h0km, mb3.4, mpv2.9, Error ellipse: s-maj=27.5km s-min=6.0km az=117.0

ISC 10 06:04:53.0±2.4, 44°57'N, 0°09'82'7E, 0.1, h35km, n12, f451/16, 4C-4D, Northern Xinjiang

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

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Table with columns: SHLS, UZB, UZB, SATY, SATY, CHKK, CHKK, KUURB, KUURB, KURK, KURK

ISCJB 10 06:32:08.0±0.7, 18°55'N, 1°168'9E, 0.2, h201km, mb3.9/8, Error ellipse: s-maj=25.2km s-min=14.4km az=164.0

ISC 10 06:32:10.5±6.9, 18°49'S, 168°94'E, h210km, 68km, mb3.7/9, mb1 3.9/9, mb1mx3.6/28, mbtmp3.4/9, MS3.2/2, Ms1 3.2/2, ms1mx2.6/25, Error ellipse: s-maj=25.7km s-min=18.0km az=38.0

ISC 10 06:32:09.3±0.8, 18°55'N, 1°169'0E, 0.2, h201km, n15, f458/13, mb4.0/3, Vanuatu Islands

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

SOME 10 06:45:01.5±1.1, 15°N, 70°97'E, h0km, KRINET 10 06:45:02.8±0.1, 41°36'N, 70°95'E, h14km, mb2.4, NNC 10 06:45:03.8±1.2, 41°16'N, 71°03'E, h0km, mb3.0, mpv2.6, Error ellipse: s-maj=8.9km s-min=6.5km az=71.0

ISC 10 06:45:04.0±1.4, 41°34'N, 0°04'70'8E, 0.03, h2km, n12km, n19, f160/34, 20C-10L, Kyrgyzstan

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

ISC 10 07:35:00.3±1.8, 61°66'N, 152°20'W, h110km, 20km, mb3.5/8, mb1 3.7/12, mb1mx3.4/50, mbtmp3.9/12, Error ellipse: s-maj=16.9km s-min=15.1km az=108.0

ISCJB 10 07:35:01.2±0.2, 61°83'N, 0°02'152'10W, 0.06, h117km, mb3.8/8, Error ellipse: s-maj=4.4km s-min=2.9km az=23.0

NEIC 10 07:35:03.2±0.6, 61°80'N, 152°10'W, h11km, ML3.6(AEIC), After AEIC

NEIC Felt at Palmer, ISC 10 07:35:01.7±0.7, 61°80'N, 0°03'152'11W, 0.04, h117km, n91, f1503/98, mb3.9/8, Southern Alaska

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

MEX 10 07:04:07.4±1.1, 14°56'N, 92°89'W, h16km, 50km, MD3.9, Near coast of Chiapas

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

10d 7h

NIED 10 07:12:00.36°90N, 141°50'E, h5km, Mw3.9 Best double couple: Mb 8.90000°1014° NP1: 353.00000°, 846.00000°, lambda-138.00000°. NP2: 232.00000°, 861.00000°, lambda-52.00000°

ISCJB 10 07:12:03.9±1.2, 36°92'N, 0°04'141'51"E, 0.04, h9km, 7km, mb3.7/10, MS3.2/5, Error ellipse: s-maj=6.4km s-min=5.5km az=135.9

ISC 10 07:12:04.5±0.8, 36°92'N, 141°38'E, h0km, mb3.7/10, mb1 3.9/12, mb1mx3.7/31, mbtmp3.7/12, ML2.7/2, MS3.2/8, Ms1 3.2/8, ms1mx2.8/40, Error ellipse: s-maj=20.4km s-min=19.6km az=80.0

JMA 10 07:12:05.0±0.1, 36°92'N, 141°48'E, h23km, 1km, M3.8, JMA Felt J1, ISC 10 07:12:05.8±1.8, 36°95'N, 0°05'141'37"E, 0.06, h10km, n10km, n33, f088/33, mb3.6/10, MS3.2/5, Near east coast of eastern Honshu

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

ISC 10 07:35:00.3±1.8, 61°66'N, 152°20'W, h110km, 20km, mb3.5/8, mb1 3.7/12, mb1mx3.4/50, mbtmp3.9/12, Error ellipse: s-maj=16.9km s-min=15.1km az=108.0

ISCJB 10 07:35:01.2±0.2, 61°83'N, 0°02'152'10W, 0.06, h117km, mb3.8/8, Error ellipse: s-maj=4.4km s-min=2.9km az=23.0

NEIC 10 07:35:03.2±0.6, 61°80'N, 152°10'W, h11km, ML3.6(AEIC), After AEIC

NEIC Felt at Palmer, ISC 10 07:35:01.7±0.7, 61°80'N, 0°03'152'11W, 0.04, h117km, n91, f1503/98, mb3.9/8, Southern Alaska

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HARP HAARP, PS10 TAPS Pump St10, SCGM Sherman Glacier, etc.

IDC 10 07:43:32.9.2.3, 12'34N, 144'15E, h0km, mb3.7/3, mb1 4.0/3, mb1mx3.4/46, mbtmp3.7/3, Error ellipse: s-maj=194.8km s-min=17.4km az=115.0, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GUMO Guam, H11N1 WAKE ISLAND Hy 23.04 69 T, etc.

IDC 10 07:50:07.3.1.6, 12'26N, 144'29E, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.4/53, mbtmp3.6/4, ML3.2/2, Ms1 3.2/3, ms1mx2.6/39, Error ellipse: s-maj=133.5km s-min=17.0km az=112.0, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GUMO Guam, H11N1 WAKE ISLAND Hy 23.05 69 T, etc.

IDC 10 07:54:00.2.1.9, 8.50S, 147.85E, h0km, mb3.3/2, mb1 3.7/4, mb1mx3.5/38, mbtmp3.6/4, ML3.6/2, Error ellipse: s-maj=46.9km s-min=14.3km az=116.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr 17.33 228 P, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, H11S2 WAKE ISLAND Hy 29.33 4 T, etc.

ISCJB 10 08:04:32.3.0.6, 21'19N, 101'04E, h25km, 4km, Error ellipse: s-maj=6.6km s-min=3.9km az=174.5

TAP 10 08:04:32.3.1.21, 91N, 121.71E, h23km, ML3.5, D

JMA 10 08:04:33.0.2.21, 91N, 121.71E, h23km, ML4.0

ISC 10 08:04:32.7.1.3, 21'31N, 101'06E, h21km, 3km, n40, c06674, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like LAY Lan-yu, TSEB Hengchuen, TWBK Hengchuen, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like JKRS Ishigaki jima, JIJ Ishigakijimahi, etc.

UCR 10 08:06:43.7.1.9, 8.49N, 83.02W, h26km, 4km, MD3.8, 4C-3D, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PTJ1 Puerto Jim'ne, EDSV San Vito, etc.

IDC 10 08:09:18.4.0.9, 4.8S, 96.49E, h0km, mb4.0/10, mb1 4.0/12, mb1mx3.8/66, mbtmp3.9/12, ML4.0/2, MS3.0/3, Ms1 3.1/3, ms1mx2.7/30, Error ellipse: s-maj=23.5km

ISCJB 10 08:09:21.1.0.4, 0.43S, 0.43E, h0km, 4.7km, mb4.0/15, Error ellipse: s-maj=5.8km s-min=4.7km az=173.0

DJA 10 08:09:21.2.0.8, 0.53S, 97.7E, h1km, 6.5km, ML4.5/14, mb4.8/5, MLV4.4/14

NEIC 10 08:09:23.9.0.5, 0.38S, 96.65E, h35km, mb4.4/5, Error ellipse: s-maj=10.4km s-min=8.1km az=64.0

ISC 10 08:09:23.6.0.7, 0.45S, 106.96E, h59E, 0.07, h35km, n64, c1963/64, mb4.1/15, Southwest of Sumatra

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PBSI Pulau Batu, GSI Gunungsitoli, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Zalesovo Array, Borovoye Array, MATPO, etc.

ISCJB 10 08:16:42.1±0.5, 44.71S±0.09, 35.9E±0.2, h10km, mb4.1/11, MS3.7/13, Error ellipse: s-maj=22.2km s-min=9.5km az=154.8

IDC 10 08:16:42.1±0.7, 44.74S±36.11E, h0km, mb4.1/9, mb1.4/2/10, mb1mx4.0/37, mbtmp4.1/10, ML3.8/15, MS3.6/15, Ms1.3, 0.15, ms1m3x2.9/20, Error ellipse: s-maj=35.9km s-min=15.6km az=66.0

NEIC 10 08:16:43.9±0.5, 44.72S±35.96E, h10km, mb4.4/6, Error ellipse: s-maj=21.2km s-min=9.0km az=65.0

ISC 10 08:16:43.9±0.8, 44.77S±0.1±35.9E±0.2, h10km, n37, s102/22, mb4.2/11, MS3.7/13, Prince Edward Islands region

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including Sutherland, Boshof, Lobatse, etc.

IDC 10 08:32:12.4±0.9, 15.09S±172.93W, h0km, mb3.8/8, mb1.4/2/8, mb1mx3.9/42, mbtmp3.8/8, MS3.2/3, Ms1.3/2, ms1mx2.9/40, Error ellipse: s-maj=49.4km s-min=17.2km az=138.0

ISCJB 10 08:32:15.3±0.7, 15.1S±0.2±173.0W±0.2, h2km, mb3.8/8, MS3.1/3, Error ellipse: s-maj=39.5km s-min=9.2km az=137.0

ISC 10 08:32:16.9±0.9, 15.1S±0.3±172.9W±0.3, h2km, n13, s076/10, mb4.0/8, MS3.2/3, Samoa Islands region

Continuation of station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AFi, DZM, PPT, etc.

NIED 10 08:41:00.32±0.0N, 141.40E, h5km, Mw4.7, Best double couple: M0.120000x1016 Np1.35174.00000°, 37.00000°

1.86.00000°, NP2.358.00000°, 883.00000°, 9.91.00000°. JMA 10 08:41:41.9±0.3, 32.53N±141.43E, h1km, M4.6 MOS 10 08:41:42.6±1.1, 32.42N±141.36E, h2km, mb4.8/36, Error ellipse: s-maj=10.0km s-min=5.5km az=110.5

NEIC 10 08:41:43.5±2.3, 32.28N±141.31E, h16km, mb4.5/32, Error ellipse: s-maj=6.1km s-min=5.2km az=88.0

ISCJB 10 08:41:44.0±0.2, 32.38N±0.03±141.33E±0.03, h31km, mb4.5/80, MS3.9/14, Error ellipse: s-maj=4.3km s-min=3.7km az=140.6

IDC 10 08:41:45.8±3.7, 32.38N±141.30E, h31km, mb2.4/18, mb1.4/3/21, mb1mx4.1/42, mbtmp4.3/21, ML3.4/3, MS3.7/13, Ms1.3, 0.15, ms1m3x2.9/20, Error ellipse: s-maj=17.5km s-min=15.0km az=117.0

ISC 10 08:41:45.1±0.4, 32.35N±0.05±141.34E±0.05, h31km, n245, s134/250, mb4.6/80, MS3.9/14, 18C-5D, Southeast of Honshu

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including JAOM, HJJC, HJH, etc.

SOMI Songino Array 30.57 311 LR 09 00 47.3 GYA Guiyang 30.68 268 eP 08 47 58.6+1.4

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including GYA, LZH, CD2, etc.

Table of astronomical observations for 10d 9h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2015 DEC, listing station names, coordinates, and observation details.

Table of astronomical observations for 512, listing station names, coordinates, and observation details.

Table with columns: CHOS, comp=N, 4651um, 0.4s, AML, AML, 09 49 15.3, etc. Lists various astronomical objects and their properties.

Table with columns: GCUF, YOTOCO, PRADO, BAHIA MALAGA, PUERTO LEGUIZA, SANTA ANA, TOLIMA, etc. Lists astronomical objects with their names and coordinates.

Table with columns: TGRZ, TKGZ, MWZ, Urewera, Edgcombe, etc. Lists astronomical objects with their names and coordinates.

RSNC 10 10:50:48.2+1.6, 2.19N:76.08W, h4km, 9km, ML4.1, Mw4.0, IGQ 10 10:50:50.2+1.5, 2.1N:76.5W, 1.0, h25km, MLV5.3/3, NEIC 10 10:50:52.4+0.7, 2.17N:76.04W, h54km, 8km, mb4.3/4, Error ellipse: s-maj=9.1km s-min=6.4km az=87.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station names and their coordinates.

NIED 10 11:11:00, 37.80N:143.80E, h5km, Mw4.0 Best double couple: M1-30000-10: N1P1: 44.00000, 839.00000, 1.05.00000: NP2: 243.00000, 852.00000, 1.7-78.00000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station names and their coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station names and their coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station names and their coordinates.

Table with columns: Station Name, Azimuth, Elevation, Time, Residual, and other parameters. Includes stations like BSO1, JOT, ERM, etc.

Table with columns: Station Name, Azimuth, Elevation, Time, Residual, and other parameters. Includes stations like KURK, ILAR, ILB, etc.

Table with columns: Station Name, Azimuth, Elevation, Time, Residual, and other parameters. Includes stations like IUG, BTK, BTK, etc.

MEX 10 11:49:47.0, 4.0, 13:97N:92:68W, h16km, 999km, MD4.0, Off coast of Chiapas

JMA 10 12:00:38.4, 0.2, 37:85N:143:88E, h41km, M3.7, IDC 10 12:00:43.4, 1.2, 38:20N:142:85E, h0km, mb3.7/6,

ISC 10 11:25:12.9, 1.9, 31:50S:104:69:84W, 0.05, h121km, 16km, n15, e=0.61/28, 2C-4D, San Juan Province

ISC 10 11:25:12.9, 1.9, 31:50S:104:69:84W, 0.05, h121km, 16km, n15, e=0.61/28, 2C-4D, San Juan Province

ISC 10 11:25:24.0, 0.0, 11:36S:77:23W, h51km, ML4.3(ARE), After AIRE, Near coast of Peru

MAN 10 11:45:00.6, 16:42N:120:53E, h26km, mb4.7, ML3.6, MS3.5, Luzon

SOME 10 11:47:43.9, 40:88N:69:72E, h0km, NNC 10 11:47:43.9, 4.7, 40:93N:69:50E, h0km, mb3.6, mpv3.2,

ISC 10 11:47:49.3, 1.2, 41:00N:70:11E, mb3.1, n20, e=28/35, 21C-9D, Kyrgyzstan

MAN 10 11:45:00.6, 16:42N:120:53E, h26km, mb4.7, ML3.6, MS3.5, Luzon

ISC 10 12:04:00.4, 0.7, 4:35N:10:05:96:66E, 0.08, h150km, mb3.5/5, Error ellipse: s-maj=12.1km s-min=6.9km

ISC 10 12:04:01.1, 4.9, 4:51N:96:70E, h135km, 28km, mb3.3/5, mb1 3.4/6, mb1mx3.1/67, mbtmp3.7/6, Error ellipse:

ISC 10 12:04:01.1, 4.9, 4:51N:96:70E, h135km, 28km, mb3.3/5, mb4.4/4, mb5.6/2, MLV4.0/12, Mw(mb)5.1/2

ISC 10 12:04:01.1, 4.9, 4:38N:10:06:96:87E, 0.09, h150km, n18, s=181/23, mb3.5, Northern Sumatra

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

IDC 10 12:04:12.9:1.4, 7.10S:144.08E, h0km, mb3.9/5, mb1 3.9/8, mb1mx3.7/47, mbtmp3.8/8, ML2.9/1, MS3.2/4, Ms1 3.2/4, ms1mx2.6/37, Error ellipse: s-maj=34.2km s-min=25.8km az=78.0

ISCJB 10 12:04:15.2:0.8, 7.25S:0.1:144.11E:0.08, h30km, mb4.0/4, MS3.0/3, Error ellipse: s-maj=16.5km s-min=9.2km az=32.3

ISC 10 12:04:17.1:1.0, 7.25S:0.1:144.11E:0.1, h30km, n10, o65/9, mb4.0/4, MS3.0/3, Near south coast of New Guinea

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

IDC 10 12:04:40.5:1.3, 7.26S:144.18E, h0km, mb3.8/4, mb1 4.0/7, mb1mx3.7/47, mbtmp3.8/7, ML3.2/1, Error ellipse: s-maj=30.9km s-min=23.9km az=64.0

ISCJB 10 12:04:43.6:0.9, 7.45S:0.1:144.10E:0.08, h33km, mb3.8/3, Error ellipse: s-maj=18.0km s-min=9.7km az=26.1

ISC 10 12:04:45.6:1.1, 7.45S:0.1:144.10E:0.1, h35km, n07, o65/7, mb3/3, Near south coast of New Guinea

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

KRNET 10 12:11:07.8:0.1, 39.43N:72.02E, h12km, mb3.5

IDC 10 12:11:08.3:1.7, 39.45N:72.06E, h0km, mb3.8/5, mb1 3.8/11, mb1mx3.6/68, mbtmp3.7/11, ML3.3/6, MS2.7/3, Ms1 2.8/3, ms1mx2.4/58, Error ellipse: s-maj=28.9km s-min=15.3km az=147.0

ISCJB 10 12:11:08.3:0.6, 39.35N:0.04:72.02E:0.03, h10km, mb3.7/6, MS2.8/1, Error ellipse: s-maj=5.9km s-min=3.7km az=177.0

SOME 10 12:11:08.8, 39.45N:72.08E, h5km

NMC 10 12:11:08.2:3.0, 39.32N:72.11E, h0km, mb4.2, mpv3.9, Error ellipse: s-maj=28.9km s-min=10.8km az=174.0

BJI 10 12:11:08.5, 39.58N:71.81E, h5km, mb3.6/1, ML3.3/6

ISC 10 12:11:08.7:0.8, 39.39N:0.05:72.01E:0.03, h10km, n60, o257/93, mb3.7/6, 38C-18D, Kyrgyzstan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BATKEN, SUFI-KURGAN, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like UCHT, MRKS, EKS2, etc.

ISCJB 10 12:11:10.3:0.5, 24.29S:0.05:67.07W:0.04, h193km, 6km, mb3.2/1, Error ellipse: s-maj=6.2km s-min=4.5km az=23.9

IDC 10 12:11:11.8:1.8, 24.25S:66.90W, h181km, 17km, mb3.2/1, mb1 3.2/7, mb1mx3.1/29, mbtmp3.6/7, Error ellipse:

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

NIED 10 12:14:00, 36.90N:141.50E, h5km, Mw3.7 Best double couple: M3.92000x1014 NP1.9812.000000, 549.000000, lambda-128.000000. NP2.q=242.000000, lambda-55.000000.

ISCJB 10 12:14:38.2:1.2, 36.94N:0.04:141.56E:0.05, h8km, 6km, mb3.8/7, Error ellipse: s-maj=7.0km s-min=5.9km az=139.8

IDC 10 12:14:39.1:1.0, 36.96N:141.42E, h0km, mb3.7/7, mb1 3.9/9, mb1mx3.6/58, mbtmp3.7/8, ML3.1/2, MS2.8/3, Ms1 2.8/3, ms1mx2.4/48, Error ellipse: s-maj=23.4km s-min=19.6km az=118.0

JMA 10 12:14:40.2:0.1, 36.93N:141.148E, h24km, 1km, M3.7

ISC 10 12:14:39.9:1.9, 36.95N:0.05:141.49E:0.07, h7km, 10km, n27, o114/30, mb3.9/7, Near east coast of eastern Honshu

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

DJA 10 12:18:03.0:1.0, 3.5S:6.14E:1.2, h10km, M4.7/3,

10d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAY Jayapura, GENI Geniem, MMPI Merauke.

NIED 10 12:30:00, 37.80N, 143.90E, h5km, Mw3.6 Best double couple: M=2.68000e+10, NP1=188.00000, delta.00000, lambda.127.00000, NP2=49.00000, delta.00000, lambda.72.00000

IDC 10 12:30:22.4, 1.1, 37.76N, 144.06E, h0km, mb3.8/7, mb1.4/0.10, mb1mx3.7/44, mbtmp3.9/10, ML3.8/2, Error ellipse: s-maj=30.0km, s-min=20.6km, az=87.0

ISCJB 10 12:30:25.3, 0.5, 37.77N, 143.91E, 0.0/4, h33km, mb4.0/9, Error ellipse: s-maj=5.2km, s-min=4.5km, az=38.7

JMA 10 12:30:26.1, 0.2, 37.83N, 143.88E, h46km, M3.7, NEIC 10 12:30:27.0, 0.5, 37.80N, 143.99E, h35km, mb4.0/1, Error ellipse: s-maj=9.6km, s-min=7.3km, az=124.0

ISC 10 12:30:27.6, 0.8, 37.81N, 143.94E, 0.07, h35km, n50, e190, 59, mb3.9/9, Off east coast of Honshu

Main station list table for the 10d 12h period, including stations like IJKB Ishinomakikobu, JIO Ouri, JKM Kesenumamototy, etc.

NIED 10 12:33:00, 37.80N, 143.80E, h5km, Mw4.0 Best double couple: M=9.72000e+10, NP1=180.00000, delta.00000, lambda.110.00000, NP2=223.00000, delta.00000, lambda.77.00000

IDC 10 12:33:45.2, 0.8, 37.69N, 144.08E, h0km, mb3.8/12, mb1.4/0.18, mb1mx3.9/51, mbtmp3.9/18, ML3.8/5, MS3.0/3, Ms1.3/0.3, ms1mx2.4/41, Error ellipse: s-maj=20.3km, s-min=16.2km, az=109.0

NEIC 10 12:33:46.7, 1.7, 37.71N, 144.10E, h10km, 10km, mb4.5/4, Error ellipse: s-maj=6.0km, s-min=3.5km, az=120.0

ISCJB 10 12:33:48.1, 1.3, 37.76N, 143.94E, 0.07, h24km, 10km, h31km, 10km, mb4.0/16, Error ellipse: s-maj=5.5km, s-min=4.8km, az=150.2

JMA 10 12:33:49.0, 0.1, 37.82N, 143.85E, h46km, M4.0, ISC 10 12:33:49.1, 1.4, 37.80N, 143.94E, 0.07, h24km, 10km, n62, e177/80, mb4.0/16, Off east coast of Honshu

2012 DEC Pn

Main station list table for the 2012 DEC Pn period, including stations like JKB Kayabe, MJAR Matsushiro Arr, MAJO Matsushiro, etc.

UCR 10 12:36:13.8, 2.1, 8.75N, 82.64W, h9km, 5km, MD3.5, ML3.5, 1D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRU2 Volcan, BRU2 comp=Z,14mu,0.1s, etc.

NIED 10 12:43:00, 37.60N, 143.70E, h5km, Mw4.3 Best double couple: M=3.04000e+10, NP1=180.00000, delta.00000, lambda.90.00000, NP2=190.00000, delta.00000, lambda.90.00000

IDC 10 12:43:19.1, 0.6, 37.55N, 143.79E, h0km, mb4.1/21, mb1.4/3/28, mb1mx4.2/60, mbtmp4.1/28, ML3.8/6, MS3.4/3, Ms1.3/4/13, ms1mx3.1/35, Error ellipse: s-maj=16.1km, s-min=12.8km, az=121.0

MOS 10 12:43:21.3, 1.0, 37.67N, 143.73E, h27km, mb4.6/25, Error ellipse: s-maj=8.9km, s-min=5.6km, az=102.8

JMA 10 12:43:22.0, 2.0, 37.61N, 143.66E, h55km, M4.2, NEIC 10 12:43:25.0, 0.4, 37.57N, 143.88E, h39km, 3km, mb4.5/19, Error ellipse: s-maj=6.9km, s-min=5.0km, az=128.0

ISC 10 12:43:24.5, 0.6, 37.71N, 143.91E, 0.05, h32km, 3km, h32km, pp-P, n162, e180/175, mb4.4/63, MS3.5/13, SC, Off east coast of Honshu

Main station list table for the 2012 DEC Pn period, including stations like IJKB Ishinomakikobu, JIO Ouri, JKM Kesenumamototy, etc.

520

Main station list table for the 520 period, including stations like MJAR Matsushiro Arr, MAJO Matsushiro, MJBS Matsu-Tunnel, etc.

Table with columns: Station Name, Frequency, Power, SNR, and other technical details. Includes stations like GTA, AKASG, KIEV, PDAR, ULM, BUR08, etc.

Table with columns: Station Name, Frequency, Power, SNR, and other technical details. Includes stations like NOA, AKASG, KIEV, PDAR, ULM, BUR08, etc.

Table with columns: Station Name, Frequency, Power, SNR, and other technical details. Includes stations like TUIG, TECA, VHO, VHO, VHO, etc.

TEH 10 12:47:34,30;56N;27.0E, h10km, ML3.6, Northern

Table listing station names and technical details for the TEH 10 12:47:34,30;56N;27.0E, h10km, ML3.6, Northern event.

UCR 10 12:52:19.3;1.4;91N;92.41W, h5km, 108km, MD4.2

Table listing station names and technical details for the UCR 10 12:52:19.3;1.4;91N;92.41W, h5km, 108km, MD4.2 event.

ISC 10 12:52.21.0;7.14;79N;0.06;92.55W;0.05, h75km, 6km

Table listing station names and technical details for the ISC 10 12:52.21.0;7.14;79N;0.06;92.55W;0.05, h75km, 6km event.

JMA 10 13:04:05.6;0.1, 34.75N;137.64E, h25km, 1km, M2.6

2C-4D Broadband fault plane solution: P waves. NP1: 296.00000, 886.00000, 1.160.00000. NP2: 27.00000, 870.00000, 1.4.00000. Principal axes: T P1g17.00000, Azm250.00000, N P1g70.00000, Azm105.00000, P P1g11.00000, Azm343.00000; Near

south coast of eastern Honshu

Table listing station names and technical details for the south coast of eastern Honshu event.

ISC 10 13:38:11.9;0.9, 37.75N;143.61E;0.07, h33km

mb3.5/4, Error ellipse: s-maj=7.7km s-min=6.2km az=78 JMA 10 13:38:13.1;0.2, 37.77N;143.51E; h1km, M2.8 JDC 10 13:38:14.8;1.2, 36.96N;143.23E, h0km, mb3.5/4, mb1.3/6.5, mb1mx3.4/30, mbtmp3.4/5, ML3.0/1, Error ellipse: s-maj=33.8km s-min=26.5km az=100.0

ISC 10 13:38:14.1;1.8, 37.77N;143.63E;0.1, h35km, m16

Table listing station names and technical details for the ISC 10 13:38:14.1;1.8, 37.77N;143.63E;0.1, h35km, m16 event.

10d 15h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ishinomakikobu, Kesennumototy, Ofunato, Ichinoseki, Ohasama, Otama, Kaneyama, Nango, Ashikaga, Boso 1, Ryogami san, Odawara 2, Matushiro Arr, MJAR, MAT, JCH, ASAJ, MKAR, WRA, ASAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ishinomakikobu, Kesennumototy, Ofunato, Ichinoseki, Ohasama, Otama, Kaneyama, Nango, Ashikaga, Boso 1, Ryogami san, Odawara 2, Matushiro Arr, MJAR, JCH, ASAJ, H1N2, H1N1, H1N3, WRA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Sart Tilman, La Chartreuse, Membach, Eben Enmael, Heimangroevre, Clavier, Houvegnez, Gesves, Rochefort, Kalborn, Steenkerk.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Coronel Fontan, Cerro Valdivia, Leoncito, Salagasta, CERRO ARCO, Cuesta del Vie, Rodeo.

2012 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Punta de los L, Guandacol, Combarbala, Peldehue, Tololo Observa, El Roble, Las Melosas, La Serena, Las Campanas, Hanur-Agry.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Puento Sto Nin, Mezcala, Platanillo, Zihuatanejo, El Cayaco, El Cayaco, El Cayaco, TLiag, CMIG, APG, TXAR, ANMO, NVAR, PDAR, ULM, YKA, INK, ARCES.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ishinomakikobu, Ofunato, Ichinoseki, Ohasama, Otama, Kaneyama, Nango, Ashikaga, Ryogami san, Odawara 2, Matushiro Arr, MJAR, MAT.

522

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Churui, Eielson Array, Warramunga Arr, Ishinomakikobu, Ouri, Kesennumototy, Ofunato, Ichinoseki, Okura, Ohasama, Otama, Kaneyama, Rokugo, Ashikaga, Oshata, Ryogami san, Urakawa-nobuka, Matushiro Arr, MJAR, MAT, WRA, ASAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Muz Dzonk, Urewera, CTa, STKA, ASAR, WRA, Ishinomakikobu, Ouri, Kesennumototy, Ofunato, Ichinoseki, Oshata, Ryogami san, Urakawa-nobuka, Matushiro Arr, MJAR, MAT, WRA, ASAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Temuco, Valdivia, Curarrehue, Curarrehue, San Pedro de C, Chile, Paso Flores, Hualaeso, Hualaeso, Milladeo Hill, Peldehue, El Roble, El Roble, Vizaacheras, Agreco, AUSA, Leoncito, Cerro Valdivia, Cochrane, Cerro Villicura, San Martin, Cerro Valdivia, Cochrane, Cerro Villicura, San Martin, Miladeo Observa, Las Campanas, Guandacol, Cerro Castillo, Mina Guanaco, Punta Arenas, Ushuaia, East Falkland, IOPC Station P, IOPC Station P, Villa Florida.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB11, LPAZ, BDFB, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLCA, PASO FLORES, BDFB, etc.

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

IDC 10 15:42:26.3-3.4, 37:00N:70.66E, h0km, mb3.6, mpv3.3, az=171.0, Hindu Kush region

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

IDC 10 15:48:18.8-57.0, 15:81S:176.97W, h0km, mb3.7/3, ms1 mx3.0/4.9, Error ellipse: s-maj=1063.0km, s-min=190.7km az=77.0, Fiji Islands region

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

NIED 10 15:38:00.37, 60N:143.60E, h5km, Mw4.0, Best double couple: Mo:1.70000e+10, NP:1.850000e+08, delta:0.00000e+00, lambda:128.00000e+00

ISCJB 10 15:40:50.0-0.5, 48:82S:0:09-8:5W, 0.2, h10km, mb4.1/13, MS4.0/16, Error ellipse: s-maj=15.3km s-min=11.6km az=26.2

IDC 10 15:40:50.0-0.7, 48:88S:8:44W, h0km, mb4.0/12, mb1.4/12, mb1mx4.0/27, mbtmp4.0/12, MS4.0/16, MS1.3/9.16, ms1mx3.8/26, Error ellipse: s-maj=20.2km s-min=16.6km az=107.0

IDC 10 16:05:49.5 1.7, 9.49N, 126.99E, h0km, mb3.8/6, mb1 4.0/7, mb1mx3.7/48, mbtpr3.9/7, ML4.7/1, MS2.7/1, Ms1 2.9/1, ms1mx2.3/51, Error ellipse: s-maj=68.1km s-min=17.7km az=68.0

MAN 10 16:05:53.7 9.32N, 126.81E, h21km, mb4.7, ML3.6, MS3.5, ISCJB 10 16:05:54.1 1.1, 9.34N, 0.04E, 126.89E, 0.08, h47km, 11km, s-maj=7.6km, MS2.6/1, Error ellipse: s-maj=14.2km s-min=5.7km az=168.2

ISC 10 16:05:55.2 1.2, 9.28N, 0.04E, 126.9E, 0.1, h36km, 3km, n19, e165/27, mb3.7/6, 1C-2D, Mindanao

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

NIED 10 16:07:00.38, 00N, 144.10E, h5km, Mw4.0 Best double couple: Mo:1.5000e+10, NP1:18.0000e+02, 020.0000e+00, lambda:107.0000e+00, NP2:216.0000e+02, 071.0000e+00, lambda:84.0000e+00

IDC 10 16:07:52.3 0.7, 37.81N, 144.40E, h0km, mb4.0/12, mb1 4.1/8, mb1mx3.9/61, mbtpr4.0/18, ML3.9, MS3.1/2, Ms1 3.1/2, ms1mx2.5/54, Error ellipse: s-maj=18.4km s-min=14.3km az=106.0

ISCJB 10 16:07:55.2 1.4, 37.35N, 0.03E, 144.17E, 0.04, h39km, 10km, mb4.2/15, MS3.0/1, Error ellipse: s-maj=5.7km s-min=1.6km az=170.3

JMA 10 16:07:56.2 0.1, 37.95N, 144.07E, h40km, M4.0, NEIC 10 16:07:57.2 0.5, 37.85N, 144.24E, h35km, mb4.5/3, Error ellipse: s-maj=9.7km s-min=7.3km az=106.0

ISC 10 16:07:57.5 2.4, 38.04N, 0.03E, 144.12E, 0.03, h28km, 18km, n60, e158/60, mb4.3/15, 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 Ishinomakikobu, Ofunato, Kesennumototy, etc.

ASAJ Ashikawa 6.18 350 Pn 16 09 27.3 +0.4

ASAJ Ashikawa 6.18 350 ePn 16 09 27.3 +0.4

ASAJ Ashikawa 6.18 350 ePn 16 09 27.3 +0.4

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ASAJ Ashikawa 6.18 350 ePn 16 09 27.3 +0.4

INK Inuvik 52.51 28 eP 16 17 05.9 -1.7

WRAB Tennant Creek 58.39 191 eP 16 17 48.0 -2.5

WB2 Warramunga Arr 58.40 191 eP 16 17 47.1 -3.4

WRI Warramunga Arr 58.40 191 eP 16 17 48.2 -2.3

WRA Warramunga Arr 58.40 191 P 16 17 48.2 -2.3

FITZ Fitzroy Crossi 58.49 201 P 16 17 49.1 -1.9

ABKAR Abkulate array 58.93 310 eP 16 17 54.6 +0.7

RES Resolute Bay 61.08 15 P 16 18 07.4 -1.0

RES Resolute Bay 61.08 15 eP 16 18 07.3 -1.0

ASAR Alice Springs 62.12 191 P 16 18 14.1 -1.9

ARAO ARCES Array S 63.81 340 P 16 18 27.2 +2.0

ARCES ARCES Array B 63.81 340 P 16 18 28.7 +2.0

NVAR Mina Array Bea 72.66 55 P 16 19 23.4 +0.4

ISCJB 10 16:09:39.0 0.4, 15.32S, 0.05E, 72.55W, 0.08, h114km, mb3.9/9, Error ellipse: s-maj=12.8km s-min=4.1km az=148.3

IDC 10 16:09:39.0 1.7, 15.08S, 0.27E, 72.8W, h88km, 18km, mb3.7/8, mb1 3.9/13, mb1mx3.7/46, mbtpr4.1/13, Error ellipse: s-maj=28.5km s-min=11.3km az=40.0

NEIC 10 16:09:41.7 1.0, 15.34S, 0.27E, 72.86W, h36km, 18km, mb4.3/3, Error ellipse: s-maj=16.4km s-min=10.5km az=68.0

GUC 10 16:09:42.6 0.6, 15.67S, 0.27E, 72.86W, h40km, ML4.4, ISC 10 16:09:44.1 1.0, 15.25S, 0.26E, 72.53W, 0.08, h114km, n37, e202/42, mb4.0/9, Southern Pacific

Code Station Name Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

PB12 IPOC Station P 3.93 148 iP 16 10 40.3 +0.6

LPAZ La Paz 4.35 104 ePn 16 10 47.4 +1.7

MMNC Minye Minye 4.74 144 ePn 16 10 51.0 +0.2

PSGC Pisagua 4.87 152 ePn 16 10 52.0 -0.3

IPB1 IPOC Station P 5.23 149 iP 16 10 57.1 -0.1

IPB2 IPOC Station P 5.23 149 iP 16 10 57.1 -0.1

NNA Nana 5.32 307 P 16 10 57.9 -0.5

NNA Nana 5.32 307 ePn 16 10 57.9 -0.5

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JKMT Kesennumototy 2.28 295 P 16 12 17.9 -1.0

JOM Ohasama 2.72 306 S 16 12 44.3 -1.5

JYF Otama 3.02 264 S 16 12 56.5 -0.3

JYK Kaneyama 3.13 290 P 16 13 03.7 -0.0

JYK Kaneyama 3.13 290 P 16 13 03.7 -0.0

JANG Nango 3.21 322 S 16 13 06.2 -2.5

JTM Tenmabayashi 3.74 322 S 16 13 19.2 -2.7

JAG Ashikaga 4.00 250 S 16 12 42.4 -0.3

ERM Erimo 4.19 350 ePn 16 12 44.2 -1.0

YAKH yakaha-nobuka 4.51 343 S 16 12 58.4 -0.6

JRY Ryogami san 4.58 248 P 16 12 49.9 -0.7

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MJAR Matusushiro Arr 4.91 256 Pn 16 12 55.6 +0.5

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525

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KHAL, CHOS, IDI, KZIL, etc.

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

ISCJB 10 16:27:36.4 0.5 2.49N 0.05 95.34E 0.05 h25km, mb4.3/13, Error ellipse: s-maj=9.7km s-min=3.9km

DJA 10 16:27:39.5 1.0 3.1N 4.9 5E h23km,8km, MB4.3/10, mb4.3/4, MLV4.3/10

NEIC 10 16:27:40.0 0.9 2.64N 95.47E, h39km,9km, mb4.3/6, Error ellipse: s-maj=12.0km s-min=6.3km az=61.0

IDC 10 16:27:48.3 3.5 2.92N 95.97E, h96km,28km, mb3.8/5, mb1.3/9, mb1mx3.5/38, mbtmp4.2/8, MS3.2/1, Ms1.3/2/1, ms1mx2.8/69, Error ellipse: s-maj=38.6km s-min=15.6km az=50.0

ISC 10 16:27:38.4 0.7 2.58N 0.06 95.40E 0.06 h25km, n65, r156/64, mb4.3/13, 3C, Off west coast of northern Sumatra

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

2012 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H01W2, H01W1, WMQ, etc.

MAN 10 16:30:57.0 6.85N 126.43E, h62km, mb4.1, ML2.9, MS2.5, 1C-10, Mindanao

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

NIED 10 16:40:00.22 60N 121.30E, h5km, Mw4.2 Best double couple: Ms2.26000x1015 NP1a=83.00000, delta 17.00000, lambda 42.00000, NP2a=213.00000, gamma 9.00000, lambda 103.00000

IDC 10 16:40:27.1 0.7 2.21N 131.121E, h0km, mb3.7/9, mb1.3/9/10, mb1mx3.7/42, mbtmp3.8/10, ML3.4/1, Error ellipse: s-maj=24.3km s-min=16.5km az=72.0

ISCJB 10 16:40:29.6 0.4 2.21N 102.121E 0.02, h19km,3km, mb3.6/9, Error ellipse: s-maj=3.5km s-min=2.9km az=44.7

TAP 10 16:40:30.2 22.24N 121.02E, h13km, ML4.2, B

ASIES 10 16:40:31.9 22.25N 121.04E, h23km, MW3.6

JMA 10 16:40:33.4 0.2 2.58N 121.35E, h0km, M3.9

ISC 10 16:40:29.9 0.9 2.225N 0.02 121.10E 0.02, h16km,6km, n135, r156/186, mb3.8/9, 25C-4D, Taiwan region

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

10d 16h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHN4, YUS, SCLT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VVUC, IRIF, KINMEN, PTMZ, JKRS, KNMB, PTTC, JIU, ZPLA, OZH, JISG, ZZJH, AXDP, MATB, TJT, MHZO, VDOS, LYJ, LYJB, JIRB, IKJM, JOKS, XPS, JOW, CMAR, MKAR, ZALV, WRA, ASAR, STKA, ILAR, FINES, YKA.

IDC 10 16:44:06.5:2.2, 12.18N, 90.30E, h0km, mb3.6/3, mb1.3/6.4, mb1mx3.6/3, mb2pm3.4/4, ML3.8/1, Error ellipse: s-maj=68.3km, s-min=26.8km, az=65.0

ISC 10 16:44:10.9:1.4, 12.33N, 02.90E, 1.01E, h10km, n16, e188/18, mb3.5/3, Andaman Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VISHAKHAPATNAM, CMAR, RAMN, JIRN, PKIN, DMN, GUN, KKN, GKN, KOLN, DANN, PYUN, MKAR, ASAR.

NIED 10 16:45:00, 38.00N, 143.80E, h5km, Mw3.8, Best double couple: M6.44000x1014 NP1.302.000000, delta.000000, lambda.96.000000, NP2.302.000000, delta.000000, lambda.88.000000

IDC 10 16:45:09.7:0.9, 37.82N, 144.03E, h0km, mb3.9/5, mb1.4/1.0, mb1mx3.7/7.0, mbmp4.0/10, ML3.8/4, Error ellipse: s-maj=22.5km, s-min=18.2km, az=103.0

ISCJB 10 16:45:12.8:0.6, 37.99N, 01.443.88E, 0.05, h33km, mb4.1/2, Error ellipse: s-maj=6.0km, s-min=5.3km, az=137.8

JMA 10 16:45:13.0:0.1, 37.98N, 143.84E, h41km, M3.9, ISC 10 16:45:15.1:1.0, 37.95N, 00.5:143.83E, h35km, n30, e143/40, mb4.0/6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH, JKH, JIO, JJO, OFUJ, JKMT, JOM, JOK, JOT, JFT, JRG, JYK, JYK, JANG.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JANG, JTM, JYK, JRG, JNK, MJAR, MJAR, MAT, MATSUSHIRO, MJAR, JMH, JAT, JHJ, ASAJ, ASAJ, USRK, KRSR, H1N2, H1N1, H1N3, ZALV, MKAR, ILAR, WRA, ASAR, PDAR.

ISCJB 10 16:46:13.8:1.0, 3.0N, 101.89E, h10km, mb3.8/5, Error ellipse: s-maj=19.6km, s-min=11.6km, az=16.2, IDC 10 16:46:13.6:1.1, 2.99N, 89.21E, h0km, mb3.8/5, mb1.3/9.7, mb1mx3.6/6.8, mbmp3.8/7, ML3.8/2, Error ellipse: s-maj=30.1km, s-min=25.3km, az=83.0

ISC 10 16:46:14.9:1.1, 3.0N, 02.89E, 3.01E, h10km, n14, e234/9, mb3.7/5, North Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PALK, CMAR, H08S2, H08S1, MKAR, H01W3, H01W2, H01W1, SONM, ZALV, BOS, TXAR.

IDC 10 16:47:56.6:2.3, 37.82N, 144.15E, h0km, mb3.9/7, mb1.4/0.11, mb1mx3.8/7.3, mbmp4.0/11, ML3.5/4, Error ellipse: s-maj=48.4km, s-min=23.0km, az=150.0

NEIC 10 16:47:59.1:4.0, 37.82N, 144.06E, h9km, mb4.7/2, Error ellipse: s-maj=19.0km, s-min=7.6km, az=123.0

ISCJB 10 16:48:00.3:1.5, 37.91N, 01.443.89E, 0.05, h23km, 12km, mb3.9/8, Error ellipse: s-maj=7.3km, s-min=6.2km, az=136.1

NIED 10 16:48:00, 37.90N, 143.90E, h5km, Mw3.7, Best double couple: M4.47000x1014 NP1.302.000000, delta.000000, lambda.94.000000, NP2.302.000000, delta.000000, lambda.94.000000

JMA 10 16:48:00.9:0.1, 37.99N, 01.443.88E, 0.05, h33km, mb4.1/2, Error ellipse: s-maj=6.0km, s-min=5.3km, az=137.8

ISC 10 16:48:01.8:2.3, 37.98N, 01.443.88E, 0.1, h20km, 24km, n43, e121/54, mb3.9/8, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH, JKH, JIO, JJO, JKMT, JOM, JOK, JOT, JFT, JRG, JYK, JYK, JANG, JIKH, JKH, JIO, JJO, OFUJ, JKMT, JOM, JOK, JOT, JFT, JRG, JYK, JYK, JANG, JIKH, JKH, JIO, JJO, OFUJ, JKMT, JOM, JOK, JOT, JFT, JRG, JYK, JYK, JANG.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR, MK32, MKAR, KURK, ILAR, ILB, ABKAR, AKTO, FAKO, FINES.

MOS 10 16:53:07.3:1.0, 6.53S, 129.79E, h150km, mb6.6/80, Error ellipse: s-maj=6.7km, s-min=4.4km, az=111.0, NEIC 10 16:53:08.8:0.1, 6.53S, 129.83E, h155km, mb6.6/208, ME7.2, MW7.1, MW7.1, Error ellipse: s-maj=3.0km, s-min=2.5km, az=47.0, Moment Tensor Solution: s70 Moment Tensor Solution: s70 Moment Tensor Solution: Scale 1019Nm; Mn:0.99; Mw:4.22; Mm:3.24; Ml:2.10; Mv:0.27; Mw:3.43; Best double couple: M5.60000x1019 NP1.302.000000, delta.000000, lambda.168.000000, NP2.302.000000, delta.000000, lambda.168.000000, NP3.302.000000, delta.000000, lambda.168.000000, Principal axes: T 5.8900, P1g39.0000, Azm281.0000; N -0.2500, P1g39.0000, Azm52.0000; Broadband fault plane solution: P waves, NP1.302.000000, delta.000000, lambda.167.000000, NP2.302.000000, delta.000000, lambda.167.000000, NP3.302.000000, delta.000000, lambda.167.000000, Principal axes: T 6.0640, P1g37.0000, Azm269.0000; N 1g37.0000, Azm0.0000, P1g19.0000, Azm165.0000; Diparent Stress 0.18 MPa, Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 3.5 seconds after the onset. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism.

NEIC Felt [V] at Saumlaki; [IV] at Amahai, Dobo, Faktak, Kaimana and Sorong; [III] at Ransiki, Indonesia. Felt [IV] at Dili, Timor-Leste. Also felt at Manaito. Felt [IV] on Cox Peninsula and at Kununurra; [III] at Darwin, Humpty Doo-MacMinnis Lagoon and Palmerston; [II] at Katherine, Australia. Also felt at Alice Springs, East Arnhem, Darwin, Darwin, Howard Springs and Jabiru.

BJI 10 16:53:08.8:6.51S, 129.78E, h160km, mb6.5/73, mb6.9/79, ISCJB 10 16:53:09.0:0.3, 6.55S, 0.01E, 129.85E, 0.1, h167km, 2km, mb6.5/351, Error ellipse: s-maj=2.7km, s-min=2.0km, az=140.5

NEIC 10 16:53:09.0:0.0, 6.52S, 130.01E, h160km, Moment Tensor Solution. s70 Moment Tensor Solution: Scale 1019Nm; Mn:0.99; Mw:4.22; Mm:3.24; Ml:2.10; Mv:0.27; Mw:3.43; Best double couple: M5.60000x1019 NP1.302.000000, delta.000000, lambda.168.000000, NP2.302.000000, delta.000000, lambda.168.000000, NP3.302.000000, delta.000000, lambda.168.000000, Principal axes: T 5.8900, P1g39.0000, Azm281.0000; N -0.2500, P1g39.0000, Azm52.0000; Broadband fault plane solution: P waves, NP1.302.000000, delta.000000, lambda.167.000000, NP2.302.000000, delta.000000, lambda.167.000000, NP3.302.000000, delta.000000, lambda.167.000000, Principal axes: T 6.0640, P1g37.0000, Azm269.0000; N 1g37.0000, Azm0.0000, P1g19.0000, Azm165.0000; Diparent Stress 0.18 MPa, Complex earthquake observed on broadband displacement seismograms, with at least one larger event occurring about 3.5 seconds after the onset. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism.

KLM 10 16:53:14.0:0.6, 6.52S, 129.83E, h197km, mb7.0, GCMT 10 16:53:14.8:0.1, 6.65S, 129.83E, h159km, MW7.1/152, Moment Tensor Solution. s151 c428, s152 c761; Duration: 88 Moment Tensor Solution: Scale 1019Nm; Mn:1.03; Mw:4.02; Mm:4.45; Ml:0.22; Mv:1.81; Mw:3.43; Best double couple: M5.57000x1019 NP1.302.000000, delta.000000, lambda.143.000000, NP2.302.000000, delta.000000, lambda.166.000000, NP3.302.000000, delta.000000, lambda.166.000000, Principal axes: T 6.0640, P1g37.0000, Azm269.0000; N -0.9550, P1g46.0000, Azm59.0000; P -5.1090, P1g20.0000, Azm172.0000; nsta1 refers to body waves, cutoff=50s, nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

NEIC 10 16:53:23.5:0.0, 6.57S, 129.82E, h148km, Moment Tensor Solution. s85 Moment Tensor Solution: Scale 1019Nm; Mn:0.99; Mw:4.09; Mm:3.20; Ml:1.78; Mv:0.23; Mw:3.28; Best double couple: M5.20000x1019 NP1.301.000000, delta.000000, lambda.167.000000, NP2.301.000000, delta.000000, lambda.167.000000, NP3.301.000000, delta.000000, lambda.167.000000, Principal axes: T 5.7000, P1g36.0000, Azm279.0000; N -0.9600, P1g46.0000, Azm59.0000; P -4.7400, P1g21.0000, Azm172.0000

ISC 10 16:53:09.5:0.2, 6.50S, 0.02E, 129.87E, 0.03, h161km, 11km, h162km, pP, N2396, e2815/2758, mb6.6/347, 140C-27D, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BNDI, SAUI, SAUI, SAUI, NMLI, KAIMANA, SIJI, SIJI, SWI, SANI, SOEI, SOEI, RKPI, KADU, BADI, BADI, BADI, BADI, BBSI, TINTI, TINTI, KDI, SRPI, MMRI, MMRI, EDFI, LUWI, LUWI, KMSI, KNRA, KNRA, BKSI, APPI, BASI, WSI, SPSI, MRSI.

TTSI	Tana Toraja	10.58 288	P	Pn	16 55 40.0 +3.8
MMPI	Merauke	10.61 101	P	Pn	16 55 36.7 -0.7
WBSI	Waikabubak, Su	10.83 253	P	Pn	16 55 38.1 -2.3
GENI	Genyem	10.97 70	P	Pn	16 55 42.3 +0.1
PCI	Palu	11.45 299	P	P	16 55 53.0 -2.6
JAY	Jayapura	11.50 70	P	P	16 55 49.0 -0.1
JAY	68nm,0.3s,baz=128,slow=20,SNR=1.8			Sn	16 57 50.0 -6.7
JAY	comp-Z,255um,18.4s,baz=270,slow=45			LR	17 01 46.1
JAY	Jayapura	11.50 70	P	Pn	16 55 49.0 -0.2
MPSI	Mapaga	12.05 304	P	P	16 55 59.8 -2.4
PLAI	Piampang	12.21 258	P	Pn	16 55 55.7 -2.5
FITZ	Pitroy Crossi	12.25 199	P	Pn	16 55 54.8 -3.9
FITZ	1um,0.3s,baz=75,slow=16,SNR=1.2			Sn	16 58 04.3 -1.0
DDMP	Don Marcelino	13.19 342	eP	Pn	16 56 12.4 +1.6
SGSH	General Santos	13.43 332	eP	Pn	16 56 15.0 +1.0
GPKI	Sangata, Kali	13.60 295	P	Pn	16 56 27.3 +7.8
MATI	Mati	13.83 345	eP	Pn	16 56 19.8 +0.8
BKB	Balikpapan	13.95 291	eP	Pn	16 56 26.1 +2.8
SKMP	Sagumbayan, Su	13.98 338	eP	Pn	16 56 22.2 +1.4
SKMP	53um,1.3s,739um			eS	16 58 51.6 -4.5
SMKI	Samarinda	13.99 295	P	P	16 56 26.0 +2.2
KBKI	Kotabaru	14.02 282	P	P	16 56 24.4 +0.3
107AU	WARRAMUNGA INF4.0	14.16 162	P	Pn	16 56 18.2 -3.4
WRAB	Tennant Creek	14.05 162	ePn	Pn	16 56 17.1 -4.5
WRAB	Tennant Creek	14.05 162	ePn	Pn	16 56 17.1 -4.5
WRAB	Warramunga Arr	14.05 162	ePn	Pn	16 56 17.8 -4.0
WRA	202nm,0.3s,baz=344,slow=13,SNR=1353			Sn	16 58 47.2 -1.1
WRA	2um,0.3s,baz=341,slow=22,SNR=10			LR	17 01 09.5
WRA	comp-Z,130um,21.7s,baz=335,slow=34			P3K/Pbc	17 31 58.2
WB2	Warramunga Arr	14.06 162	ePn	Pn	16 56 17.2 -4.5
DAV	Davao City (W)	14.14 342	P	P	16 56 24.5 -1.0
DAV	72nm,0.3s,baz=62,slow=2.9,SNR=18			S	16 59 09.7 +2.7
DAV	41nm,0.3s,baz=126,slow=19,SNR=2.3			S	16 56 23.3 +0.5
DAV	Davao City (W)	14.17 342	P	Pn	16 56 31.6 +5.8
SRBI	Singaraja	14.62 263	P	Pn	16 56 28.3 -0.5
DNP	Denpasar	14.69 261	P	P	16 56 29.3 -0.4
CTBH	Cotabato-PC H	14.74 338	eP	Pn	16 56 31.7 -0.4
IGBI	Denpasar	14.77 260	P	Pn	16 56 29.3 -1.4
BIPH	Bislig	15.00 346	eP	Pn	16 56 35.1 +0.1
COEN	Coen	15.04 121	P	P	16 56 31.2 -2.9
COEN	Coen	15.04 121	ePn	Pn	16 56 32.6 -1.5
ZUP	Musan	15.06 341	eP	P	16 56 37.0 +1.2
BKP	Zamboanga City	15.44 330	eP	P	16 56 41.5 +1.6
PAGZ	Pagadian	15.65 335	eP	Pn	16 56 43.4 +1.2
PAGZ	15.65 335	eS	Sn	16 59 28.5 -7.7	
JAGI	Jajag, Banyuw	15.71 262	eP	Pn	16 56 37.3 -5.0
JAGI	Jajag, Banyuw	15.71 262	P	Pn	16 56 38.9 -3.3
CGP	Cagayan de Oro	15.72 341	eP	P	16 56 47.4 +4.5
CGP	Cagayan de Oro	15.72 341	eP	P	16 56 57.2 +1.4
CGP	Cagayan de Oro	15.72 341	eP	P	16 59 40.4 +2.3
CGP	Cagayan de Oro	15.72 341	eP	P	17 01 01.4 +2.1
KMMI	Kalianget	15.80 267	P	P	16 56 46.5 +2.6
MTKI	Muara Tewe, K	15.92 290	P	P	16 56 47.5 +2.2
BUTP	Butuan	15.94 345	eP	P	16 56 48.2 +2.8
IPIL	Ipil	15.95 333	eP	P	16 56 47.5 +2.0
BLJI	Banyuwlugur	16.20 265	P	P	16 56 48.4 +0.1
QIS	Mount Isa	16.87 147	P	P	16 56 54.2 -1.5
QIS	baz=17			S	16 59 52.1 -1.1
TBP	Tagbilaran	17.16 340	eP	Pn	16 57 04.2 +4.5
TBP	17 00 12.5 +0.4			S	16 57 02.6 +1.9
MSJL	Maasin	17.28 343	eP	Pn	16 57 02.6 +1.9
GRJI	Gresik	17.28 268	P	Pn	16 57 01.9 +0.7
PMG	Port Moresby	17.37 101	P	Pn	16 57 02.0 -0.3
PMG	77nm,0.3s,baz=284,slow=6.9,SNR=215			S	17 00 09.5 -4.4
PMG	69nm,0.3s,baz=158,slow=19,SNR=4.5			S	16 56 59.5 -1.7
PMG	Port Moresby	17.37 101	eP	Pn	16 57 00.9 -4.4
PMG	13um,1.1s			S	16 57 01.8 -0.9
AS31	Alice Springs	17.51 168	P	P	16 57 02.9 +0.2
ASAR	Alice Springs	17.51 168	P	P	17 00 10.3 -6.3
ASAR	297nm,0.3s,baz=352,slow=8.8,SNR=113			LR	17 04 37.8
ASAR	145nm,0.3s,baz=332,slow=16,SNR=4.3			LR	17 31 44.0
ASAR	comp-Z,645um,18.1s,baz=348,slow=39			P3K/Pbc	17 31 44.0
ASAR	0.1nm,0.3s,baz=156,slow=3.4,SNR=5.0			S	16 57 02.5 -0.2
ASO1	Alice Springs	17.52 167	eP	P	16 57 02.6 -0.7
MBWA	Marble Bar	17.57 213	eP	Pn	16 57 04.1 -0.5
MBWA	Marble Bar	17.57 213	P	Pn	16 57 07.4 +0.9
LLP	Lapu-Lapu	17.71 341	eP	Sn	16 57 02.4 +0.9
LLP	17 00 24.5 -0.8			Sn	16 57 08.2 -4.0
TBJI	Tambak Boyo	17.90 268	P	Pn	16 57 05.9 -2.0
PWJI	Pagerwojo	17.98 264	P	P	16 57 11.0 +1.2
MANU	Manus Island	18.00 77	eP	Pn	16 57 12.7 +0.6
OCLP	Orcot	18.20 343	eP	Pn	16 57 12.9 +0.7
PLP	Palom	18.21 344	eP	P	16 57 11.1 +0.5
MTSU	Mount Surprise	18.23 131	P	Pn	16 57 12.4 -0.9
NGJI	Ngawi	18.29 266	P	Pn	16 57 14.7 -0.7
KKM	Kota Kinabalu	18.46 312	eP	Pn	16 57 16.0 +0.7
KKM	Kota Kinabalu	18.46 312	P	Pn	16 57 14.1 +0.7
GUIM	Jordan	18.49 337	eP	P	16 57 13.6 +0.1
WRKA	Warakuma	18.50 184	P	P	16 57 16.3 +0.6
BESP	Borongan	18.51 346	eP	Pn	16 57 16.1 +0.1
PBKI	Pangkalan Bun	18.52 281	P	Pn	16 57 13.0 -1.8
PCJI	Pacitan	18.61 264	P	Pn	16 57 17.0 -0.1
WDM	Kudat	18.62 315	P	Pn	16 57 15.3 -2.0
KDJ	Wonorejo, Jawa	18.64 265	P	Pn	16 57 20.0 +0.1
JAP	San Jose, Anti	18.86 335	eP	Pn	16 57 18.8 -2.9
JAM	Wanagama	19.24 265	eP	P	16 57 20.7 -1.0
UGM	Wanagama	19.24 265	P	Pn	16 57 24.3 -0.6
RCP	Roxas	19.29 338	eP	Pn	16 57 20.7 -1.6
SMRI	Semarang	19.30 267	eP	Pn	16 57 22.0 -0.3
SMRI	4um,0.8s			P	16 57 25.1 -0.5
SMRI	8um,0.8s,206um759um			P	16 57 24.8 -1.2
CUYO	Cuyo Island	19.36 333	eP	Pn	16 57 25.5 +1.3
BATP	Bataraza	19.38 321	eP	Pn	16 57 29.3 +1.1
STKI	Sintang	19.48 289	P	Pn	16 57 29.5 -0.6
CNP	Cataman	19.58 345	eP	Pn	16 57 29.3 +1.1
MMPH	Masbate	19.73 342	eP	S	17 01 05.1 +4.4
MMPH	Masbate	19.73 342	eP	S	16 57 28.8 -1.4
SBUM	Sibu	19.73 296	eP	Pn	16 57 30.0 +0.8

SBUM	Sibu	19.73 296	eP	Pn	16 57 30.0 +0.8
OTRP	Odiong	20.30 337	eP	P	16 57 34.4 +1.5
ENPP	El Nido	20.43 329	eP	P	16 57 36.2 +1.9
BUSP	Coron	20.74 332	eP	P	16 57 39.1 +1.5
SJMP	San Jose	20.75 335	eP	Pn	16 57 40.0 -2.3
PVCP	Virac	20.75 344	eP	P	16 57 38.3 +0.6
PVCP	Virac	20.75 344	eS	P	17 01 19.9 -0.8
KPIJ	Karang Pucap	20.80 266	P	P	16 57 36.3 -2.1
CTA	Charter Towers	20.87 132	P	P	16 57 40.1 +1.1
CTA	218nm,0.6s,baz=252,slow=20,SNR=3.1			S	17 01 22.7 -0.2
CTAO	Charter Towers	20.87 132	eP	P	16 57 39.9 +0.9
CTAO	Charter Towers	20.87 132	eP	P	16 57 39.9 +0.9
CMJI	Cimerak	21.29 265	eP	P	16 57 40.0 -3.6
BOAC	Boac	21.37 338	eP	P	16 57 46.2 +1.8
JUJCI	Jatijiwangi	21.46 289	P	P	16 57 44.7 -0.7
GQP	Guinayanang	21.57 340	eP	P	16 57 47.4 +0.9
CISI	Cisempet, Garu	21.91 266	eP	P	16 57 46.0 -4.2
CISI	Cisempet, Garu	21.91 266	eP	P	16 57 47.2 -3.0
GIRL	Giralila	22.02 222	eP	P	16 57 50.3 -0.8
LEM	Lembang	22.10 268	P	P	16 57 51.1 -1.1
LEM	2um,0.8s,baz=57,slow=8.1,SNR=216			S	17 01 43.5 -1.1
LEMA	1um,1.2s,baz=301,slow=19,SNR=1.6			S	16 57 55.4 +1.4
TGY	Tagaytay City	22.30 337	P	P	17 01 48.8 +1.3
TGY	1um,0.7s,baz=183,slow=3.3,SNR=132			S	16 57 52.4 -1.7
RABL	Rabau	22.32 85	eP	P	16 57 56.6 +0.8
POLP	Polillo Island	22.51 340	eP	P	16 57 56.6 -2.7
CBJI	Citeko	22.87 269	P	P	16 57 58.3 -1.9
DBJI	Dramaga	22.97 269	P	P	16 57 59.8 -2.1
SKJI	Sukabumi	23.16 267	P	P	16 58 05.4 -0.1
BALP	Baler	23.57 340	eP	P	16 58 05.0 -0.9
SBUI	Sarangani	23.60 270	P	P	16 58 07.0 -2.7
CGJI	Cibinong	24.02 268	P	P	16 58 10.8 +0.8
PPBI	Pangkalpinang	24.05 279	P	P	16 58 11.4 +0.1
QLP	Quilipe	24.21 147	P	P	16 58 11.3 0.0
FORT	Forrest	24.22 184	P	P	16 58 10.6 -0.7
FORT	Forrest	24.22 184	eP	P	16 58 09.9 -1.6
SCZP	Santa Cruz	24.23 336	eP	P	16 58 12.8 +0.9
SMPP	San Manuel, Pa	24.27 338	eP	P	16 58 09.2 -2.9
XMIS	Christmas Is	24.27 279	eP	P	16 58 14.2 -0.1
BLSI	Bandar Lampung	24.52 251	P	P	16 58 15.6 +0.6
CAUP	Caup	24.61 341	eP	P	16 58 14.3 -2.2
BOLP	Boliniao	24.77 337	eP	P	16 58 18.8 +1.1
GUMO	Guam	24.90 37	eP	P	16 58 18.5 +0.8
GUMO	686nm,0.6s,baz=166,slow=8.6,SNR=44			P	16 58 18.9 +0.8
KLU	Kulm	24.90 37	eP	P	16 58 19.5 -1.4
GLM	Golubinski	24.94 272	P	P	16 58 23.5 +2.5
KASI	Kota Agung	25.25 271	P	P	16 58 21.1 -0.4
PMBI	Palemang	25.26 277	P	P	16 58 23.4 -1.1
CVP	Callao Caves	25.32 342	eP	P	16 58 23.4 -1.1
CVP	Callao Caves	25.32 342	eP	P	16 58 25.6 +0.3
ABRA	Abrera	25.64 339	eP	P	16 58 32.8 -0.6
ABRA	Abrera	25.64 339	eS	P	16 58 30.2 +3.1
MDSI	Maura Dua	25.65 273	P	P	16 58 26.5 -0.7
APYP	Conner	25.66 341	eP	P	16 58 26.1 -1.2
LWLI	Liwa	25.72 272	P	P	16 58 31.8 +1.0
SGCP	St. Cagua	25.77 343	eP	P	16 58 33.9 -0.8
DSRI	Dabo	25.93 282	P	P	16 58 33.7 -1.0
MORW	Morawa	25.97 209	eP	P	16 58 32.0 -3.5
MORW	Morawa	25.97 209	eP	P	16 58 35.9 +0.4
TPRI	Tanjung Pinang	26.34 285	P	P	16 58 39.4 +0.5
BBOO	Bucklebo	26.81 168	P	P	16 58 40.0 +1.2
BBOO	Bucklebo	26.81 168	eP	P	16 58 40.1 0.0
BBOO	Bucklebo	26.81 168	eP	P	16 58 40.9 -0.3
MNAI	Manna	26.87 273	P	P	16 58 40.2 -1.1
MNAI	Manna	26.87 273	P	P	16 58 40.6 -0.5
MYOK	Kota Tinggi	27.25 287	eP	P	16 58 42.2 +0.5
MYOK	Kota Tinggi	27.25 287	eP	P	16 58 41.4 -0.8
MYOK	Kota Tinggi	27.25 287	eP	P	16 58 43.1 -0.1
MYOK	Kota Tinggi	27.25 287	eP	P	16 58 43.1 -0.1
STKA	Stephens Creek	27.53 158	P	P	16 58 41.8 -2.5
STKA	Stephens Creek	27.53 158	P	P	16 58 44.7 0.0
STKA	Stephens Creek	27.53 158	P	P	16 58 40.9 -0.3
STKA	Stephens Creek	27.53 158	P	P	16 58 40.2 -1.1
ANAZ	Anatana	27.58 34	eP	P	16 58 40.6 -0.5
EIDS	Eidsvold	27.63 135	eP	P	16 58 42.2 +0.5
MASI	Maura Aman, Be	27.73 276	P	P	16 58 41.4 -0.8
BAP	Baco	27.87 344	eP	P	16 58 43.1 -0.1
SARN	Sarigan	27.91 34	eP	P	16 58 41.8 -2.5
RGRI	Rengat	28.14 281	P	P	16 58 44.7 0.0
MUN	Mundaring	28.38 205	P	P	16 58 50.5 +3.7
KRJI	Kerinci	28.66 278	P	P	16 58 48.6 -0.1
NWAO	Narogin (SRO)				

PGAV	Gaveira, Arco	128.81	320	ePP	PP	17 14 10.3	+3.9
PGAV	Gaveira, Arco	128.81	320	eSKPdf	SS	17 15 10.3	-8.3
PGAV	Gaveira, Arco	128.81	320	eSS	SS	17 13 19.9	+8.1
J40A	Soldiers Grove	128.81	38	P	PKPdf	17 11 57.1	-1.0
POLA	Lamas de Olo	128.81	319	ePKPdf	PKPdf	17 11 59.2	+0.9
POLA	Lamas de Olo	128.81	319	ePP	PP	17 14 08.5	+2.0
POLA	Lamas de Olo	128.81	319	eSS	SS	17 31 17.2	+5.3
F42A	Maple Grove Fa	128.93	34	P	PKPdf	17 11 57.7	-0.5
M39A	Webster	128.95	40	P	PKPdf	17 11 58.0	-0.3
K40A	Colesburg	128.96	38	P	PKPdf	17 11 57.7	-0.6
I41A	Arkdale	128.96	36	ePKPdf	PKPdf	17 11 58.2	-0.1
I41A	Arkdale	128.96	36	P	PKPdf	17 11 58.3	0.0
TUL1	Leonard	129.01	48	ePKPdf	PKPdf	17 11 59.0	+0.4
TUL1	Leonard	129.01	48	P	PKPdf	17 11 59.3	+0.7
G42A	Mountain	129.09	34	ePKPdf	PKPdf	17 11 58.5	-0.1
G42A	Mountain	129.09	34	P	PKPdf	17 11 58.9	+0.4
MTE	Manteigas	129.14	318	ePKPdf	PKPdf	17 11 59.7	+0.8
MTE	Manteigas	129.14	318	ePP	PP	17 10 1.1	-1.1
MTE	Manteigas	129.14	318	eSKPdf	SS	17 15 13.8	-5.4
MTE	Manteigas	129.14	318	eSS	SS	17 31 17.4	+1.5
E43A	Lone Tree Farm	129.16	32	ePKPdf	PKPdf	17 11 59.0	+0.4
E43A	Lone Tree Farm	129.16	32	P	PKPdf	17 11 58.1	-0.5
WHTX	Lake Whitney,	129.17	54	ePKPdf	PKPdf	17 11 57.9	-1.1
WHTX	Lake Whitney,	129.17	54	ePKPdf	PKPdf	17 12 01.5	+1.7
WHTX	Lake Whitney,	129.17	54	P	PKPdf	17 11 58.7	-0.3
PVIS	Viseu	129.22	319	ePKPdf	PKPdf	17 12 00.7	+1.7
PVIS	Viseu	129.22	319	ePP	PP	17 14 10.5	+1.4
L40A	Anamosa	129.25	39	P	PKPdf	17 11 58.6	-0.3
J41A	Loganville	129.27	37	P	PKPdf	17 11 58.6	-0.3
LJJA	Ljar	129.28	313	e	PKPpre	17 11 51.5	
LJJA	Ljar	129.28	313	PKP	PKPdf	17 12 00.2	+1.0
LJJA	Ljar	129.28	313	PP	PP	17 14 05.8	-4.0
LJJA	Ljar	129.28	313	SKS	SKPbc	17 15 05.6	-0.3
PCBR	Castelo Branco	129.38	318	ePKPdf	PKPdf	17 12 00.0	+0.8
PCBR	Castelo Branco	129.38	318	ePP	PP	17 14 13.1	+3.0
JFW5	Jewell Farm	129.38	38	ePKPdf	PKPdf	17 11 58.4	-0.8
JFW5	Jewell Farm	129.38	38	P	PKPdf	17 11 59.1	0.0
PLCA	Paso Flores	129.39	160	PKHkp	PKPpre	17 11 47.3	
PLCA	Paso Flores	129.39	160	PKP	PKIKP	17 12 00.2	0.0
PLCA	Paso Flores	129.39	160	SKab	SKab	17 15 05.6	+0.1
PLCA	Paso Flores	129.39	160	ePKPpre	PKPpre	17 11 51.1	
PLCA	Paso Flores	129.39	160	ePKPdf	PKPpre	17 11 58.0	-1.4
PLCA	Paso Flores	129.39	160	SKPbc	SKPab	17 15 05.6	+0.1
M40A	Post Highland	129.41	40	P	PKPdf	17 11 58.6	-0.6
F43A	Flat Rock, Esc	129.41	33	P	PKPdf	17 11 58.9	-0.2
LNIG	Linare	129.43	63	ePKPdf	PKPdf	17 11 58.4	-1.4
435B	Jarell	129.46	55	ePKPdf	PKPdf	17 11 58.9	-0.8
435B	Jarell	129.46	55	P	PKPdf	17 11 59.3	-0.4
H42A	Shiocton	129.47	35	ePKPdf	PKPdf	17 11 58.6	-0.6
H42A	Shiocton	129.47	35	P	PKPdf	17 11 58.7	-0.5
G43A	Wallace	129.49	34	ePKPdf	PKPdf	17 11 58.3	-1.0
G43A	Wallace	129.49	34	P	PKPdf	17 11 58.8	-0.5
PMRV	Marv??	129.52	317	ePdif	Pdif	17 08 48.7	+0.9
PMRV	Marv??	129.52	317	ePKPdf	PKPdf	17 11 59.7	+0.1
PMRV	Marv??	129.52	317	ePP	PP	17 14 13.2	+2.1
PMRV	Marv??	129.52	317	eSKPdf	SKPdf	17 15 13.5	-6.4
PMRV	Marv??	129.52	317	eSS	SS	17 31 21.2	+0.7
K41A	Shullsburg	129.52	38	P	PKPdf	17 11 58.5	-0.9
ALJ	Aljibe	129.62	313	PKP	PKPdf	17 12 03.0	+3.2
ALJ	Aljibe	129.62	313	PKS	SKPbc	17 15 07.7	+0.7
I42A	Draeger Farm,	129.62	36	ePKPdf	PKPdf	17 11 58.7	-0.9
I42A	Draeger Farm,	129.62	36	P	PKPdf	17 11 59.9	+0.3
N40A	Mertquaque, Sal	129.64	41	P	PKPdf	17 11 59.9	+0.2
CEU	Ceuta	129.68	312	PKP	PKPdf	17 11 57.0	-2.9
CEU	Ceuta	129.68	312	PP	PP	17 14 40.1	+28
L41A	Preston	129.69	39	P	PKPdf	17 11 59.2	-0.6
GIBL	Gibalbin	129.72	313	PKP	PKPdf	17 12 03.0	+3.0
GIBL	Gibalbin	129.72	313	PKS	SKPbc	17 15 07.1	
F44A	Big Bay de Noc	129.73	32	P	PKPdf	17 12 00.2	+0.5
J42A	Columbus	129.83	37	P	PKPdf	17 11 59.7	-0.3
X37A	Clayton	129.85	50	ePKPdf	PKPdf	17 12 00.4	+0.1
PESTR	Estremoz	129.93	317	ePKPdf	PKPdf	17 12 00.9	+0.6
PESTR	Estremoz	129.93	317	ePP	PP	17 15 11.3	+1.3
PESTR	Estremoz	129.93	317	ePKPdf	PKPdf	17 12 00.2	-0.1
H43A	Windswept, Lux	129.93	35	ePKPdf	PKPdf	17 11 59.9	-0.3
H43A	Windswept, Lux	129.93	35	PKIKP	PKIKP	17 12 03.0	+2.0
H43A	Windswept, Lux	129.93	35	P	PKPdf	17 11 59.6	-0.6
PCAS	Casmilo, Conde	129.95	318	ePKPdf	PKPdf	17 12 01.1	+0.8
PCAS	Casmilo, Conde	129.95	318	ePP	PP	17 14 14.6	+0.8
PCAS	Casmilo, Conde	129.95	318	eSS	SS	17 31 29.2	+3.5
SCHO	Schefferville	129.97	13	PKHkp	PKPpre	17 11 49.4	
SCHO	Schefferville	129.97	13	PKP	PKPdf	17 11 58.1	-1.8
SCHO	Schefferville	129.97	13	SKPbc	SKPab	17 15 06.9	-0.5
SCHO	Schefferville	129.97	13	ePKPpre	PKPpre	17 11 49.4	
SCHO	Schefferville	129.97	13	ePKPdf	PKPdf	17 11 59.9	0.0
SCHO	Schefferville	129.97	13	SKPbc	SKPab	17 15 06.9	-0.4
CNIL	Conil	129.98	313	PKP	PKPdf	17 12 04.0	+3.5
CNIL	Conil	129.98	313	PKS	SKPab	17 15 07.5	-0.6
K42A	Prairie Point,	130.01	37	P	PKPdf	17 12 00.0	-0.3
M41A	Milan	130.05	40	P	PKPdf	17 12 00.0	-0.4
SFS	San Fernando	130.05	313	PKP	PKPdf	17 11 59.6	-0.9
SFS	San Fernando	130.05	313	PP	PP	17 14 14.6	0.0
I43A	Langenfeld Bro	130.07	36	P	PKPdf	17 11 59.9	-0.6
G006	Curarrehue	130.08	158	ePKPpre	PKPpre	17 11 51.0	
G006	Curarrehue	130.08	158	ePKPdf	PKPdf	17 11 58.9	-1.9
E45A	Wooded Hills,	130.13	31	P	PKPdf	17 12 01.1	+0.7
N41A	Harden Midland	130.20	40	ePKPpre	PKPpre	17 11 49.7	
N41A	Harden Midland	130.20	40	P	PKPdf	17 11 59.9	-0.9
N41A	Harden Midland	130.20	40	P	PKPdf	17 12 00.4	-0.4
J43A	Natural Harves	130.21	36	P	PKPdf	17 12 00.7	0.0
HHAR	Hobbs	130.21	47	ePKPpre	PKPpre	17 11 49.3	
HHAR	Hobbs	130.21	47	ePKPdf	PKPdf	17 12 00.3	-0.7
L42A	Oliver, Polo	130.25	38	P	PKPdf	17 12 00.7	-0.1
D46A	Sault St. Mari	130.35	30	P	PKPdf	17 12 00.7	-0.2
EVO	Evora	130.38	316	ePKPdf	PKPdf	17 12 04.2	+3.0
EVO	Evora	130.38	316	ePP	PP	17 14 19.9	+3.3
EVO	Evora	130.38	316	PKP	PKPdf	17 12 03.8	+2.6
EVO	Evora	130.38	316	PP	PP	17 14 19.1	+2.5
F45A	CMU Biological	130.40	32	P	PKPdf	17 12 01.3	+0.4
IFR	Ifrane	130.44	309	PKP	PKPdf	17 12 03.0	+1.3
IFR	Ifrane	130.44	309	PP	PP	17 14 22.6	+5.0
O41A	Passleys Farm,	130.50	41	P	PKPdf	17 12 01.4	+0.1
M42A	Sheffield	130.50	39	P	PKPdf	17 12 00.7	-0.6
PBEJ	Beja	130.52	316	ePKPdf	PKPdf	17 12 03.6	+2.1
PBEJ	Beja	130.52	316	ePP	PP	17 14 22.3	+4.7
E46A	Sault Ste Mari	130.57	31	P	PKPdf	17 12 00.8	-0.5
P41A	Barry Barry	130.61	42	P	PKPdf	17 12 00.8	-0.7
K43A	Burlington	130.66	37	ePKPdf	PKPdf	17 12 01.7	+0.1
K43A	Burlington	130.66	37	P	PKPdf	17 12 00.9	-0.6

N42A	Yates City	130.66	40	P	PKPdf	17 12 01.0	-0.7
D47A	Chapleau	130.69	29	P	PKPdf	17 12 01.6	0.0
PVAO	Vaqueiros	130.71	315	ePdif	Pdif	17 08 54.5	+1.1
PVAO	Vaqueiros	130.71	315	ePKPdf	PKPdf	17 12 02.9	+1.1
PVAO	Vaqueiros	130.71	315	ePP	PP	17 14 22.0	+3.2
PVAO	Vaqueiros	130.71	315	eSS	SS	17 31 38.3	+3.1
L43A	Garden Prairie	130.71	38	P	PKPdf	17 12 01.1	-0.7
SHEL	Horse Pasture	130.72	243	ePKPdf	PKPdf	17 12 03.6	+1.2
F46A	Macinaw City C	130.74	32	P	PKPdf	17 12 01.9	+0.3
G45A	Suttons Bay	130.74	33	P	PKPdf	17 12 01.8	+0.1
W39A	Magazine	130.79	48	ePKPdf	PKPdf	17 12 00.5	-1.6
W39A	Magazine	130.79	48	P	PKPdf	17 12 02.2	+0.1
H45A	Beulah	130.80	34	P	PKPdf	17 12 01.8	0.0
MEJ3	Messejana	130.85	316	ePKPdf	PKPdf	17 12 01.6	-0.5
MEJ3	Messejana	130.85	316	ePP	PP	17 14 19.9	+0.2
MEJ3	Messejana	130.85	316	AMS	AMS	18 18 07.1	
MEJ3	Messejana	130.85	316	ePKPdf	PKPdf	17 12 03.0	+0.9
MEJ3	Messejana	130.85	316	ePP	PP	17 14 23.2	+2.6
MEJ3	Messejana	130.85	316	ePKIKP	PKIKP	17 12 01.6	-0.5
Q41A	Truxton	130.86	43	P	PKPdf	17 12 01.6	-0.5
PBDV	Barranco-do-Ve	130.93	315	ePKPdf	PKPdf	17 12 03.8	+1.5
PBDV	Barranco-do-Ve	130.93	315	ePP	PP	17 14 22.7	+2.4
PBDV	Barranco-do-Ve	130.93	315	eSS	SS	17 31 51.9	+1.4
U40A	Yellville	130.97	46	P	PKPdf	17 12 02.4	0.0
O42A	Bath	130.98	41	P	PKPdf	17 12 02.2	0.0
M43A	Waltham Townsh	131.01	39	P	PKPdf	17 12 02.2	

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Table with columns: ID, Name, Date, Time, Status, Type, Value, etc. Includes entries like 101A Listowel, 407A Bedford North L, 408A Farmld, etc.

2012 DEC

Table with columns: ID, Name, Date, Time, Status, Type, Value, etc. Includes entries like 249A Edmonton, 249A Edmonton, 246A Jacq Lee, B, etc.

536

Table with columns: ID, Name, Date, Time, Status, Type, Value, etc. Includes entries like 449A Pace, BINY Binghamton, BINY Binghamton, etc.

254A	Abbeville	140.03	46	P	PKPdf	17 12 15.9	-3.5
TIGA	Trifon	140.08	47	P	PKPdf	17 12 16.0	-3.5
553A	Crawfordville	140.08	49	P	PKPdf	17 12 16.2	-3.3
255A	Blythe	140.14	44	P	PKPdf	17 12 16.6	-2.9
155A	Kite	140.25	45	P	PKPdf	17 12 16.3	-3.5
454A	Quitman	140.42	48	P	PKPdf	17 12 16.4	-3.7
M65A	Busby, Falmout	140.60	24	P	PKPdf	17 12 18.1	-1.9
255A	Hazelhurst	140.62	46	P	PKPdf	17 12 17.3	-3.1
355A	Pearson	140.67	47	P	PKPdf	17 12 17.6	-2.9
554A	Perry	140.70	49	P	PKPdf	17 12 17.9	-2.6
455A	Stateville	140.85	48	P	PKPdf	17 12 17.8	-3.1
VCA	Vinchina	140.88	154	eP	PKPpre	17 12 16.9	
VCA	Vinchina	140.88	154	eP	PKPpre	17 12 15.2	
156A	Sylvania	140.91	44	P	PKPdf	17 12 19.1	-1.8
256A	Glennville	141.01	45	P	PKPdf	17 12 19.3	-1.8
356A	Blackshear	141.20	46	P	PKPdf	17 12 19.6	-1.9
555A	McAlpin	141.22	49	P	PKPdf	17 12 19.9	-1.7
655A	Horseshoe Beac	141.31	50	P	PKPdf	17 12 19.8	-1.9
H105Z	ASCENSION HYDRM1.44	247	PKP	PKPdf	17 12 21.2	-0.9	
H105Z	ASCENSION HYDRM1.45	247	PKP	PKPdf	17 12 23.4	+2.2	
H105Z	ASCENSION HYDRM1.46	247	PKP	PKPdf	17 12 23.9	+1.8	
BART	Pico Barotome	141.48	328	eP	PKPdf	17 12 23.8	+1.9
BART	Pico Barotome	141.48	328	eP	PKPdf	17 15 27.3	+1.4
NHSC	New Hope	141.54	43	ePKPdf	PKPdf	17 12 21.7	-0.3
NHSC	New Hope	141.54	43	ePKPdf	PKPdf	17 12 21.4	-0.6
456A	Hilliard	141.60	47	P	PKPdf	17 12 21.4	-0.8
357A	Townsend	141.60	46	P	PKPdf	17 12 21.8	-0.4
257A	Skidaway Island	141.62	45	ePKPdf	PKPdf	17 12 23.3	+1.1
257A	Skidaway Island	141.62	45	ePKPdf	PKPdf	17 15 34.3	+6.8
PCALD	Caldeiras da R	141.63	328	eP	PKPdf	17 12 22.0	-0.1
PCALD	Caldeiras da R	141.63	328	eP	PKPdf	17 15 30.7	+4.0
CNNC	Cliffs of the	141.66	38	P	PKPdf	17 12 21.2	-1.0
CMLA	Cha da Macela	141.68	328	eP	PKPdf	17 12 21.7	-0.5
CMLA	Cha da Macela	141.68	328	eP	PKPdf	17 15 28.9	+1.9
CMLA	Cha da Macela	141.68	328	ePKPpre	PKPpre	17 12 17.3	
CMLA	Cha da Macela	141.68	328	ePKHkp	PKPpre	17 12 17.3	
556A	Lake Butler	141.69	48	P	PKPdf	17 12 21.7	-0.6
H101N	ASCENSION HYDRM1.70	249	PKP	PKPdf	17 12 19.9	-2.6	
H101N	ASCENSION HYDRM1.71	249	PKP	PKPdf	17 12 22.0	-0.9	
H101N	ASCENSION HYDRM1.72	249	PKP	PKPdf	17 12 21.9	-0.6	
PSET	Sete Cidades	141.74	328	eP	PKPdf	17 12 20.1	-2.2
PSET	Sete Cidades	141.74	328	eP	PKPdf	17 15 31.0	+3.7
PDA	Ponta Delgada	141.75	328	eP	PKPdf	17 12 22.9	+0.6
PSCM	Serra do Cume	141.78	330	eP	PKPdf	17 15 29.4	+1.9
PSCM	Serra do Cume	141.78	330	eP	PKPdf	17 12 22.5	+0.1
ADH	Angra Heroismo	141.87	330	eP	PKPdf	17 12 22.6	-0.2
656A	Willston	141.92	49	P	PKPdf	17 12 22.6	-0.2
PSMA	Graciosa	141.94	332	eP	PKPdf	17 12 24.0	+1.4
PSMA	Graciosa	141.94	332	eP	PKPdf	17 15 29.6	+1.2
PSMN	Pico do Norte	141.99	327	eP	PKPdf	17 12 21.8	-0.9
PSMN	Pico do Norte	141.99	327	eP	PKPdf	17 15 30.4	+1.5
457A	Puteo	141.99	47	P	PKPdf	17 12 23.1	+0.2
PSMA	Santa Maria	142.03	327	eP	PKPdf	17 12 20.1	-2.7
PSMA	Santa Maria	142.03	327	eP	PKPdf	17 15 30.3	+1.2
CYA	Choya	142.12	157	eP	PKPdf	17 12 19.3	-4.0
557A	Orange Park	142.19	48	P	PKPdf	17 12 23.4	+0.2
PMAN	Manadas	142.30	331	eP	PKPdf	17 12 21.2	-2.0
PMAN	Manadas	142.30	331	eP	PKPdf	17 15 32.6	+2.0
ROSA	Rosais	142.31	332	eP	PKPdf	17 12 22.9	-0.4
ROSA	Rosais	142.31	332	eP	PKPdf	17 15 32.4	+1.8
657A	Interlachen	142.31	49	P	PKPdf	17 12 23.8	+0.3
757A	Oxford	142.49	50	P	PKPdf	17 12 24.4	+0.6
PICO	Pico	142.57	331	eP	PKPdf	17 12 22.4	-1.4
PCED	Cedros	142.59	332	eP	PKPdf	17 12 23.3	-0.3
PCAN	Candelaria	142.62	332	eP	PKPdf	17 12 23.0	-0.8
PCAN	Candelaria	142.62	332	eP	PKPdf	17 15 34.7	+2.1
857A	Zephyrhills	142.70	51	P	PKPdf	17 12 25.1	+0.9
H071N	FLORES T-PHAB3	42.79	335	eP	PKPdf	17 12 25.7	+1.6
658A	Bunnell	142.85	48	P	PKPdf	17 12 25.9	+1.4
957A	Wimauma	142.98	52	P	PKPdf	17 12 26.4	+1.7
H071N	FLORES T-PHAB3	43.09	335	eP	PKPbc	17 12 21.2	-0.7
H071N	FLORES T-PHAB3	43.09	335	eP	PKPbc	17 15 28.1	-7.1
758A	Lake Helen	143.13	49	P	PKPdf	17 12 26.9	+1.9
G012	Mina Guanaco	143.27	150	eP	PKPbc	17 12 22.9	-0.3
PB10	IPOC Station P	143.30	148	eP	PKPbc	17 12 23.8	+0.3
PB14	IPOC Station P	143.30	148	eP	PKPbc	17 12 17.8	-4.2
DWPF	Disney Waldern	143.39	50	ePKPpre	SKPbc	17 12 23.2	
DWPF	Disney Waldern	143.39	50	ePKPpre	SKPbc	17 15 48.5	+0.5
DWPF	Disney Waldern	143.39	50	P	PKPdf	17 12 27.8	+2.4
858A	St. Cloud	143.39	50	P	PKPdf	17 12 28.0	+2.5
958A	Wauchula	143.40	51	P	PKPdf	17 12 28.2	+2.7
958A	Arcadia	143.61	52	P	PKPdf	17 12 28.7	+2.8
AHML	Horco Molle	143.78	157	eP	PKPdf	17 12 25.6	-0.7
859A	Kempfer Cabbie	143.82	50	P	PKPdf	17 12 29.5	+3.3
959A	Okeechobee	144.10	51	P	PKPdf	17 12 30.5	+3.8
PB10	IPOC Station P	144.12	147	ePKPdf	PKPbc	17 12 26.0	+0.7
PB10	IPOC Station P	144.12	147	eP	PKPdf	17 12 26.8	-0.1
059A	Moore Haven	144.17	52	P	PKPdf	17 12 30.8	+3.9
059Z	Ave Maria	144.24	53	P	PKPdf	17 12 31.3	+4.3
BOAB	BOACB BROADB	144.78	51	ePKPdf	PKPdf	17 12 27.3	-0.4
060A	Indiantown	144.75	51	ePKPbc	PKPdf	17 12 27.6	-0.2
060A	Indiantown	144.75	51	P	PKPdf	17 12 32.8	+5.0
PB05	IPOC Station P	144.84	147	eP	PKPdf	17 12 29.5	+1.2
PB05	IPOC Station P	144.84	147	eP	PKPdf	17 12 28.8	+0.3
061Z	Ochoppi	144.88	53	ePKPbc	PKPdf	17 12 28.0	-0.1
061Z	Ochoppi	144.88	53	P	PKPdf	17 12 33.6	+5.5
060Z	West Palm Beac	144.90	52	P	PKPdf	17 12 33.7	+5.5
PB15	IPOC Station P	144.94	148	eP	PKPbc	17 12 28.0	-0.2
062Z	Marathon	145.28	55	P	PKPdf	17 12 28.8	-0.0
PB04	IPOC Station P	145.28	146	ePKPdf	PKPbc	17 12 30.1	+0.7
PB04	IPOC Station P	145.28	146	eP	PKPdf	17 12 30.8	+1.4
PB04	IPOC Station P	145.28	146	eP	PKPdf	17 12 27.7	-1.5
JTS	JuntasAbangare	145.36	81	PKPbc	PKPbc	17 12 30.8	+1.0
JTS	JuntasAbangare	145.36	81	PKPbc	PKPbc	17 12 30.6	+0.7
LVC	Limon Verde	145.73	148	ePKPdf	PKPbc	17 12 32.5	+1.2
LVC	Limon Verde	145.73	148	ePKPdf	PKPbc	17 12 31.8	+0.4
LVC	Limon Verde	145.73	148	ePKPdf	PKPbc	17 12 30.3	+1.7
PB07	IPOC Station P	145.73	146	eP	PKPdf	17 12 27.7	-2.6
PB07	IPOC Station P	145.73	146	eP	PKPdf	17 12 29.6	-1.2
PB02	IPOC Station P	146.23	145	eP	PKPbc	17 12 33.7	+0.7
PB02	IPOC Station P	146.23	145	eP	PKPbc	17 12 29.9	-0.8
CPUP	Villa Florida	146.63	168	PKPbc	PKPbc	17 12 33.3	+0.4

CPUP	comp=Z.199nm,0.5s,baz=195,slow=1.8,SNR=270	PP	PKP	17 15 55.7	+0.1		
CPUP	comp=Z.225nm,1.0s,baz=173,slow=1.0,SNR=3.7	PP	PKP	17 12 31.9	+0.8		
CPUP	Villa Florida	146.63	168	ePKPdf	PKPbc	17 15 57.1	+0.1
PB01	IPOC Station P	146.68	146	ePKPdf	PKPbc	17 12 32.5	-0.8
PB01	IPOC Station P	146.68	146	eP	PKPbc	17 12 34.7	+0.0
PB01	IPOC Station P	146.68	146	eP	PKPbc	17 12 31.8	+0.4
FSCY	Frank Sound, G	147.24	64	ePKPdf	PKPbc	17 12 32.7	+0.4
PSGG	Pegua	147.45	43	eP	PKPbc	17 12 33.1	+0.3
PB11	IPOC Station P	147.59	144	ePKPdf	PKPbc	17 12 33.9	+0.8
PB11	IPOC Station P	147.59	144	eP	PKPbc	17 12 36.3	+0.3
NNA	Nana	147.71	125	PKPbc	PKPbc	17 12 37.4	+1.1
NNA	Nana	147.71	125	PKPbc	PKPbc	17 12 34.4	+1.1
GO01	Chumiza	147.93	45	eP	PKPbc	17 12 35.0	+0.9
PB12	IPOC Station P	148.07	142	eP	PKPbc	17 12 36.3	-0.9
NMNC	Minye Minye	148.12	143	ePKPdf	PKPbc	17 12 35.5	+1.4
PRVC	Isla de Provid	148.51	75	eP	PKPbc	17 12 35.6	+1.1
PRVC	Isla de Provid	148.51	75	eP	PKPbc	17 12 35.6	+1.1
ATAH	Atahualpa	148.72	115	PKPbc	PKPbc	17 12 40.1	+0.8
PNME	Penonome	150.00	84	eP	PKPbc	17 12 35.6	-1.3
AZU	Azuero	150.07	86	eP	PKPbc	17 12 38.5	+1.5
BCIP	Isla Barro Col	150.46	83	ePKPdf	PKPbc	17 12 36.6	-1.0
UPA	Univ. de Panam	150.77	83	eP	PKPbc	17 12 39.7	+1.6
MCV	Melivare	150.82	85	eP	PKPbc	17 12 44.1	+0.2
CJ01	Coleville	150.86	64	eP	PKPbc	17 12 43.9	-0.1
MTDJ	Mout Saint-A	150.86	64	ePKPbc	PKPbc	17 12 43.8	-0.2
BBJ	Bamboo Dhan	151.04	63	eP	PKPbc	17 12 44.4	0.0
OTAV	Otavalo	151.07	101	ePKPdf	PKPbc	17 12 39.9	+0.7
OTAV	Otavalo	151.07	101	ePKPbc	PKPbc	17 12 44.1	+0.2
TUMC	Tumaco	151.91	98	eP	PKPbc	17 12 41.5	+2.8
LPAZ	La Paz	151.91	142	PKPbc	PKPbc	17 12 43.6	-1.9
LPAZ	La Paz	151.91	142	ePKPdf	PKPbc	17 12 40.5	+1.1
PCZ	Puntalanda	151.36	65	eP	PKPbc	17 12 45.1	+0.9
STH	Stony Hill	151.36	65	eP	PKPbc	17 12 40.0	+0.4
HGJ	Hog Hill	151.63	64	eP	PKPbc	17 12 51.1	-3.8
GRGC	Isla de Gorgon	151.85	96	eP	PKPbc	17 12 36.2	-3.6
YHJ	Yallahs	151.90	64	eP	PKPbc	17 12 41.6	+1.8
UPD	Meteti	152.28	94	eP	PKPbc	17 12 43.8	+3.4
UPD	Meteti	152.28	94	eP	PKPbc	17 12 44.1	+0.2
GCUF	Volcan Galeras	152.36	100	eP	PKPbc	17 12 43.0	+1.8
CPAS1	Pasto	152.37	100	eP	PKPbc	17 12 44.1	+3.0
CPAS2	Pasto	152.45	100	eP	PKPbc	17 12 46.1	-2.0
MALC	Bahia Malaga	152.80	94	eP	PKPbc	17 12 46.1	-2.3
MALC	Bahia Malaga	152.80	94	eP	PKPbc	17 12 46.7	-1.9
CRUC	La Cruz	152.81	99	eP	PKPbc	17 12 47.1	+1.0
SOLC	Bahia Solano	152.89	89	eP	PKPbc	17 12 41.5	+0.2
SOTA	Rioblanco	153.25	98	eP	PKPbc	17 12 42.6	+0.1
POPC	Popayan, Colom	153.25	97	eP	PKPbc	17 12 43.8	+1.6
PLON	Cinco Dias	153.49	98	eP	PKPbc	17 12 46.1	+3.2
PLON	Cinco Dias	153.49	98	eP	PKPbc	17 12 47.3	+0.9
PLMC	San Jos' de	153.93					

10d 16h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SNO, SINO, SINO_Merkez, Dikmen, Kislodovsk, etc.

2012 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KIS, KIShinev, MUDBU, Vedeno, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MOS, Moscow, Uzhgorod, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like GYA0B, MEF, ABTA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ASUD, FAO, CAF, UOSS, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like HHC, CD2, DBIC, etc.

MOS 10 17:00:26.8:0.0,44:84N:37.61E, h15km,7km, MPVA3.5, Western Caucasus. Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res.

10C 10 17:07:15.5:2.6,6:67S:128:49E, h0km, mb4.8/1, mb1.5/1.3, mb1mx4.2/43, mb2tmp4.9/3, Error ellipse: s-maj=274.9km s-min=31.2km az=66.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ANN, VOZR, KGUR, etc.

AZER 10 17:17:15.4:0.2,42:12N:46:05E, h26km, ml3.2/5, Error ellipse: s-maj=5.3km s-min=2.7km az=14.0

10d 18h

0.5m,0.5s,baz=134,slow=7.3,SNR=9.3

WEL 10 18:10:21.1,40'S,175E, h39km,3km,ML3.6/30, Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like OHWZ, WAZ, POWZ, etc.

IDC 10 18:11:23.0,2.2,6.53S,129.85E, h148km,26km,mb2.7/1, mb1 2.9/5, mb1mx2.8/31, mbtmp3.3/5, Error ellipse: s-maj=38.3km s-min=22.5km az=95.0, Banda Sea

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

IDC 10 18:15:14.2,6.7,4.3S,129.58E, h162km,37km,mb2.8/1, mb1 2.7/5, mb1mx2.7/33, mbtmp3.2/5, Error ellipse: s-maj=64.5km s-min=19.8km az=89.0, Banda Sea

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

ISCJB 10 18:22:14.7,2.3,2.0N,0.3,90.7E,0.1, h33km,mb3.6/3, Error ellipse: s-maj=14.0km s-min=15.4km az=18.7

IDC 10 18:22:15.0,4.7,2.29N,90.78E, h0km,mb3.5/3, mb1 3.6/6, mb1mx3.4/45, mbtmp3.5/6, ML3.4/3, Error ellipse: s-maj=90.3km s-min=34.6km az=10.0

ISC 10 18:22:17.6,2.7,2.1N,0.4,90.7E,0.1, h35km,n9,az=10/7, mb3.6/3, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like PSI, PALK, etc.

2012 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like CMAR, H08S2, H08S3, etc.

ISCJB 10 18:24:54.0,0.8,6.56S,0.06,130.03E,0.09, h146km, mb3.7/2, Error ellipse: s-maj=12.0km s-min=8.9km az=0.8

IDC 10 18:24:56.0,2.3,6.48S,129.95E, h142km,24km,mb3.5/2, mb1 3.6/6, mb1mx3.3/35, mbtmp4.0/6, Error ellipse: s-maj=40.0km s-min=20.6km az=99.0

ISC 10 18:24:54.0,0.9,6.56S,0.07,130.1E,0.1, h146km,n7, az=296/10, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like SIJI, BATI, FITZ, etc.

ISCJB 10 18:28:09.0,0.3,4.4,79N,0.03,9.37E,0.03, h20km,4km, Error ellipse: s-maj=4.3km s-min=3.7km az=160.8

ROM 10 18:28:09.0,0.1,4.4,77N,0.006,9.392E,0.0, h16km,1km,ML2.1/1

GEN 10 18:28:09.2,4.4,82N,9.39E, h15km,2km,ML2.1

VIE 10 18:28:10.5,0.7,4.4,97N,9.57E, h8km,mb2.2/1, mb2.2/2, Error ellipse: s-maj=5.3km s-min=4.0km az=149.0

LDG 10 18:28:10.7,0.1,4.4,74N,9.44E, h10km,ML2.5/11, Error ellipse: s-maj=2.7km s-min=2.1km az=50.0

ISC 10 18:28:08.6,0.9,4.4,82N,0.02,9.43E,0.02, h18km,4km, n37, az=123/63, Northern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like BOB, GORR, etc.

ISC 10 18:34:43.4,1.6,1.7,90S,0.1, h540km,19km, mb3.5/18, mb1 3.7/20, mb1mx3.6/36, mbtmp4.2/20, Error ellipse: s-maj=15.6km s-min=10.4km az=137.0

ISCJB 10 18:34:45.3,0.5,18.01S,0.09,178.6W,0.1, h579km, mb3.9/18, Error ellipse: s-maj=15.1km s-min=10.5km az=30.7

ISC 10 18:34:46.5,0.6,18.0S,0.1,178.6W,0.1, h579km,n24, az=190/25, mb3.8/18, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like AFI, RAO, DZM, etc.

ISC 10 18:34:58.6,2.2,6.23S,129.78E, h0km,mb4.0/1, mb1 3.6/3, mb1mx3.4/34, mbtmp3.4/3, ML3.2/2, Error ellipse: s-maj=142.0km s-min=30.7km az=69.0, Banda Sea

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

2012 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like HAU, LASF, etc.

ISCJB 10 18:28:48.7,0.7,60.5S,0.1,25.9W,0.4, h19km,mb4.6/5, Error ellipse: s-maj=28.9km s-min=10.9km az=149.4

IDC 10 18:28:49.6,2.8,60.08S,26.05W, h0km,mb4.0/3, mb1 4.2/3, mb1mx3.8/22, mbtmp4.0/3, Error ellipse: s-maj=108.1km s-min=41.3km az=173.0

NEIC 10 18:28:49.4,0.5,60.57S,25.88W, h10km,mb4.5/1, Error ellipse: s-maj=27.3km s-min=13.8km az=57.0

ISC 10 18:28:50.7,0.8,60.4S,0.2,25.7W,0.2, h19km,n19, az=158/19, mb4.3/5, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like VNA1, VNA2, etc.

MAN 10 18:31:51.7,6.85N,126.33E, h60km,mb4.3,ML3.1,MS2.9, 2C, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like MATI, DMPH, etc.

IDC 10 18:34:43.4,1.6,1.7,90S,0.1, h540km,19km, mb3.5/18, mb1 3.7/20, mb1mx3.6/36, mbtmp4.2/20, Error ellipse: s-maj=15.6km s-min=10.4km az=137.0

ISCJB 10 18:34:45.3,0.5,18.01S,0.09,178.6W,0.1, h579km, mb3.9/18, Error ellipse: s-maj=15.1km s-min=10.5km az=30.7

ISC 10 18:34:46.5,0.6,18.0S,0.1,178.6W,0.1, h579km,n24, az=190/25, mb3.8/18, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like AFI, RAO, DZM, etc.

ISC 10 18:34:58.6,2.2,6.23S,129.78E, h0km,mb4.0/1, mb1 3.6/3, mb1mx3.4/34, mbtmp3.4/3, ML3.2/2, Error ellipse: s-maj=142.0km s-min=30.7km az=69.0, Banda Sea

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

Table with columns for call sign, frequency, mode, and other details. Includes stations like KSH, UCH, EKS2, AML, INK, WHY, KK31, etc.

Table with columns for call sign, frequency, mode, and other details. Includes stations like ORV, VSU, BEKR, SCO, PAHR, ZEI, KIV, KMB, TBLG, CMB, FFC, YERR, WAKR, FCC, DLMT, HLID, GNI, RYN, SHME, AKH, AKH, KVN, IDID, BOZ, BOZ, ISAL, NV01, NVAR, IIGN, NV11, MSFE, UOSS, UOSS, DIGO, HATD, ASHO, YHB, NAZ, SOC, SOC, SOC, YHR, ARTV, HATD, DAG, DBAD, NC204, NOA, NOA, ALNE, EATA, ANN, FXYW, MOOW, HVU, HVU, HVU, HOMI, LOHW, REDW, R11A, AKASG, AKASG, AKASG, AKASG, AKAB, AKAB, AKAB.

Table with columns for call sign, frequency, mode, and other details. Includes stations like AKKB, AHID, EKAR, TPNV, DUG, DUG, DUG, FRB, TCUT, BW06, PD31, PDAR, PDAR, PDAR, NLU, KELT, SHPR, MPU, HANI, CCUT, MSU, LCMU, LCMU, BORG, MTPU, P17A, KNB, SRU, SRU, SRU, KIS, KIS, KIS, KIS, K22A, ULM, ULM, ULM, ULM, RSSD, RSSD, U15A, KWP, KWP, PV09, PV21, PV21, PV23, BUR0, PV10, BUR4, BUR4, PV14, BIZ, PV22, PV20, PV17, PV16, PV15, PV18, PV12, PV03, PV03, N213, WUAZ, AGMN, VRI, VRI, OJC, OJC, OJC, UZH, UZH, UZH, TLB, TLB, BR13, BRTR, BRTR, NIE, NIE, MVCO, DOPR, ISR, ISR, MLR, MLR, LANS, LANS, KSP, KSP, OKC, S22A, DRGR, DRGR, MORC, MORC, MORC, MORC, MORC, ARR, ARR, DPC, DPC.

Table of astronomical observations for 10d 22h, listing stations like UPC, PSZ, VYHS, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2012 DEC, listing stations like FVM, WHAR, WWT, etc., with columns for station name, coordinates, and observation details.

JMA 10 22:10:37.7-0.2, 37.93N-143.56E, h46km, M3.5, Off east coast of Honshu

Table of seismic data for JMA station, including station name, coordinates, phase ID, time, and residual.

IDC 10 22:13:22.4-1.0, 37.45N-143.87E, h0km, mb3.6/6, mb1.3, 9.9/11, mb1mx3.7/4.5, mbtmp3.7/11, ML 4.0/4, Error ellipse: s-maj=26.3km s-min=19.0km az=105.0

Table of seismic data for IDC station, including station name, coordinates, phase ID, time, and residual.

JMA 10 22:13:24.0-0.7, 37.55N-143.64E, 0.5, h33km, mb3.6/6, Error ellipse: s-maj=5.8km s-min=5.0km az=12.4

Table of seismic data for JMA station, including station name, coordinates, phase ID, time, and residual.

ISC 10 22:13:24.9-0.2, 37.59N-143.65E, h51km, M3.7, ISC 10 22:13:27.0-1.0, 37.54N-143.65E, 0.08, h35km, n25, s175/39, mb3.6/6, Off east coast of Honshu

Table of seismic data for ISC station, including station name, coordinates, phase ID, time, and residual.

RSNC 10 22:18:28.0-0.9, 6.83N-73.12W, h145km, 4km, ML3.4, Mw3.5, 6C-3D, Northern Colombia

Table of seismic data for RSNC station, including station name, coordinates, phase ID, time, and residual.

Table of astronomical observations for 2012 DEC, listing stations like PAMC, RUSC, PTBC, etc., with columns for station name, coordinates, and observation details.

IDC 10 22:20:34.0-1.0, 13.57N-91.61W, h0km, mb4.0/6, mb1.4/2.9, mb1mx3.9/3.4, mbtmp3.9/9, ML3.7/3, Error ellipse: s-maj=26.4km s-min=15.2km az=49.0

UCR 10 22:20:36.2-1.4, 13.51N-91.82W, h42km, ML3.7, ISC 10 22:20:38.0-0.9, 13.58N-91.009-91.55W-0.06, h28km, n26, s134/33, mb4.0/6, Near coast of Guatemala

Table of seismic data for IDC, UCR, and ISC stations, including station name, coordinates, phase ID, time, and residual.

IDC 10 22:44:17.2-2.6, 6.68S-120.12E, h149km, 35km, mb2.8/1, mb1.3/0.5, mb1mx2.9/2.7, mbtmp3.4/5, Error ellipse: s-maj=69.3km s-min=20.5km az=89.0, Banda Sea

Table of seismic data for IDC station, including station name, coordinates, phase ID, time, and residual.

10d 23h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Ohasama, Otama, Kaneyama, Nango, etc.

2012 DEC

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Malin Array, Pinedale Array, LTX, etc.

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Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Ixpaque, Boqueron, APG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Marunori, Otama, Ouri, Okura, Matsuhiro, etc.

GUC 11 01:38:11.8-0.5, 23.85S-67.47W, h260km±11km, ML3.5,

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

IDC 11 01:42:58.0±1.5, 37.68N:143.80E, h0km, mb3.5/3,

mb1 3.8/5, mb1mx3.4/65, mbtmp3.6/5, ML3.6/2, Error ellipse: s-maj=39.9km s-min=27.6km az=119.0

ISCJB 11 01:43:00.7±0.9, 37.92N:143.55E:0.06, h19km, mb3.6/3, Error ellipse: s-maj=7.5km s-min=5.8km az=32.6

NIED 11 01:43:00.37±0.00, 37.00N:143.60E, h20km, mb3.6, Best double comp=0.3, 0.90000, 1.014, NP1=182.00000, 853.00000,

λ=150.00000, NP2=73.00000, δ66.00000, λ=41.00000

JMA 11 01:43:02.0±2.2, 37.88N:143.55E, h48km, M3.8

ISC 11 01:43:00.9±1.2, 37.90N:0.06:143.64E:0.08, h19km, n22,

λ157/31, mb3.6/3, Off east coast of Honshu

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

IDC 11 01:44:32.3±2.8, 6.64S:129.84E, h129km±38km, mb3.0/1,

mb1 3.2/5, mb1mx3.0/55, mbtmp3.6/5, Error ellipse: s-maj=69.6km s-min=20.8km az=89.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Sorong, Fitzy Crossi, Warramunga Arr, etc.

IDC 11 01:46:10.7±3.2, 36.04N:70.58E, h106km±27km, mb3.5/8,

mb1 3.7/14, mb1mx3.4/62, mbtmp4.0/14, Error ellipse: s-maj=25.4km s-min=18.0km az=174.0

ISCJB 11 01:46:10.3±0.4, 36.35N:0.03:70.62E:0.05, h188km, mb3.5/7, Error ellipse: s-maj=5.9km s-min=3.7km az=154.6

NNC 11 01:46:18.6±1.8, 36.72N:70.38E, h141km±18km, mb3.5, mp4.1, Error ellipse: s-maj=17.0km s-min=10.0km

ISC 11 01:46:15.7±0.6, 36.40N:0.05:70.80E:0.06, h188km, n57,

α296/65, mb3.4/7, 11C-9D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Cherat, Chirah Chowk, Thame Wali, Sufi-Kurgan, etc.

IDC 11 01:49:46.4±2.2, 6.02S:130.18E, h0km, mb3.7/1,

mb1 3.6/4, mb1mx3.5/38, mbtmp3.5/4, ML3.2/3, Error ellipse: s-maj=94.8km s-min=27.5km az=77.0, Banda

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Fitzy Crossi, Warramunga Arr, etc.

IDC 11 02:00:46.7±3.9, 5.56S:148.46E, h0km, mb2.8/1,

mb1 3.3/3, mb1mx3.2/31, mbtmp3.1/3, ML3.3/1, Error ellipse: s-maj=127.4km s-min=42.0km az=105.0, New Britain region

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

ISCJB 11 02:13:27.1±0.4, 17.80S:0.03:69.80W:0.06, h169km, 3km,

mb4.1/14, Error ellipse: s-maj=10.0km s-min=4.6km az=7.9

NEIC 11 02:13:28.0±0.0, 17.81S:69.84W, h158km, mb4.5/7, ML4.4(GUC), After GUC.

IDC 11 02:13:29.2±1.1, 17.67S:69.46W, h154km±9km, mb3.9/10,

mb1 4.0/14, mb1mx3.8/29, mbtmp4.4/14, Error ellipse: s-maj=18.3km s-min=9.0km az=102.0

GUC 11 02:13:29.1±0.4, 17.77S:69.79W, h158km, 3km, ML4.4

ISC 11 02:13:27.1±0.4, 17.85S:0.04:69.73W:0.08, h143km, 6km,

n69, α206/93, mb4.3/14, Peru-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IPOC Station P, Minye Minye, LAS PENAS INFR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAK, MK32, MKAR, KLR, SONAO, SONMI.

NNC 11 02:14:39.3:0.9,41.18Nk:71.49E, h4km, 7km, mb3.7, mpv3.5, Error ellipse: s-maj=6.8km s-min=3.9km az=69.0

SOME 11 02:14:40.3:1.1,20N:71.60E, h5km

KRNET 11 02:14:41.1:0.1,41.21Nk:71.59E, h30km, mb3.2

ISC 11 02:14:39.8:1.2,41.21Nk:0.03:71.58E:0.02, h5km, 10km, n58, c1579/95, 46C-2Z, Phase ID

Main table of station data for 2012 DEC, including stations like ARK, ARS, ARSB, BTK, BTK, MNAS, IUG, DZA, DRK, TAS, AML, CHM, SFK, MRKS, KK31, ARLS, EKS2, EKS2, BRLS, UCH, UCH, UCH, AAK, AAK, AAK, FRU1, KZA, KZA, KBK, CHMS, CHMS, USP, USP, USP, NRR, NRR, TKM2, TKM2, TKM2, BOOM, BOOM, ULHL, ULHL, DGS, DGS, KST.

Table of station data for 2012 DEC, including stations like KST, MTBS, MTBS, IZV, IZV, TNSS, TNSS, KUU, KUU, MDOK, MDOK, MDOK, KTBS, KTBS, KOTS, KOTS, CHKK, CHKK, UZB, UZB, PDGK, PDGK, OTUK, OTUK, MK31, MK31, KURK, KURK, AB31, AB31, AKTO, AKTO.

IDC 11 02:27:36.5:1.4,37.57N:143.75E, h0km, mb3.6/3, m1 3.8/5, mb1mx3.5/37, mbtmp3.6/5, ML3.0/2, Error ellipse: s-maj=30.1km s-min=26.9km az=132.0

ISCJB 11 02:27:39.9:0.9,37.78N:0.04:143.53E:0.06, h33km, mb3.6/3, Error ellipse: s-maj=7.6km s-min=5.7km az=25.2

JMA 11 02:27:39.7:0.2,37.82N:143.55E, h46km, M3.4

ISC 11 02:27:41.3:1.2,37.81N:0.06:143.59E:0.08, h35km, n25, c1563/30, mb3.6/3, Off east coast of Honshu

Table of station data for 2012 DEC, including stations like JIKH, JIKH, JIO, JIO, JKMT, JKMT, OFUJ, OFUJ, JMK, JMK, JOM, JOM, JFT, JFT, JYK, JYK, JAG, JAG, JAG, JAG, JRY, JRY, JRY, JRY, JO2, JO2, MJAR, MJAR, MJAR, MJAR, MAT, MAT, JCH, JCH, JCH, JCH, USRK, USRK, H1N2, H1N2, H1N1, H1N1, H1N3, H1N3, H1S1, H1S1, H1S3, H1S3, H1S2, H1S2, ZALV, ZALV, ILAR, ILAR, WRA, WRA.

MAN 11 02:28:07.8:6.58N:126.15E, h33km, mb4.5, ML3.3, MS3.2, 2C, Mindanao

Table of station data for 2012 DEC, including stations like MATI, MATI, DMPP, DMPP, DMPP, DMPP, BIPH, BIPH, BUKP, BUKP, BUKP, BUKP, ISCJB 11 02:49:46.9:0.8,0.3:0S:0.1:121.6E:0.1, h250km, mb3.6/7, Error ellipse: s-maj=21.4km s-min=13.5km az=144.4

Table of station data for 11 55 3h, including stations like ASAR, ASAR, CMAR, CMAR, STKA, STKA, SONMI, SONMI, MKAR, MKAR, VNSA, VNSA, TXAR, TXAR.

IDC 11 03:00:22.6:1.6,9.83S:124.28E, h0km, mb3.3/1, mb1 3.6/4, mb1mx3.4/26, mbtmp3.4/4, ML3.3/3, Error ellipse: s-maj=26.9km s-min=12.5km az=146.0

ISCJB 11 03:00:27.6:0.8,10.148S:0.07:124.10E:0.08, h27km, mb3.4/1, Error ellipse: s-maj=14.3km s-min=5.7km az=143.6

DJA 11 03:00:28.7:2.7,10.5:28.2x12.4E, h29km, 7km, M3.2/3, MLV3.2/3

ISC 11 03:00:27.4:0.9,10.33S:0.08:124.16E:0.08, h27km, n8, c249/12, Timor region

Table of station data for 11 55 3h, including stations like BATI, BATI, BATI, BATI, SOEI, SOEI, FITZ, FITZ, FITZ, FITZ, WRA, WRA, WRA, WRA, ASAR, ASAR, ASAR, ASAR, MKAR, MKAR.

IDC 11 03:03:37.6:3.0,51.39N:179.88E, h0km, mb3.6/5, m1 3.9/5, mb1mx3.6/40, mbtmp3.6/5, ML3.1/3, Ms1 3.1/3, ms1mx2.6/35, Error ellipse: s-maj=80.6km s-min=26.7km az=180.0

ISCJB 11 03:03:42.3:1.1,51.09N:0.10:179.98E:0.06, h35km, mb3.7/5, MS3.3/2, Error ellipse: s-maj=14.5km s-min=4.5km az=13.0

NEIC 11 03:03:43.5:0.0,51.23N:179.94W, h23km, ML3.3(AEIC), after AEIC

ISC 11 03:03:42.8:1.2,51.22N:0.1:179.98E:0.04, h35km, n31, c1849/26, mb4.0/5, Rat Islands

Table of station data for 11 55 3h, including stations like AMKA, AMKA, AMKA, AMKA, CERB, CERB, CERB, CERB, CETU, CETU, CEAP, CEAP, GAEA, GAEA, LSPA, LSPA, LSSA, LSSA, LSSA, LSSA, TAPA, TAPA, KIKV, KIKV, KIWB, KIWB, ADK, ADK, ADK, ADK, GSD, GSD, GSD, GSD, PETK, PETK, ILAR, ILAR, H1N2, H1N2, H1N1, H1N1, H1S1, H1S1, H1S2, H1S2, YKA, YKA, SONMI, SONMI, PDAR, PDAR, PDAR, PDAR, FINES, FINES, AKTO, AKTO.

IDC 11 03:12:20.5:2.5,5.97S:130.34E, h0km, mb3.5/1, mb1 3.5/4, mb1mx3.4/26, mbtmp3.4/4, ML3.1/3, MS3.3/1, Ms1 3.3/1, ms1mx2.4/29, Error ellipse: s-maj=108.7km s-min=28.7km az=77.0, Banda Sea

Table of station data for 11 55 3h, including stations like FITZ, FITZ, WRA, WRA, WRA, WRA, ASAR, ASAR, BRDH, BRDH, MKAR, MKAR.

MDD 11 03:19:22.5:1.3,37.08N:13.82W, h26km, 14km, mb4.8/30, Error ellipse: s-maj=11.3km s-min=6.4km az=130.0

FRYMO, CNRM 11 03:19:23.2:36.83N:13.60W, h50km

IGIL 11 03:19:23.7:37.09N:13.82W, h60km, ML3.7

INMG 11 03:19:26.3:1.9,36.99N:13.75W, h10km, ML3.5, Error ellipse: s-maj=5.0km s-min=2.9km az=119.0

LDG 11 03:19:28.1:0.5,37.32N:13.52W, h20km, M3.5/11, Error ellipse: s-maj=10.4km s-min=7.7km az=60.0

ISC 11 03:19:23.4:2.5,37.23N:0.06:13.4W:0.1, h10km, n146, c233/211, 3C-2D, Azores-Cape St. Vincent Ridge

Table of station data for 11 55 3h, including stations like PFVI, PFVI, PFVI, PFVI.

11d 3h

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Vila Bisbo, Lisboa, Maratele, etc.

2012 DEC

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Viseu, Mantegais, Lamas de Olo, etc.

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Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like ETOR, EGOR, EMUR, ELAN, etc.

IDC 11 03:21:51.2;2.2,6.03S:130.00E,h0km,mb3.3/1, mb1.3.5/4, mb1mx3.3/37, mbtmp3.3/4, ML3.5/3, Error ellipse: s-maj=94.2km s-min=28.0km az=77.0, Banda Sea

IDC 11 03:23:53.2;4.5,38.43N:68.89E,h0km,mb3.5/2, mb1.3.4/4, mb1mx3.2/53, mbtmp3.4/4, ML2.9/2, Error ellipse: s-maj=143.9km s-min=23.2km az=151.0

ISCB 11 03:23:54.1;1.3,36.70N:0.09;7.0E;0.1,1100km, mb3.3/2, Error ellipse: s-maj=17.3km s-min=9.7km az=40.3

NMC 11 03:23:57.0;2.6,36.83N:70.67E,h75km,76km,mb3.4, mp3.6, Error ellipse: s-maj=25.3km s-min=18.7km az=125.0

ISC 11 03:23:55.1;1.8,36.70N:0.1;7.0E;0.1,1100km, n11, e1935/15, 4C-8D, Hindu Kush region

ISCB 11 03:24:18.1;1.1,3.5S;0.1;29.75E;0.06,h10km,mb3.8/2, MS3.1/1, Error ellipse: s-maj=15.8km s-min=8.9km az=171.6

IDC 11 03:28:42.0;1.6,3.45S:29.73E,h0km,mb3.9/2, mb1.4/0.3, mb1mx3.5/47, mbtmp4.0/3, ML3.8/1, MS3.1/2, M3.1.3/2, ms1mx2.6/29, Error ellipse: s-maj=35.0km s-min=22.7km az=165.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BBAT Babati, KOMD Kondoa, KIBA Kibaya, etc.

ISCJBJ 11 03:30:55.8,0.5,5.74N,0.04,126.17E,0.08,h115km,6km, mb4.0/11, Error ellipse: s-maj=12.7km s-min=7.1km az=4.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DDMP Don Marcolino, DMATI Mati, GSPH General Santos, etc.

ISC 11 03:32:35.0,2.5,29.97N,138.91E,h392km,26km,mb3.0/4, mb1 3.1/7, mb1mx2.8/55, mbmtmp3.7/7, Error ellipse: s-maj=29.5km s-min=19.7km az=88.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MJAR Matsushiro Arr, KSRS Korea Arr, KLR Kul'dur, etc.

ISC 11 03:32:47.0,1.4,37.60N,143.77E,h0km,mb3.6/3, mb1 3.9/6, mb1mx3.5/53, mbmtmp3.8/6, ML3.7/3, MS2.5/1, Ms1 2.5/1, ms1mx2.2/31, Error ellipse: s-maj=33.5km s-min=22.9km az=115.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JKMT Kesennunamototy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAJ Ashikawa, ASAJ Kurchatov Arr, JOW Kunigami, etc.

ISC 11 04:08:03.2,2.4,6.26S,130.05E,h145km,36km,mb3.3/1, mb1 3.3/5, mb1mx3.1/32, mbmtmp3.7/5, Error ellipse: s-maj=71.9km s-min=16.4km az=91.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SJUI Sorong, FITZ Fitzroy Crossi, FITZ, etc.

ISCJBJ 11 04:11:52.3,0.5,36.18N,0.04,140.49E,0.05,h75km,3km, mb3.5/5, Error ellipse: s-maj=6.9km s-min=5.9km az=9.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHYU Hitachinakayama, JYU Itakoto, JYU Itakohorinouch, etc.

ISC 11 04:11:53.7,0.8,36.19N,0.04,140.47E,0.05,h70km,6km, n25, e0.94/32, mb3.6/5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, MKAR Makanchi Arr, ILAR Eielson Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RPZ Rata Peaks, GSPA South Pole Qui, URZ Urewera, etc.

NIED 11 04:27:00,37.60N,143.60E,h5km,Mw3.5 Best double couple: M2.340000,1014 NP1.9,356.00000,829.00000, 1-104.00000, NP2.0,192.00000,862.00000, 7-82.00000

ISC 11 04:27:28.4,2.1,37.17N,143.67E,h0km,mb3.7/4, mb1 3.9/7, mb1mx3.6/45, mbmtmp3.8/7, ML3.9/2, MS3.1/2, Ms1 3.1/2, ms1mx2.4/41, Error ellipse: s-maj=53.4km s-min=22.9km az=67.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JKMT Kesennunamototy, etc.

NIED 11 04:42:00,37.90N,143.50E,h5km,Mw4.0 Best double couple: M1.210000,1015 NP1.9,356.00000,829.00000, 1-94.00000, NP2.0,196.00000,861.00000, 7-88.00000

ISC 11 04:42:16.8,0.6,37.82N,143.72E,h0km,mb4.0/15, mb1 4.2/20, mb1mx4.1/46, mbmtmp4.0/20, ML3.7/5, MS2.8/2, Ms1 2.8/2, ms1mx2.4/41, Error ellipse: s-maj=17.3km s-min=15.0km az=124.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JKMT Kesennunamototy, etc.

L02E	Cave Junction	26.82 159	P	P	05 18 01.2 +1.3
YHH	Holmes Hill	26.84 137	eP	P	05 18 01.9 +1.4
YMR	Madison River	26.92 137	eP	P	05 18 02.7 +1.6
RLMT	Red Lodge	26.94 135	eP	P	05 18 03.2 +1.9
RLMT	Red Lodge	26.94 135	P	P	05 18 02.1 +0.8
L04D	Klamath Falls	26.94 156	P	P	05 18 02.3 +1.1
YNR	Norris Junction	26.95 137	eP	P	05 18 03.2 +1.9
MFDI	Camas Ranch	26.96 146	eP	P	05 18 03.2 +1.8
HLID	Hailey	27.13 143	eP	P	05 18 04.5 +1.5
HLID	Hailey	27.13 143	P	P	05 18 03.5 +0.5
YFT	Old Faithful	27.16 137	eP	P	05 18 05.0 +1.8
LKWY	Lake	27.16 137	eP	P	05 18 04.9 +1.6
LKWY	Lake	27.16 137	eP	P	05 18 04.9 +1.6
H17A	Grant Village	27.27 137	eP	P	05 18 06.0 +1.7
H17A	Grant Village	27.27 137	P	P	05 18 05.0 +0.7
YPP	Pitchstone Pla	27.33 137	eP	P	05 18 06.9 +2.0
WVOR	Wild Horse Val	27.35 151	eP	P	05 18 06.8 +2.0
YBH	Yreka Blue Hor	27.36 157	eP	P	05 18 06.5 +1.7
YBH	Yreka Blue Hor	27.36 157	eP	P	05 21 25.2 +1.7
YBH	Yreka Blue Hor	27.36 157	eP	P	05 18 06.6 +1.7
YBH	Yreka Blue Hor	27.36 157	eP	P	05 21 25.2 +1.7
YBH	Yreka Blue Hor	27.36 157	eP	P	05 18 06.6 +1.7
MDND	Madlock	27.41 119	eP	P	05 18 06.8 +1.6
MDND	Madlock	27.41 119	P	P	05 18 05.4 +0.3
M04C	Macdoel	27.44 156	P	P	05 18 06.1 +0.4
FLWY	Flagg Ranch	27.54 137	eP	P	05 18 08.6 +2.0
MOD	Modoc Plateau	27.57 153	eP	P	05 18 07.8 +0.9
PKLO	Pick Lake	27.57 103	P	P	05 18 06.8 +0.2
M02C	Callahan	27.57 158	P	P	05 18 08.2 +0.5
MOOV	Moose Ponds	27.84 138	eP	P	05 18 10.7 +1.3
EPL0	Experimental L	27.86 110	P	P	05 18 09.9 +0.6
FKWY	Fox Creek	27.87 138	eP	P	05 18 11.5 +1.8
LOHW	Long Hollow	28.00 138	eP	P	05 18 13.0 +2.3
KHMM	Horse Mountain	28.06 159	eP	P	05 18 13.3 +2.1
SNOW	Snow King Moun	28.10 138	eP	P	05 18 14.4 +2.6
N02D	Trinity Center	28.10 158	P	P	05 18 13.1 +1.5
SOLO	Sioux Lookout	28.16 107	P	P	05 18 12.8 +0.9
REDW	Red Top Meadow	28.17 138	eP	P	05 18 14.7 +2.4
AGMN	Agassiz Natch	28.28 114	eP	P	05 18 14.3 +1.4
AGMN	Agassiz Natch	28.28 114	P	P	05 18 11.5 -1.5
SEY	Seymchan	28.44 295	eP	P	05 18 14.0 -0.3
SEY	Seymchan	28.44 295	eP	P	05 18 14.3 0.0
WDC	Whiskeytown Da	28.51 158	eP	P	05 18 16.9 +1.8
WDC	Whiskeytown Da	28.51 158	eP	P	05 18 16.9 +1.8
AHID	Auburn Hatcher	28.67 139	eP	P	05 18 19.1 +2.3
O02D	Mt. Diablo Mer	28.67 158	P	P	05 18 19.7 +1.3
O03E	Paynes Creek	28.90 156	P	P	05 18 19.6 +0.9
VIMO	Victor Mine	29.06 97	P	P	05 18 19.2 +0.2
BW06	Boulder Array	29.06 137	eP	P	05 18 22.2 +0.2
BW06	Boulder Array	29.06 137	P	P	05 18 20.8 +0.6
PD31	Pinedale Array	29.06 137	eP	P	05 18 21.9 +1.6
PD31	Pinedale Array	29.06 137	eP	P	05 21 28.2 +0.3
PDAR	Pinedale Array	29.06 137	eP	P	05 21 28.2 +0.3
PDAR	Pinedale Array	29.06 137	eP	P	05 21 10.9
HVU	Hansel Valley	29.20 142	eP	P	05 18 23.0 +1.6
HVU	Hansel Valley	29.20 142	eP	P	05 18 23.0 +1.6
ATK0	Atitok Iron	29.33 108	P	P	05 18 23.2 +0.9
RSSD	Black Hills	29.34 128	eP	P	05 18 24.3 +1.6
RSSD	Black Hills	29.34 128	eP	P	05 18 23.4 +1.6
RSSD	Black Hills	29.34 128	eP	P	05 18 23.0 +0.3
BEKR	Beckworth	29.55 154	eP	P	05 18 26.3 +1.8
BMN	Battle Mount	29.55 149	eP	P	05 18 27.4 +2.8
ELK	Elko	29.65 146	P	P	05 18 28.0 +2.5
ELK	Elko	29.65 146	P	P	05 31 15.8
ELK	Elko	29.65 146	eP	P	05 18 27.9 +2.5
ELK	Elko	29.65 146	P	P	05 18 28.0 +2.5
ELK	Elko	29.65 146	P	P	05 18 28.0 +2.5
HWUT	Hardwar Ranch	29.65 140	eP	P	05 18 27.4 +2.0
TIXI	Tiksi	29.67 320	P	P	05 18 24.7 -0.4
TIXI	Tiksi	29.67 320	P	P	05 33 54.0
TIXI	Tiksi	29.67 320	eP	P	05 18 24.6 -0.4
TIXI	Tiksi	29.67 320	eP	P	05 18 26.2 +1.2
TIXI	Tiksi	29.67 320	eP	P	05 18 23.2 -1.8
ORV	Oroville	29.67 156	eP	P	05 18 26.4 +1.0
ORV	Oroville	29.67 156	eP	P	05 18 26.4 +1.0
ORV	Oroville	29.67 156	eP	P	05 18 27.6 +1.5
SPUT	South Promonto	29.73 142	eP	P	05 18 27.6 +1.5
SUMG	Summit	29.81 37	eP	P	05 18 27.2 +0.4
SUMG	Summit	29.81 37	iP	P	05 18 26.9 +0.1
SUMG	Summit	29.81 37	eP	P	05 18 27.2 +0.4
SUMG	Summit	29.81 37	eP	P	05 18 27.2 +0.4
PAHR	Pat Rah Range	29.86 153	eP	P	05 18 29.4 +2.1
BGU	Big Grassy Mou	29.96 143	eP	P	05 18 30.5 +2.4
K22A	Casper	29.98 133	eP	P	05 18 29.6 +1.3

K22A	Casper	29.98 133	P	P	05 18 28.8 +0.5
EYMN	Ely	30.11 109	eP	P	05 18 30.6 +1.4
EYMN	Ely	30.11 109	P	P	05 18 27.6 -1.6
TCUT	Toone Canyon	30.15 141	eP	P	05 18 32.2 +2.3
GDXM	Geysers	30.22 159	eP	P	05 18 32.7 +2.4
VCNR	Virginia City	30.22 154	eP	P	05 18 32.9 +2.4
GTO	Geratlon	30.25 102	P	P	05 18 29.7 -0.7
AFDM	Forest Hills D	30.35 156	eP	P	05 18 32.7 +1.3
RUBR	Rubicon Tran	30.38 154	eP	P	05 18 33.7 +1.9
SFJD	Kangerlussuaq	30.38 51	iP	P	05 18 32.2 +0.9
PNTR	Pine Nut	30.43 154	eP	P	05 18 34.5 +2.1
CTU	Camp Tracy	30.47 141	eP	P	05 18 34.4 +1.7
DAG	Daguerre Haven	30.55 24	iP	P	05 18 33.5 +0.7
YERR	Yerington	30.59 153	eP	P	05 18 35.9 +2.2
SUSD	Miller	30.62 121	P	P	05 18 32.8 -1.0
JLU	Jordanille	30.63 141	eP	P	05 18 35.6 +1.4
RWWY	Rawlins	30.68 134	eP	P	05 18 35.0 +0.4
DUG	Dugway, Tooele	30.70 143	eP	P	05 18 36.6 +2.0
DUG	Dugway, Tooele	30.70 143	eP	P	05 18 36.6 +2.0
DUG	Dugway, Tooele	30.70 143	eP	P	05 18 35.9 +1.3
DUG	Dugway, Tooele	30.70 143	eP	P	05 18 37.3 +2.3
KVN	Kaiserville	30.73 151	eP	P	05 18 37.3 +2.3
KVN	Kaiserville	30.73 151	eP	P	05 18 37.3 +2.3
WAKR	Walker	31.03 154	eP	P	05 18 40.0 +2.3
RYN	Ryan	31.06 152	eP	P	05 18 40.2 +2.3
NLU	North Lily Min	31.10 142	eP	P	05 18 40.5 +2.3
MPU	Maple Canyon	31.14 142	eP	P	05 18 40.7 +2.1
E38A	The Farm, Brul	31.23 110	P	P	05 18 38.7 -0.4
NV01	Minia Array Sit	31.30 152	eP	P	05 18 42.5 +2.5
NV01	Minia Array	31.30 152	eP	P	05 18 35.1 +1.4
NV01	Minia Array	31.30 152	eP	P	05 18 42.5 +2.5
NVAR	NVAR	31.33 155	eP	P	05 21 35.1 +1.4
NVAR	NVAR	31.33 155	eP	P	05 31 33.9
CMB	Columbia Colle	31.33 155	eP	P	05 18 41.9 +1.8
CMB	Columbia Colle	31.33 155	eP	P	05 18 41.9 +1.8
MA2	Magadan	31.34 291	LR	LR	05 33 20.3
MA2	Magadan	31.34 291	LR	LR	05 18 41.7 +1.7
PHWY	Pilot Hill	31.53 132	eP	P	05 18 43.8 +1.7
F37A	Hinrichs Farm,	31.62 112	P	P	05 18 41.5 -1.0
F38A	Pierce - Schro	31.68 111	P	P	05 18 43.3 +0.2
N23A	Red Feather La	31.77 133	eP	P	05 18 45.4 +1.4
N23A	Red Feather La	31.77 133	eP	P	05 18 44.4 +0.2
E39A	Mellen	31.79 109	P	P	05 18 43.5 -0.5
O20A	White River Ci	31.87 137	eP	P	05 18 46.7 +1.7
O20A	White River Ci	31.87 137	eP	P	05 18 46.0 +1.0
P17A	Troy Canyon, C	31.87 141	eP	P	05 18 47.6 +2.6
R11A	Troy Canyon, C	31.89 148	P	P	05 18 47.1 +2.0
R11A	Troy Canyon, C	31.89 148	P	P	05 18 46.1 +1.0
MDPB	Devils Postpil	31.94 153	eP	P	05 18 48.2 +2.5
E40A	Wakefield	31.96 109	P	P	05 18 45.0 -0.5
OMMB	Old Mammoth Mi	31.97 153	eP	P	05 18 48.7 +2.6
MLAC	Mammoth, Mammo	31.98 153	P	P	05 18 47.3 +1.3
SPMN	Marine on St.	31.99 113	eP	P	05 18 47.6 +1.8
SPMN	Marine on St.	31.99 113	P	P	05 18 45.9 +0.1
ECSD	EROS Data Cent	32.02 119	P	P	05 18 47.6 +0.6
ECSD	EROS Data Cent	32.02 119	P	P	05 18 46.7 +0.6
F39A	Loretta	32.05 110	P	P	05 18 45.9 -0.4
PSUT	Pine Spring	32.06 145	eP	P	05 18 49.2 +2.4
KAPO	Kapuskasung	32.15 98	P	P	05 18 48.3 +1.2
SARU	San Rafael Swe	32.17 140	eP	P	05 18 50.8 +2.3
SRU	San Rafael Swe	32.17 140	eP	P	05 18 50.8 +2.3
E41A	Kent	32.28 108	P	P	05 18 47.1 -1.2
Q16A	Castle Valley	32.30 142	eP	P	05 18 50.5 +1.8
F40A	Park Falls	32.33 109	P	P	05 18 48.3 -0.5
G38A	Ridgeland	32.37 112	P	P	05 18 49.9 +0.8
MSU	Marysvale	32.45 143	eP	P	05 18 53.2 +3.0
MSU	Marysvale	32.45 143	eP	P	05 18 53.2 +3.0
G39A	Holcombe	32.51 111	P	P	05 18 50.3 0.0
H38A	Maiden Rock	32.65 113	P	P	05 18 51.2 -0.4
OGNE	Ogallala	32.84 128	P	P	05 18 52.9 -0.5
F41A	Three Lakes	32.85 108	eP	P	05 18 54.5 +1.2
F41A	Three Lakes	32.85 108	eP	P	05 18 53.2 -0.1
GRAC	Grapevine Rang	32.86 151	P	P	05 18 55.9 +2.4
G40A	Rib Lake	32.87 110	eP	P	05 18 54.5 +1.0
G40A	Rib Lake	32.87 110	eP	P	05 18 54.0 +0.5
ISCO	Idaho Springs	32.88 133	eP	P	05 18 55.8 +1.8
ISCO	Idaho Springs	32.88 133	eP	P	05 18 55.8 +1.8
ISCO	Idaho Springs	32.88 133	P	P	05 18 55.1 +1.1
MTPU	Mount Pierson	32.90 143	eP	P	05 18 57.3 +3.0
H39A	Augusta	33.00 112	P	P	05 18 54.8 +0.2
E43A	Lone Tree Farm	33.06 105	eP	P	05 18 56.1 +1.0
E43A	Lone Tree Farm	33.06 105	P	P	05 18 55.6 +0.4
SMCO	Snowmass	33.10 136	eP	P	05 18 57.6 +1.6
TPNV	Topopah Spring	33.11 150	eP	P	05 18 57.6 +1.8
TPNV	Topopah Spring	33.11 150	eP	P	05 18 57.6 +1.8
TPNV	Topopah Spring	33.11 150	P	P	05 18 57.3 +1.4

CCUT	Cedar City	33.12 145	eP	P	05 18 58.3 +2.4
SZCU	Shurtz Canyon	33.13 145	eP	P	05 18 58.2 +2.1
PV21	Conte Mtn., Par	33.17 139	eP	P	05 18 58.2 +1.8
F42A	Maple Grove Fa	33.18 107	P	P	05 18 56.2 0.0
PV09	Paradox Valley	33.19 139	eP	P	05 18 58.0 +1.3
PV22	Blue Mesa, Par	33.24 138	eP	P	05 18 58.6 +1.6
PV23	Carpenter Ridge	33.26 139	eP	P	05 18 58.7 +1.4
CWC	Cottonwood Cre	33.27 152	P	P	05 18 56.6 -0.6
G41A	Antigo	33.28 109	P	P	05 18 57.9 +0.9
PV10	Paradox Valley	33.33 139	eP	P	05 18 60.0 +2.1
PV14	Lion Creek, Pa	33.33 139	eP	P	05 18 59.6 +1.8
H40A	Chili	33.36 111	P	P	05 18 58.6 +0.9
PV20	West Nyswonger	33.38 139	eP	P	05 18 59.6 +1.4
PV19	Morning Glory	33.40 139	eP	P	05 19 00.0 +1.6
PV16	Nyswonger Mesa	33.42 139	eP	P	05 19 00.3 +1.7
PV17	East Wray Mesa	33.44 139	eP	P	05 19 00.3 +1.6
PV11	David Mesa, Pa	33.44 139	eP	P	05 19 00.0 +1.3
PV12	Saucer Basin,	33.44 139	eP	P	05 19 00.4 +1.6
FURC	Furnace Creek	33.46 151	P	P	05 19 01.2 +2.5
F43A	Flat Rock, Esc	33.47 106	P	P	05 18 58.4 -0.3
PV18	Skein Mesa, Pa	33.48 139	eP	P	05 19 01.0 +1.9

MVCO	Mesa Verde	34.57 139	eP	P	05 19 10.4 +1.8
MVCO	Mesa Verde	34.57 139	P	P	05 19 09.4 +1.2
J41A	Loganville	34.59 112	P	P	05 19 09.8 +0.9
GSC	Goldstone, Bar	34.61 151	eP	P	05 19 11.4 +2.6
GSC	Goldstone, Bar	34.61 151	eP	P	05 19 11.4 +2.6
GSC	Goldstone, Bar	34.61 151	P	P	05 19 10.5 +1.7
TUQ	Turquoise Moun	34.64 150	P	P	05 19 11.0 +1.8
G45A	Suttons Bay	34.69 105	P	P	05 19 08.8 -0.5
SCIA	State Center	34.78 116	eP	P	05 19 12.0 +1.9
SCIA	State Center	34.78 116	P	P	05 19 11.2 +1.1
K40A	Colesburg	34.78 113	P	P	05 19 10.6 +0.4
I43A	Langenfeld Bro	34.80 109	P	P	05 19 10.6 +0.4
EDW2	Edwards Air Fo	34.81 153	P	P	05 19 11.9 +1.4
SDCO	Great Sand Dun	34.84 135	eP	P	05 19 12.8 +1.8
SDCO	Great Sand Dun	34.84 135	P	P	05 19 12.4 +1.4
JFWS	Jewell Farm	34.91 112	eP	P	05 19 12.5 +1.3
JFWS	Jewell Farm	34.91 112	eP	P	05 19 12.5 +1.3
JFWS	Jewell Farm	34.91 112	P	P	05 19 11.0 -0.2
H45A	Beulah	34.91 106	P	P	05 19 11.5 +0.3
SUNO	Sudbury Onapin	34.91 99	P	P	05 19 12.7 +1.4
J42A	Columbus	34.95 111	P	P	05 19 12.4 +0.9
SBC	Santa Barbara	34.95 156	P	P	05 19 13.6 +1.9
RRX	Edison Barstow	34.99 152	P	P	05 19 13.7 +1.7
L39A	Vinton	35.00 115	P	P	05 19 12.9 +0.9
D50A	G1974 Best Tow	35.04 97	P	P	05 19 12.4 +0.1
F48A	Evansville	35.13 101	P	P	05 19 12.6 -0.5
J43A	Natural Harves	35.14 110	P	P	05 19 13.2 0.0
VLD0	Val d'Or	35.14 94	eP	P	05 19 13.5 +0.3
VLD0	Val d'Or	35.14 94	P	P	05 19 10.5 -2.7
LDFC	Landfair	35.14 149	eP	P	05 19 15.3 +1.8
HEC	Hector,Ludlow	35.15 151	P	P	05 19 15.6 +2.1
K41A	Shullsburg	35.16 112	P	P	05 19 13.1 -0.3
G47A	Hillman	35.24 103	P	P	05 19 14.1 +0.1
GLMI	Gravling	35.26 104	P	P	05 19 14.8 +0.6
D51A	Lot 18 Range I	35.27 97	P	P	05 19 14.6 +0.3
H46A	File Lake	35.29 105	P	P	05 19 15.2 +0.8
L40A	Anamosa	35.32 114	eP	P	05 19 15.9 +1.2
L40A	Anamosa	35.32 114	P	P	05 19 15.4 +0.7
GMRC	Granite Mounta	35.32 150	P	P	05 19 17.2 +2.2
E50A	Wahnapiatae	35.33 99	P	P	05 19 15.9 +1.1
K42A	Wahnapitae	35.34 111	P	P	05 19 15.8 +0.9
DECC	Green Verdugo	35.36 154	P	P	05 19 17.3 +2.0
W13A	Hualapai Mount	35.37 147	eP	P	05 19 17.6 +2.1
BLG	Laguna Peak, P	35.38 155	P	P	05 19 17.0 +1.6
F49A	Sandfield	35.40 101	P	P	05 19 16.7 +1.3
MWC	Mount Wilson	35.44 153	eP	P	05 19 18.4 +2.3
PASC	Pasadena Art C	35.47 153	eP	P	05 19 18.4 +2.4
CBKS	Cedar Bluff	35.49 127	eP	P	05 19 17.7 +1.4
CBKS	Cedar Bluff	35.49 127	eP	P	05 19 17.7 +1.4
CBKS	Cedar Bluff	35.49 127	P	P	05 19 17.1 +0.8
BFSC	Mount Baldy Ra	35.49 153	P	P	05 19 18.4 +1.9
WUAZ	Wupatki	35.50 144	eP	P	05 19 18.9 +2.3
WUAZ	Wupatki	35.50 144	P	P	05 19 17.8 +1.2
M39A	Webster	35.51 116	P	P	05 19 17.3 +0.9
NEE2	Needles Airpor	35.54 148	P	P	05 19 18.0 +1.3
L41A	Preston	35.56 113	P	P	05 19 17.6 +0.8
BBRC	Big Bear Solar	35.60 152	P	P	05 19 19.4 +1.9
H47A	Mio	35.60 104	P	P	05 19 16.3 -0.8
E51A	G1948 Merrick	35.70 98	P	P	05 19 18.7 +0.8
T25A	Trinidad	35.70 133	eP	P	05 19 19.9 +1.5
T25A	Trinidad	35.70 133	P	P	05 19 19.2 +0.8
D52A	ZEK Kipawa Sen	35.73 96	P	P	05 19 18.2 -0.1
K43A	Burlington	35.76 110	eP	P	05 19 20.3 +1.8
K43A	Burlington	35.76 110	P	P	05 19 19.1 +0.6
EEO	Eldee	35.76 97	P	P	05 19 19.0 +0.5
M40A	Post Highland	35.80 115	P	P	05 19 19.2 +0.3
J45A	Montague	35.82 107	P	P	05 19 18.8 -0.2
D53A	Lac Vacive, Po	35.91 95	P	P	05 19 20.4 +0.6
L42A	Oliver, Polo	35.91 112	eP	P	05 19 21.0 +1.2
L42A	Oliver, Polo	35.91 112	P	P	05 19 20.1 +0.2
I47A	Gladwin	35.99 105	P	P	05 19 19.7 -0.8
BELC	Belle Mtn, Jos	36.02 150	P	P	05 19 22.3 +1.3
IRM	Iron Mountain	36.03 149	P	P	05 19 22.9 +1.9
F51A	Arnstein	36.05 99	P	P	05 19 20.9 -0.1
L43A	Garden Prairie	36.08 111	P	P	05 19 21.3 +0.1
PDMCI	Parker Dam,Lak	36.09 148	P	P	05 19 22.1 +0.8
I48A	Sherman Twp	36.14 104	P	P	05 19 22.0 +0.2
SNCC	San Nicolas Is	36.16 156	P	P	05 19 23.7 +1.7
J46A	Howard City	36.16 107	P	P	05 19 22.2 +0.3
M41A	Milan	36.16 114	P	P	05 19 21.9 -0.1
CIS	Catalina Islan	36.18 154	P	P	05 19 23.9 +1.7
MURC	Murrieta	36.20 152	P	P	05 19 24.0 +1.6
KSU1	Kansas State U	36.20 123	eP	P	05 19 23.1 +0.8
KSU1	Kansas State U	36.20 123	P	P	05 19 23.1 +0.8

E52A	Mattawa	36.22 97	P	P	05 19 22.5 +0.1
D54A	Lac Fusel, La	36.24 94	P	P	05 19 22.6 0.0
N40A	Mertquake, Sal	36.24 115	P	P	05 19 22.6 -0.1
W18A	Petrified Fore	36.26 142	eP	P	05 19 24.8 +1.7
W18A	Petrified Fore	36.26 142	P	P	05 19 24.3 +1.1
PFO	Pinyon Flats O	36.31 151	eP	P	05 19 25.6 +2.1
PFO	Pinyon Flats O	36.31 151	eP	P	05 19 25.6 +2.1
PFO	Pinyon Flats O	36.31 151	P	P	05 19 24.8 +1.3
XPFO	Pison Flat	36.32 151	eP	P	05 19 25.2 +1.6
M42A	Sheffield	36.37 113	P	P	05 19 24.4 +0.7
L44A	Lake County Fo	36.37 110	P	P	05 19 24.3 +0.6
F52A	Sundridge	36.38 98	P	P	05 19 23.7 -0.1
YAK	Yakutsk	36.40 308	eP	P	05 19 23.7 -0.1
YAK	Yakutsk	36.40 308	eP	P	05 19 21.3 +0.7
YAK	Yakutsk	36.40 308	eP	P	05 21 52.8
YAK	Yakutsk	36.40 308	eP	P	05 25 00.4 -3.6
YAK	Yakutsk	36.40 308	eP	P	05 29 37.1
YAK	comp=Z,44nm,1.4s		P	P	
YAK	comp=E,24nm,1.4s		P	P	
YAK	comp=N,27nm,1.4s		P	P	
YAK	comp=Z,263nm,3.0s		P	P	
YAK	comp=E,248nm,3.3s		P	P	
YAK	comp=N,284nm,2.7s		P	P	
YAK	comp=N,359nm,3.4s		P	P	
FRD	Ford Ranch, An	36.40 152	P	P	05 19 25.8 +1.6
BC3	Big Chucckawall	36.46 150	P	P	05 19 26.6 +1.9
E53A	Dumoine, Ponti	36.51 96	P	P	05 19 25.6 +0.7
X16A	Lo Mia Camp, P	36.54 144	eP	P	05 19 28.3 +2.7
Y12C	Blythe	36.55 149	eP	P	05 19 27.5 +2.2
Y12C	Blythe	36.55 149	P	P	05 19 27.3 +2.0
SC12	San Clemente I	36.57 154	P	P	05 19 27.7 +2.1
E54A	Lac Duplat, Po	36.64 95	P	P	05 19 26.4 +0.4
N41A	Harden Midland	36.65 115	eP	P	05 19 27.1 +1.0
N41A	Harden Midland	36.65 115	P	P	05 19 26.6 +0.5
M43A	Waltham Townsh	36.66 112	P	P	05 19 27.1 +0.9
I49A	Point Hope	36.67 103	P	P	05 19 26.1 -0.2
K46A	Dorr	36.69 107	P	P	05 19 26.9 +0.5
X18A	Snowflake	36.77 142	eP	P	05 19 29.6 +2.1
N42A	Yates City	36.83 114	P	P	05 19 28.2 +0.6
J48A	Briar Port	36.88 105	P	P	05 19 30.2 +2.1
109C	Camp Elliot, M	36.91 152	P	P	05 19 30.2 +1.8
K47A	Vermontville	36.98 107	P	P	05 19 29.3 +0.3
M44A	Midewin, Midew	37.02 111	eP	P	05 19 30.7 +1.4
M44A	Midewin, Midew	37.02 111	P	P	05 19 30.2 +0.9
MONP2	Monument Peak	37.02 151	P	P	05 19 31.4 +1.8
N43A	Stutzman Famil	37.02 113	P	P	05 19 30.2 +0.9
J49A	Marlette	37.06 104	P	P	05 19 30.7 +1.1
SWSC	Sam W. Stewart	37.08 151	P	P	05 19 31.6 +1.7
L46A	Eue Claire	37.09 109	P	P	05 19 30.4 +0.5
H52A	Wyevale	37.15 100	P	P	05 19 31.1 +0.7
GLA	Glamis	37.16 149	eP	P	05 19 32.9 +2.3
GLA	Glamis	37.16 149	eP	P	05 19 32.9 +2.3
GLA	Glamis	37.16 149	P	P	05 19 32.6 +1.9
O41A	Passleys Farm,	37.17 115	P	P	05 19 31.1 +0.5
BAR	Barrett	37.18 152	eP	P	05 19 33.0 +2.2
K48A	Perry	37.19 106	P	P	05 19 31.1 +0.4
G53A	Haliburton	37.22 98	P	P	05 19 31.6 +0.7
ANMO	Albuquerque	37.23 137	eP	P	05 19 33.8 +2.4
ANMO	Albuquerque	37.23 137	eP	P	05 19 33.7 +2.4
ANMO	Albuquerque	37.23 137	P	P	05 19 33.8 +2.4
M45A	Boilermakers S	37.30 110	P	P	05 19 31.6 -0.1
IKP	IKo-Pah, Jac	37.31 151	P	P	05 19 33.5 +1.6
SADO	Sadowa	37.32 99	eP	P	05 19 32.9 +1.1
SADO	Sadowa	37.32 99	P	P	05 19 32.3 +0.5
HDIL	Hopedale	37.32 113	eP	P	05 19 33.1 +1.2
HDIL	Hopedale	37.32 113	P	P	05 19 32.4 +0.5
O42A	Bath	37.37 114	P	P	05 19 33.6 +1.4
K49A	Clarkson	37.44 105	P	P	05 19 33.5 +0.6
SMQ	Clarks City	37.45 82	P	P	05 19 33.2 +0.4
I51A	Listowel	37.45 102	P	P	05 19 33.3 +0.4
F55A	Otter Lake	37.46 95	P	P	05 19 33.7 +0.7
P41A	Barry Barry	37.50 116	P	P	05 19 33.7 +0.3
L47A	Sherwood	37.52 107	P	P	05 19 33.9 +0.4
N44A	Wip City	37.52 111	P	P	05 19 33.8 +0.3
I52A	Shelburne	37.54 100	P	P	05 19 34.1 +0.4
O43A	Sugar Creek Fa	37.56 113	P	P	05 19 34.3 +0.4
L4Z	Ladron	37.57 138	eP	P	05 19 37.0 +2.7
DAQ	Lac Daran	37.60 88	P	P	05 19 35.1 +0.8
M46A	Old House Fiel	37.60 109	eP	P	05 19 35.7 +1.4
M46A	Old House Fiel	37.60 109	P	P	05 19 34.9 +0.6
113A	Mohawk Valley,	37.65 148	eP	P	05 19 37.7 +2.1
VABO	Val Des Bois	37.68 94	P	P	05 19 34.4 -0.5
N45A	Kentland	37.69 111	P	P	05 19 36.2 +1.2
CNO	Baie Comeau	37.69 84	P	P	05 19 35.7 +0.8
K50A	Casco	37.75 104	P	P	05 19 36.0 +0.5
LPM	Los Pinos Moun	37.78 138	eP	P	05 19 38.1 +2.0
AAM	Ann Arbor	37.79 105	eP	P	05 19 37.4 +1.6

AAM	Ann Arbor	37.79 105	eP	P	05 19 37.4 +1.6
AAM	Ann Arbor	37.79 105	P	P	05 19 35.9 +0.1
G55A	Calabogie	37.82 96	P	P	05 19 35.9 -0.1
L48A	N Adams	37.82 107	P	P	05 19 36.3 +0.2
P42A	Winchester	37.83 115	eP	P	05 19 36.6 +0.5
P42A	Winchester	37.83 115	P	P	05 19 36.4 +0.3
LENM	Lemitar	37.84 138	eP	P	05 19 38.8 +2.3
GAC	Glen Almond	37.90 94	P	P	05 19 38.0 +1.4
L49A	Milan	37.92 106	P	P	05 19 37.7 +0.8
N46A	Monticello	37.92 110	P	P	05 19 37.8 +0.9
BNM	Barren Site	37.94 138	eP	P	05 19 38.8 +2.3
U32A	Winter Ranch,	37.96 127	eP	P	05 19 38.7 +1.4
I53A	Korright Cn E	37.97 100	P	P	05 19 37.5 +0.2
O44A	Mansfield	37.97 112	P	P	05 19 37.7 +0.4
P43A	Skaggs, Pawnee	38.06 114	P	P	05 19 38.2 +0.1
DPQ	Saint Jean	38.09 91	P	P	05 19 39.3 +1.0
Q41A	Truxton	38.09 116	P	P	05 19 38.5 +0.2
M48A	Edgerton	38.12 107	P	P	05 19 38.9 +0.3
J52A	Paris	38.14 101	P	P	05 19 38.5 -0.3
O45A	Potomac	38.14 111	P	P	05 19 39.4 +0.6
K51A	Iona Station	38.21 103	P	P	05 19 40.4 +1.1
A64	Saint Simeon	38.23 87	P	P	05 19

11d 5h

Table with columns: ID, Name, Frequency, Power, Modulation, and other parameters. Includes entries like HHAR Hobbs, T41A Mountain View, P48A Milroy, etc.

2012 DEC

Table with columns: ID, Name, Frequency, Power, Modulation, and other parameters. Includes entries like R51A Hillsboro, SSPA Standing Stone, SSPA Staining Stone, etc.

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Table with columns: ID, Name, Frequency, Power, Modulation, and other parameters. Includes entries like V50A Pikeville, Y56A Yeager Farm, JCT Junction City, etc.

250A	comp=Z,26nm,0.8s Ashland baz=336,SNR=12	45.06 114	P	P	05 20 35.9 +0.3
HPIG	comp=Z,24nm,1.1s Pauline	45.07 140	eP	P	05 20 37.5 +1.6
344A	comp=Z,42nm,0.9s Westbrook Farm	45.10 120	eP	P	05 20 38.3 +2.4
344A	comp=Z,37nm,0.9s Westbrook Farm	45.10 120	P	P	05 20 37.0 +1.2
Y52A	comp=Z,27nm,0.8s Liburn	45.15 112	eP	P	05 20 37.6 +1.4
Y52A	comp=Z,37nm,0.9s Liburn	45.15 112	P	P	05 20 36.9 +0.6
247A	comp=Z,33nm,0.8s Quitman	45.25 118	P	P	05 20 37.7 +0.7
Z51A	comp=Z,37nm,0.9s Franklin	45.26 113	P	P	05 20 37.0 -0.1
Y53A	comp=Z,33nm,0.8s Monroe	45.33 111	P	P	05 20 37.9 +0.2
149A	comp=Z,33nm,0.8s Jones	45.36 115	P	P	05 20 38.3 +0.4
833A	comp=Z,33nm,0.8s Chaparral WMA	45.39 132	eP	P	05 20 39.1 +0.9
833A	comp=Z,33nm,0.8s Chaparral WMA	45.39 132	P	P	05 20 39.3 +1.2
HODGE	comp=Z,32nm,0.9s Hodges	45.46 110	eP	P	05 20 39.5 +0.9
345A	comp=Z,32nm,0.9s Thompson Farm	45.46 120	P	P	05 20 40.1 +1.4
248A	comp=Z,33nm,0.8s Dixon Mills	45.50 117	P	P	05 20 39.5 +0.5
346A	comp=Z,33nm,0.8s Big Creek Wild	45.58 119	eP	P	05 20 41.2 +1.6
346A	comp=Z,33nm,0.8s Big Creek Wild	45.58 119	P	P	05 20 39.1 -0.4
150A	comp=Z,33nm,0.8s Eclectic	45.62 115	P	P	05 20 40.3 +0.4
Y54A	comp=Z,33nm,0.8s Tignall	45.64 110	P	P	05 20 39.5 -0.6
Z52A	comp=Z,33nm,0.8s Williams	45.64 112	P	P	05 20 40.0 -0.1
J5C	comp=Z,53nm,0.9s Jenkinsville	45.77 108	eP	P	05 20 41.7 +0.6
J5C	comp=Z,53nm,0.9s Jenkinsville	45.77 108	eP	P	05 20 41.7 +0.6
GOGA	comp=Z,53nm,0.9s Godfrey	45.77 111	eP	P	05 20 42.0 +0.9
GOGA	comp=Z,43nm,0.8s Godfrey	45.77 111	eP	P	05 20 42.0 +0.9
GOGA	comp=Z,43nm,0.8s Godfrey	45.77 111	P	P	05 20 41.4 +0.3
249A	comp=Z,33nm,0.8s Camden	45.82 116	P	P	05 20 41.5 0.0
Z53A	comp=Z,33nm,0.8s Monticello	45.85 112	P	P	05 20 42.1 +0.3
347A	comp=Z,33nm,0.8s Saraland	45.87 118	P	P	05 20 42.6 +0.7
151A	comp=Z,33nm,0.8s Opelika	45.93 114	P	P	05 20 42.5 +0.2
152A	comp=Z,33nm,0.8s Waverly Hall	46.01 113	eP	P	05 20 44.0 +1.0
152A	comp=Z,33nm,0.8s Waverly Hall	46.01 113	P	P	05 20 43.7 +0.7
Z50A	comp=Z,33nm,0.8s Grady	46.11 115	eP	P	05 20 44.3 +0.5
Z50A	comp=Z,33nm,0.8s Grady	46.11 115	P	P	05 20 44.2 +0.5
CNNC	comp=Z,33nm,0.8s Cliffs of the	46.13 104	P	P	05 20 44.1 +0.2
Z54A	comp=Z,33nm,0.8s Sparta	46.15 111	P	P	05 20 44.6 +0.4
446A	comp=Z,33nm,0.8s Poplarville	46.16 119	P	P	05 20 45.5 +1.3
KLR	comp=Z,41nm,18.0s Kul'dur	46.24 295	LR	LR	05 43 41.8
KLR	comp=Z,41nm,18.0s Kul'dur	46.24 295	iP	P	05 20 43.9 -0.7
251A	comp=Z,41nm,18.0s Midway	46.30 114	P	P	05 20 45.5 +0.2
153A	comp=Z,33nm,0.8s Fort Wayne	46.34 112	P	P	05 20 45.6 0.0
349A	comp=Z,33nm,0.8s Repton	46.37 116	P	P	05 20 47.0 +1.2
447A	comp=Z,33nm,0.8s Lucedale	46.39 118	eP	P	05 20 48.6 +2.6
447A	comp=Z,33nm,0.8s Lucedale	46.39 118	P	P	05 20 46.5 +0.5
Z55A	comp=Z,33nm,0.8s Blythe	46.41 110	P	P	05 20 46.7 +0.5
546A	comp=Z,33nm,0.8s Slidell	46.56 120	P	P	05 20 48.1 +0.8
BRAL	comp=Z,33nm,0.8s Brewton	46.58 116	P	P	05 20 48.4 +0.9
252A	comp=Z,33nm,0.8s Lumpkin	46.62 113	P	P	05 20 47.8 0.0
154A	comp=Z,33nm,0.8s Montrose	46.62 111	P	P	05 20 48.5 +0.7
154A	comp=Z,33nm,0.8s Montrose	46.62 111	P	P	05 20 47.9 +0.1
ASAJ	comp=Z,207nm,19.2s Asahikawa	46.76 282	LR	LR	05 41 03.7
253A	comp=Z,207nm,19.2s Americus	46.77 113	P	P	05 20 49.0 0.0
155A	comp=Z,33nm,0.8s Kite	46.84 111	P	P	05 20 50.2 +0.7
351A	comp=Z,33nm,0.8s Pinckard	46.98 115	P	P	05 20 50.8 +0.2
352A	comp=Z,33nm,0.8s Blakely	47.02 114	eP	P	05 20 51.8 +0.9
152A	comp=Z,33nm,0.8s Blakely	47.02 114	P	P	05 20 51.4 +0.4
356A	comp=Z,33nm,0.8s Sylvania	47.15 110	P	P	05 20 52.4 +0.4
254A	comp=Z,33nm,0.8s Abbeville	47.16 112	P	P	05 20 52.4 +0.3
NHSC	comp=Z,34nm,1.1s New Hope	47.21 108	eP	P	05 20 54.7 +2.3
NHSC	comp=Z,34nm,1.1s New Hope	47.21 108	P	P	05 20 52.7 +0.2
353A	comp=Z,33nm,0.8s Camilla	47.39 113	P	P	05 20 54.2 +0.4
AKN	comp=Z,33nm,0.8s Aaknes	47.45 22	eP	P	05 20 56.1 +2.2
255A	comp=Z,33nm,0.8s Hazlehurst	47.47 111	eP	P	05 20 55.5 +1.1
255A	comp=Z,33nm,0.8s Hazlehurst	47.47 111	P	P	05 20 54.8 +0.4
452A	comp=Z,33nm,0.8s Marianna	47.51 115	P	P	05 20 55.2 +0.5
TIGA	comp=Z,87nm,0.9s Tifton	47.52 113	eP	P	05 20 55.9 +1.0
TIGA	comp=Z,87nm,0.9s Tifton	47.52 113	P	P	05 20 55.8 +1.0
256A	comp=Z,33nm,0.8s Glennville	47.62 110	P	P	05 20 56.1 +0.5
453A	comp=Z,33nm,0.8s Whigham	47.80 114	P	P	05 20 57.6 +0.6
DOMB	comp=Z,33nm,0.8s Dombas	47.86 21	eP	P	05 20 57.9 +0.7
355A	comp=Z,33nm,0.8s Pearson	47.87 112	P	P	05 20 57.7 +0.1
356A	comp=Z,33nm,0.8s Blackshear	48.14 111	P	P	05 21 00.2 +0.6
454A	comp=Z,33nm,0.8s Quitman	48.17 113	P	P	05 21 00.8 +1.0
455A	comp=Z,33nm,0.8s Stateville	48.35 112	P	P	05 21 02.0 +0.8
LNIG	comp=Z,28nm,1.0s Linares	48.61 133	eP	P	05 21 03.9 +0.5
456A	comp=Z,153nm,0.8s Hilliard	48.72 111	eP	P	05 21 04.8 +0.8
456A	comp=Z,153nm,0.8s Hilliard	48.72 111	P	P	05 21 04.6 +0.5
ASK	comp=Z,33nm,0.8s Askoy	48.80 24	eP	P	05 21 04.5 +0.2
NC204	comp=Z,33nm,0.8s NORSAR Array S	48.83 20	eP	P	05 21 04.5 -0.1
BER	comp=Z,33nm,0.8s Bergen	48.91 24	eP	P	05 21 05.9 +0.7
555A	comp=Z,65nm,0.9s McAlpin	48.94 113	eP	P	05 21 07.7 +1.9
555A	comp=Z,65nm,0.9s McAlpin	48.94 113	P	P	05 21 06.2 +0.4
NC303	comp=Z,33nm,0.8s NORSAR Array S	48.96 20	eP	P	05 21 05.8 +0.3
NB000	comp=Z,33nm,0.8s NORSAR Array S	49.07 20	eP	P	05 21 06.6 +0.1
RRH	comp=Z,33nm,0.8s Rhenigdale	49.08 33	eP	P	05 21 06.3 -0.2
NC405	comp=Z,33nm,0.8s NORSAR Array S	49.11 20	eP	P	05 21 06.9 +0.1
NB2	comp=Z,6.3nm,0.6s NORSAR Subarra	49.12 20	P	P	05 21 06.2 -0.7
NB2	comp=Z,6.3nm,0.6s NORSAR Subarra	49.12 20	P	P	05 21 06.2 -0.7

NB200	comp=Z,54nm,19.1s NORSAR Array S	49.12 20	eP	P	05 21 06.5 -0.4
NOA	comp=Z,14nm,0.8s NORSAR Array S	49.12 20	eP	P	05 21 06.5 -0.4
NOA	comp=Z,54nm,19.1s NORSAR Array S	49.12 20	eP	P	05 21 06.5 -0.4
NB201	comp=Z,54nm,19.1s NORSAR Array S	49.12 20	eP	P	05 21 06.6 -0.3
556A	comp=Z,33nm,0.8s Lake Butler	49.24 112	P	P	05 21 08.8 +0.7
NA001	comp=Z,33nm,0.8s NORSAR Array S	49.26 20	eP	P	05 21 08.0 0.0
557A	comp=Z,33nm,0.8s Orange Park	49.47 111	P	P	05 21 11.2 +1.3
ODD1	comp=Z,33nm,0.8s Odda	49.56 23	eP	P	05 21 10.1 -0.1
KAC	comp=Z,33nm,0.8s Achnashellach	49.75 32	eP	P	05 21 11.5 -0.2
656A	comp=Z,33nm,0.8s Williston	49.78 113	eP	P	05 21 13.4 +1.3
656A	comp=Z,33nm,0.8s Williston	49.78 113	P	P	05 21 12.9 +0.7
657A	comp=Z,33nm,0.8s Interlachen	49.81 112	P	P	05 21 13.6 +1.1
ZAIG	comp=Z,29nm,1.0s Zacatecas	49.83 138	eP	P	05 21 14.8 +1.8
BL55	comp=Z,33nm,0.8s Blasio	50.00 24	eP	P	05 21 13.5 -0.1
FLA0	comp=Z,33nm,0.8s FINES Array S	50.21 11	eP	P	05 21 14.8 -0.4
FLA0	comp=Z,33nm,0.8s FINES Array S	50.21 11	eP	P	05 21 14.8 -0.4
FLA1	comp=Z,33nm,0.8s FINES Array S	50.21 11	eP	P	05 21 14.9 -0.2
FLA1	comp=Z,33nm,0.8s FINES Array S	50.21 11	eP	P	05 21 16.1 +0.0
FINES	comp=Z,33nm,0.8s FINES Array S	50.21 11	eP	P	05 21 14.8 -0.3
FINES	comp=Z,33nm,0.8s FINES Array S	50.21 11	eP	P	05 21 14.8 -0.3
FINES	comp=Z,33nm,0.8s FINES Array S	50.21 11	eP	P	05 21 14.8 -0.3
KONO	comp=Z,7.7nm,18.5s Kongsberg	50.25 22	eP	P	05 45 52.8
KONO	comp=Z,7.7nm,18.5s Kongsberg	50.25 22	eP	P	05 45 52.8
KONO	comp=Z,7.7nm,18.5s Kongsberg	50.25 22	eP	P	05 45 52.8
KONO	comp=Z,7.7nm,18.5s Kongsberg	50.25 22	eP	P	05 45 52.8
757A	comp=Z,33nm,1.3s Oxford	50.33 112	P	P	05 21 17.0 +0.6
USRK	comp=Z,33nm,0.8s Ussuriysk Ar.	50.50 291	P	P	05 21 17.5 0.0
USRK	comp=Z,33nm,0.8s Ussuriysk Ar.	50.50 291	P	P	05 21 17.5 0.0
PRGR	comp=Z,33nm,0.8s Permogore	50.63 359	eP	P	05 21 18.0 -0.3
PRGR	comp=Z,33nm,0.8s Permogore	50.63 359	eP	P	05 21 18.0 -0.3
857A	comp=Z,33nm,0.8s Zephyrhills	50.89 113	P	P	05 21 20.2 -0.4
INVG	comp=Z,33nm,0.8s Invergelde, C	51.00 32	eP	P	05 21 20.9 -0.2
INVG	comp=Z,33nm,0.8s Invergelde, C	51.00 32	eP	P	05 21 20.9 -0.2
SNART	comp=Z,33nm,0.8s Snartemo	51.16 24	eP	P	05 21 23.9 +1.7
858A	comp=Z,33nm,0.8s St. Cloud	51.24 112	P	P	05 21 23.6 +0.4
KLMR	comp=Z,29nm,0.8s Klimovskoe	51.39 3	eP	P	05 21 23.1 -0.9
KLMR	comp=Z,29nm,0.8s Klimovskoe	51.39 3	eP	P	05 21 23.1 -0.9
KLMR	comp=Z,29nm,0.8s Klimovskoe	51.39 3	eP	P	05 21 23.1 -0.9
KLMR	comp=Z,29nm,0.8s Klimovskoe	51.39 3	eP	P	05 21 23.1 -0.9
859A	comp=Z,33nm,0.8s Kemper Cattle	51.55 112	P	P	05 21 26.2 +0.6
EDI	comp=Z,33nm,0.8s Edinburgh	51.64 32	eP	P	05 21 25.6 -0.3
959A	comp=Z,33nm,0.8s Okeechobee	52.04 112	P	P	05 21 30.7 +1.4
ESK	comp=Z,33nm,0.8s Eskdalemuir	52.21 32	eP	P	05 21 30.4 +0.2
ESK	comp=Z,33nm,0.8s Eskdalemuir	52.21 32	eP	P	05 21 30.2 0.0
ESK	comp=Z,33nm,0.8s Eskdalemuir	52.21 32	eP	P	05 21 30.7
ESK	comp=Z,33nm,0.8s Eskdalemuir	52.21 32	eP	P	05 21 30.4 +0.2
ESK	comp=Z,33nm,0.8s Eskdalemuir	52.21 32	eP	P	05 21 30.4 +0.2
GAL1	comp=Z,48nm,0.8s Galloway	52.33 33	eP	P	05 21 30.8 -0.2
GAL1	comp=Z,48nm,0.8s Galloway	52.33 33	eP	P	05 21 30.8 -0.2
BHH	comp=Z,44nm,1.3s Howats Hill	52.41 32	eP	P	05 21 31.2 -0.5
059A	comp=Z,44nm,1.3s Moore Haven	52.46 112	P	P	05 21 32.0 -0.4
TLY	comp=Z,214nm,21.7s Talaya	52.56 317	LR	LR	05 45 34.9
GMM	comp=Z,214nm,21.7s Mts of Mourne	52.66 34	eP	P	05 21 33.3 -0.2
060A	comp=Z,153nm,0.8s Indian	52.67 111	eP	P	05 21 34.0 +0.1
060A	comp=Z,153nm,0.8s Indian	52.			

VNDA Vanda 149.94 202 PKPbc PKPbc 05 32 08.6 +0.6
VNDA Vanda 149.94 202 epPKPdf PKPbc 05 32 07.9 -0.1
QSPA South Pole 157.87 180 PKPab PKPab 05 32 48.5 +0.6

SOME 11 05:12:43.0, 43.37N, 82.15E, h15km
NMC 11 05:12:45.0, 1.4, 43.06N, 82.01E, h2km, 5km, mb2.7,
mpv2.3, Error ellipse: s-maj=13.1km s-min=5.1km
az=141.0

ISC 11 05:12:40.0, 2.4, 43.10N, 0.09, 82.19E, 0.08, h17km, 9km,
n11, c194/22, 7C-3D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like KTMES, PDGK, SHLS, DJR, UZB, SATY, MNBS, ARXS, MK31, etc.

ISCJB 11 05:22:47.9, 0.8, 7.05S, 0.1, 155.73E, 0.08, h100km,
mb3.5/6, Error ellipse: s-maj=18.1km s-min=11.2km
az=163.5

IDC 11 05:22:50.9, 4.7, 7.03S, 155.70E, h114km, 41km, mb3.4/6,
mb1 3.7/8, mb1mx3.5/3, mbtmp3.9/8, MS3.2/5, Ms1 3.2/5,
ms1mx2.9/26, Error ellipse: s-maj=27.9km s-min=26.8km
az=21.0

ISC 11 05:22:49.4, 1.0, 6.95S, 0.2, 155.7E, 0.1, h100km, n19,
c0571/11, mb3.5/6, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like HNR, PMG, DZM, WRA, ASAR, H11S3, H11S2, H11S1, H11N1, H11N2, FITZ, AFI, RAO, CMAR, SONM, ILAR, MKAR, TORD, etc.

IDC 11 05:36:28.0, 1.5, 37.69N, 144.00E, h0km, mb3.6/2,
mb1 3.9/3, mb1mx3.4/54, mbtmp3.5/3, ML3.4/1, Error
ellipse: s-maj=57.5km s-min=29.4km az=126.0

ISCJB 11 05:36:30.5, 0.9, 37.85N, 0.06, 143.83E, 0.07, h33km,
mb3.7/2, Error ellipse: s-maj=8.9km s-min=7.3km az=35.3

JMA 11 05:36:31.1, 0.2, 37.96N, 143.78E, h49km, M3.5

ISC 11 05:36:32.7, 1.0, 37.92N, 0.07, 143.79E, 0.08, h35km, n16,
c196/25, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like JIKH, JYK, JIO, JKMT, OFUJ, JMIK, JOM, JFT, JYK, JANG, JRY, MJAR, MAT, JCH, NEM2, ILAR, WRA, etc.

BUI 11 05:36:58.1, 14.28N, 55.97E, h10km, mb4.7/31, mb5.1/21,
Ms4.7/16, Ms7.4/414
GCMT 11 05:37:00.0, 0.3, 14.48N, 0.01, 56.06E, 0.03, h12km,
MW4.9/85, Moment Tensor Solution. s33, c39; s85, c127;
Duration: 0 Moment tensor: Scale 10^16Nm; Mr-2.87s, 0.9;
Ms0.25s, 0.8; Ms0.02s, 1.0; Ms0.52s, 2.7; Ms0.72s, 0.7;
Mr1.21s, 3.1; Best double couple: M0.21400, 1016
NP1.3s, 263.00000, 651.00000, -1.18.00000. NP2:
0.124.00000, 847.00000, -1.59.00000. Principal axes:
T 3.020, Ptg.00000; Azm13.00000; Azm13.00000; Azm13.00000;
Pz22.00000; Azm22.00000; Azm22.00000; Azm22.00000;
Az18.00000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

IDC 11 05:37:00.5, 0.5, 14.53N, 56.34E, h0km, mb4.3/28,
mb1 4.3/30, mb1mx4.2/58, mbtmp4.3/30, ML3.9/2, MS4.1/20,
Ms1 4.1/20, ms1mx3.9/45 Error ellipse: s-maj=12.4km
s-min=12.3km az=174.0

MOS 11 05:37:00.5, 1.1, 14.50N, 56.28E, h10km, mb4.9/29, Error
ellipse: s-maj=9.0km s-min=5.3km az=88.8

NEIC 11 05:37:02.0, 0.2, 14.50N, 56.27E, h10km, mb4.7/27, Error
ellipse: s-maj=5.7km s-min=5.5km az=130.0

ISCJB 11 05:37:02.1, 0.3, 14.57N, 0.04, 56.23E, 0.03, h19km,
mb4.5/87, MS4.1/28, Error ellipse: s-maj=5.3km
s-min=4.1km az=25.2

DSN 11 05:37:03.1, 0.8, 14.63N, 56.11E, h15km, mb5.0/3, Ms4.1/5,
Error ellipse: s-maj=14.6km s-min=8.0km az=56.0

OMAN 11 05:37:07.5, 1.2, 14.82N, 56.23E, h34km, 50km, Error
ellipse: s-maj=69.4km s-min=8.2km az=346.0

ISC 11 05:37:03.9, 0.4, 14.65N, 0.05, 56.31E, 0.04, h19km, n222,
c156/226, mb4.6/87, MS4.1/29, 19C-2D, Owen Fracture

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like RBK, ABTO, WFO, WSK, WSAR, ASUD, ASHO, HATD, UOSS, MSFE, SHME, ATD, RAYN, HAYB, KBL, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like GEYT, NIL, KMB0, EIL, PALK, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like H08N2, H08N3, H08N1, MMAI, GNI, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like BTk, TBGL, TBGL, SFK, ZEI, KSH, ARSB, NEY, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like KK31, KK31, KKAR, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like KIV, KIV, BR10T, BRTR, AAK, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like ABPO, ABPO, ABKAR, PDGK, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like VSR, VSR, WMQ, WMQ, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like VTS, VTS, VRI, PLOH, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like DOPR, ARR, LSZ, LSZ, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like CM31, CMAR, CMAR, LOTR, etc.

11d 6h

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CM01 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like KS01 Wouju Array Si, CMSA Cobar Meteorol, CD2 Chengdu, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CNB Canberra Magne, GUWA GUWAHATI, TOO Toolangi, etc.

KOPR	Koprukoy-ERZUR	85.32 310	eP	P	06 31 03.1 +1.2
ARTV	Arvin	85.33 311	iP	P	06 31 03.6 +1.6
DAGI	Agillar	85.33 311	iP	P	06 31 03.2 +1.3
IM3	Indian Mountai	85.43 24	eP	P	06 31 01.6 0.0
IDEM	Demirkent	85.45 311	iP	P	06 31 03.7 +1.2
OBAD	Bademkaya	85.50 311	iP	P	06 31 04.4 +1.7
HOM	Homer	85.53 30	eP	P	06 31 02.7 +0.4
	comp=Z,445nm,0.8s				
DBOC	Borcka	85.54 311	iP	P	06 31 04.1 +1.3
BCA	Borcka	85.58 311	eP	P	06 31 03.6 +0.6
PPLA	Purkeypile	85.66 27	eP	P	06 31 03.9 +0.8
	comp=Z,34nm,1.2s				
PPLA			LR	LR	
BTM	Batman	85.67 308	iP	P	06 31 05.8 +2.2
CNPM	China Poot	85.73 30	eP	P	06 31 04.0 +0.7
	comp=Z,332nm,1.0s				
CNPM			LR	LR	
SVAN	Silvan-Diyarba	85.74 308	eP	P	06 31 04.7 +0.8
SVAN	Silvan-Diyarba	85.74 308	iP	P	06 31 05.4 +1.6
CAST	Castle Rocks	85.78 27	eP	P	06 31 03.8 +0.3
	comp=Z,25nm,0.6s				
CAST			LR	LR	
BNGL	BINGOL	85.81 309	iP	P	06 31 06.7 +2.3
SKT	Skwentna	85.86 28	PFAKE	LR	06 31 20.0 +1.6
SKT			LR	LR	
	comp=Z,3um,21.0s				
KARO	Karilova-Bingo	85.91 309	eP	P	06 31 06.9 +2.0
BRLK	Bradley Lake	85.93 30	eP	P	06 31 04.5 +0.2
	comp=Z,169nm,0.8s				
BRLK			LR	LR	
	comp=Z,2um,22.0s				
MARD	Mardir	86.03 307	iP	P	06 31 06.6 +1.1
VRH	Novokhoporsk	86.11 321	eP	P	06 31 05.1 -0.2
VRH			eS	S	06 41 27.5 -9.1
VRH			pmax	pmax	
	comp=Z,440nm,1.2s				
VRH			pmax	pmax	
	comp=Z,300nm,0.8s				
VRH			smax	smax	
	comp=E,470nm,1.5s				
VRH			MLR	MLR	
SUA	Susitna One	86.17 29	eP	P	06 31 05.7 +0.1
	comp=Z,113nm,1.0s				
SUA			LR	LR	
	comp=Z,1um,18.0s				
BNGB	Bing Yi	86.18 309	eP	P	06 31 07.4 +1.3
CHOM	Cayell-Rize	86.21 311	eP	P	06 31 06.9 +0.8
YEDI	Yedisu-Bingol	86.30 309	eP	P	06 31 08.0 +1.2
MAZI	Mazidag	86.30 307	eP	P	06 31 07.1 +0.3
BPAW	Bear Faw Mtn.	86.34 26	eP	P	06 31 06.7 +0.5
	comp=Z,52nm,1.3s				
BPAW			LR	LR	
	comp=Z,2um,21.0s				
KOPT	Kop Dagli	86.36 310	iP	P	06 31 09.5 +2.2
HANI	Diyarbakir_Han	86.38 308	iP	P	06 31 07.9 +0.8
MLY	Manley	86.55 25	eP	P	06 31 07.7 +0.4
	comp=Z,84nm,1.1s				
MLY			LR	LR	
	comp=Z,2um,22.0s				
BAYB	BAYBURT	86.56 310	iP	P	06 31 10.0 +1.9
TRF	Thorofare Moun	86.58 27	eP	P	06 31 07.4 -0.2
	comp=Z,39nm,1.0s				
TRF			eS	S	06 41 46.4 +5.3
RC01	Rabbit Creek A	86.62 29	eP	P	06 31 07.5 -0.1
	comp=Z,83nm,0.9s				
SEW	Seward	86.68 30	PFAKE	LR	06 31 20.0 +1.2
SEW			LR	LR	
	comp=Z,3um,21.0s				
PMR	Palme	86.95 28	eP	P	06 31 09.0 -0.2
	comp=Z,70nm,0.9s				
PMR			LR	LR	
	comp=Z,2um,22.0s				
PMR	Palmer	86.95 28	eP	pmax	06 31 09.0 -0.2
	comp=Z,70nm,0.9s				
PMR			MLR	MLR	
	comp=Z,2um,22.0s				
COLD	Coldfoot	86.99 23	eP	P	06 31 10.5 +1.1
	comp=Z,32nm,0.9s				
COLD			eS	S	06 41 48.2 +3.7
COLD			LR	LR	
	comp=Z,1um,22.0s				
TNCL	Tunceli-Merkez	87.07 309	iP	P	06 31 14.2 +3.7
SOC	Sochi	87.08 313	eP	P	06 31 10.0 -0.3
SOC			e'SP	PP	06 31 23.1 -0.3
SOC			e'PPP	PPP	06 36 27.3
SOC			eS	SKS	06 41 32.9 -1.3
SOC			eSSS	SSS	06 51 06.9
SOC			pmax	pmax	
	comp=Z,195nm,1.2s				
SOC			MLR	MLR	
	comp=Z,695nm,18.0s				
PTK	Petek	87.18 309	eP	P	06 31 12.3 +1.2
RND	Reindeer	87.22 27	eP	P	06 31 09.9 -0.7
	comp=Z,54nm,1.1s				
RND			eS	S	06 41 46.2 -0.9
RND			LR	LR	
	comp=Z,2um,21.0s				
RND	Reindeer	87.22 27	eP	P	06 31 09.9 -0.7
	comp=Z,54nm,1.1s				
RND			eS	S	06 41 46.2 -0.9
RND			pmax	pmax	
	comp=Z,54nm,1.1s				
RND			MLR	MLR	
KNK	Knik Glacier	87.26 29	eP	P	06 31 11.1 +0.3
	comp=Z,92nm,0.8s				
KNK			LR	LR	
	comp=Z,2um,19.0s				
KELT	Kelkit	87.32 310	iP	P	06 31 13.0 +1.3
SML	Sawmill	87.35 28	eP	P	06 31 11.5 +0.3
	comp=Z,97nm,0.8s				
SML	Sawmill	87.35 28	eP	pmax	06 31 11.5 +0.3
	comp=Z,97nm,0.8s				
AAE	Adis Abeba	87.40 279	eP	P	06 31 15.6 +2.8
AAE			eS	S	06 41 44.9 -6.2
AAE			eS	S	06 31 15.6 +2.8
AAE			eS	S	06 41 44.9 -6.2
SANL	SANLIURFA_Merk	87.46 307	iP	P	06 31 13.7 +1.4
ELZG	Elazig	87.49 308	iP	P	06 31 14.3 +1.7
FURI	Furi	87.49 279	PFAKE	LR	06 31 20.0 +6.7
FURI			LR	LR	
	comp=Z,2um,22.0s				
FURI	Furi	87.49 279	eP	P	06 31 16.6 +3.3
FURI			eS	S	06 41 47.7 -4.4
FURI			eS	S	06 31 16.6 +3.3
FURI			eS	S	06 41 47.7 -4.4
URFA	Urfa	87.59 307	eP	P	06 31 13.9 +0.9
MDM	Murphy Dome	87.60 25	eP	P	06 31 11.6 -0.8
	comp=Z,28nm,0.9s				
MDM			LR	LR	
	comp=Z,1um,22.0s				
WRH	Wood River Hill	87.63 26	eP	P	06 31 11.8 -0.7
	comp=Z,59nm,1.0s				
WRH			LR	LR	
	comp=Z,1um,21.0s				
VORR	Voronezh	87.71 322	eP	pmax	06 31 13.0 -0.1
VORR			pmax	pmax	
	comp=Z,700nm,1.2s				
VSR	Storozhevoye	87.72 321	eP	P	06 31 12.4 -0.7
VSR			eS	S	06 41 37.2 -0.5
VSR			eSS	S	06 41 49.9 -2.2
VSR			pmax	pmax	
	comp=Z,120nm,1.3s				
VSR			pmax	pmax	
	comp=Z,90nm,0.9s				
VSR			smax	smax	
	comp=E,60nm,2.0s				
VSR			MLR	MLR	
	comp=Z,3um,21.0s				
SURC	SANLIURFA_SURC	87.75 307	iP	P	06 31 13.3 -0.5
TCOL	CIGO_UAF Yank	87.75 25	P	P	06 31 10.9 -2.1
	comp=Z,266				
COLA	College	87.76 25	eP	P	06 31 12.6 -0.4
	comp=Z,22nm,0.6s				
COLA			LR	LR	
	comp=Z,2um,21.0s				
COLA	College	87.76 25	eP	P	06 31 12.6 -0.4
COLA			pmax	pmax	
COLA			MLR	MLR	

CCB	Clear Creek Bu	87.76 25	PFAKE	LR	06 31 20.0 +6.9
CCB			LR	LR	
	comp=Z,2um,21.0s				
SCM	Sheep Creek Mo	87.83 28	eP	P	06 31 14.1 +0.5
	comp=Z,114nm,1.1s				
DHY	Denali Highway	87.87 27	eP	P	06 31 14.2 +0.4
	comp=Z,32nm,1.0s				
DHY			eS	S	06 41 59.4 +5.9
KEMI	Kemaliye	87.89 309	iP	P	06 31 16.0 +1.6
GLMA	Glacier Island	87.89 29	eP	P	06 31 14.1 +0.3
	comp=Z,63nm,0.7s				
GLI			LR	LR	
	comp=Z,3um,21.0s				
KLMR	Klimovskoe	87.90 331	eP	P	06 31 11.7 -2.1
KLMR			eS	S	06 41 37.2 -1.2
KLMR			pmax	pmax	
	comp=Z,197nm,0.9s				
KLMR	Klimovskoe	87.90 331	eP	P	06 31 11.8 -2.1
KLMR			AMP	AMP	06 31 22.8
	comp=Z,197nm,0.9s				
KLMR			eS	S	06 41 37.2 -1.2
KLMR			eS	S	06 41 37.2 -1.2
KLMR			eS	S	06 31 13.6 -0.4
LPSR			e'PP	P	06 31 18.8 +2.8
LPSR			eS	S	06 41 52.4 -1.5
LPSR			pmax	pmax	
	comp=Z,120nm,0.7s				
LPSR			smax	smax	
	comp=N,83nm,1.9s				
POKR	Poker Plat Res	87.95 25	P	P	06 31 12.9 -1.1
	baz=267				
GLM	Gilmore Dome	87.96 25	PFAKE	LR	06 31 30.0 +1.6
GLM			LR	LR	
	comp=Z,2um,20.0s				
SUSE	Susehri	88.13 310	iP	P	06 31 16.7 +1.1
ILAR	Eielson Array	88.16 25	P	P	06 31 13.9 -1.0
	comp=Z,7.5nm,0.5s,baz=253,slow=4.4,SNR=170				
ILAR			PP	PP	06 34 39.3 -3.0
	comp=Z,5.0nm,1.0s,baz=272,slow=6.8,SNR=4.8				
ILAR			PKKPbc	PKKPbc	06 48 59.5 -2.6
	comp=Z,2.3nm,0.8s,baz=64,slow=1.6,SNR=15				
ILAR			P'P'df	P'P'df	06 57 09.2 +2.0
	comp=Z,1.5nm,1.1s,baz=104,slow=1.1,SNR=6.0				
ILAR			LR	LR	07 08 33.9
	comp=Z,336nm,21.1s,baz=276,slow=34				
ILAR	Eielson Array	88.16 25	P	P	06 31 14.0 -1.0
ILAR			pmax	pmax	06 34 39.3
ILAR			pmax	pmax	
	comp=Z,7.0nm,0.4s				
ILB	Eielson Array	88.16 25	eP	P	06 31 13.4 -1.6
ILB			eP	P	06 34 39.3 -3.0
ILB			eP	P	06 31 13.4 -1.6
FID	Eielson Array	88.19 29	eP	P	06 31 15.6 +0.4
	comp=Z,80nm,1.2s				
FID			LR	LR	
	comp=Z,3um,21.0s				
AKCD	Akadag	88.32 308	iP	P	06 31 17.6 +1.1
KLU	Klutina	88.48 29	eP	P	06 31 17.0 +0.3
	comp=Z,56nm,1.1s				
KLU			LR	LR	
	comp=Z,114nm,1.6s				
EYAK	Eielson Array	88.54 30	eP	P	06 31 18.3 +1.5
EYAK			LR	LR	
	comp=Z,2um,20.0s				
DIV	Divide	88.55 29	eP	P	06 31 18.0 +1.0
	comp=Z,75nm,0.8s				
DIV			LR	LR	
	comp=Z,3um,21.0s				
DARE	Darende-Malaty	88.67 308	eP	P	06 31 19.2 +1.1
PAX	Paxson	88.73 27	eP	P	06 31 18.1 +0.3
	comp=Z,66nm,1.2s				
PAX			LR	LR	
	comp=Z,2um,21.0s				
PAX	Paxson	88.73 27	eP	pmax	06 31 18.1 +0.3
	comp=Z,67nm,1.2s				
PAX			MLR	MLR	
	comp=Z,2um,21.0s				
ANN	Anapa	88.75 315	eP	P	06 31 17.6 -0.6
ANN			eS	S	06 41 44.7 +0.5
ANN			pmax	pmax	
	comp=Z,361nm,1.3s				
MOS	Moscow	88.75 326	eP	P	06 31 16.4 -1.5
MOS			e	e	06 31 33.7
MOS			e	e	06 34 48.8
MOS			e	e	06 41 43.3
MOS			e	e	06 41 55.0
	comp=Z,300nm,1.6s				
MOS			pmax		

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MBAR, WRAK, GREER, VRI, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NB2, NB20, NOA, NC204, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like GEC2, GERES, GEA0, etc.

Table with columns: YERR, YERR, comp-Z, 2jum, 22.0s, 108.51, 48, ePdif, LR, Pdif, 06 32 49.5 +1.6, etc.

Table with columns: YMR, Madison River, 112.32, 40, PFAKE, LR, 06 37 10.0, etc.

Table with columns: PV16, comp-Z, 2jum, 19.0s, LR, LR, 06 37 20.0 +11, etc.

11d 6h

Table with columns for location, time, and status. Includes entries like EYMN Ely, ECSD EROS Data Cent, and various other locations with their respective times and status codes.

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Table with columns for location, time, and status. Includes entries like U32A, F41A Three Lakes, KSU1 Kansas State U, and various other locations with their respective times and status codes.

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Table with columns for location, time, and status. Includes entries like L43A Garden Prairie, H46A Fire Lake, GLMI Grayling, and various other locations with their respective times and status codes.

ALGO	Algonquin Park	128.97	22	P	PKPdf	06 37 32.8 +0.6	CCAR	Cane Creek	130.53	42	PFAKE	LR	06 37 50.0 +14	V48A	Smith Brothers	132.55	37	ePKPdf	LR	PKPdf	06 37 39.1 -0.2
J49A	Marlette	128.97	27	P	PKPdf	06 37 33.2 +0.9	CCAR	comp=Z,2j,m,19.0s						V48A	comp=Z,2j,m,22.0s						
P44A	Sand Creek, Wi	128.98	35	P	PKPdf	06 37 32.9 +0.4	USIN	University of	130.55	35	PFAKE	LR	06 37 50.0 +14	V48A	Smith Brothers	132.55	37	P	PKPdf	06 37 39.0 -0.4	
U41A	Viola	128.99	40	P	PKPdf	06 37 33.0 +0.4	USIN	comp=Z,2j,m,21.0s						R51A	Hillsboro	132.58	32	P	PKPdf	06 37 40.0 +0.6	
R43A	Red Bud	129.01	37	P	PKPdf	06 37 33.2 +0.6	WLVO	Wesleyville	130.55	23	P	PKPdf	06 37 36.0 +0.7	S50A	Richmond	132.60	33	P	PKPdf	06 37 40.0 +0.6	
N46A	Monticello	129.03	32	P	PKPdf	06 37 32.5 0.0	K7C	Kosan Boka	130.58	279	ePKIKP	PKPdf	06 37 37.6 +1.4	U49A	Bedford Sp	132.64	35	P	PKPdf	06 37 39.5 0.0	
BRCO	Bruce Peninsul	129.03	25	P	PKPdf	06 37 33.7 +1.3	Q47A	Bedford North L	130.58	34	P	PKPdf	06 37 36.2 +0.6	344A	Westbrook Farm	132.68	44	PFAKE	LR	06 37 50.0 +10	
L47A	Sherwood	129.03	30	P	PKPdf	06 37 32.7 +0.1	T45A	Paducah	130.60	37	PFAKE	LR	06 37 50.0 +14	344A	comp=Z,3j,m,21.0s						
LNIG	Linares	129.07	57	ePKPdf	LR	06 37 32.8 -0.3	TYNO	Tyneside	130.63	25	P	PKPdf	06 37 35.7 +0.2	344A	Westbrook Farm	132.68	44	P	PKPdf	06 37 41.7 +2.0	
T42A	Van Buren	129.09	39	ePKPdf	PKPdf	06 37 32.5 -0.3	DBIC	Dimbokro	130.66	279	PkHkp	PKPpre	06 37 26.2	X47A	Russelville	132.72	39	P	PKPdf	06 37 39.3 -0.4	
T42A	Van Buren	129.09	39	P	PKPdf	06 37 32.5 +0.5	DBIC	comp=Z,2.7nm,0.7s,baz=313,slow=1.5,SNR=4.2					Q52A	Bidwell	132.77	30	P	PKPdf	06 37 39.8 +0.1		
Q44A	Meyer Farm, Va	129.14	35	ePKPdf	LR	06 37 33.0 +0.2	DBIC	comp=Z,1.8nm,0.6s,baz=77,slow=2.2,SNR=6.3					P53A	Whipple	132.81	29	ePKPdf	PKPdf	06 37 39.8 0.0		
Q44A	comp=Z,2j,m,22.0s						DBIC	comp=Z,62nm,1.2s,baz=63,slow=4.8,SNR=12				P53A	Whipple	132.81	29	P	PKPdf	06 37 40.1 +0.4			
Q44A	Meyer Farm, Va	129.14	35	P	PKPdf	06 37 33.2 +0.4	DBIC	GLAT	130.66	279	ePKPdf	PKPdf	06 37 36.6 +0.3	T50A	Nancy	132.82	34	P	PKPdf	06 37 40.0 +0.1	
V41A	Mountainview	129.18	41	P	PKPdf	06 37 33.2 +0.2	GLAT	GLAT	130.70	38	PFAKE	LR	06 37 50.0 +14	W48A	Pulaski	132.88	38	P	PKPdf	06 37 39.5 -0.5	
SFIN	Lafayette	129.20	33	ePKPdf	LR	06 37 32.6 -0.3	P48A	Milroy	130.76	32	P	PKPdf	06 37 36.5 +0.6	BINY	Binghamton	132.95	23	ePKPdf	PKPdf	06 37 40.1 +0.2	
SFIN	comp=Z,2j,m,19.0s						X43A	Marvell	130.77	41	PFAKE	LR	06 37 50.0 +14	BINY	Binghamton	132.95	23	P	PKPdf	06 37 40.4 +0.4	
KVTX	Kingsville	129.27	53	PFAKE	LR	06 37 50.0 +17	Q49A	Covington	130.80	31	ePKPdf	PKPdf	06 37 36.0 0.0	R52A	Catlettsburg	133.05	31	P	PKPdf	06 37 40.5 +0.3	
M47A	Cromwell	129.28	31	P	PKPdf	06 37 32.8 -0.2	Q49A	Covington	130.80	31	P	PKPdf	06 37 36.3 +0.4	S51A	Beattyville	133.06	33	ePKPdf	PKPdf	06 37 40.3 0.0	
H52A	Wyevale	129.36	24	P	PKPdf	06 37 33.8 +0.8	TIC	Toumoudi	130.82	279	ePKIKP	PKPdf	06 37 38.0 +1.3	S51A	Beattyville	133.06	33	P	PKPdf	06 37 40.6 +0.3	
MOIG	Morelia	129.38	64	PFAKE	LR	06 37 50.0 +16	LIC	Lamto	130.86	279	ePKIKP	PKPdf	06 37 38.1 +1.3	V49A	McMinnville	133.08	36	P	PKPdf	06 37 41.1 +0.7	
S43A	Fulton Ridge,	129.38	37	P	PKPdf	06 37 33.4 +0.1	N50A	Nevada	130.96	30	P	PKPdf	06 37 36.3 +0.1	146A	Union	133.12	42	ePKPpre	LR	06 37 33.5	
WHAR	Woolly Hollow	129.38	41	PFAKE	LR	06 37 50.0 +17	Q48A	North Vernon	130.97	33	P	PKPdf	06 37 36.7 +0.4	146A	comp=Z,2j,m,20.0s						
WHAR	comp=Z,2j,m,19.0s						R47A	Wooly Knot Far	130.97	34	P	PKPdf	06 37 37.1 +0.8	U50A	Jamestown	133.25	35	P	PKPdf	06 37 40.9 +0.2	
U42A	Reverend	129.42	39	P	PKPdf	06 37 33.8 +0.4	M51A	Elyria	131.00	28	P	PKPdf	06 37 37.0 +0.7	X48A	Hartselle	133.27	39	ePKPdf	LR	06 37 39.2 -1.5	
P45A	Graceland, Par	129.44	34	ePKPdf	PKPdf	06 37 33.9 +0.5	MET	Memphis-Engin	131.01	40	PFAKE	LR	06 37 50.0 +14	W49A	Belvidere	133.31	37	P	PKPdf	06 37 41.0 +0.2	
P45A	Graceland, Par	129.44	34	P	PKPdf	06 37 33.9 +0.5	MET	comp=Z,3j,m,21.0s					T51A	Gray	133.36	34	P	PKPdf	06 37 41.3 +0.4		
L48A	N Adams	129.44	30	P	PKPdf	06 37 33.4 +0.1	T46A	Princeton	131.04	37	P	PKPdf	06 37 37.0 +0.6	MCWV	Mont Chateau	133.41	28	P	PKPdf	06 37 41.4 +0.6	
LATO	La Tuque	129.44	17	P	PKPdf	06 37 33.4 +0.3	P49A	Miami Univ. Ec	131.08	32	P	PKPdf	06 37 37.0 +0.6	SWET	Sevane	133.44	37	PFAKE	LR	06 37 50.0 +8.9	
G53A	Haliburton	129.46	23	P	PKPdf	06 37 33.8 +0.6	WCI	Wyandotte Cave	131.15	34	ePKPdf	LR	06 37 36.9 +0.2	SWET	comp=Z,2j,m,22.0s						
W41B	Gary Mavity, V	129.48	41	ePKPdf	LR	06 37 34.4 +0.9	WCI	comp=Z,2j,m,20.0s					SSPA	Standing Stone	133.50	25	ePKPpre	PKPpre	06 37 35.1		
X40A	Basin Creek Fa	129.49	42	PFAKE	LR	06 37 50.0 +16	WCI	Wyandotte Cave	131.15	34	P	PKPdf	06 37 37.3 +0.7	SSPA	Standing Stone	133.50	25	P	PKPdf	06 37 41.2 +0.2	
R44A	Waltonville	129.53	36	P	PKPdf	06 37 33.9 +0.3	MEDO	Medina	131.16	24	P	PKPdf	06 37 37.2 +0.7	O56A	Blue Knob Stat	133.50	26	ePKPdf	PKPdf	06 37 40.7 -0.4	
AAM	Ann Arbor	129.55	29	ePKPdf	PKPdf	06 37 34.1 +0.7	O50A	Medina	131.16	24	P	PKPdf	06 37 37.2 +0.7	346A	Big Creek Wild	133.59	44	PFAKE	LR	06 37 50.0 +8.6	
AAM	Ann Arbor	129.55	29	ePKIKP	PKPdf	06 37 34.0 +0.6	N51A	Ashland	131.22	29	ePKPdf	LR	06 37 37.0 +0.3	147A	Livingston	133.62	41	PFAKE	LR	06 37 50.0 +8.6	
AAM	Ann Arbor	129.55	29	P	PKPdf	06 37 34.0 +0.6	N51A	comp=Z,2j,m,19.0s					147A	comp=Z,2j,m,22.0s							
SADO	Sadowa	129.55	23	PKP	PKPdf	06 37 32.8 -0.6	N51A	Ashland	131.22	29	P	PKPdf	06 37 37.3 +0.6	X49A	Woodville	133.67	38	P	PKPdf	06 37 41.4 -0.1	
SADO	comp=Z,15nm,0.6s,baz=325,slow=1.8,SNR=15						R48A	Northridge Ran	131.27	34	P	PKPdf	06 37 37.6 +0.7	W50A	Signal Mountai	133.82	36	ePKPdf	PKPdf	06 37 41.7 -0.2	
I51A	Listowel	129.57	25	P	PKPdf	06 37 33.7 +0.2	UNM	Universidad Na	131.29	63	PFAKE	LR	06 37 50.0 +12	W50A	Signal Mountai	133.82	36	P	PKPdf	06 37 41.7 -0.2	
N47A	Urbana	129.59	31	P	PKPdf	06 37 34.0 +0.4	U6A	Springville	131.32	37	P	PKPdf	06 37 37.5 +0.7	TZTN	Tazewell	133.88	34	ePKPdf	PKPdf	06 37 42.5 +0.6	
Q45A	Warren Harvey,	129.64	35	P	PKPdf	06 37 34.8 +1.1	U6A	comp=Z,2j,m,20.0s					TZTN	Tazewell	133.88	34	P	PKPdf	06 37 42.7 +0.8		
L49A	Milan	129.64	29	P	PKPdf	06 37 34.3 +0.7	Q49A	Aurora	131.37	32	P	PKPdf	06 37 37.5 +0.5	V51A	Loudon	133.96	35	P	PKPdf	06 37 43.1 +1.1	
M48A	Edgerton	129.64	30	ePKPdf	LR	06 37 33.7 0.0	ACSO	Alum Creek Sta	131.45	30	ePKPdf	PKPdf	06 37 37.0 -0.1	Y49A	Blount Mountai	134.06	39	PFAKE	LR	06 37 50.0 +7.7	
M48A	Edgerton	129.64	30	P	PKPdf	06 37 34.1 +0.4	ACSO	Alum Creek Sta	131.45	30	P	PKPdf	06 37 37.0 -0.1	Y49A	comp=Z,3j,m,21.0s						
UALR	University of	129.65	42	PFAKE	LR	06 37 50.0 +16	MOQ	Mont Orford	131.48	17	ePKPdf	PKPdf	06 37 37.4 +0.2	CPCT	Cooper Cave	134.11	36	ePKPdf	PKPdf	06 37 43.4 +1.0	
UALR	comp=Z,3j,m,21.0s						P50A	Jamestown	131.50	31	P	PKPdf	06 37 37.5 +0.3	N59A	State Game Lan	134.13	23	PFAKE	LR	06 37 50.0 +7.8	
V42A	Cord	129.66	40	P	PKPdf	06 37 34.2 +0.3	T47A	Sharon Grove	131.54	36	ePKPdf	LR	06 37 37.8 +0.4	LRLAL	Lakeview Retre	134.22	40	ePKPdf	LR	06 37 43.1 +0.5	
K50A	Casco	129.67	27	P	PKPdf	06 37 34.0 +0.3	WWT	Waverly	131.68	37	ePKPdf	LR	06 37 37.4 -0.3	LRLAL	comp=Z,2j,m,22.0s						
P46A	Rosedale	129.67	34	P	PKPdf	06 37 34.7 +0.9	WWT	comp=Z,2j,m,20.0s					PAGS	Pennsylvania G	134.33	25	ePKPdf	LR	06 37 42.2 -0.4		
I52A	Shelburne	129.71	25	P	PKPdf	06 37 34.3 +0.5	WWT	Waverly	131.68	37	P	PKPdf	06 37 37.4 -0.3	PAGS	comp=Z,2j,m,21.0s						
NATX	Nacogdoches	129.71	46	PFAKE	LR	06 37 50.0 +16	S48A	Wiedeman Farm,	131.69	35	P	PKPdf	06 37 38.2 +0.5	V52A	Sevierville	134.37	34	ePKPpre	PKPpre	06 37 34.6	
NATX	comp=Z,2j,m,22.0s						O51A	Pataskala	131.70	30	P	PKPdf	06 37 37.6 -0.1	V52A	Sevierville	134.37	34	ePKPdf	LR	06 37 40.3 +0.2	
OLIL	Olney	129.78	35	ePKPdf	LR	06 37 34.7 +0.7	V46A	Holiday	131.72	38	P	PKPdf	06 37 37.6 -0.2	V52A	comp=Z,2j,m,21.0s						
OLIL	comp=Z,2j,m,22.0s						OXF	Oxford	131.73	40	ePKPdf	LR	06 37 37.2 -0.6	V52A	Sevierville	134.37	34	P	PKPdf	06 37 43.5 +0.7	
S47A	Carbondale	129.79	37	P	PKPdf	06 37 34.9 +0.8	R49A	Shelbyville	131.73	33	P	PKPdf	06 37 38.3 +0.5	TKL	Tuckaleechee C	134.40	35	PkHkp	PKPpre	06 37 34.0	
O44A	Sheridan	129.80	32	P	PKPdf	06 37 34.3 +0.3	MMNV	Mr. Morris Dam	131.75	24	ePKPdf	PKPdf	06 37 37.5 -0.1	TKL	comp=Z,7.4nm,0.8s,baz=140,slow=4.3,SNR=6.9						
SIUC	Southern Illin	129.80	37	ePKPdf	PKPdf	06 37 34.4 +0.3	U47A	Clarksville	131.80	37	P	PKPdf	06 37 38.1 +0.2	TKL	comp=Z,8.5nm,0.7s,baz=175,slow=4.8,SNR=4.4						
ELFO	Elginfield	129.93	26	P	PKPdf	06 37 34.6 +0.5	T48A	Bowling Green	131.87	35	P	PKPdf	06 37 38.5 +0.5	TKL	Tuckaleechee C	134.40	35	ePKPpre	PKPpre	06 37 35.5	
U43A	Rector	129.94	39	P	PKPdf	06 37 35.3 +0.9	Q50A	Georgetown	131.97	32	P	PKPdf	06 37 38.6 +0.4	TKL	comp=Z,2j,m,21.0s						
N48A	Decatur	129.95	31	P	PKPdf	06 37 34.7 +0.4	P51A	Williamsport	131.98	31	ePKPdf	LR	06 37 38.0 -0.2	Z49A	Columbiana	134.41	39	P	PKPdf	06 37 43.3 +0.3	
R45A	Kylar, Fairfi	129.97	36	P	PKPdf	06 37 35.4 +1.0	P51A	Williamsport	131.98	31	P	PKPdf	06 37 38.2 +0.1	ODNJ	Ogdensburg	134.44	22	ePKPdf	PKPdf	06 37 42.6 -0.2	
T44A	Benton	129.99	38	P	PKPdf	06 37 35.2 +0.7	W46A	Michie	131.99	39	P	PKPdf	06 37 37.9 -0.4	447A	Lucedale	134.50	44	PFAKE	LR	06 38 00.0 +17	
Y41A	Eaglette Beard	129.99	43	P	PKPdf	06 37 35.1 +0.5	M54A	Oil Creek Stat	132.01	26	ePKPdf	PKPdf	06 37 38.1 -0.1	X51A	Calhoun	134.53	37	PFAKE	LR	06 38 00.0 +17	
M49A	Liberty Center	130.0																			

11d 6h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like R58B, R58B Mineral, CBN, etc.

2012 DEC

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like GRTK, Grand Turk, BCIP, Isla Barro Colorado, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ISC 11 06:22:18.01, UCR 11 06:38:30.7, etc.

NIED 11 06:22:00.1, 37.90N:143.60E, h5km, Mw3.9 Best double couple: M7.61000-1014 NPI1:3.355.00000, 323.00000, 1-127.00000, NP2:214.00000, 872.00000, 1-75.00000
IDC 11 06:22:13.71.5, 37.71N:143.87E, h0km, mb3.8/2, mb1.4/0.5, mb1mx3.8/59, mbmtpr3.9/5, ML3.2/3, MS3.5/1, Ms1.3.5/1, ms1mx2.9/52, Error ellipse: s-maj=39.4km s-min=25.8km az=122.0
ISCJBJ 11 06:22:16.2.0.8, 37.87N:143.65E:0.06, h33km, mb3.9/2, Error ellipse: s-maj=7.0km s-min=5.3km az=175.8
JMA 11 06:22:16.8.0.1, 37.93N:143.64E, h44km, M3.9

11d 8h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, etc.

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

ISCJB 11 07:43:23.7-0.5, 30.28N-0.05-139.6E-0.2, h441km, mb3.3/4, Error ellipse: s-maj=18.0km s-min=6.1km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JHJ2 Mitsune, JHJ2 Mitsune, JHJ Hachioji jima 2, etc.

ISC 11 08:01:55.9-1.1, 13.82N-92.36W, h0km, mb3.9/7, mb1.4/1.1, mb1mx3.8/4.0, mbtmp3.9/11, ML3.6/4, Error ellipse: s-maj=40.5km s-min=14.7km az=40.0

2012 DEC

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like THIG, THIG, THIG, THIG, IXPACO, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JWK2 Keihoku, JMP Maruseppu, ASAJ Asahikawa, etc.

BJI 11 08:19:59.4, 36.32N-82.43E, h6km, ML3.8/7, ISCJB 11 08:20:03.0-1.4, 36.59N-82.65E-0.1, h10km, Error ellipse: s-maj=15.6km s-min=12.2km az=172.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ILIC ilic-Erzincan, REFIA Refahiye_ERZ, KEMA Kema, etc.

NIED 11 10:11:00.37:90N:144.10E, h5km, Mw3.6 Best double couple: M2.90000:1014 N193:341,00000: 830.00000, lambda=111.00000... NP2:phi=185.00000, delta2.00000, lambda=79.00000.

IDC 11 10:11:05.6:1.2, 37.78N:144.36E, h0km, mb3.6/4, mb1 3.8/7, mb1mx3.6/43, mbtrp3.7/7, ML3.6, MS2.8/1, Ms1 2.8/1, ms1mx2.1/38, Error ellipse: s-maj=30.6km s-min=21.9km az=106.0

ISCJB 11 10:11:08.3:0.7, 37.92N:0.04:144.26E:0.05, h33km, mb3.7/4, Error ellipse: s-maj=6.3km s-min=5.3km az=145.9

JMA 11 10:11:10.1:0.1, 37.89N:144.11E, h50km, M3.8

ISC 11 10:11:10.3:1.1, 37.92N:0.06:144.24E:0.08, h35km, n23, s187/39, mb3.6/4, Off east coast of Honshu

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC, Op, h, m, s, ISC. Lists seismic stations and their characteristics.

IDC 11 10:28:20.1:5.2, 13.56N:91.60W, h34km, 35km, mb4.2/11, mb1 4.4/12, mb1mx4.0/37, mbtrp4.4/12, ML4.2, M3.6/4, Ms1 3.6/4, ms1mx3.1/29, Error ellipse: s-maj=35.0km s-min=22.8km az=31.0

UCR 11 10:28:20.8:1.1, 13.74N:91.74W, h17km, 15km, MD4.2, ML3.7, mb4.4(NEIC)

NEIC 11 10:28:22.7:0.4, 13.80N:91.67W, h35km, mb4.4/13, MD4.0(MEX), Error ellipse: s-maj=7.1km s-min=4.3km az=203.0

MEX 11 10:28:23.5:0.7, 13.76N:92.20W, h34km, 70km, MD4.0

ISC 11 10:28:21.7:0.7, 13.76N:0.07:91.80W:0.06, h37km, 11km, n409, s145/415, mb4.3/129, 1C, Near coast of Guatemala

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC, Op, h, m, s, ISC. Lists seismic stations and their characteristics.

Table with columns: Station Name, Time, Res, ISC, Op, h, m, s, ISC. Lists seismic stations and their characteristics.

Table with columns: Station Name, Time, Res, ISC, Op, h, m, s, ISC. Lists seismic stations and their characteristics.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ANMO Albuquerque, Q42A Golden Eagle, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like I51A Listowel, MPU Maple Canyon, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like INK Inuvik, RES Resolute Bay, etc.

MEX 11 10:28:32.5-1.0, 16:02N-98.44W, h2km, MD3.6, Near coast of Guerrero. Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters.

NIED 11 10:32:00.24:00N-121:60E, h20km, Mw4.5. Best double couple. Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters.

JMA 11 10:32:03.04, 2:00N-121:63E, h22km, 1km, Mw4.0. Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters.

ASIES 11 10:32:05.9, 2:08N-121:62E, h25km, Mw4.0. Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters.

TWD Chiawan. Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters.

HWA Hwalien. Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters.

ENL Shoufeng. Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters.

NNSB Datong. Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters.

TWC Suao. Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters.

TWE Neicheng. Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters.

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YHNB	Yeheng	0.68 337	↓P	Pb	10 32 17.0	-1.0
YHNB	Yeheng		eS	Sb	10 32 25.9	-1.4
YHNB	Yeheng	0.68 337	ePg	Pb	10 32 17.1	-1.0
YHNB	Yeheng		eSg	Sb	10 32 26.3	-1.0
SSLB	Suangleung	0.70 249	eP	Pb	10 32 17.3	-1.0
SSLB	Suangleung		eP	Pb	10 32 17.3	-1.0
SSLB	Suangleung	0.70 249	ePg	Pb	10 32 17.3	-1.0
SSLB	Suangleung		eP	Pb	10 32 18.2	-0.5
SMLT	Sun Moon Lake	0.72 258	P	Pb	10 32 27.7	+0.1
SMLT	Sun Moon Lake		eS	Sb	10 32 27.6	-0.7
ILA	Ilan	0.73 6	eP	Pb	10 32 18.7	-0.1
YULB	Yu-li	0.73 208	eP	Pb	10 32 16.8	-2.1
YULB	Yu-li		eS	Sb	10 32 28.5	0.0
YULB	Yu-li	0.73 208	ePg	Pb	10 32 17.3	-1.5
YULB	Yu-li		eS	Sb	10 32 26.8	-1.6
NWLT	Wulai	0.75 349	eP	Pb	10 32 18.7	-0.5
NWLT	Wulai		eS	Sb	10 32 28.4	-0.7
TYC	Yuchr	0.75 260	eP	Pb	10 32 18.5	-0.7
TYC	Yuchr		S	Sb	10 32 28.3	-0.8
TWF1	Yuli	0.76 206	eP	Pb	10 32 17.3	-2.1
TWF1	Yuli		eS	Sb	10 32 29.0	-0.5
NTC	Toucheng	0.82 11	eP	Pb	10 32 20.7	+0.2
NSST	Nanjuang	0.84 314	eP	Pn	10 32 20.5	-0.2
NSST	Nanjuang		eS	Sb	10 32 30.7	-1.1
LIOB	Emei	0.84 316	↓P	Pb	10 32 20.9	0.0
LIOB	Emei		S	Sb	10 32 31.6	-0.3
YUS	Yu-Shan	0.85 230	eP	Pn	10 32 20.5	-0.7
YUS	Yu-Shan		eS	Sb	10 32 31.8	-0.7
TWQ1	Liyutan	0.87 291	eP	Pb	10 32 21.6	+0.4
TWQ1	Liyutan		eS	Sb	10 32 33.0	+0.2
WJS	Zhushan	0.88 256	eP	Pb	10 32 21.9	+0.4
WJS	Zhushan		eS	Sb	10 32 34.1	+1.0
WLTB	Daxi	0.89 335	↓eP	Pb	10 32 22.1	+0.4
WLTB	Daxi		eS	Sb	10 32 33.6	+0.3
FULB	Fuli	0.90 202	eP	Pn	10 32 20.7	-0.8
NSY	Sanyi	0.91 295	eP	Pb	10 32 22.4	+0.6
NSY	Sanyi		S	Sb	10 32 34.8	+1.3
TCU	Taichung	0.91 277	eP	Pb	10 32 22.6	+0.8
WNT	Mingjian	0.91 260	eP	Pb	10 32 22.2	+0.2
WNT	Mingjian		S	Sb	10 32 35.2	+1.6
NMLH	Miao	0.94 302	eP	Pb	10 32 23.1	+0.7
NMLH	Miao		eS	Sb	10 32 35.8	+1.4
TWA	Mucha	0.94 356	↓P	Pn	10 32 21.9	-0.1
TWA	Mucha		eS	Sb	10 32 33.8	-0.7
TATO	Taipei	0.94 350	↓P	Pb	10 32 22.3	-0.2
TATO	Taipei		eS	Sb	10 32 33.7	-0.9
TATO	Taipei	0.94 350	ePn	Pn	10 32 21.8	-0.3
TATO	Taipei		eSg	Sb	10 32 35.2	+0.6
PTSB	Yuanli	0.96 295	↓P	Pb	10 32 23.5	+0.7
PTSB	Yuanli		eS	Sb	10 32 36.2	+1.0
SBCB	Hsinchu	0.97 321	P	Pb	10 32 23.6	+0.7
SBCB	Hsinchu		eS	Sb	10 32 36.3	+0.9
CHKT	Chengkung	0.98 196	eP	Pn	10 32 22.1	-0.4
HSN	Hsinchu	0.99 320	eP	Pb	10 32 23.7	+0.4
HSN	Hsinchu		eS	Sb	10 32 37.5	+1.7
TAP1	Taipei	1.00 353	eP	Pn	10 32 22.8	-0.1
TAP1	Taipei		eS	Sb	10 32 35.8	-0.2
CHN5	Tsaling	1.00 244	eP	Pb	10 32 23.5	0.0
CHN5	Tsaling		eS	Sb	10 32 37.5	+1.0
TWB1	Santiao Chiao	1.01 17	eP	Pb	10 32 23.7	+0.1
TWB1	Santiao Chiao		eS	Sb	10 32 37.8	+1.3
WCHH	Zhanghua	1.01 272	eP	Pb	10 32 23.9	+0.3
WCHH	Zhanghua		eS	Sb	10 32 38.7	+2.2
NCUH	Zhongli	1.02 335	eP	Pb	10 32 24.1	+0.3
NCUH	Zhongli		eS	Sb	10 32 38.2	+1.3
NCU	National Centr	1.02 335	P	Pb	10 32 24.1	+0.2
NCU	National Centr		S	Sb	10 32 38.0	+1.1
NWF	Wu-fen Shan	1.03 6	eP	Pb	10 32 23.7	-0.3
NWF	Wu-fen Shan		eS	Sb	10 32 38.6	+1.4
WFSB	Wu-fen Shan	1.03 6	eP	Pb	10 32 23.6	-0.3
WFSB	Wu-fen Shan		eS	Sb	10 32 37.6	+0.5
ELDTW	Lidau	1.03 215	eP	Pn	10 32 22.1	-1.3
WGK	Gukeng	1.07 251	eP	Pb	10 32 24.6	0.0
TWS1	Kuangyinshan	1.08 348	eP	Pb	10 32 24.4	-0.4
TWS1	Kuangyinshan		eS	Sb	10 32 38.8	+0.3
WDLH	Doulu	1.09 251	eP	Pb	10 32 25.3	+0.4
YMO1	YMO1	1.10 356	eP	Pb	10 32 25.2	-0.1
YMO10	YMO10	1.11 355	eP	Pn	10 32 24.3	-0.2
YMO10	YMO10		eS	Sb	10 32 39.2	-0.4
YMO4	YMO4	1.11 354	eP	Pn	10 32 24.4	0.0
YMO5	YMO5	1.12 355	eP	Pn	10 32 24.2	-0.4
YMO11	YMO11	1.12 356	eP	Pn	10 32 24.2	-0.4
YMO7	YMO7	1.13 358	eP	Pn	10 32 24.6	-0.1
YMO3	YMO3	1.14 354	eP	Pn	10 32 24.6	-0.2
YMO8	YMO8	1.15 357	eP	Pn	10 32 24.6	-0.2
CHN4	Tsaushan	1.20 235	eP	Pb	10 32 26.9	+0.2
CHN4	Tsaushan		eS	Sb	10 32 43.2	+1.3
TPUB	Ta-pu	1.20 232	↑P	Pb	10 32 26.8	0.0
TPUB	Ta-pu		eS	Sb	10 32 42.2	+0.2

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TPUB	Ta-pu	1.20 232	ePn	Pb	10 32 26.9	0.0
TPUB	Ta-pu		eSn	Sb	10 32 41.4	+0.4
CHN2	Minshiang	1.20 245	eP	Pb	10 32 27.4	+0.6
CHN2	Minshiang		eS	Sb	10 32 44.3	+2.3
RLNB	Erin	1.20 263	eP	Pb	10 32 26.9	+0.1
RLNB	Erin		eS	Sb	10 32 42.7	+0.7
TWY	Chenhua	1.23 357	eP	Pn	10 32 26.4	+0.4
JYNG	Yonagunijimaku	1.24 70	P	Pb	10 32 26.8	-0.7
JYNG	Yonagunijimaku		↑P	Sb	10 32 42.7	-0.4
WTP	Ta-pu	1.25 231	↑P	Pb	10 32 27.5	-0.1
WTP	Ta-pu		eS	Sb	10 32 43.9	+0.6
CHY	Chiayi	1.26 245	eP	Pb	10 32 28.2	+0.4
CHY	Chiayi		eS	Sb	10 32 45.3	+1.7
WTCT	Ta-ch'eng	1.28 262	eP	Pb	10 32 27.8	-0.3
WTCT	Ta-ch'eng		eS	Sb	10 32 44.1	-0.1
YOJ	Yonaguni jima	1.30 71	P	Pn	10 32 27.6	+0.7
YOJ	Yonaguni jima		eS	Sb	10 32 42.8	-0.6
YOJ	Yonaguni jima	1.30 71	ePn	Pn	10 32 27.6	+0.7
YOJ	Yonaguni jima		P	Pb	10 32 27.6	+0.7
YOJ	Yonaguni jima		↑P	Pb	10 32 28.8	-0.2
TWK	Twins	1.32 235	eP	Pb	10 32 45.8	+0.2
TWK	Twins		eS	Sb	10 32 25.7	-1.7
TWG	Pinlang	1.33 204	eP	Pn	10 32 25.7	-1.7
TWG	Pinlang		eSn	Sb	10 32 42.8	-1.3
TWG	Pinlang	1.33 204	ePn	Pn	10 32 25.8	-1.6
TWGBT	Beinan	1.33 204	↑P	Pb	10 32 28.9	-0.2
WMLT	Mailiao	1.34 260	eP	Pb	10 32 28.9	-0.2
WMLT	Mailiao		eS	Sb	10 32 47.0	+1.1
CHN1	Nanshi	1.34 231	eP	Pb	10 32 28.9	-0.4
CHN1	Nanshi		eS	Sb	10 32 45.3	+0.4
TTN	Taitung	1.37 200	eP	Pn	10 32 28.2	+0.3
WLGW	Puzi	1.37 246	eP	Pb	10 32 29.8	+0.2
WLGW	Puzi		eS	Sb	10 32 48.3	+1.5
SGST	Jiashan	1.38 226	↑P	Pb	10 32 29.7	-0.1
SGST	Jiashan		eS	Sb	10 32 48.2	+1.3
WSF	Szhu	1.38 253	eP	Pb	10 32 29.8	0.0
WSF	Szhu		eS	Sb	10 32 48.5	+1.4
SLGT	Liuqi	1.40 222	eP	Pb	10 32 30.1	-0.1
CHN8	Yiju	1.50 243	P	Pb	10 32 31.0	-0.9
CHN8	Yiju		eS	Sb	10 32 51.4	+0.9
ECL	Taimali	1.58 205	eP	Pn	10 32 29.7	-1.1
SSD	Sandimen	1.60 217	eP	Pn	10 32 32.0	+1.0
SSD	Sandimen		eS	Sb	10 32 53.6	+0.2
SCLT	Jiali	1.60 238	eP	Pn	10 32 32.0	+0.9
SCLT	Jiali		eS	Sb	10 32 54.0	+0.6
PCYT	Pengchayiu	1.62 13	eP	Pn	10 32 32.1	+0.7
TAH	Yung-k'ang	1.65 233	eP	Pb	10 32 33.7	-0.7
TWMI	Shoushan	1.66 224	↓P	Pb	10 32 34.9	+0.2
SGLT	Jiouru	1.70 220	eP	Pb	10 32 34.8	-0.4
MASBT	Mashibuluo	1.71 214	eP	Pn	10 32 33.0	+0.4
MASBT	Mashibuluo		eS	Sb	10 32 56.2	-0.3
EAST	Anshuo	1.81 205	eP	Pn	10 32 35.0	+0.9
TAW	Tawu	1.82 203	eP	Pn	10 32 35.4	+1.4
IRIF	Iromote-Funau	1.91 81	S	Pn	10 32 59.7	+1.3
SCZT	Fangliu	1.92 210	eP	Pb	10 32 37.4	-1.6
HATJ	Hateruma jima	1.96 89	P	Pn	10 32 37.2	+1.2
HATJ	Hateruma jima		S	Sb	10 33 01.0	+1.4
PHUB	P'eng-hu	1.99 255	eP	Pn	10 32 37.0	+0.6
PHUB	P'eng-hu		eS	Sb	10 33 01.0	+0.7
PNG	Penghu	1.99 257	eP	Pn	10 32 37.1	+0.7
PNG	Penghu		eS	Sb	10 33 01.3	+1.0
LAY	Lan-yu	2.00 183	eP	Pn	10 32 35.5	-1.1
WDGT	Dungji	2.00 247	eP	Pn	10 32 37.6	+1.1
WDGT	Dungji		eS	Sb	10 33 01.1	+0.6
WLCH	Liuqi	2.06 215	eP	Pn	10 32 40.8	-0.6
TWP	Hsiaoliuchiu	2.07 216	eP	Pn	10 32 39.5	+1.9
JKRS	Kuro-shima	2.15 84	P	Pn	10 32 39.5	+0.8
JKRS	Kuro-shima		S	Sb	10 33 05.5	+1.1
HEN	Hengchun	2.20 203	eP	Pn	10 32 41.4	+2.1
VCHM	Gimei	2.21 248	↑eP	Pn	10 32 40.9	+1.4
VCHM	Gimei		eS	Sb	10 33 07.2	+1.4
VWUC	VWUC	2.23 296	↑eP	Pn	10 32 39.4	-0.3
TWK1	Hengchun	2.23 201	eP	Pn	10 32 41.0	+1.2
TWK1	Hengchun		eS	Sb	10 33 07.8	+1.4
TWKBT	Hengchun	2.23 201	eP	Pn	10 32 41.1	+1.3
TWKBT	Hengchun		eS	Sb	10 33 08.6	+2.2
TSEB	Hengchuen, Pin	2.24 198	eP	Pn	10 32 42.2	+2.2
PTTC	Pingtang	2.25 311	eP	Pn	10 32 40.1	+0.1

Table with columns: PAU, PAU, KLR, IM3, PPLA, etc. containing station names, coordinates, and other data.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. for various stations.

ISK 11 11:40:54.8, 35:31N-26:02E, h8km, ML3.1/2
ATH 11 11:40:55.7, 35:22N-26:11E, h25km, 1km, ML3.1/4, Error ellipse: s-maj=2.5km s-min=1.0km az=172.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. for stations in the 2012 DEC section.

IDC 11 11:42:21.9, 2.4, 27.64S:66.72W, h0km, mb1 3.5/4, mb1mx3.4/26, mbtmp3.4/4, ML3.4/4, Error ellipse: s-maj=49.0km s-min=30.2km az=21.0

ISCJBJ 11 11:42:28.9, 0.6, 27.12S:0.0, 66.38W, 0.0, h33km, Error ellipse: s-maj=10.2km s-min=5.6km az=15.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. for stations in the 2012 DEC section.

IDC 11 11:45:23.4, 2.4, 6.01S:130.49E, h0km, mb3.5/1, mb1 3.4/4, mb1mx3.3/1, mbtmp3.3/4, ML2.9/3, MS2.9/1, Ms1 2.7/3, ms1mx2.3/2, Error ellipse: s-maj=100.0km s-min=30.0km az=77.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. for stations in the 2012 DEC section.

THE 11 12:08:07.3, 35:04N-28:14E, h8km, 3km, ML3.5/2, Error ellipse: s-maj=4.1km s-min=0.8km az=140.0

IDC 11 12:08:09.4, 1.1, 35:10N-27:83E, h0km, mb3.4/5, mb1 3.6/12, mb1mx3.5/2, mbtmp3.4/12, ML3.5/7, MS2.7/3, Ms1 2.7/3, ms1mx2.3/2, Error ellipse: s-maj=20.9km s-min=15.9km az=174.0

ATH 11 12:08:09.6, 35:26N-27:76E, h7km, 3km, ML3.4/2, Error ellipse: s-maj=10.2km s-min=1.4km az=32.0
ISK 11 12:08:09.7, 35:39N-27:62E, h4km, ML3.7/17
ISCJBJ 11 12:08:09.1, 0.9, 35:24N:0.03, 27:77E:0.03, h3km, 6km, mb3.2/5, MS2.8/2, Error ellipse: s-maj=4.4km s-min=3.6km az=162.8
GII 11 12:08:13.1, 0.8, 35:41N-27:75E, h36km
DDA 11 12:08:46.2, 35:18N-27:48E, h13km, M13.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. for stations in the 11d 12h section.

ISCJBJ 11 12:08:12.0, 1.6, 35:31N:0.0, 27:72E:0.03, h16km, 11km, n65, s146/80, mb3.3/5, Dodecanese Islands

ISCJBJ 11 12:14:54.0, 0.3, 12:79N:0.03, 88:59W:0.02, h70km, 2km, mb4.3/125, Error ellipse: s-maj=5.4km s-min=2.7km az=37.2

SNET 11 12:14:54.0, 0.0, 12:83N:88:51W, h54km
UCR 11 12:14:54.8, 1.9, 12:90N:88:57W, h61km, 14km, MD4.3, ML4.6, mb4.4(NEIC)

NEIC 11 12:14:55.9, 0.4, 12:73N:88:51W, h78km, 3km, mb4.4/135, MD4.6(SNET), Error ellipse: s-maj=6.1km s-min=3.4km az=212.0

NEIC, Felt [I] at San Salvador
IDC 11 12:14:56.3, 1.3, 13:01N:83:30W, h75km, 11km, mb4.0/13, mb1 4.2/17, mb1mx3.4/43, mbtmp3.4/17, MS3.6/6, Ms1 3.3/6, ms1mx3.1/22, Error ellipse: s-maj=25.8km s-min=8.1km az=43.0

ISC 11 12:15:54.0, 0.8, 12:84N:0.05, 88:52W:0.04, h71km, 7km, n425, s119/423, mb4.4/124, 2C, Phase ID, Off coast of Central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. for stations in the 11d 12h section.

11d 12h

UDBS	comp=Z,21j,0.4s	IAML	12 15 28.7
UESS	San Salvador	1.09 322 eP	Pn
UESS	comp=Z,8j,0.3s	IAML	12 15 13.4 -1.8
SNET	Serv Nac Est T	1.09 320 eP	Pn
SNET	comp=Z,7j,0.3s	IAML	12 15 12.8 -2.4
OPAM	San Salvador	1.10 323 eP	Pn
OPAM	comp=Z,12j,0.3s	IAML	12 15 13.2 -2.1
UEES	San Salvador	1.13 321 eP	Pn
UEES	comp=Z,10j,0.2s	IAML	12 15 13.5 -2.3
BOQS	Boqueros	1.16 320 eP	Pn
LLGN	La Laguna	1.39 342 eP	Pn
CRIN	San Cristobal	1.44 95 jP	Pn
CEVE	Cerro Verde	1.46 312 eP	Pn
CEVE	comp=Z,11j,0.6s	IAML	12 15 18.2 -2.0
SBLs	San Blas	1.47 313 eP	Pn
UNIC	Santa Ana	1.53 318 eP	Pn
TGUH	Tegucigalpa,Un	1.71 45 ePn	Pn
MT03	Montecristo	1.75 332 jP	Pn
CNGN	Cerro Negro	1.81 101 eP	Pn
MOMM	Momotombo	1.93 102 eP	Pn
COPN	Copaltepe	1.99 103 eP	Pn
ESTN	Estel	2.11 89 ePn	Pn
ESTN	Estel	2.11 83j ePn	Sn
ESTN	Estel	2.11 83j ePn	Sn
IXG	Ixpaco	2.31 305 eP	Pn
MGAN	Managua	2.32 107 eP	Pn
MATN	Matagalpa	2.53 88 eP	Pn
BOAB	BOACO BROADBAM	81 98 ePn	Pn
BOAB	BOACO BROADBAM	81 98 ePn	Sn
BOAB	BOACO BROADBAM	81 98 ePn	Sn
APG	El Apazote	2.87 319 P	Pn
APG	comp=Z,5,3nm,0.3s,baz=132,slow=4,4,SNR=3.3	S	12 15 38.2 -0.8
CONN	Concepcion	3.10 114 eP	Pn
ACON	Acocoya	3.38 105 eP	Pn
NY14	Universidad de	3.64 126 iP	Pn
GPS3	Bodega del ICE	3.72 124 iP	Pn
LMH1	Limalon	3.84 123 iP	Pn
MESS	Mesas	3.86 122 iP	Pn
MESS	Mesas	3.86 122 iP	Sn
VCR	Vista de Mar	3.91 133 eP	Pn
CUJ	Cuipilapa	3.93 123 iP	Pn
PLVR	Palo Verde	3.97 128 eP	Pn
ACD	Aguas Claras	4.05 129 iP	Pn
AMAS	Año Masis	4.10 122 iS	Pn
ESPN	Las Esperanzas	4.17 98 ePn	Pn
ESPN	Las Esperanzas	4.17 98 eP	Pn
JTS	JuntasAbangare	4.31 126 P	Pn
JTS	JuntasAbangare	4.31 126 ePn	Sn
JTS	JuntasAbangare	4.31 126 ePn	Sn
CCIG	Comitania	4.90 315 ePn	Pn
HDC	Heredia	5.16 123 ePn	Pn
LCR2	La Lucha 2	5.39 124 eP	Pn
URSC	Urasca	5.52 122 eP	Pn
TEIG	Tepich	7.35 2 ePn	Pn
IC20	Coco Island	7.39 169 eP	Pn
CMIG	Matias Romero	7.46 305 P	Pn
CMIG	comp=Z,1,9nm,0.3s,baz=137,slow=9,5,SNR=18	S	12 16 00.1 +1.5
MYIG	Moridia	8.16 352 eP	Pn
BCIP	Isla Barro Col	9.27 112 ePn	Pn
TLIG	Tiapa	10.78 297 ePn	Pn
MTDJ	Mount Denham	11.86 62 ePn	Pn
GTBY	Guantanamo Bay	14.66 60 eP	Pn
LNIG	Linare	15.84 321 eP	Pn
ROSC	El Rosal	16.11 118 LR	LR
857A	Zephyrhills	16.43 20 P	Pn
552A	Lynn Haven	17.46 9 P	Pn
447A	Lucedale	17.87 360 eP	Pn
446A	Poplarville	17.88 358 P	Pn
SDV	Santo Domingo	17.99 101 P	Pn
SDV	Santo Domingo	17.99 101 eP	Pn
BRAL	Brewton	18.29 4 eP	Pn
BRAL	Brewton	18.29 4 eP	Pn
453A	Whigham	18.34 12 eP	Pn
833A	Chaparral WMA	18.45 328 eP	Pn
833A	Chaparral WMA	18.45 328 P	Pn
455A	Stateville	18.52 15 P	Pn
344A	Westbrook Farm	18.64 354 eP	Pn
344A	Westbrook Farm	18.64 354 P	Pn
353A	Camilla	18.84 11 P	Pn
352A	Blakely	18.84 10 eP	Pn
352A	Blakely	18.84 10 P	Pn
TIGA	Tifton	19.06 13 P	Pn
249A	Camden	19.09 4 P	Pn
247A	Quitman	19.12 360 P	Pn
245A	Little AP, Sta	19.14 356 P	Pn
248A	Dixon Mills	19.18 2 P	Pn
244A	Avery, Jackson	19.21 354 P	Pn
251A	Midway	19.37 8 P	Pn
VBMS	Vicksburg	19.38 355 P	Pn
252A	Lumpkin	19.38 10 P	Pn
254A	Abbeville	19.61 13 P	Pn
NATX	Nacogdoches	19.66 344 eP	Pn
146A	Union	19.71 359 eP	Pn
146A	Union	19.71 359 P	Pn
435B	Jarrell	19.72 336 eP	Pn
149A	Jones	19.73 4 P	Pn
148A	Greensboro	19.73 2 P	Pn
147A	Livingston	19.74 1 eP	Pn
147A	Livingston	19.74 1 P	Pn
150A	Eclectic	19.81 6 P	Pn
151A	Opelika	19.81 8 P	Pn
256A	Glennville	20.00 17 P	Pn
152A	Waverly Hall	20.04 9 eP	Pn
152A	Waverly Hall	20.04 9 P	Pn
LRAL	Lakeview Retre	20.15 4 eP	Pn
LRAL	Lakeview Retre	20.15 4 P	Pn

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Z46A	Louisville	20.26 359 P	Pn
Z47A	Carrollton	20.27 1 P	Pn
154A	Montrose	20.30 13 eP	Pn
154A	Montrose	20.30 13 P	Pn
Z49A	Columbiana	20.34 5 P	Pn
JCT	Junction City	20.42 331 eP	Pn
JCT	Junction City	20.42 331 P	Pn
Z43A	Armstrong Fami	20.43 353 P	Pn
155A	Kite	20.45 15 P	Pn
Z50A	Ashland	20.46 6 eP	Pn
Z50A	Ashland	20.46 6 P	Pn
Z48A	Northport	20.46 2 P	Pn
Z52A	Williamson	20.60 10 P	Pn
Z51A	Franklin	20.61 8 P	Pn
156A	Sylvania	20.74 17 P	Pn
WHTX	Lake Whitney,	20.76 338 eP	Pn
Z53A	Monticello	20.84 12 P	Pn
Y46A	Houston	20.95 359 P	Pn
Y45A	Yeager Farm, C	20.95 358 P	Pn
Z54A	Sparta	20.95 13 P	Pn
Y47A	UCPARC, Winfie	20.98 2 P	Pn
GOGA	Godfrey	20.99 12 eP	Pn
GOGA	Godfrey	20.99 12 P	Pn
Y49A	Blount Mountai	21.01 5 eP	Pn
Y49A	Blount Mountai	21.01 5 P	Pn
Y48A	Jasper	21.01 3 P	Pn
Y44A	Strider, Charl	21.08 356 P	Pn
WLAR	White Oak Lake	21.17 349 eP	Pn
Y51A	Rockmart	21.20 8 P	Pn
Y52A	Liburn	21.32 10 P	Pn
Y52A	Liburn	21.32 10 P	Pn
HPIG	comp=Z,4,3nm,0.6s	21.33 314 eP	Pn
Y53A	Monroe	21.40 11 P	Pn
X48A	Hartselle	21.56 3 eP	Pn
X48A	Hartselle	21.56 3 P	Pn
NHSC	New Hope	21.57 19 P	Pn
X47A	Russellville	21.59 1 P	Pn
Y54A	Tignall	21.59 13 P	Pn
OXF	Oxford	21.59 358 P	Pn
X46A	Booneville	21.62 360 P	Pn
LTX	Lajitas	21.62 322 eP	S
LTX	Lajitas	21.62 322 eS	S
TXAR	Lajitas Array	21.62 322 P	Pn
TXAR	comp=Z,5,1nm,0.7s,baz=146,slow=10,0,SNR=40	PcP	PcP
TXAR	comp=Z,0,8nm,0.8s,baz=161,slow=4,5,SNR=5.8	PcP	PcP
TX31	Lajitas Ar. Si	21.62 322 eP	Pn
X49A	Woodville	21.67 5 P	Pn
X50B	Fort Payne	21.68 6 P	Pn
HODGE	Hodges	22.04 14 eP	Pn
PLAL	Pickaway Lake	22.05 1 eP	Pn
X53A	Estantolee	22.08 12 P	Pn
MIAR	Mount Ida	22.09 349 eP	Pn
MIAR	Mount Ida	22.09 349 P	Pn
UALR	University of	22.11 352 eP	Pn
ABTX	Abilene, Hawle	22.17 334 eP	Pn
ABTX	Abilene, Hawle	22.17 334 P	Pn
W48A	Pulaski	22.25 3 P	Pn
W47A	Westpoint	22.33 2 P	Pn
JSC	Jenkinsville	22.34 16 eP	Pn
W50A	Signal Mountai	22.45 7 eP	Pn
W50A	Signal Mountai	22.45 7 P	Pn
W51A	Cleveland	22.48 8 P	Pn
W41B	Gary Mavity, V	22.49 352 eP	Pn
W41B	Gary Mavity, V	22.49 352 P	Pn
W42A	Bald Knob	22.50 354 P	Pn
X37A	Clayton	22.53 345 eP	Pn
WHAR	Woolly Hollow	22.61 352 eP	Pn
PAULI	Pauline	22.71 14 eP	Pn
MTP	Monte Pirata	22.73 74 eP	Pn
W53A	Cullowhee	22.75 11 P	Pn
W39A	Magazine	22.76 349 eP	Pn
W39A	Magazine	22.76 349 P	Pn
CPCT	Cooper Cave	22.80 8 eP	Pn
V48A	Smith Brothers	22.85 4 P	Pn
V46A	Holiday	22.86 1 P	Pn
V47A	Nunnely	22.91 2 P	Pn
V50A	Pikeville	22.94 7 P	Pn
V49A	McMinnville	22.95 5 P	Pn
V42A	Cord	23.01 354 P	Pn
CUPR	Culebra, Puert	23.02 73 eP	Pn
V41A	Mountainview	23.08 352 P	Pn
TKL	Tuckaleechee C	23.12 10 P	Pn
TKL	Tuckaleechee C	23.12 10 eP	Pn
KMSC	Kings Mountain	23.14 15 P	Pn
V51A	Loudon	23.17 9 P	Pn
WVT	Waverly	23.20 1 P	Pn

588

V53A	Saluda	23.30 12 P	P
V52A	Sevierville	23.33 10 P	P
STVI	Saint Thomas	23.33 73 eP	P
U44B	Burton Farm, H	23.41 358 P	P
U46A	Springville	23.42 1 P	P
U47A	Clarksville	23.53 2 P	P
U42A	Revsden	23.54 354 P	P
U41A	Viola	23.60 353 P	P
U49A	Red Boiling Sp	23.70 5 P	P
U50A	Jonestown	23.70 7 P	P
WMOK	Wichita Mounta	23.70 339 eP	P
WMOK	Wichita Mounta	23.70 339 P	P
U40A	Yellville	23.74 351 P	P
U51A	La Follette	23.78 9 P	P
TUL1	Leonard	23.89 345 P	P
U53A	Fall Branch	24.02 12 P	P
T47A	Sharon Grove	24.08 3 eP	P
T47A	Sharon Grove	24.08 3 P	P
T46A	Princeton	24.11 1 P	P
T43A	Greenville	24.19 357 P	P
T42A	Van Buren	24.20 355 eP	P
T42A	Van Buren	24.20 355 P	P
T41A	Mountain View	24.28 354 P	P
T50A	Nancy	24.30 7 P	P
T49A	Edmonton	24.31 6 P	P
MNTX	Cornudas Mount	24.35 323 eP	P
MNTX	Cornudas Mount	24.35 323 P	P
MSTX	Muleshoe	24.71 331 eP	P
MSTX	Muleshoe	24.71 331 P	P
S46A	Don Dixon Farm	24.75 2 P	P
S44A	Carbondale	24.76 359 P	P
S48A	Wiedeman Farm,	24.81 5 P	P
S41A	Jilco Farms,	24.81 354 P	P
S42A	Caledonia	24.91 356 P	P
AMTX	Amarillo	24.98 334 eP	P
AMTX	Amarillo	24.98 334 P	P
S50A	Richmond	25.01 8 P	P
CCM	Cathedral Cave	25.23 355 eP	P
CCM	Cathedral Cave	25.23 355 P	P
R44A	Waltonville	25.31 359 P	P
R45A	Skyler, Fairir	25.35 0 P	P
WCI	Wyandotte Cave	25.36 4 P	P
R43A	Red Bud	25.36 357 P	P
R47A	Wooly Knot Far	25.41 4 P	P
R41A	Rosebud	25.48 355 P	P
R51A	Hillsboro	25.73 9 P	P
Q44A	Meyer Farm, Va	25.96 359 P	P
Q47A	Bedford North L	26.06 4 P	P
Q48A	North Vernon	26.10 5 P	P
Q41A	Truxton	26.12 355 P	P
Q51A	Peebles	26.48 9 P	P
Q52A	Bidwell	26.60 11 P	P
P48A	Milroy	26.66 5 P	P
P42A	Winchester	26.69 357 P	P
BNM	Barren Site	26.86 325 eP	P
KSU1	Kansas State U	27.12 346 eP	P
O45A	Potomac	27.31 1 P	P
ANMO	Albuquerque	27.36 327 P	P
ANMO	Albuquerque	27.36 327 eP	P
O50A	Cable	27.54 8 P	P
O51A	Pataskala	27.69 10 P	P
ACSO	Alum Creek Sta	27.72 9 P	P
CBKS	Cedar Bluff	27.72 341 P	P
T25A	Trinidad	28	

DBIC Dimbokro 165.76 212 ePKP2 PKPab 12.39 22.0 -0.6
DBIC Dimbokro 165.76 212 ePKP2 PKPab 12.39 22.0 -0.6

NIED 11 12:20:00.37,90N,143.80E,h5km,Mw3.8 Best double couple: M=5.36000,1014 NP1=22.00000,844.00000,
7-88.00000. NP2=20.00000,846.00000,
7-92.00000
IDC 11 12:20:20.7,0,9,37.77N,143.98E,h0km,Mw3.7/10,
mb1 3.9/16,mb1mx3.8/49,mbtmp3.8/16,ML3.9/5,MS2.8/5,
Ms1 2.8/5,ms1mx2.5/36,Error ellipse: s-maj=22.2km
s-min=17.6km az=117.0
ISCJB 11 12:20:23.9,0,4,37.86N,143.85E,0.03,h33km,
mb3.9/16,MS3.2/2,Error ellipse: s-maj=4.8km
s-min=3.8km az=160.9
JMA 11 12:20:24.0,0,2,37.91N,143.84E,h46km,M4.0
NEIC 11 12:20:26.0,0,4,37.83N,143.91E,h35km,mb4.4/7,Error
ellipse: s-maj=7.8km s-min=5.3km az=144.0
ISC 11 12:20:26.3,0,8,37.90N,143.82E,0.07,h35km,n72,
c2507/84,mb4.0/4,Off east coast of Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists various seismic stations and their coordinates.

ISK 11 12:26:41.3,37.21N,28.74E,h14km,ML2.1/6
ISC 11 12:26:41.0,0,9,37.18N,28.75E,0.03,h0km,n11,
c0540/18,Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like DENIZLI, DALY, DALYAN, etc.

SOME 11 12:27:25.7,40.08N,70.52E,h10km
KRNET 11 12:27:28.0,1,40.20N,70.71E,mb2.2
NCC 11 12:27:31.6,4,5,40.02N,70.74E,h0km,mb2.6,mpv2.2,
Error ellipse: s-maj=39.9km s-min=13.7km az=43.0
ISC 11 12:27:28.7,1,3,40.23N,70.78E,0.05,h2km,16km,
n13,c1946/25,13C-8D,Tajikistan

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like Batken, BTK, ARK, ARS, ARSB, etc.

IDC 11 12:29:12.0,2,9,6.57S,129.71E,h124km,3gkm,mb3.3/1,
mb1 3.5/5,mb1mx3.2/29,mbtmp3.9/5,MS3.2/1,Ms1 3.2/1,
ms1mx2.7/7,Error ellipse: s-maj=71.7km s-min=20.9km
az=89.0,Banda Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like SIJ, SIJI, BATI, FITZ, WRA, etc.

MEX 11 12:39:51.9,0,7,16.34N,98.22W,h13km,2km,MD3.7,
Near coast of Guerrero

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like PNIG, TLIG, VHO, etc.

MEX 11 12:45:07.2,0,7,16.26N,98.02W,h2km,MD3.7, Near
coast of Guerrero

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like PNIG, TLIG, etc.

IDC 11 12:49:08.8,0,9,59.60S,26.33W,h0km,mb4.1/4,
mb1 4.2/5,mb1mx3.0/28,mbtmp4.0/5,ML4.0/1,Error
ellipse: s-maj=42.5km s-min=25.7km az=78.0
ISCJB 11 12:49:12.9,0,9,59.75S,26.26W,0.5,h35km,mb4.0/4,
Error ellipse: s-maj=40.8km s-min=13.4km az=153.8
ISC 11 12:49:15.2,0,8,59.37S,26.46W,0.2,h35km,n14,
c2506/13,mb4.0/4,South Sandwich Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like VNA1, VNA3, VNA2, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like ARCES, YAL, ZALV, etc.

IDC 11 12:52:54.9,999.0,45,18N,43.67E,h0km,Error ellipse:
s-maj=8519.0km s-min=241.7km az=57.0,
Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like I31KZ, I46RU, I34MN, etc.

IDC 11 12:55:55.3,4,0,19.49N,108.95W,h0km,mb3.5/5,
mb1 3.9/7,mb1mx3.7/37,mbtmp3.6/7,ML3.5/2,MS2.9/2,
Ms1 2.9/2,ms1mx2.7/28,Error ellipse: s-maj=73.1km
s-min=40.1km az=72.1
ISC 11 12:55:52.4,1,3,19.00N,102.10871W,0.08,h10km,n12,
c2526/13,mb3.5/5,Revilla Gigedo Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like H06E1, H06E1, H06S1, etc.

IDC 11 13:00:46.2,1,9,3.91N,125.80E,h0km,mb3.6/4,
mb1 3.9/4,mb1mx3.5/39,mbtmp3.7/4,Error ellipse:
s-maj=123.4km s-min=23.9km az=69.0,Talauad Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like FITZ, WRA, ASAR, etc.

IDC 11 13:09:46.4,2,6,37.63N,144.73E,h0km,mb3.3/3,
mb1 3.6/7,mb1mx3.4/49,mbtmp3.6/7,ML3.5/4,Error
ellipse: s-maj=50.7km s-min=26.8km az=138.0
JMA 11 13:09:56.6,0,2,37.91N,143.60E,h52km,M3.3
ISC 11 13:09:53.9,1,4,37.85N,143.60E,0.1,h35km,n19,
c2546/31,mb3.3/3,Off east coast of Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like JIKH, JIO, JKM, etc.

MEX 11 12:39:51.9,0,7,16.34N,98.22W,h13km,2km,MD3.7,
Near coast of Guerrero

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like MAT, JAT, JHJ, etc.

IDC 11 13:16:22.9,3,3,23.75S,179.92E,h496km,34km,mb3.0/4,
mb1 3.4/5,mb1mx3.0/28,mbtmp4.1/5,Error ellipse:
s-maj=43.5km s-min=28.3km az=173.0
WEL 11 13:16:24.2,2,2,24.52N,173.9W,2.8,h569km,22km
ISC 11 13:16:27.0,1,1,24.05S,179.9W,0.2,h550km,n36,
c1874/38,mb3.5/4,South of Fiji Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time Res, h m s, ISC. Lists stations like GLKZ, OUM, WCU, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like MGR, MCEL, BULG, SLCN, CRAC, CELI, CMPR, CDRU, MIGL, ACER, TIP.

Table with columns for station name, frequency, and other parameters. Includes stations like TIP, MATE, LTRZ, SERS, AMUR, MASS, MRVN, NOCI, JOPP, CGLI, BAI, FASA, PLAC, MSCR, MPZ, MUCR, HLN, HCY, ULC.

Table with columns for station name, frequency, and other parameters. Includes stations like BUM, DRME, CEME, PDG, TGT, BRY, NKME, PVY, IVA, PLE, BBL, IVAS, SELS, DIVS, DIVS, BARS, GARS, BOVS, FRGS, ZAPS, VITG, VTS, MDVR, GZR, BURAR.

IDC 11 14:28:47.8.1.1, 37.60N-143.76E, h0km, mb3.5/6, mb1 3.7/9, mb1mx3.6/31, mb1mp3.6/9, ML3.5/3, Error ellipse: s-maj=26.7km s-min=19.4km az=90.0

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JIKH, JIO, JKM, JOM, JYK, JAG, JRY, JOD, MJAR, MAT, JCH, JHJ, ASAJ, H1N1, H1N2, H1N3, H1S1, H1S3, SONM, ZALV, MKAR, ILAR, WRA, ASAR.

ISCJB 11 14:35:08.0.0.3, 38.12N-102.33W, h0km, 2km, Error ellipse: s-maj=3.0km s-min=2.1km az=3.6

MDD 11 14:35:10.8.0.2, 38.05N-102.32W, h2km, 3km, mBLG2.9/35, Error ellipse: s-maj=2.4km s-min=2.0km az=47.0, PPRXIMO

MDD EMS: IV INTENSIDAD MAXIMA INMG 11 14:35:10.7.1.4, 38.07N-102.32W, h0km, ML2.8, Error ellipse: s-maj=1.6km s-min=1.3km az=83.0

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EQES, SESP, SESP, GORA, GORA, EQU, EQU, EADA, EADA, EGOR, EGOR, EBER, EBER, ELGU.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ELGU, ENIJ, ETOB, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MESJ, MTE, MVO, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ES02, ESCD, PAB, etc.

ISCJ 11 14:35:29.0, 0.6, 38.01N, 0.05:3.34W, h11km, Error ellipse: s-maj=7.8km s-min=5.8km az=40.7

IDC 11 14:35:59.1, 1.1, 35.33N, 141.114E, h0km, mb3.6/4, mb1 3.0/7, mb1mx3.4/35, mbtmp3.6/7, ML3.1/3, Error ellipse: s-maj=28.3km s-min=19.5km az=85.0

ISCJB 11 14:36:00.5, 1.1, 35.45N, 140.014, 11E, 0.1, h24km, 7km, mb3.4/4, Error ellipse: s-maj=16.2km s-min=7.0km az=173.7

NIED 11 14:36:00.35, 40N, 141.00E, h23km, Mw3.5 Best double couple: M2.35000x1014 NP1.9x238.00000, 824.00000, 1.89.00000, NP2.6x57.00000, 866.00000, 1.9.00000

JMA 11 14:36:02.3, 0.1, 35.46N, 140.95E, h24km, 2km, M3.7 JMA Fell II J1

ISC 11 14:36:00.7, 1.9, 35.40N, 140.05, 140.95E, 0.07, h13km, 12km, n23, r164/22, mb3.3/4, 3C, Near east coast of eastern

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like CHOI, JSMT, KTR, etc.

IDC 11 14:39:07.2, 4.8, 5.62S, 131.50E, h0km, mb3.6/1, mb1 3.0/9, mb1mx3.3/32, mbtmp3.4/3, ML3.3/2, Error ellipse: s-maj=344.4km s-min=31.4km az=73.0, Banda Sea

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

IDC 11 15:08:38.3, 1.6, 37.55N, 143.86E, h0km, mb3.6/4, mb1 3.0/9, mb1mx3.6/51, mbtmp3.6/51, ML3.8/3, MS3.3/4, Ms1 3.3/4, mb1mx2.6/45, Error ellipse: s-maj=34.6km s-min=20.8km az=69.0

ISCJB 11 15:08:41.1, 0.7, 37.63N, 143.72E, 0.06, h33km, mb3.6/4, MS4.1/2, Error ellipse: s-maj=6.8km s-min=5.0km az=6.6

JMA 11 15:08:42.3, 0.2, 37.66N, 143.63E, h56km, M3.4 ISC 11 15:08:43.5, 1.3, 37.65N, 143.68E, 0.10, h35km, n27, r185/40, mb3.5/4, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like JIKH, JKH, JIO, etc.

comp=2.0,2nm,0.4s,baz=4.8,slow=7.7,SNR=3.5
TORO Torodi Ar Bea 159.41 181 PKPab PKPab 16 48 32.8 +2.7

IDC 11 16:50:32.4,2.8,13.666N:92.49W,h0km,mb3.5/3,
mb1 3.8/6,mb1mx3.5/7,mbtmp3.4/6,ML3.4/3,MS2.9/2,
Ms1 2.9/2,ms1mx2.3/26,Error ellipse: s-maj=52.0km
s-min=27.1km az=3.0

MEX 11 16:50:43.0,0.4,14.266N:92.56W,h15km,75km,MD4.0
NEIC 11 16:50:43.0,0.4,14.266N:92.56W,h16km,MD4.0(MEX),
After MEX.

ISC 11 16:50:40.5,1.7,14.330N:0.1:92.64W,0.06,h10km,n17,
a1502.20,mb3.8/3,Near coast of Chiapas

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

ISCJTB 11 16:54:56.3,0.4,30.379N:0.03:140.20E,0.09,h100km,
mb4.1/23,Error ellipse: s-maj=10.5km s-min=4.5km
az=6.2

JMA 11 16:54:53.6,0.1,30.566N:140.44E,h46km,M3.9
IDC 11 16:54:54.3,1.5,30.533N:140.00E,h118km,11km,
mb3.8/17,mb1 3.9/20,mb1mx3.7/54,mbtmp4.2/20,MS2.5/1,
Ms1 2.5/1,ms1mx2.1/43,Error ellipse: s-maj=21.2km
s-min=11.4km az=90.0

NEIC 11 16:54:55.2,0.5,30.54N:140.10E,h128km,4km,mb4.6/11,
Error ellipse: s-maj=7.5km s-min=4.9km az=89.0

ISC 11 16:54:52.3,0.5,30.51N:0.04:140.22E,0.07,h100km,n76,
a2818/6,mb4.2/23,5C-3D,Southeast of Honshu

Large table listing station data for the 11d 17h period, including station names, coordinates, and times.

0.9nm,0.4s,baz=4.8,slow=7.7,SNR=3.8
AS31 Alice Springs 54.20 187 eP P 17 04 07.5 -0.2

Table listing station data for the 53 DEC period, including stations like ASAR, ILAR, ABKAR, etc.

IDC 11 16:58:59.7,1.4,37.55N:144.06E,h0km,mb3.4/3,
mb1 3.8/6,mb1mx3.4/50,mbtmp3.7/6,ML3.5/3,Error
ellipse: s-maj=36.0km s-min=23.3km az=114.0

ISCJTB 11 16:59:02.4,0.9,37.74N:140.04:143.63E,0.06,h33km,
mb3.4/3,Error ellipse: s-maj=4.0km s-min=5.3km az=16.7

JMA 11 16:59:03.0,0.2,37.81N:143.55E,h50km,M3.2
ISC 11 16:59:04.7,1.2,37.78N:0.05:143.59E,0.08,h35km,n21,
a1546/28,mb3.3/3,Off east coast of Honshu

Table listing station data for the 53 DEC period, including stations like JIKH, JIO, JKM, etc.

IDC 11 17:00:52.3,1.5,37.69N:143.86E,h0km,mb3.4/4,
mb1 3.8/6,mb1mx3.4/45,mbtmp3.4/6,ML3.6/2,Error
ellipse: s-maj=32.9km s-min=25.9km az=120.0

ISCJTB 11 17:00:55.2,0.9,37.85N:143.80E,0.07,h33km,
mb3.3/4,Error ellipse: s-maj=9.0km s-min=5.9km
az=138.9

JMA 11 17:00:55.1,0.2,37.80N:143.76E,h56km,M3.2
ISC 11 17:00:56.7,1.1,37.81N:0.06:143.82E,0.07,h35km,n18,
a1556/27,mb3.4/4,Off east coast of Honshu

Table listing station data for the 53 DEC period, including stations like JIKH, JIO, JKM, etc.

comp=Z,11nm,20.3s,baz=112,slow=33
WRA Warramunga Arr 21.91 161 P P 17 06 45.3 -0.4

ASAR Alice Springs 25.31 165 P P 17 07 19.5 +0.3
MKAR Makanchi Array 60.06 326 P P 17 11 59.9 +0.3
KURBB Kurchatov Arr 64.29 328 P P 17 12 28.1 +0.2

SOME 11 17:09:53.5,41.73N:71.80E,h0km,
NINC 11 17:09:55.8,0.8,41.89N:71.74E,h0km,mb2.5,mpv2.1,
Error ellipse: s-maj=6.9km s-min=4.1km az=126.0

ISC 11 17:09:54.5,1.3,41.79N:0.05:71.78E,0.04,h12km,n23km,
n7,0056/12,8C-2D,Kyrgyzstan

Table listing station data for the 598 period, including stations like MNAS, IUG, KK31, etc.

TAP 11 17:12:26.1,22.02N:120.46E,h47km,ML3.5,16C-2D,C,
Taiwan

Large table listing station data for the 598 period, including stations like HEN, TWP, WLC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CSS Mathiatis, AKKU Akkuyu-Mersin, etc.

ISK 11 20:42:29.9, 34.91N, 33.84E, h45km, 3km, ML3.1/9
NIC 11 20:42:31.9, 0.2, 35.05N, 33.66E, h49km, ML3.1

ISCJBJ 11 20:42:32.0, 2.0, 35.03N, 0.06, 33.70E, 0.05, h44km, Error
ellipse: s-maj=6.7km, s-min=5.8km, az=158.8

ISC 11 20:42:32.3, 1.4, 35.00N, 0.07, 33.70E, 0.05, h44km, n22,
-0.75/26, Cyprus region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AKIN Ak-nc-lar-K, PHNC Paralmimi, etc.

ISC 11 21:05:05.8, 2.0, 73.05N, 127.37E, h0km, mb3.2/1,
mb1 4.1/3, mb1mx3.5/20, mbtmp3.8/3, ML4.0/2, Error
ellipse: s-maj=135.1km, s-min=32.6km, az=64.0, Banda
Sea

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

NEIC 11 21:05:45.0, 0.0, 58.86N, 134.51W, h10km, ML2.6(OTT),
After OTT

PGC 11 21:05:45.0, 3.3, 58.86N, 134.51W, h10km, ML2.6/2,
49km ESE of Haines, AK Southeastern Alaska,
Southeastern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BESE Bessie Mountai, SKAG Skagway, etc.

Table with columns: YUKA Talbot Arm, YUK4 Talbot Arm, YUK4 Talbot Arm. Includes coordinates and error ellipses.

ISC 11 21:15:40.2, 2.6, 37.64N, 143.99E, h0km, mb3.4/3,
mb1 3.5/4, mb1mx3.2/31, mbtmp3.3/4, ML3.5/1, Error
ellipse: s-maj=68.3km, s-min=31.0km, az=65.0

ISCJBJ 11 21:15:42.0, 2.8, 37.87N, 0.04, 143.87E, 0.06, h33km,
mb3.4/3, Error ellipse: s-maj=7.2km, s-min=5.3km, az=22.4

JMA 11 21:15:43.2, 0.2, 37.81N, 143.78E, h52km, M3.3
ISC 11 21:15:44.7, 1.3, 37.87N, 0.06, 143.83E, 0.08, h35km, n24,
-0.161/33, mb3.5/3, 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 JIKH Ishinomakikobu, JIKH Ouri, etc.

ISC 11 21:31:01.9, 2.8, 6.65S, 129.81E, h145km, 38km, mb3.2/1,
mb1 3.1/5, mb1mx2.9/39, mbtmp3.5/5, Error ellipse:
s-maj=88.1km, s-min=20.8km, az=89.0, Banda Sea

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

ISCJBJ 11 21:37:33.0, 4.0, 9.02S, 0.06, 113.36E, 0.04, h73km,
mb3.7/6, Error ellipse: s-maj=8.4km, s-min=4.6km, az=19.7

DJA 11 21:37:35.2, 1.0, 9.5S, 113.36E, h31km, M3.4, 7/22,
mb5.5/3, mb5.1/4, MLV4.2/22, Mv(m)5.0/3

KLM 11 21:37:35.0, 9.28S, 113.31E, h64km, mb4.5
ISC 11 21:37:36.5, 2.6, 8.78S, 113.45E, h98km, 27km, mb3.6/4,
mb1 3.7/9, mb1mx3.4/52, mbtmp3.9/9, MS2.9/2, Ms1 2.9/2,
ms1mx2.5/25, Error ellipse: s-maj=30.1km, s-min=14.9km,
az=42.0

ISC 11 21:37:34.0, 0.7, 9.00S, 0.07, 113.40E, 0.05, h73km, n34,
-0.173/35, mb3.7/6, South of Java

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

NEIC 11 21:47:33.0, 0.6, 31.66N, 0.02, 115.92W, 0.02, h10km, 4km,
Error ellipse: s-maj=4.4km, s-min=2.9km, az=36.6

PAS 11 21:47:34.0, 0.0, 31.68N, 0.05, 115.96W, h5km,
NEIC 11 21:47:34.0, 0.0, 31.68N, 0.05, 115.93W, h5km, ML3.4(ECX),
ML3.6(PAS), After ECX

ECX 11 21:47:34.5, 0.6, 31.68N, 0.05, 115.93W, h5km, M3.4, ML3.6,
Fault plane solution: NP1:0, 0.00000, 0.890, 0.00000,
lambda, 0.00000

ANF 11 21:47:35.0, 0.9, 31.77N, 115.88W, h20km, 6km, ML3.4/22,
ML3.4/22, Error ellipse: s-maj=4.8km, s-min=2.7km,
az=29.0

MEX 11 21:47:35.4, 0.3, 31.58N, 116.03W, h9km, 5km, MD3.7
ISC 11 21:47:33.0, 1.1, 31.73N, 0.03, 115.92W, 0.02, h4km, 10km,
n58, -0.142/189, TC-9D, Baja California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZAX El Zecaton, ECXN Esteban Cantu, etc.

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

ISCJBJ 11 21:47:33.0, 0.6, 31.66N, 0.02, 115.92W, 0.02, h10km, 4km,
Error ellipse: s-maj=4.4km, s-min=2.9km, az=36.6

PAS 11 21:47:34.0, 0.0, 31.68N, 0.05, 115.96W, h5km,
NEIC 11 21:47:34.0, 0.0, 31.68N, 0.05, 115.93W, h5km, ML3.4(ECX),
ML3.6(PAS), After ECX

ECX 11 21:47:34.5, 0.6, 31.68N, 0.05, 115.93W, h5km, M3.4, ML3.6,
Fault plane solution: NP1:0, 0.00000, 0.890, 0.00000,
lambda, 0.00000

ANF 11 21:47:35.0, 0.9, 31.77N, 115.88W, h20km, 6km, ML3.4/22,
ML3.4/22, Error ellipse: s-maj=4.8km, s-min=2.7km,
az=29.0

MEX 11 21:47:35.4, 0.3, 31.58N, 116.03W, h9km, 5km, MD3.7
ISC 11 21:47:33.0, 1.1, 31.73N, 0.03, 115.92W, 0.02, h4km, 10km,
n58, -0.142/189, TC-9D, Baja California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZAX El Zecaton, ECXN Esteban Cantu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

ICD 11 21:47:41.8, 2.1, 35.94N:53.65E, h0km, mb3.4/3, mb1 3.7/6, mb1mx3.4/39, mbtmp3.5/6, ML3.3/3, Error ellipse: s-maj=42.0km s-min=18.4km az=15.0

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.

ICD 11 21:47:42.0, 3.0, 36.14N:53.63E, h15km, m4.1/5, Error ellipse: s-maj=3.0km s-min=1.5km az=230.0

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.

ICD 11 21:58:16.7, 2.5, 37.90N:143.91E, h0km, mb3.4/4, mb1 3.5/5, mb1mx3.4/46, mbtmp3.4/5, ML3.2/1, MS2.9/1, Ms1 2.9/1, ms1mx2.3/35, Error ellipse: s-maj=66.8km s-min=29.1km az=68.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: UCH, ZALV, ZALV, MKAR, KURBB, WRA. Includes Zalesovo Beam, Makanchi Array, Kurchatov Arra, Warramunga Arr.

ISCJB 11 22:00:14.1±0.8, 13°4N,02°24'14"E,0.1, h129km, mb3.4/5, Error ellipse: s-maj=21.9km s-min=16.6km az=167.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes GUMO, WARRAMUNGA ARR, ASAR, CMAR, MKAR, KURBB.

NNC 11 22:00:47.5±1.3, 37°45'N, 71°36'E, h9km, 156km, mb3.6, mpv3.4, 5C-4D, Error ellipse: s-maj=162.0km s-min=20.9km az=12.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes SFK, MNAS, KK31, AAK, TKM2, AB31.

IDC 11 22:19:15.7±1.4, 3.27S, 140°15'E, h0km, mb3.2/3, mb1 3.5/4, mb1mx3.3/28, mbtmp3.2/4, ML3.0/1, Error ellipse: s-maj=53.7km s-min=12.5km az=125.0, Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes JAY, WRA, ASAR, MKAR, ILAR.

NNC 11 22:44:52.7±3.7, 37°70'N, 71°33'E, h0km, mb3.6, mpv3.2, 7C. Error ellipse: s-maj=29.7km s-min=24.0km az=158.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes SFK, MNAS, KK31, AAK, AB31.

IDC 11 23:08:34.7±3.7, 24°16'0N, 95°09'E, h136km, 44km, mb3.1/3, mb1 3.2/4, mb1mx2.8/51, mbtmp3.5/4, Error ellipse: s-maj=114.7km s-min=22.2km az=59.0

ISCJB 11 23:08:35.4±1.0, 24°16'0N, 95°09'E, h120km, 8km, mb3.3/3, Error ellipse: s-maj=13.1km s-min=8.5km az=12.6

NDI 11 23:08:38.3±2.1, 24°73'N, 94°14'E, h10km, ML2.9, ISC 11 23:08:34.2±1.3, 24°75'N, 94°16'E, h113km, 13km, n10, c202/15, mb3.4/3, Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes KOHI, MOKO, TEZP, SHL, SAIH, GUWA, CMAR, MKAR, KURBB, WRA.

NIED 11 23:12:00.37, 90N, 143°80'E, h8km, Mw3.6 Best double couple: Ms3.12000, 1014 NP1.9±25.00000°, δ25.00000°, λ-9.00000°, NP2.φ±208.00000°, δ65.00000°, λ-89.00000°. IDC 11 23:12:15.2±1.1, 37°77'N, 143°99'E, h0km, mb3.6/7, mb1 3.8/10, mb1mx3.6/48, mbtmp3.6/10, ML3.8/2, MS2.9/2, Ms1 2.9/2, ms1mx2.4/46, Error ellipse: s-maj=26.7km s-min=19.9km az=80.0

ISCJB 11 23:12:17.9±0.7, 37°87'N, 143°88'E, 0.05, h33km, mb3.6/7, MS3.6/1, Error ellipse: s-maj=6.2km s-min=5.9km s-z=141.0 JMT 11 23:12:18.8±0.2, 37°93'N, 143°80'E, h11km, M3.8 ISC 11 23:12:20.1±0.1, 37°94'N, 0°06.143'88'E, 0.07, h35km, n28, c195/41, mb3.6/7, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes JIKH, JIO, JUF, OFU, JKM, JMK, JOM, JOM, JFT, JFT, JYK, JYK, JANG, BSO, BSO, JOT, JRY, JRY, JCH, JCH, JO2, MJAR, MJAR, MAT, MAT, NEM, NEM, ASAJ, ASAJ, USRK, USRK, KLR, KLR, SONM, ZALV, MKAR, KURBB, ILAR, WRA, SPITS, ASAR.

BUI 11 23:16:18.0, 18°43'S, 168°08'E, h6km, mb5.2/38, mb5.3/23, Ms5.1/7, Ms7.4/97

ISCJB 11 23:16:19.8±0.1, 18°98'S, 0°03.167°71'E, 0.03, h20km, mb4.9/86, MS4.0/21, Error ellipse: s-maj=5.5km s-min=4.0km az=139.1

NEIC 11 23:16:23.2±2.0, 18°99'S, 167°74'E, h35km, 13km, mb5.0/65, Error ellipse: s-maj=5.3km s-min=4.5km az=221.0

GCMT 11 23:16:24.2±0.2, 18°85'S, 0°02.167°50'E, 0.01, h18km, MW5.0/85, Moment Tensor Solution, s45,c52; s85,c112; Durations: 0 Moment tensor: Scale 10^16Nm; Mr-3.25±.17; Mw-0.35±.11; Ms-3.60±.12; Mn-0.98±.34; Mo-3.08±.08; Mr1.84±.23; Best double couple: Ms4.03500/1016 NP1.9±162.00000°, δ61.00000°, λ-103.00000°. NP2: φ±8.00000°, δ32.00000°, λ-68.00000°. Principal axes: T 4.1480, P1g15.0000, Azm262.0000; N -0.2260, P1g11.0000, Azm169.0000; P -3.9220, P1g71.0000, Azm43.0000; nst1a refers to body waves, cutoff=40s. nst2a refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 11 23:16:25.1±2.9, 18°92'S, 167°69'E, h49km, 26km, mb4.4/21, mb1 4.6/21, mb1mx4.5/33, mbtmp4.7/21, MS3.9/19, Ms1 3.9/19, ms1mx3.7/37, Error ellipse: s-maj=13.8km s-min=12.4km az=121.0

ISC 11 23:16:21.0±0.3, 19.03S, 0°05.167°84'E, 0.07, h20km, n294, c11/1295, mb5.0/86, MS4.0/21, 12-4S, Vanuatu Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes DZM, DZM, DZM, DZM, DZM, HNR, HNR, OUZ, RMQ, AFI, CTA, CTA, CTA, MGCD, URZ, URZ, URZ, URZ, BKZ, PMG, MTSU, BFZ, QLP, CNB, THZ, CMA, KHZ, LTZ.

Table with columns: COEN, COEN, OXZ, RPZ, RPZ, RPZ, STKA, STKA, STKA, TOO, HTT, RAR, WC2, WRAB, WRA, WRA, BB00, BB00, AS01, AS01, ASAR, ASAR, ASAR, WRKA, KNRA, FORT, FORT, TBI, FITZ, FITZ, FITZ, SJU, PPT2, PPT2, PPT2, BATI, MEK, KLBR, NWAO, MUR, MUR, VVND, VVND, SBA, LEM, MJAR, MJAR, ASAJ, KSR, NJ2, NJ2, USRK, QSPA, QSPA, PSI, WHK, PETK, PETK, PETK, ENH, GYA, GYA, GYA, PBKT, KBL, BJI, XAN, XAN, XAN, KMI, KMI, KMI, KMI, CM01, CMAR, CHTO, MAW.

11d 23h

Table with columns: Call sign, Name, Frequency, Power, Azimuth, Elevation, and other technical details. Includes stations like MAW, CD2, HHC, LZH, SYO, etc.

2012 DEC

Table with columns: Call sign, Name, Frequency, Power, Azimuth, Elevation, and other technical details. Includes stations like ILI, ILAR, ILAR, Y12C, etc.

606

Table with columns: Call sign, Name, Frequency, Power, Azimuth, Elevation, and other technical details. Includes stations like MYKA, BEBN, CWF, etc.

MOS 11 23:28:00.6: 1.0, 30.53N: 140.09E, h120km, mb4.8/56, Error ellipse: s-maj=8.1km s-min=4.2km az=106.7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and other technical details. Includes stations like JAOM, HJCH, etc.

11d 23h

Table with columns for call sign, frequency, mode, and other details. Includes stations like HSPB, KLMR, RES, ARCES, etc.

2012 DEC

Table with columns for call sign, frequency, mode, and other details. Includes stations like RYN, NC405, KVN, etc.

608

Table with columns for call sign, frequency, mode, and other details. Includes stations like KNCB, KNCB, ASAF, etc.

12d Oh

Table with columns for call sign, frequency, power, and other technical details. Includes stations like USA08, USRKR, KSRSS, etc.

2012 DEC

Table with columns for call sign, frequency, power, and other technical details. Includes stations like BILL, KMI, KXII, etc.

610

Table with columns for call sign, frequency, power, and other technical details. Includes stations like KSH, KSH, AAK, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like NVAR, FXWV, RLMT, R11A, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like LPAZ, MNMC, PB11, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BRLS, FRU1, BKB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various station identifiers like KSAR, USRKR, MDJ, JOW, KLR, etc.

MEX 12:00:57:59.70.3, 18.08N, 103.26W, h1km, MD3.5, Near coast of Michoacan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station identifiers like MMIG, EZSV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station identifiers like SPCG, SPCG, SPCG, etc.

IDC 12:01:03:48.0.2.0, 1.97N, 127.57E, h0km, mb3.8/3, mb1 3.7/4, mb1mx3.5/5.0, mbtmp3.8/3, Error ellipse: s-maj=151.6km s-min=23.6km az=67.0, Halmaera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station identifiers like WRA, ASAR, MKAR, etc.

IDC 12:01:14:47.5.2.0, 6.05S, 129.93E, h0km, mb4.0/1, mb1 3.7/4, mb1mx3.8/4.1, mbtmp3.5/4, ML3.3/3, Error ellipse: s-maj=94.6km s-min=27.4km az=76.0, Banda

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station identifiers like FITZ, FITZ, WRA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and station identifiers like ANDN, KOZT, KMRS, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like MYKA Terra Mystica, GEAO GERESS Array S, etc.

IDC 12 01:44:18.8-0.6, 19:45Sx176:18W, h0km, mb4,6/22, mb1.4, 7/24, mb1mx4,6/44, mbmtmp4,6/24, ML3,8/2, MS4,8/32, Ms1.4,8/32, ms1mx4,7/42, Error ellipse: s-maj=20.5km s-min=13.1km az=148.0

ISCJB 12 01:44:19.2-0.2, 19:64Sx176:24W:0.04, h10km, mb5,0/140, MS5,0/41, Error ellipse: s-maj=6.7km s-min=3.9km az=149.6

NEIC 12 01:44:20.7-0.1, 19:56Sx176:28W, h10km, mb5,1/119, MW5.4, Error ellipse: s-maj=8.0km s-min=3.9km az=141.0, Moment Tensor Solution, s32 Moment tensor: Scale 107Nm; Mn:0.25; Mw:1.81; Ms:1.55; Me:0.03; Mo:0.50; Mv:0.16; Best double couple: M1:80000/107 NP1: 0.307/00000; s85/00000; A177/00000 NP2: 0.307/00000; s87/00000; A5.00000 Principal axes: T 1.6400, Plg6.0000, Azm262.0000; N 0.2400, Plg84.0000, Azm69.0000; P -1.8800, Plg1.0000, Azm172.0000

GCMT 12 01:44:23.7-0.1, 19:52Sx176:25W:0.01, h18km, MW5.5/139, Moment Tensor Solution, s101,c159; s139,c253; Duration: 1s4 Moment tensor: Scale 107 Nm; Mn:-0.22±.03; Mw:2.02±.03; Ms:2.24±.03; Mv:0.51±.07; Mo:-0.58±.02; Me:0.95±.08; Best double couple: M2:42700/107 NP1:0.307/00000; s85/00000; A1.04930, Plg67.0000, Azm115.0000; P -2.1790, Plg12.0000, Azm255.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 12 01:44:20.2-0.3, 19:56Sx176:15W:0.05, h10km, mb31, s142/324, mb5,0/140, MS5,0/41, 21C, Fiji Islands region

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like NIUE Niue, AFI Afanmalu, RAR Rarotonga, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like PAE Paea, PPT2 Papeete2, PPT2 128nm,1.3s, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like USRK Utsuriysk Ar., NV11 Mina Array Sit, 214A Organ Pipe Nat, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes entries like GD2L Guadalupe Moun, SEY Seymchan, AHID Auburn Hatcher, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes entries like S41A Jillco Farms, GTA Gaotai, GTA Gaotai, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes entries like IDC 12 01:44:10.8, LUI Luwik, MRSI Marisa, etc.

s-min=7.4km az=11.5
 DJA 12 02:01:58.2,0.5,0.0,4.99E, h11km,7km, M3.5/6, ML3.5/6
 ISC 12 02:01:59.7,0.9,0.40N,0.06E,98.55E,0.07, h43km, n12, **0592/12,mb3.8/4,Northern Sumatra**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
PBSI	Pulau Batu	0.53	211	Op	02 02 09.7	-1.2
PBSI		0.41	99	P	02 02 18.7	-0.1
MNSI	Mandailing Nat	1.02	184	-0.3		
GSI	Gunungsitoli	1.32	131	P	02 02 22.8	+1.1
SISI	Saibi	1.80	163	P	02 02 29.8	+1.4
PSI	Padang Panjang	2.03	119	+0.4		
PI	Pi	3.2mm,0.3s,baz=180,slow=16,SNR=17		Pn	02 02 36.0	-0.8
PSI		comp=Z,1.96nm,20.3s,baz=94,slow=46		LR	02 03 52.7	
CMAR	Chiang Mai Arr	17.95	9	P	02 06 07.5	+1.2
ASAR	Alice Springs	41.84	127	P	02 09 45.0	-0.8
SOMN	Songino Array	47.74	7	P	02 10 32.7	+0.2
MKAR	Makanchi Array	48.35	345	P	02 10 37.0	-0.1
ZALV	Zalesovo Beam	54.56	30	P	02 11 23.0	-0.4
ARCES	ARCES Array B	83.74	340	LR	02 55 50.8	
		comp=Z,25nm,20.4s,baz=10,slow=39				

MEX 12 02:02:56.4,0.6,17.49N,95.15W, h129km,7km, MD3.9, Oaxaca

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
CMIG	Matias Romero	0.47	147	iP	02 03 13.9	-1.3
CMIG		0.23	27.2	-2.2		
VHO	Vista Hermosa	1.56	255	eP	02 03 24.0	-1.4
VHO		0.23	46.3	-1.1		
HUIG	Huatulco	1.94	208	eP	02 03 27.7	-2.1
HUIG		0.20	53.3	-1.4		
TGIG		2.06	107	-0.5		
TGIG		0.27	56.2	-1.6		

ISC 12 02:10:13.1±1.0,28.19S,75.26E, h0km, mb3.7/2, mb1 4.0/2, mb1mx3.4/2, mbmt3.7/2, MS4.6/1, Ms1 4.6/1, ms1mx3.2/3, Error ellipse: s-maj=569.4km s-min=56.6km az=31.0, Mid-Indian Ridge

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
LEM	Lembang	37.26	61	LR	02 28 05.9	
ASAR	Alice Springs	52.50	99	P	02 19 28.0	-0.3
WRA	Warramunga Arr	54.12	95	P	02 19 40.3	+0.1
YKA	Yellowknife Arr	145.09	8	PKPbc	02 29 50.3	-0.8

ISCJBJ 12 02:13:28.6,0.5,32.22N,0.04E,73.0E,0.03, h10km, Error ellipse: s-maj=5.4km s-min=4.0km az=13.6

ISN 12 02:13:29.7,1.2,32.29N,47.37E, h15km,4km, ML3.1
 TEH 12 02:13:31.3,32.35N,47.47E, h20km, ML3.4
 ISC 12 02:13:30.1,2.32,22N,0.05E,47.38E,0.04, h10km, n21, **0501/26,Iran-Iraq border region**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SHGR	Shooshtar-Gavs	1.22	97	eP	02 13 53.5	+0.4
IKFM	Kafar-mosallam	1.30	17	eP	02 13 53.8	-0.5
IKFM		comp=Z,0.0nm,0.4s		IAMB	02 14 19.6	
IBDR	Badra	1.48	305	eP	02 13 56.0	-0.7
IBDR		0.24	16.0	0.0		
IKMR	Kamar-syah	1.50	34	eP	02 13 57.8	-1.0
IKMR	Nassriya	1.65	220	eP	02 13 59.0	-0.1
NSR	Nassriya	1.65	220	eP	02 14 00.0	-0.2
IKOM	Komasi	1.90	3	eP	02 14 03.7	+1.1
IKOM		comp=Z,0.0nm,0.6s		IAMB	02 14 33.7	
KCHF	Chehshme Sefid,	2.01	352	IAMB	02 14 35.8	
KCHF		comp=Z,0.0nm,0.3s				
HSAM	Samen	2.19	28	eP	02 14 05.7	+1.5
KHMZ	Khomeyn	2.61	55	eP	02 14 07.2	+0.5
ILIN	Lien	2.66	353	eP	02 14 11.3	-1.2
ILIN		2.66	353	eP	02 14 14.0	+0.8
ILIN		comp=Z,0.645nm,0.6s		IAMB	02 15 07.4	
BHD	Baghdad	2.71	292	eP	02 14 14.0	+0.3
BHD		0.24	17.0	0.0		
HAGD	Aghdareh	2.93	30	eP	02 14 18.6	+1.7
ZNGN	Zangian	2.95	92	eP	02 14 18.3	+1.0
IPIR	Pirpir	3.00	81	eP	02 14 19.0	+1.1
IPIR		comp=E,778nm,0.7s		IAMB	02 15 14.9	
KLNJ	Kolanjah	3.81	108	eP	02 14 29.6	+0.5
KLNJ		comp=Z,0.0nm,1.0s		IAMB	02 15 46.3	
GHVR	GHOM	3.94	55	eP	02 14 28.4	-2.3
IKRK	Kirkuk	4.01	322	eP	02 14 32.0	+0.5
IKRK		0.25	19.0	+0.4		
IZEF	Zefreh	4.22	80	eP	02 14 35.8	+1.1
IZEF		comp=Z,1.08nm,0.2s		IAMB	02 14 37.3	
IRAM	Rameshsh	4.28	95	eP	02 14 36.3	+0.9
IRAM		comp=Z,0.0nm,0.2s		IAMB	02 15 35.1	
KRSH	Karshahi	4.33	66	eP	02 14 37.1	+1.0
KRSH		comp=E,0.0nm,1.0s		IAMB	02 15 56.7	
KRSH		comp=Z,0.0nm,1.0s		IAMB	02 16 01.1	
MSL	Mosul	5.42	321	eP	02 14 52.0	+1.1
MSL		comp=N,0.0nm,0.7s		eS	02 15 53.0	-0.3

ISN 12 02:15:32.0±1.3,32.28N,47.44E, h17km,7km, ML3.4
 ISCJBJ 12 02:15:34.1±0.5,32.28N,0.04E,47.37E,0.03, h23km, Error ellipse: s-maj=5.8km s-min=4.1km az=12.8
 TEH 12 02:15:35.2,32.37N,47.51E, h23km, ML3.4
 ISC 12 02:15:35.0,1.2,32,27N,0.05E,47.37E,0.04, h23km, n22, **0558/23,Iran-Iraq border region**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SHGR	Shooshtar-Gavs	1.22	97	eP	02 15 56.2	-0.5
IKFM	Kafar-mosallam	1.32	17	eP	02 15 57.4	-0.6
IKFM		comp=Z,0.0nm,0.4s		IAMB	02 16 22.6	
IBDR	Badra	1.48	305	eP	02 16 00.0	-0.2
IBDR		0.24	16.0	-0.2		
IKMR	Kamar-syah	1.51	34	eP	02 16 00.7	0.0
IKMR	Nassriya	1.65	220	eP	02 16 19.5	-0.1
IKMR		comp=Z,0.0nm,0.5s		IAMB	02 16 25.2	
NSR	Nassriya	1.63	220	eP	02 16 02.0	-0.4
NSR		0.23	23.0	+0.3		
IKOM	Komasi	1.91	3	eP	02 16 35.3	
IKOM		comp=Z,0.0nm,0.8s		IAMB	02 16 06.4	+0.1
KCHF	Chehshme Sefid,	2.02	352	IAMB	02 16 52.8	
KCHF		comp=Z,0.0nm,0.6s				
HSAM	Samen	2.20	28	eP	02 16 08.7	+0.8
HSAM		0.24	17.0	+0.6		
KHMZ	Khomeyn	2.62	55	eP	02 16 15.3	-0.9
ILIN	Lien	2.67	353	eP	02 16 17.1	+0.3
ILIN		comp=Z,1.1um,0.7s		IAMB	02 17 10.1	
BHD	Baghdad	2.71	292	eP	02 16 17.0	-0.2
BHD		0.24	17.0	0.0		
HAGD	Aghdareh	2.95	30	eP	02 16 50.0	+0.7
ZNGN	Zangian	2.96	92	eP	02 16 21.1	+0.2
ZNGN		comp=Z,0.0nm,0.7s		IAMB	02 16 33.0	
IPIR	Pirpir	3.00	81	eP	02 16 22.4	+0.9
IPIR		comp=Z,837nm,0.5s		IAMB	02 16 23.1	+0.3
ROKH	ROKH	3.10	88	eP	02 16 23.1	+0.3
ROKH		comp=Z,837nm,0.5s		IAMB	02 16 31.7	

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
ASAO	Ashtian	3.18	44	eP	02 16 22.1	-1.8
KLNJ	Kolanjah	3.81	108	eP	02 16 32.6	-0.1
KLNJ		comp=Z,0.0nm,0.3s		IAMB	02 17 24.9	
IGAR	Gharneh	3.96	87	eP	02 16 34.5	0.0
IGAR		comp=Z,643nm,0.2s		IAMB	02 16 35.0	
IKRK	Kirkuk	4.02	322	eP	02 16 35.0	-0.2
IKRK		0.25	19.0	+0.5		
IZEF	Zefreh	4.23	80	eP	02 16 38.6	+0.2
IZEF		comp=Z,364nm,0.4s		IAMB	02 16 42.0	
IRAM	Rameshsh	4.28	95	eP	02 16 39.2	+0.2
IRAM		comp=E,310nm,0.5s		IAMB	02 16 59.1	
MSL	Mosul	5.42	321	eP	02 16 54.0	-0.5
MSL		comp=Z,0.0nm,0.3s		eS	02 17 56.0	-0.2

ISC 12 02:26:40.8,1.4,6.88N,91.89E, h0km, mb3.6/5, mb1 3.8/7, mb1mx3.5/4, mbmt3.7/7, ML4.2/5, Error ellipse: s-maj=40.6km s-min=23.3km az=58.0

ISCJBJ 12 02:26:41.9,0.9,6.9N,0.1,91.8E,0.1, h23km, mb3.5/5, Error ellipse: s-maj=18.7km s-min=16.8km az=10.1

ISC 12 02:26:44.2,1.2,6.9N,0.2,91.9E,0.1, h23km, n7, **0595/47, mb3.4/5, Nicobar Islands region**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
PALK	Pallekele	11.09	273	Op	02 29 21.9	+0.3
PALK		1.3mm,0.3s,baz=116,slow=12,SNR=59		S	02 31 14.0	-1.1
CMAR	Chiang Mai Arr	13.43	30	Pn	02 29 54.2	+0.6
MKAR	Makanchi Array	40.63	350	P	02 34 21.8	-0.7
SOMN	Songino Array	42.67	14	P	02 34 39.0	-0.3
ZALV	Zalesovo Beam	47.49	35	P	02 35 15.5	-0.3
WRA	Warramunga Arr	49.55	123	P	02 35 33.6	-0.1
ASAR	Alice Springs	51.04	128	P	02 35 45.1	+0.1
ASAR		comp=Z,0.3s,baz=308,slow=7,SNR=5.2				

ISC 12 02:27:05.4,1.2,37.74N,144.31E, h0km, mb3.6/4, mb1 3.8/5, mb1mx3.5/45, mbmt3.6/5, ML3.5/1, Error ellipse: s-maj=30.9km s-min=25.2km az=119.0

ISCJBJ 12 02:27:06.9,0.8,37.97N,0.0,144.27E,0.06, h33km, mb3.7/4, Error ellipse: s-maj=6.5km s-min=5.7km az=169.5

JMA 12 02:27:08.9,0.2,37.90N,144.11E, h42km, MS3.6
 ISC 12 02:27:09.8,1.1,37.99N,0.05,144.21E,0.07, h35km, n21, **0581/34, mb3.6/4, Off east coast of Honshu**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
JKHK	Ishinomakikubu	2.19	279	eP	02 27 43.0	-0.7
JKHK		0.28	68.0	-1.6		
OFJU	Ofunato	2.27	299	eP	02 27 44.1	0.1
OFJU		0.28	113.0	-0.3		
JJO	Jio	2.30	282	eP	02 27 44.9	-0.4
JJO		0.28	112.0	-1.2		
JKMT	Kesennumamotoy	2.30	292	eP	02 27 44.9	-0.4
JKMT		0.28	117.0	-0.6		
JMK	Ichinoseki	2.54	293	eP	02 27 48.7	+0.2
JMK		0.28	183.0	+0.2		
JOM	Ohasama	2.72	304	eP	02 27 52.1	+1.1
JOM		0.28	237.0	+1.0		
JJK	Kaneyama	3.16	288	eP	02 27 57.8	+0.7
JJK		0.28	147.0	+1.1		
JYK	Nango	3.17	319	eP	02 28 33.4	-0.4
JOT	Ohaia	4.17	325	eP	02 28 56.7	-1.8
BSO1	Boso 1	4.24	219	P	02 28 09.3	-2.1
BSO1		0.28	57.0	-2.6		
JKB	Kayabe	4.59	329	eP	02 28 08.4	-0.4
JCH	Churui	4.66	352	eP	02 28 17.4	-0.3
JCH		0.28	108.0	-2.4		
JRY	Ryugami san	4.69	247	eP	02 28 17.1</	

12d 4h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BRDH, CMAR, MKAR, KURBS, WRA, ARCES, ASAR, NOA.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHTO, CMMT, CMMT, PAYA, CMAR, LAMP, LAMP, NANT, UTHA, MKAR, ASAR.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FITZ, WRA, ASAR, MKAR.

ISCJB 12 03:30:13.6:0.3, 35.63N:103.96:77W:0.02, h10km, Error ellipse: s-maj=4.3km s-min=2.6km az=163.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TUL1, X37A, WMOK, HHAR, W39A, MIAR, U40A, X40A, KSU1, WHTX, X41A, WHAR, UALR, W41B, W41B, ABTX, V41A.

2012 DEC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like V41A, Y41A, Z41A, CBKS, U41A, AMTX, NATX, W42A, T41A, X42A, V42A, Y42A, S41A, U42A, 435B, T42A, T42A, T42A, R41A, MSTX, U43A, R42A, Q41A, P41A.

ISC 12 03:46:08.9:2.1, 10.88S:120.52E, h0km, mb3.4/1, mb1 3.6/4, mb1mx3.4/36, mbtmp3.4/4, ML3.3/3, Error ellipse: s-maj=168.0km s-min=25.4km az=53.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WBSI, PLAI, EDFI, SOEI, FITZ, WRA, ASAR, MKAR.

ISC 12 03:57:35.3:5.3, 44.53N:132.73E, h0km, Error ellipse: s-maj=29.5km s-min=9.7km az=58.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like USRK, I45RU, I30JP.

ISC 12 03:23:29.2:6.1, 16.39S:175.27W, h181km, 59kgm, mb3.5/3, mb1 3.8/4, mb1mx3.3/35, mbtmp4.1/4, Error ellipse: s-maj=291.4km s-min=24.2km az=142.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AFI, WRA, ASAR, ILAR.

ISC 12 04:06:28.8:6.1, 28.91S:174.72E, h0km, mb3.6/3, mb1 3.9/5, mb1mx3.5/40, mbtmp3.6/3, Error ellipse: s-maj=214.4km s-min=37.9km az=41.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ASAR, WRA, YKA.

ISC 12 04:10:08.0:15.0, 28.31S:75.15E, h0km, mb3.8/2,

616

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ASAR, WRA, YKA.

NIED 12 04:17:00.37:80N:143:60E, h11km, Mw3.9 Best double couple: M7.610000:1014 NP1:44.00000: 872.00000, lambda-7.00000, NP2:136.00000, 883.00000, lambda-162.00000

ISCJB 12 04:17:57.1:0.3, 37.82N:105.143:58E:0.07, h19km, mb3.5/2, MS3.0/2, Error ellipse: s-maj=8.7km s-min=7.4km az=23.4

JMA 12 04:17:58.6:0.1, 37.76N:143:56E, h51km, M4.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JIKH, JIO, JKMT, OFUJ, JMK, JOM, JFT, JYK, JANG, JAG, JRY, JOT, MJAR, MJAR, MAT, ASAJ, JNU, KSR5, KLR, MA2, H1N2, H1N1, H1N3, MKAR, WRA, NOA.

ISC 12 04:20:20.5:8.0, 28.49S:75:08E, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.5/45, mbtmp3.8/3, Error ellipse: s-maj=225.2km s-min=39.5km az=40.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like H01W2, H01W3, H01W1, ASAR, WRA, MKAR, YKA.

MEX 12 04:20:35.8:0.5, 16.05N:98:56W, h2km, 3kgm, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PNIG, TLIG, TLIG.

ISC 12 04:26:59.6:2.7, 6:58S:130:02E, h130km, 36kgm, mb4.1/1, mb1 4.1/5, mb1mx3.5/39, mbtmp4.4/5, Error ellipse: s-maj=68.2km s-min=20.3km az=89.0

ISCJB 12 04:27:00.1:0.7, 6:44S:104:130:16E:0.09, h146km, mb4.3/1, Error ellipse: s-maj=12.5km s-min=5.9km az=9.2

DJA 12 04:27:03.1:0.7, 6:5:3:130E, h102km, 30kgm, M4.4/6, mb4.2/4, mb5.1/3, MLV4.5/6, MWMV4.5/3

ISC 12 04:27:00.8:0.9, 6:43S:105:130E:0.1, h146km, n10, az=22/14, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SAUI, FAKI, SIJI, SWI, SOEI, BATI, FITZ, WRA, MKAR.

NNC 12 04:38:47.1:2.1, 37:17N:69:41E, h0km, mb3.8, mpv3.5, 6C-1D, Error ellipse: s-maj=29.7km s-min=15.9km az=125.0, Afghanistan-Tajistan border region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KK31 Karatay Array, KK31 3.0m, 0.5s, bazz=194, slow=15, SNR=42, AAK Ala-Archa, AAK 5.5m, 0.6s, AAK 4.1m, 0.7s, AAK 4.5m, 0.7s, TKM2 Tokmak 2, TKM2 2.3m, 0.6s, TKM2 3.8m, 1.1s.

IDC 12 04:38:48.8±2.7, 6.65S, 129°86'E, h142km, m3.6/1, mb1 3.5/5, mb1mx3.2/4.3, mbtmp3.9/5, MS3.7/1, Ms1 3.7/1, ms1mx2.5/3.4, Error ellipse: s-maj=64.7km s-min=20.0km az=89.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SMJI Sorong, SMJI 3.6m, 0.3s, bazz=213, slow=22, SNR=20, FITZ Fitzroy Crossi, FITZ 3.7m, 0.3s, bazz=239, slow=23, SNR=8.7, FITZ 0.7m, 0.3s, bazz=20, slow=11, SNR=24, WRA Warramunga Arr, WRA 0.5m, 0.3s, bazz=86, slow=24, SNR=4.9, WRA 0.5m, 0.3s, bazz=348, slow=13, SNR=19, WRA 0.5m, 0.3s, bazz=336, slow=22, SNR=5.7, ASAR Alice Springs, ASAR 0.2m, 0.3s, bazz=349, slow=12, SNR=14, URZ Urewera, URZ 53.00 134 LR, MKAR Makanchi Arr, MKAR 0.6m, 0.4s, bazz=113, slow=8.0, SNR=11.

IDC 12 04:40:56.9±17.0, 28°35'S, 75°13'E, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.5/4.1, mbtmp3.7/3, Error ellipse: s-maj=579.5km s-min=44.7km az=45.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, H01W1 Cape Leeuwin H, ASAR Alice Springs, WRA Warramunga Arr, MKAR Makanchi Arr.

IDC 12 04:46:50.6±3.2, 29°15'S, 74°41'E, h0km, mb4.0/5, mb1 4.2/5, mb1mx3.7/3.9, mbtmp4.0/5, MS3.3/1, Ms1 3.5/1, ms1mx2.6/3.4, Error ellipse: s-maj=103.5km s-min=32.2km az=44.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, H01W1 Cape Leeuwin H, CMAR Chiang Mai Arr, CMAR 1.1m, 0.4s, bazz=201, slow=7.6, SNR=4.9, WRA Warramunga Arr, MKAR Makanchi Arr, ZALV Zalesovo Beam, YKA Yellowknife Arr.

MEX 12 04:50:26.1±5.7, 17°31'N, 101°22'W, h1km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ZIIG Zihuatajejo, ZIIG 1.1m, slow=12, ARIG Puente Sto Nin, MEIG Mezcala, PLIG Platanillo.

IDC 12 05:27:16.8±1.4, 28°95'S, 74°61'E, h0km, mb4.0/7, mb1 4.2/7, mb1mx3.7/4.3, mbtmp4.0/7, Error ellipse: s-maj=47.3km s-min=26.3km az=67.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, H01W1 Cape Leeuwin H, ASAR Chiang Mai Arr, ASAR Alice Springs, WRA Warramunga Arr, VVDA Vanda, MKAR Makanchi Arr, SONMI Songino Array, ZALV Zalesovo Beam, YKA Yellowknife Arr.

NIED 12 05:30:00, 38°00'N, 144°10'E, h5km, Mw3.5 Best double couple: M2 31000±1014 NP1±352, 00000±; R35, 00000±, 1-70, 00000±. NP2±148, 00000±, 857, 00000±, 1-103, 00000±.

IDC 12 05:30:35.2±2.4, 37°86'N, 144°51'E, h0km, mb3.8/4, mb1 3.9/5, mb1mx3.5/3.7, mbtmp3.8/5, MS3.5/1, MS2.6/3, Ms1 2.6/3, ms1mx2.3/3.4, Error ellipse: s-maj=69.2km s-min=26.1km az=63.0

JMA 12 05:30:40.0±1.5, 37°98'N, 0°05:144°26'E, 0°07, h41km, M3.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JIKH Ishinomakikobu, JIKH 2.23 279 P, OFUJ Ofunato, OFUJ 2.31 299 P, JKMT Kesennumototy, JKMT 2.34 292 P, JIO Ouri, JIO 2.34 283 P, JMK Ichinoseki, JMK 2.57 293 P, JOM Ohasama, JOM 2.75 304 P, JOT Otama, JOT 2.14 263 eS, JANG Nango, JANG 3.20 319 P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JYK Kaneyama, JYK 2.02 288 P, JOT Ohata, JOT 4.20 325 P, BSO1 Boso 1, BSO1 4.25 220 P, JKB Kayabe, JKB 4.62 329 P, JCH Churui, JCH 4.68 352 P, JRY Ryogami san, JRY 4.71 247 P, MJAR Matsushiro Arr, MJAR 5.05 255 P, MJAR 1.8m, 0.3s, bazz=56, slow=15, SNR=6.7, MAT Matsushiro, MAT 5.04 255 P, JMT MAT, JMT 0.52 329 P, NEM2 Nemuro 2, NEM2 5.50 11 P, JTKR Abashiri-Toko, JTKR 5.99 358 P, JTKR 11.92 250 LR, KSR5 Korea Array, KSR5 12.95 273 LR, MKAR Makanchi Arr, MKAR 45.54 302 P, KURBB Kurchatov Arr, KURBB 47.21 308 P, WRA Warramunga Arr, WRA 58.37 191 P, ASAR Alice Springs, ASAR 62.09 191 P.

ISCJB 12 05:44:25.9±1.1, 37°79'N, 0°06:143°67'E, 0°08, h19km, mb3.5/2, Error ellipse: s-maj=9.4km s-min=7.3km az=35.1

JMA 12 05:44:27.0±0.2, 37°77'N, 143°69'E, h45km, M3.7

IDC 12 05:44:28.9±1.7, 38°78'N, 142°39'E, h0km, mb3.3/2, mb1 3.6/3, mb1mx3.2/4.9, mbtmp3.3/3, MS3.0/1, Error ellipse: s-maj=22.9km az=12.0

ISC 12 05:44:28.8±1.6, 37°87'N, 0°07:143°61'E, 0°08, h19km, n15, 1°180/21, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JIKH Ishinomakikobu, JIO Ouri, JKMT Kesennumototy, OFUJ Ofunato, JMK Ichinoseki, JOM Ohasama, JFT Otama, JYK Kaneyama, JYK Nango, JAG Asakiga, JANG Nango, JRY Ryogami san, MJAR Matsushiro Arr, JCH Churui, ILAR Eielson Array, WRA Warramunga Arr.

ISCJB 12 05:51:19.5±0.4, 6°59'S, 0°04:147°46'E, 0°06, h3km, mb4.7/25, Error ellipse: s-maj=8.6km s-min=6.1km az=174.8

NEIC 12 05:51:21.8±1.0, 6°63'S, 147°50'E, h73km, mb4.4/12, Error ellipse: s-maj=9.9km s-min=8.4km az=105.0

IDC 12 05:51:22.1±1.8, 6°61'S, 147°41'E, h70km, mb4.1/9, mb1 4.3/14, mb1mx3.9/4.0, mbtmp4.1/4, MS3.0/4, Ms1 3.0/4, ms1mx2.7/2.4, Error ellipse: s-maj=19.4km s-min=12.1km az=85.0

DJA 12 05:51:24.0±1.2, 7°S, 7°14'7E, 1.4, h74km, 7km, M4.8/12, MB5.4/3, mb4.7/12, MLV4.9/2, Mw(mb)4.8/3

ISC 12 05:51:21.1±0.6, 6°59'S, 0°06:147°44'E, 0°08, h63km, n53, 1°134/58, mb4.6/25, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PMG Port Moresby, PMG 76m, 0.3s, bazz=20, slow=8.1, SNR=52, RAB Rabaul, RAB 5.27 63 eP, JAY Jayapura, JAY 7.84 301 P, COEN Coen, COEN 8.44 209 eP, HNR Honiara, HNR 12.70 104 LR, CTA Charters Tower, CTA 13.46 185 P, FAKI Fak Fak, FAKI 15.57 283 eP, SJJI Sorong, SJJI 17.11 289 P, WRAB Tennant Creek, WRAB 18.37 223 eP, WB2 Warramunga Arr, WB2 18.38 223 eP, WR1 Warramunga Arr, WR1 18.38 223 eP, WRA Warramunga Arr, WRA 18.38 223 P, AS01 Alice Springs, AS01 21.36 216 eS, AS31 Alice Springs, AS31 21.39 216 eS, AS31 6.0m, 0.6s, SOEI Soe, SOEI 23.15 261 eP, BATI Baumata, BATI 23.79 260 P, DZM Mont Dzumac, DZM 23.95 132 P, FITZ Fitzroy Crossi, FITZ 24.14 240 P, FITZ 1.3m, 0.6s, bazz=54, slow=13, SNR=56, JYK Kaneyama, JYK 25.21 282 eP, EDFI Ende Flores, EDFI 25.61 264 P, STKA Stephens Creek, STKA 25.74 192 P, STKA 2.6m, 0.4s, bazz=353, slow=9.6, SNR=8.4, MRSI Marisa, MRSI 26.40 284 P, BBSO Buckleboe, BBSO 28.15 201 eP, KAAO Kara Arr, KAAO 47.46 339 LR, IPM Ipoh, IPM 47.62 282 eP, KCSI Kotacane, KCSI 50.59 280 P, SHET Sheng Krachan, SHET 51.30 292 P, PRD Prad, PRD 52.25 294 P, UTHA Uthaitani, UTHA 52.38 295 P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include UMPA Umpang Tak, CM01 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, PPT Papeete, VVDA Vanda, MK32 Makanchi Arr, MKAR Makanchi Arr, ZALV Zalesovo Beam, ZAA1 Zalesovo Arr, NIL Nilore, RSO Redoubt South, QSPA South Pole Qui, BWN Browne, VCNR Virginia City, TOAO Torodi Arr, TOAO Torodi Arr, TOAO Torodi Arr, TOAO Torodi Arr, TOA1 Torodi Arr.

ISCJB 12 05:54:45.2±0.5, 22°19'N, 0°02:121°21'E, 0°02, h1km, 4km, Error ellipse: s-maj=3.9km s-min=3.8km az=7.2

JMA 12 05:54:46.3±0.2, 22°25'N, 121°00'E, h34km, M3.8

TAP 12 05:54:46.9±2.2, 22°19'N, 121°02'E, h12km, ML3.8, B

ISC 12 05:54:45.2±1.2, 22°19'N, 0°03:121°12'E, 0°03, h7km, gkm, 1°179, 0°08/11, 10C-30, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TAW Tawu, TAW 0.27 309 iS, EAST Anshuo, EAST 0.32 308 iS, TWKB Hengchun, TWKB 0.38 230 iS, TWKB Hengchun, TWKB 0.38 231 iS, TWK1 Hengchun, TWK1 0.38 231 iS, TWK1 Hengchun, TWK1 0.38 231 iS, HEN Hengchun, HEN 0.40 243 eP, HEN Lan-yu, HEN 0.42 110 iS, ECL Taimali, ECL 0.44 339 P, ECL 0.45 363 ±2.1, SCZT Fangliang, SCZT 0.50 292 iS, TTN Taitung, TTN 0.57 2 eP, MASBT Mashbuluo, MASBT 0.62 313 iS, MASBT 0.62 318 S, TWGBT Beinan, TWGBT 0.63 356 iS, TWGBT 0.63 356 iS, TWG Pinlang, TWG 0.64 356 iS, TWG 0.64 356 iS, WLCH Luquji, WLCH 0.71 284 eP, SSD Sandimen, SSD 0.72 321 iS, SSD 0.72 321 iS, TWP Hsiaoiluechiu, TWP 0.72 283 iS, SGLT Jioulu, SGLT 0.79 313 eP, SGLT 0.79 313 eP, KAU Kaoshiung, KAU 0.84 297 eP, TWMT Shoushan, TWMT 0.91 315 P, SLGT Luquji, SLGT 0.92 331 iS, CHKT Chengkung, CHKT 0.94 14 eP, ELDTW Lidau, ELDTW 1.00 354 eP, FULB Ful, FULB 1.02 9 eP, SGST Jiashian, SGST 1.02 331 eP, SGST 1.02 331 eP, CHN1 Nanshi, CHN1 1.14 331 iS, CHN1 1.14 331 iS, WTP Ta-pu, WTP 1.16 336 eP, WTP 1.16 336 eP, TWFI Yuli, TWFI 1.17 8 eP, TPUB Ta-pu, TPUB 1.20 338 eP, TPUB 1.20 338 eP, YULB Yu-li, YULB 1.21 8 eP, TWK Hsingning, TWK 1.23 332 P, TWK 1.23 332 P, CHN4 Tsauhan, CHN4 1.26 337 eP, CHN4 1.26 337 eP, YUS Yu-Shan, YUS 1.31 353 eP, YUS 1.31 353 eP, EHD Hungye, EHD 1.33 8 eP, HGH Ruisui, HGH 1.33 12 eP, CHY Chiayi, CHY 1.46 334 eP, CHN5 Tsang, CHN5 1.46 344 eP, CHN5 1.46 344 eP, CHN2 Minsihung, CHN2 1.47 336 eP, EGFH Guangfu, EGFH 1.50 11 eP, VVDT Vanda, VVDT 1.56 1 eP, WDLH Douliu, WDLH 1.59 340 eP, SSSL Suanglung, SSSL 1.60 354 eP, ESL Shilin, ESL 1.65 10 eP, WJS Zhushan, WJS 1.67 347 eP, SMLT Sun Moon Lake, SMLT 1.70 353 eP.

12d 11h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga, ASAR Alice Springs, MKAR Makanchi Array.

ISCJB 12 11:01:39.70,0.6,28.75Sx176.73W,h0km,mb4.4/8, mb1 4.6/8, mb1mx3.9/30, mbtmp4.4/8, MSJ=0/20, Ms1 4.0/20, ms1mx3.9/30, Error ellipse: s-maj=128.0km s-min=17.5km az=149.0

ISCJB 12 11:01:43.70,0.3,29.00Sx176.81W,0.08,h36km, mb4.7/34, MS4.1/16, Error ellipse: s-maj=11.5km s-min=5.0km az=39.3

NEIC 12 11:01:44.90,0.1,28.96Sx176.75W,h35km,mb4.7/27, mb1 4.6/8, mb1mx3.9/30, mbtmp3.8/10, ML2.6/1, MS3.4/5, Ms1 3.9/5, ms1mx2.8/39, Error ellipse: s-maj=33.6km s-min=16.3km az=22.0

NEIC 12 10:58:29.0,0.2,54.13Nx149.9W,h10km,mb4.6/28, Error ellipse: s-maj=7.1km s-min=4.5km az=0.0

ISC 12 10:58:29.5,0.5,54.22N:0.1:35.04W,0.07,h14km,n64, o591/62,mb4.6/34,MS3.4/5,Reykjanes Ridge

Main table of station data for the 12d 11h period, including stations like ANGG Ammassalik, WRA Warramunga, ASAR Alice Springs, MKAR Makanchi Array, etc.

KRSC 12 11:01:12.4:1.3,5073N-157.77E,h40km,17km,ML3.6, Kuril Islands

Table of station data for Kuril Islands, including stations like PAU Pauzhetka, SKR Severo-Kuril's, KDTR Khodutka, etc.

2022 DEC

Table of station data for 2022 DEC, including stations like APC Apacha, PET Petropavlovsk, DALK Dalny, etc.

ISC 12 11:01:39.70,0.6,28.75Sx176.73W,h0km,mb4.4/8, mb1 4.6/8, mb1mx3.9/30, mbtmp4.4/8, MSJ=0/20, Ms1 4.0/20, ms1mx3.9/30, Error ellipse: s-maj=128.0km s-min=17.5km az=149.0

ISCJB 12 11:01:43.70,0.3,29.00Sx176.81W,0.08,h36km, mb4.7/34, MS4.1/16, Error ellipse: s-maj=11.5km s-min=5.0km az=39.3

NEIC 12 11:01:44.90,0.1,28.96Sx176.75W,h35km,mb4.7/27, mb1 4.6/8, mb1mx3.9/30, mbtmp3.8/10, ML2.6/1, MS3.4/5, Ms1 3.9/5, ms1mx2.8/39, Error ellipse: s-maj=33.6km s-min=16.3km az=22.0

NEIC 12 10:58:29.0,0.2,54.13Nx149.9W,h10km,mb4.6/28, Error ellipse: s-maj=7.1km s-min=4.5km az=0.0

ISC 12 10:58:29.5,0.5,54.22N:0.1:35.04W,0.07,h14km,n64, o591/62,mb4.6/34,MS3.4/5,Reykjanes Ridge

Main table of station data for 2022 DEC, including stations like RAO Raoul Island, MXZ Matakoaka Point, URZ Urewera, etc.

KRSC 12 11:01:12.4:1.3,5073N-157.77E,h40km,17km,ML3.6, Kuril Islands

Table of station data for Kuril Islands, including stations like NV01 Mina Array, NVAR Mina Array, etc.

624

Table of station data for 624, including stations like LCMT Little Creek M, U15A North Rim, KNB Kanab, etc.

ISC 12 11:01:39.70,0.6,28.75Sx176.73W,h0km,mb4.4/8, mb1 4.6/8, mb1mx3.9/30, mbtmp4.4/8, MSJ=0/20, Ms1 4.0/20, ms1mx3.9/30, Error ellipse: s-maj=128.0km s-min=17.5km az=149.0

ISCJB 12 11:01:43.70,0.3,29.00Sx176.81W,0.08,h36km, mb4.7/34, MS4.1/16, Error ellipse: s-maj=11.5km s-min=5.0km az=39.3

NEIC 12 11:01:44.90,0.1,28.96Sx176.75W,h35km,mb4.7/27, mb1 4.6/8, mb1mx3.9/30, mbtmp3.8/10, ML2.6/1, MS3.4/5, Ms1 3.9/5, ms1mx2.8/39, Error ellipse: s-maj=33.6km s-min=16.3km az=22.0

NEIC 12 10:58:29.0,0.2,54.13Nx149.9W,h10km,mb4.6/28, Error ellipse: s-maj=7.1km s-min=4.5km az=0.0

ISC 12 10:58:29.5,0.5,54.22N:0.1:35.04W,0.07,h14km,n64, o591/62,mb4.6/34,MS3.4/5,Reykjanes Ridge

Main table of station data for 624, including stations like RAO Raoul Island, MXZ Matakoaka Point, URZ Urewera, etc.

KRSC 12 11:01:12.4:1.3,5073N-157.77E,h40km,17km,ML3.6, Kuril Islands

Table of station data for Kuril Islands, including stations like NV01 Mina Array, NVAR Mina Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization. Includes stations like IPOC Station P, Yonagunijimaku, Yonaguni jima, etc.

TAP 12 11:31:53.5, 24.42N, 122.80E, h87km, ML3.7, C
JMA 12 11:31:53.9, 0.1, 24.40N, 122.74E, h83km, 1km, M3.4
ISCJB 12 11:31:54.0, 0.4, 24.44N, 0.03, 122.78E, 0.02, h81km, 4km,
Error ellipse: s-maj=4.7km s-min=2.3km az=180.0
ISC 12 11:31:54.5, 1.3, 24.44N, 0.04, 122.77E, 0.02, h80km, 7km,
n87, c0581/135, 1C, Taiwan region

Main table for 625 page containing station data for various regions including Taiwan, Japan, and others. Columns include Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization.

Table for 2012 DEC page containing station data for various regions including Oceania, Asia, and others. Columns include Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization.

MEX 12 11:35:56.7±0.3, 15.70N, 94.04W, h77km, 5km, MD3.8
Near coast of Oaxaca

Table for MEX 12 11:35:56.7±0.3, 15.70N, 94.04W, h77km, 5km, MD3.8. Columns include Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization.

IDC 12 11:52:27.7, 7.4, 34.94S, 177.41E, h351km, 98km, mb2.7/2,
mb1 3.0/3, mb1mx2.8/31, mbtpm3.5/3, Error ellipse:
s-maj=201.8km s-min=38.3km az=3.0
WEL 12 11:52:32.8, 36.3, 5.16, 177.7E, h435km, 28km
ISCJB 12 11:52:33.0, 0.9, 36.50S, 0.07, 177.2E, 0.1, h426km, 6km,
mb2.9/2, Error ellipse: s-maj=15.1km s-min=10.2km
az=158.5

ISC 12 11:52:33.9, 1.2, 36.50S, 0.10, 177.1E, 0.1, h417km, 7km,
n120, c124/126, Off east coast of North Island

Table for ISC 12 11:52:33.9, 1.2, 36.50S, 0.10, 177.1E, 0.1, h417km, 7km, n120, c124/126, Off east coast of North Island. Columns include Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization.

Table for 12d 12h page containing station data for various regions including Oceania, Asia, and others. Columns include Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization.

JMC 12 11:58:55.9, 0.2, 37.61N, 143.50E, h54km, M3.2
JDC 12 11:59:02.2, 1.9, 38.10N, 142.65E, h0km, mb3.5/2,
mb1 3.6/4, mb1mx3.3/38, mbtpm3.5/4, ML3.2/2, Error
ellipse: s-maj=55.5km s-min=33.2km az=96.0
ISC 12 11:58:51.3, 3.3, 37.61N, 0.06, 143.6E, 0.1, h6km, 23km,
n20, c222/30, Off east coast of Honshu

Table for JMC 12 11:58:55.9, 0.2, 37.61N, 143.50E, h54km, M3.2, JDC 12 11:59:02.2, 1.9, 38.10N, 142.65E, h0km, mb3.5/2, mb1 3.6/4, mb1mx3.3/38, mbtpm3.5/4, ML3.2/2, Error ellipse: s-maj=55.5km s-min=33.2km az=96.0, ISC 12 11:58:51.3, 3.3, 37.61N, 0.06, 143.6E, 0.1, h6km, 23km, n20, c222/30, Off east coast of Honshu. Columns include Code, Station Name, Azimuth, Elevation, Frequency, Polarization, Azimuth, Elevation, Frequency, Polarization.

12d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YJM2 Yakumo 2, JNB Noboribetsu, JIAM Iburatsuma, etc.

IDC 12 15:04:47.6.7.0, 19:04S:177.33W, h0km, mb3.8/3, mb1.4/1.3, mb1mx3.7/3.4, mbtmp3.8/3, Error ellipse: s-maj=302.8km s-min=36.2km az=144.0, F11J Islands region

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

ARCJ 12 15:45:20.7, 10°N, 133°41'E, 1.6, h16km, 74km, M13.9, IRO 12 15:45:24.1, 1.1, 10°3N, 0.3-41.4E, 0.2, h10km, Error ellipse: s-maj=44.8km s-min=5.3km az=146.4

EA 12 15:45:25.7, 7.2, 10°41'N, 41°25'E, h0km, 54km, ISC 12 15:45:22.0, 1.3, 10°22'N, 0.2-41.3E, 0.2, h10km, n14, r124/23, Ethiopia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GBR Grand-Bara, SGH Sud-Ghoubbet, LDLD Lac de Lave, etc.

SJA 12 15:48:42.3, 0.8, 28°05'S, 71°34'W, h14km, 44km, ML3.3, MW3.2

ISCJB 12 15:48:45.3, 2.0, 28°04'S, 0°06'71.08W, 0.1, 10, h13km, 16km, Error ellipse: s-maj=16.3km s-min=6.5km az=31.3

GUC 12 15:48:47.0, 0.6, 28°19'S, 70.64W, h14km, 44km, ML3.5, ISC 12 15:48:44.9, 2.0, 28°04'S, 0°05'70.98W, 0.08, h6km, 13km, n9, r131/17, 1C-1D, Central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like G003 Copiap, LCO Las Campanas, LSCH La Serena, etc.

ANF 12 15:49:49.7, 1.5, 40°55'N, 124°27'W, ML3.0/1.0, Error ellipse: s-maj=13.9km s-min=4.8km az=60.0

NEIC 12 15:49:50.0, 0.0, 40°30'N, 124°50'W, h20km, MW3.5(BRK), After NCEDC.

NEIC Felt [I] at Ferdale, Fortuna and Petrolia. Also felt at Eureka and Whitehorn.

NCEDC 12 15:49:50.0, 40°30'N, 124°50'W, h20km, MW3.5, ISC 12 15:49:47.3, 2.0, 40°30'N, 0.04-124.70W, 0.09, h2km, 15km, n59, r105/65, Near coast of northern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JCC Jacoby Creek, KMRM Mali Ridge, KHRM Horse Mountain, etc.

2012 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GDXM Geysers, O03E Paynes Creek, O03E baz=271, NMTM Middletown, etc.

NIED 12 16:02:00, 36°60'N, 141°00'E, h56km, Mw3.7 Best double couple: M4.46000x1014 NP1:195.00000, s30.00000, 1.47.00000. NP2:162.00000, s69.00000, 1.12.00000.

ISCJB 12 16:02:54.0, 0.7, 36°62'N, 0°14'11.06E, 0.08, h49km, 5km, mb3.7/9, Error ellipse: s-maj=10.3km s-min=5.8km az=13.3

JMA 12 16:02:55.7, 36°63'N, 140°96'E, h49km, 1km, M4.0 Broadband flat plane solution: P waves. NP1: 0.69.00000, s57.00000, 1.11.00000. NP2: 0.204.00000, s42.00000, 1.54.00000. Principal axes: T Plg65.0000, Azm32.0000, N Plg24.0000, Azm233.0000, P Plg8.0000, Azm139.0000.

JMA Felt III J1, IDC 12 16:02:57.2, 8.36:57N:140:96E, h63km, 26km, mb3.5/9, mb1.3/6/11, mb1mx3.4/5.4, mbtmp3.8/11, ML3.5/2 Error ellipse: s-maj=23.6km s-min=11.6km az=58.0

ISC 12 16:02:54.3, 1.8, 36:64N:0:04:11.07E:0:08, h30km, 12km, n27, r0868/30, mb3.8/9, 2C-4D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHO Hitachi, JHO Hitachinakyahy, JHYU Hitachinakyahy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAJ Ashikawa, SONM Songino Array, H11N WAKE ISLAND Hy 28.18 120 T, etc.

IDC 12 16:06:01.1, 1.7, 0°23'N, 125°61'E, h0km, mb3.9/4, mb1.4/1.4, mb1mx3.6/3.4, mbtmp3.9/4, MS3.1/1, Ms1 3.1/1, ms1mx2.4/3.2, Error ellipse: s-maj=179.9km s-min=22.6km az=64.0

DJA 12 16:06:04.7, 0.5, 1°N, 6°12'12.6E, h10km, M3.97, mb4.2/2, ISCJB 12 16:06:05.0, 0.9, 0°6'N, 0.1:126°34E:0:07, h47km, mb3.9/4, Error ellipse: s-maj=15.5km s-min=10.4km az=176.2

ISC 12 16:06:05.7, 1.0, 0°6'N, 0.1:126°35E:0:07, h47km, n12, r227/11, mb3.9/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate, KMSI Cibong, SANI Sanana, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like APSI Ampana, BNSI Bone, SPSI Sidrap Palu, etc.

ISCJB 12 16:13:36.9, 1.2, 41°96'N, 0°05'41.09E, 0.05, h9km, 6km, Error ellipse: s-maj=7.9km s-min=6.0km az=170.2

ISK 12 16:13:36.9, 41°95'N, 41°13'E, h14km, ML2.6/5, ISC 12 16:13:38.2, 1.4, 41°94'N, 0°06'41.19E, 0.05, h22km, 14km, n11, r056/21, Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BCCA Borcka, DBOC Borcka, CHOM Cayelli-Rize, etc.

MEX 12 16:41:47.5, 0.3, 16°06'N, 96°98'W, h44km, 3km, MD3.7, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PANG Puerto Angel, HUG Huatulco, OXBJ Oaxaca, etc.

CNRM 12 16:46:57.2, 36°80'N, 8°31'W, h5km, ML2.9, IGL 12 16:47:00.3, 37°02'N, 8°33'W, h27km, ML3.1

SFS 12 16:47:00.0, 37°10'N, 8°30'W, h24km, ML2.9, ALBUFERA (PORTUGAL)

MDD 12 16:47:00.1, 0.4, 37°04'N, 8°35'W, h31km, 6km, mbLg3.2/30, Error ellipse: s-maj=5.4km s-min=3.3km az=17.0, PFXIMO

INMG 12 16:47:00.1, 4.4, 37°03'N, 8°34'W, h26km, 3km, MD2.7, ML2.8, Error ellipse: s-maj=2.4km s-min=1.9km az=59.0

ISC 12 16:46:58.1, 1.2, 37°00'N, 0°03'834W, 0.03, h45km, 8km, n97, r201/168, 12C-5D, Portugal

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Barrancos, Lisbon-Monsan, GIBL, PESTR, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like mb3.6/6, MS3.0/1, ANF, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KMBO Kilima Mbogo, ARS Arzberg, CLL Collin, etc.

ISCJB 12 19:05:33.9, 0.3, 43.80N, 0.02, 105.17W, 0.04, h0km, mb4.0/3, MS3.1/1, Error ellipse: s-maj=4.3km s-min=3.4km az=14.5

IDC 12 19:05:33.0, 2.3, 43.51N, 105.19W, h0km, mb3.9/3, mb1.3/0.6, mb1mx3.5/3.8, mbtmp3.7/6, ML3.4/3, MS3.1/3, Ms1.3/0.3, ms1mx2.5/4.1, Error ellipse: s-maj=5.7km s-min=8.8km az=153.0

NEIC 12 19:05:35.0, 0.3, 43.83N, 105.16W, h0km, ML3.5, MN2.9, Error ellipse: s-maj=4.1km s-min=3.5km az=103.0, Suspected Mining explosion.

NEIC 57 km [36 miles] SSE of Gillette. ANF 12 19:05:35.1, 0.5, 43.79N, 105.28W, ML3.5/10, Error ellipse: s-maj=6.9km s-min=4.4km az=114.0, h0km, n85, +r180/85, mb4.0/3, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RSSD Black Hills, K22A Casper, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OGNE Ogallala, GCMT Greycliff, LQHW Lower Hollow, etc.

IDC 12 19:17:13.3, 4.6, 6.61E, 130.17E, h161km, 65km, mb2.9/1, mb1.2/0.4, mb1mx2.7/2.5, mbtmp3.3/4, Error ellipse: s-maj=136.2km s-min=22.8km az=80.0, Banda Sea

GUC 12 19:31:56.7, 0.2, 32.34S, 70.65W, h21km, 13km, ML2.7, SJA 12 19:31:57.0, 0.7, 32.35S, 70.39W, h6km, 4km, ML2.9, MWG

ISC 12 19:31:56.0, 1.2, 32.36S, 0.03, 70.54W, 0.03, h15km, 10km, n25, +r128/38, 2C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ROCH El Roble, ROCH Combarba, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like G004 AMOG Mognna, AMOG Mognna, AROD Rodeo, etc.

ISK 12 19:35:03.6, 37.85N, 36.72E, h8km, ML3.4/24, ISCJB 12 19:35:04.1, 0.3, 37.83N, 0.02, 36.70E, 0.03, h6km, Error ellipse: s-maj=3.6km s-min=3.3km az=43.2

DDA 12 19:35:04.5, 37.82N, 36.69E, h30km, M3.0, ISC 12 19:35:02.2, 0.9, 37.78N, 0.03, 36.73E, 0.03, h6km, n38, +r140/42, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KMRS Kahramanmaraş, KMRS Gaziantep, KAZZ Gaziantep, etc.

IDC 12 20:01:56.2, 3.7, 28.95S, 74.83E, h0km, mb3.7/3, mb1.4/0.3, mb1mx3.5/3.2, mbtmp3.7/3, Error ellipse: s-maj=104.7km s-min=45.1km az=48.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H0S2 Diego Garcia H, H0S3 Diego Garcia H, etc.

IDC 12 20:02:17.4, 1.5, 28.92S, 74.67E, h0km, mb3.8/5, mb1.4/1.5, mb1mx3.6/3.3, mbtmp3.8/5, Error ellipse: s-maj=48.6km s-min=28.5km az=78.0, Mid-Indian Ridge

CMAR Chiang Mai Arr 52.61 29 Op P 20 11 33.8 +0.5, ASAR Alice Springs 52.90 96 P 20 11 35.3 -0.3, WRA Warramunga Arr 54.58 95 P 20 11 47.7 -0.2, VNDY Vanda 61.38 166 P 20 12 34.7 0.0, MKAR Makanchi Arr 75.67 5 P 20 14 03.5 -0.7, YKA Yellowknife Arr 145.87 8 PKPbc PKPbc 20 21 57.7 -0.3

IDC 12 20:16:34.2, 5.0, 6.69S, 129.73E, h133km, 57km, mb3.8/2, mb1.3/0.5, mb1mx3.2/3.3, mbtmp4.0/5, Error ellipse: s-maj=107.9km s-min=18.8km az=75.0, Banda Sea

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

ISCJB 12 20:24:21.0, 0.7, 49.65S, 0.1, 116.17W, 0.2, h10km, mb4.3/8, MS4.5/2.3, Error ellipse: s-maj=19.3km s-min=16.6km az=165.8

IDC 12 20:24:20.9, 0.8, 49.48S, 116.22W, h0km, mb4.2/7, mb1.4/4.7, mb1mx4.1/2.8, mbtmp4.2/7, MS4.4/2.3, Ms1.4/4.2, ms1mx4.4/2.6, Error ellipse: s-maj=39.0km s-min=22.1km az=152.0

NEIC 12 20:24:22.5, 0.5, 49.57S, 116.15W, h10km, mb4.6/4, Error ellipse: s-maj=27.3km s-min=14.4km az=157.0, GCMT 12 20:24:24.5, 0.2, 49.60S, 0.01, 116.16W, 0.02, h12km, 1km, MWG 1.0/1.0, Moment Tensor Solution: s59, c87, s109, c156, Duration: 0, Moment tensor: Scale 1016Nm, M=0.57e-13, Mw=2.59e-14, Mw=2.02e-13, Mw=0.43e-32, Mw=4.95e-13, Mw=2.35e-45, Best double couple: Mw=9.72000e-10, NP1=193.00000, 887.00000, 2-156.00000, NP2=102.00000, 866.00000, 2-4.00000, Principal axes: T 6.1560, P1g14.0000, Azm325.0000, N -0.3680, P1g66.0000, Azm201.0000, P -5.7880, P1g19.0000, Azm60.0000, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s, Triangular moment-rate function

ISC 12 20:24:22.7, 0.6, 49.45S, 0.1, 116.44W, 0.1, h10km, n69, +r187/35, mb4.3/8, MS4.5/24, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like G004 AMOG Mognna, AMOG Mognna, AROD Rodeo, etc.

IDC 12:21:57.49.0.6, 4.73S, 153.25E, h0km, mb4.0/13, mb1.4/14, mb1mx0.4/27, mbtmp4.0/14, ML2.21, MS3.3/5, Ms1.3/3.5, ms1mx2.9/29, Error ellipse: s-maj=24.6km s-min=15.9km az=93.0

ISCJBJ 12:21:57.53.0.5, 4.74S, 0.05x153.16E, 0.06, h55km, mb3.9/18, MS3.4/2, Error ellipse: s-maj=9.8km s-min=6.7km az=32.1

NEIC 12:21:57.56.7.1, 4.81S, 153.25E, h56km, mb4.1/5, Error ellipse: s-maj=11.5km s-min=7.3km az=111.0

ISC 12:21:57.0.0.6, 4.70S, 0.07x153.22E, 0.08, h55km, n44, r161/16, mb4.0/18, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Lists various stations like RABL Rabaul, MANU Manus Island, WRA Warramunga Arr, etc.

IG0 12:22:05:38.8.0.2, 1.1S, 177.9W, h3km, 3km, M3.6/12

ISC 12:22:08:38.7.0, 0.72S, 0.02x78.70W, 0.04, h4km, 9km, n42, r124/44, Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Lists stations like ILLI Illinizas Sur, NASZ Nasa, GTAM Cotopaxi 1, etc.

IDC 12:22:11:41.3.4.3, 17.16S, 177.73W, h0km, mb4.1/4, mb1.4/3.4, mb1mx3.8/34, mbtmp4.1/4, Error ellipse: s-maj=189.9km s-min=32.5km az=139.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Lists stations like STKA Stephens Creek, KBTB Kuba-Taba, etc.

0.6nm, 0.3s, baz=73, slow=11, SNR=3.1 WRA Warramunga Arr 45.41 259 P 22 20 01.8 -0.3

ASAR Alice Springs 45.62 234 P 22 20 03.5 -0.3

ILAR Eielson Array 85.02 15 P 22 24 18.3 0.0

ISCJBJ 12:22:12.49.0.0.5, 5.62N, 0.03x126.72E, 0.06, h101km, 5km, mb3.8/12, Error ellipse: s-maj=9.6km s-min=4.4km az=168.3

MAN 12:22:12.48.5.5, 72N, 126.74E, h121km, mb4.5, ML3.4, MS3.2

IDC 12:22:12.51.6.1, 2.560N, 126.55E, h108km, 9km, mb3.6/12, mb1.3/8/13, mb1mx3.6/34, mbtmp4.0/13, MS3.5/3, Ms1.3/3.5, ms1mx2.8/31, Error ellipse: s-maj=34.0km s-min=10.1km az=66.0

DJA 12:22:13.02.7.0.9, 5.7N, 127.6E, h147km, 7km, M4.4/10, mb4.3/10, mb5.0/5, MLV4.4/7, Mw(mB)4.4/5

ISC 12:22:12.50.7.0.9, 5.58N, 0.04x126.63E, 0.08, h102km, 8km, n38, r197/45, mb3.8/12, 1C-2D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Lists stations like DDMP Don Marcelino, MATI Mati, GSPH General Santos, DAV Davao City (W), etc.

KRSC 12:22:11.44.1.1, 5.4914N, 156.55E, h5km, 27km, ML3.7, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Lists stations like SKR Severo-Kuril's, SKR Kuril, PAU Pauhutka, etc.

MOS 12:22:26:42.8.0.0, 44.52N, 41.74E, h5km, MPVA4.0

NORS 12:22:26:42.6.0.0, 44.25N, 41.93E, h1km

ISC 12:22:26:42.7.1.1, 44.53N, 0.03x41.70E, 0.02, h1km, 10km, n42, r150/80, 7C-1D, Western Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Lists stations like NVNR Nevinomyssk, KISL Kislodovsk, KIV Kiv, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Lists stations like KBTC Yermizino-Bor, YERB Yermizino-Bor, NEYR Neytrino, etc.

ISCJBJ 12:22:42:50.7.1.4, 18.8S, 0.06x176.8W, 0.4, h10km, mb4.1/6, MS3.8/14, Error ellipse: s-maj=93.7km s-min=18.3km az=150.0

IDC 12:22:42:50.5.1.7, 18.77S, 176.78W, h0km, mb4.1/6, mb1.4/4.6, mb1mx4.0/36, mbtmp4.1/6, MS3.8/16, Ms1.3/8/16, ms1mx3.6/33, Error ellipse: s-maj=110.6km s-min=21.2km az=150.0

ISC 12:22:42:52.1.1.6, 18.8S, 0.06x176.8W, 0.4, h10km, n23, r086/7, mb4.1/6, MS3.8/14, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Lists stations like DZM Mont Dzumac, DZM Stephens Creek, RAR Rarotonga, etc.

ISCJBJ 12:22:43:50.6.0.9, 10.81S, 0.10x161.5E, 0.1, h35km, mb3.8/6, MS4.0/2, Error ellipse: s-maj=22.4km s-min=8.1km az=147.2

IDC 12:22:43:57.6.2.6, 10.68S, 161.24E, h75km, 20km, mb3.6/3, mb1.3/8.7, mb1mx3.5/36, mbtmp4.0/7, MS3.7/3, Ms1.3/7.3, ms1mx0.2/5, Error ellipse: s-maj=29.0km s-min=18.2km az=74.0

ISC 12:22:43:54.1.0.1, 10.7S, 0.10x161.4E, 0.2, h35km, n10, r2949/9, mb3.9/6, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Lists stations like HNR Honiara, HNR Port Moresby, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, USRK Ussuriysk Arr, SONM Songino Array, ILAR Eielson Array, ILAR LR, YBH Yreka Blue Hor, MKAR Makanchi Array.

ISC 12 23:25:09.6-1.9, 0.52N-126.10E, h0km, mb3.4/3, mb1 3.7/3, mb1mx3.4/20, mbtmp3.5/3, Error ellipse: s-maj=172.5km s-min=25.0km az=65.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

ISC 12 23:46:09.6-2.4, 48.44N-146.93E, h470km, 34dkm, mb3.1/11, mb1 3.9/14, mb1mx3.0/45, mbtmp3.9/14, Error ellipse: s-maj=30.7km s-min=13.7km az=171.0

ISC 12 23:46:11.1-1.3, 48.3N-102.146E, n0.1, h500km, n15, c078/15, mb3.4/11, Sea of Okhotsk

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KLR Kul'dur, USRK Ussuriysk Arr, KSRS Korea Array, SONM Songino Array, ILAR Eielson Array, MKAR Makanchi Array, INK Inuvik, YKA Yellowknife Arr, ARCES ARCES Array B, FINES FINESS Array B, NB2 NORAS Subarra, NOA NORAS Array B, NVAR Mina Array B, PDAR Pinedale Array, TXAR Lajitas Array.

ISC/JB 12 23:53:47.0-0.5, 2.5N-0.1, 128.6E-0.1, h250km, mb3.8/10, Error ellipse: s-maj=22.7km s-min=8.6km az=141.8

ISC 12 23:53:47.1-2.6, 2.5N-128.5E, h235km, 29km, mb3.6/10, mb1 3.7/12, mb1mx3.4/42, mbtmp4.2/12, Error ellipse: s-maj=38.1km s-min=1.5km az=70.0

ISC 12 23:53:48.1-0.7, 2.5N-0.1, 128.7E-0.2, h250km, n20, c059/20, mb3.9/10, Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include SJLI Sorong, JAY Jayapura, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, KSRS Korea Array, STKA Stephens Creek, RAMN Ramite, JIRN Jiri, GUN Gumba, PKIN Phulokki, KKN Kakani, SONM Songino Array, KOLN Koldanda, DANN Dangsing, PYUN Pyun, MKAR Makanchi Array, ZALV Zalesovo Beam, KURB Kurchatov Arr, ARCES ARCES Array B.

ISC/JB 12 23:55:17.6-0.8, 37.69N-0.04, 143.49E-0.07, h19km, mb3.5/6, Error ellipse: s-maj=7.6km s-min=6.1km az=16.6

ISC 12 23:55:17.3-1.1, 37.35N-143.88E, h0km, mb3.5/6, mb1 3.7/8, mb1mx3.5/36, mbtmp3.5/8, ML2.8/2, Error ellipse: s-maj=29.8km s-min=21.5km az=71.0

JMA 12 23:55:18.9-0.2, 37.72N-143.52E, h46km, M3.4

ISC 12 23:55:18.6-1.2, 37.73N-0.05, 143.53E-0.08, h19km, n30, c1943/29, mb3.5/6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include JIKH Ishinomakikobu, JIKH Ouri, JKMT Kesenumamotoy, JKMT Ofunato, OFUJ Ofunato, JMK Ichinoseki, JOU Okura, JOM Ohasama, JOM Otama, JFT Kaneyama, JRG Rokugo, JANG Nango, JAG Ashikaga, JAG JAG, JRY Ryogami san, JRY Odawara 2, JOD2 Matsushiro Arr, MJAR Matsushiro, MAT Matsushiro, JCH Chichibu, JCH JCH, USRK Ussuriysk Arr.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include H1N12 WAKE ISLAND Hy, H1N11 WAKE ISLAND Hy, H1N10 WAKE ISLAND Hy, H1S11 WAKE ISLAND Hy, H1S13 WAKE ISLAND Hy, H1S12 WAKE ISLAND Hy, SONM Songino Array, ZALV Zalesovo Beam, MKAR Makanchi Array, ILAR Eielson Array, WRA Warramunga Arr, ASAR Alice Springs.

ISC/JB 12 23:59:27.9-0.6, 38.99N-0.04, 43.53E-0.05, h11km, 4dkm, Error ellipse: s-maj=7.6km s-min=5.7km az=149.3

ISC 12 23:59:27.2, 38.96N-43.54E, h12km, ML2.0/4, DDA 12 23:59:28.3, 39.01N-43.52E, h7km, ML2.6

ISC 12 23:59:27.6-0.9, 39.95N-0.04, 43.55E-0.03, h10km, 6km, n12, c0847/10, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include VMUR Van-Muradiye, ERVC ERICIS-VAN, CLDR Caldiran, CLDR Caldiran, CLDR Van, TVAN Van, ADCV BITLIS Adilcev, ADCV TUTA, AGRB Hanur-Agry, MLAZ Malazgirt-MUS, GURO Guromyak-BITLI, GNI Garni.

NIED 13 00:26:00, 38.40N-142.20E, h11km, Mw3.4 Best double couple: M1.64000-1014 NP1:30201.00000, 340.00000, 1-22.00000, NP2:309.00000, 876.00000, h-127.00000

ISC 13 00:26:25.1-2.2, 37.83N-142.70E, h0km, mb3.6/3, mb1 3.7/4, mb1mx3.4/41, mbtmp3.5/4, ML2.7/1, Error ellipse: s-maj=48.2km s-min=30.7km az=49.0

JMA 13 00:26:26.0-0.1, 38.45N-142.21E, h29km, 2km, M3.7

JMA Felt J1, ISC 13 00:26:21.0-2.2, 38.37N-0.05, 142.33E-0.08, h6km, 11km, n20, c1983/23, mb3.8/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include JIKH Ishinomakikobu, JIKH Ouri, JKMT Kesenumamotoy, JKMT Ofunato, OFUJ Ofunato, JMK Ichinoseki, JOU Okura, JMM Marumori, JOM Ohasama, JOM Kanesama, MJAR Matsushiro Arr, MJAR Matsushiro, H1N12 WAKE ISLAND Hy, H1N11 WAKE ISLAND Hy, H1N13 WAKE ISLAND Hy, H1S11 WAKE ISLAND Hy, H1S13 WAKE ISLAND Hy, H1S12 WAKE ISLAND Hy, MKAR Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs.

MAN 13 00:40:17.6, 13.73N-122.70E, h10km, mb3.6, ML2.3, MS1.7, 1C, Luzon

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include GOP Guinayangan, GOP Polilio Island, POLP Polilio Island, POLP Virac.

WES 13 00:53:28.0, 30.91S-178.39W, h39km, ML6.0/2

MOL 13 00:53:28.4, 1.0, 30.80S-178.30W, h44km, mb5.6/46, MS4.9/11, Error ellipse: s-maj=9.6km s-min=8.3km az=71.8

NEIC 13 00:53:28.0-0.7, 30.91S-178.39W, h39km, 6km, mb5.5/109, MS4.9/58, MW5.3, Error ellipse: s-maj=5.9km s-min=4.5km az=140.0, Moment Tensor Solution, s27 Moment tensor: Scale 1017Nm; Mr: 1.8; Mw: 0.37; Mw0-0.81; Mo: 0.10; Mw0-0.61; Mw0.08; Best double couple: M1.20000x1017 NP1:29.00000, 845.00000, 1.61.00000, NP2: 621.00000, 345.00000, 1.99.00000. Principal axes: T 1.900, Plg84.0000, Azm216.0000; N 0.0500, Plg6.0000, Azm35.0000; P -1.2400, Plg0.0000, Azm125.0000

ISC/JB 13 00:53:29.9-0.1, 31.13S-0.02, 178.39W-0.03, h62km, mb5.4/148, Error ellipse: s-maj=4.2km s-min=2.1km az=35.4

GCMT 13 00:53:30.8-0.1, 30.86S-0.01, 177.95W-0.01, h52km, MW5.4/103, Moment Tensor Solution, s95, c154, s103, c160; Duration: 1s2 Moment tensor: Scale 1017 Nm; Mr: 1.49; Mw: 0.02; Mw0-0.02; Mw0-1.49; Mw0-1.52; Mw0-0.31; Mw0-0.03; Mw0-0.03; Best double couple: M1.53000-1017 NP1:39.00000, 845.00000, 1.98.00000, NP2:306.00000, 845.00000, 1.82.00000. Principal axes: T 1.5050, Plg84.0000, Azm191.0000; N 0.0470, Plg6.0000, Azm11.0000; P -1.5540, Plg0.0000, Azm281.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BUL 13 00:53:31.0, 30.90S-178.30W, h65km, mb5.3/34, mb5.6/27, Ms5.1/23, Ms7.4/8/22

ISC 13 00:53:32.7-1.2, 30.55S-178.22W, h72km, 9km, mb4.9/25, mb1 4.9/26, mb1mx4.8/39, mbtmp5.1/26, MS4.5/17,

Ms1 4.5/17, ms1mx4.5/18, Error ellipse: s-maj=12.9km s-min=11.7km az=117.0

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include GLKZ Green Lake, RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, RIZ Raoul Island, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, WMGZ Waioamataini S, GRZ Great Barrier, HAZ Te Kaha, HAZ Te Kaha, PKHZ Pakhiroa, KUZ Kuatou, PUZ Puketiti, PUZ Puketiti, RUGZ Raoukama Rang, MYRZ Mayor Island, TWGZ Tauwharepara, TWGZ Tauwharepara, WCZ Waipu Caves, WHRZ White Island, WHRZ White Island, WIWZ Waiheke Island, OUZ Omahuta, OUZ Omahuta, CNZ Carnagh Statio, OPRZ Ohinepanea, TKGZ Te Karaka, TKGZ Te Karaka, TKGZ Tauranga, MWTZ Matawai, MARZ Manawhai, MKAZ Monoukai, URZ Urewera, URZ Urewera, URZ Urewera, URZ Urewera.

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

ISC 13 00:53:28.0-0.2, 30.89S-0.04, 178.22W-0.05, h36km, 2km, h36km, P-P, n936, c1968/897, mb5.5/146, MS4.9/86, 35C-18D, Kermadec Islands

13d Oh

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SCIA, TLY, FFC, MTDJ, ULM, etc.

2012 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SUMG, GEYT, KMBO, AKTO, etc.

640

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NB2, NOA, FOO, etc.

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

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

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

ISC 13 00:58:08.0, 4.0, 9.87S; 154.78E, h0km, mb4.6/22, mb1 4.7/24, mb1mx4.6/24, ML4.2/22, MS4.4/2, MS1 4.4/2, ms1mx3.7/19, Error ellipse: s-maj=19.9km, s-min=13.4km, az=101.0, Error ellipse: s-maj=6.4km, s-min=5.1km, az=101.0, ISCJB 13 00:58:12.2, 0.3, 9.86S; 0.04:154.81E:0.05, h33km, mb4.7/41, MS4.3/15, D'Entrecasteaux Islands region

KRNET 13 01:12:51.3, 0.1, 3.9S; 58N: 76.89E, mb3.0, ISC 13 01:12:54.3, 2.2, 3.97N; 10N: 08.76E; 0.10, h10km, n8, e233/16, 12C-2D, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PSI Prapat, KCSI Kocasin, MNSI Mandailing Nat, etc.

IDC 13 06:00:34.6:2.1, 52.294N:171.42E, h0km, mb3.5/7, mb1 3.7/8, mb1mx3.5/4.1, mbtmp3.5/6, ML2.7/1, Error ellipse: s-maj=65.8km s-min=18.9km az=176.0

ISC/B 13 06:00:35.9:2.0, 52.294N:171.3E:0.2, h27km, mb3.3/6, Error ellipse: s-maj=60.8km s-min=11.6km az=173.4

ISC 13 06:00:38.6:2.2, 53.03N:171.28E:0.10, h27km, n14, r153/9, mb3.4/6, Near Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PETK Petropavlovsk, KDAK Kodiak Island, ILAR Eielson Array, etc.

IDC 13 06:15:23.6:0.9, 37.44N:143.84E, h0km, mb3.4/7, mb1 3.7/9, mb1mx3.5/3.7, mbtmp3.4/9, ML2.9/2, Error ellipse: s-maj=24.9km s-min=20.7km az=117.0

JMA 13 06:15:25.6:0.1, 37.70N:143.54E, h52km, M3.1, ISC/B 13 06:15:26.3:0.7, 37.66N:143.49E:0.06, h33km, mb3.5/7, Error ellipse: s-maj=7.0km s-min=6.3km az=32.2

ISC 13 06:15:28.9:0.9, 37.70N:143.46E:0.08, h35km, n22, r147/26, mb3.5/7, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JIKH Ishinomikikobu, JIKH Ouri, JIKM Kesennumototy, etc.

IDC 13 06:17:23.7:1.2, 34.75N:177.63E, h0km, mb3.6/8, mb1 3.9/8, mb1mx3.7/3.1, mbtmp3.6/8, Error ellipse: s-maj=57.6km s-min=22.1km az=145.0, Gilbert Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

IDC 13 06:36:18.7:0.9, 37.61N:23.35E, h0km, mb3.6/8, mb1 3.8/12, mb1mx3.6/4.3, mbtmp3.6/12, ML3.4/3, MS2.5/2, Ms1 2.5/2, ms1mx2.1/4.0, Error ellipse: s-maj=19.7km s-min=16.9km az=74.0

ISC/B 13 06:36:19.7:0.4, 37.53N:23.37E:0.02, h117km, 3km, mb3.6/8, Error ellipse: s-maj=2.5km s-min=2.4km az=150.0

ATH 13 06:36:20.0, 37.52N:23.33E, h12km, 2km, ML3.5/15, Error ellipse: s-maj=2.5km s-min=0.6km az=204.0

THE 13 06:36:20.4, 37.53N:23.32E, h0km, ML3.4/9, Error ellipse: s-maj=0.5km s-min=0.2km az=234.0

BEO 13 06:36:21.3:1.1, 37.49N:23.42E, h15km, ML3.3/3, ISC 13 06:36:19.9:0.8, 37.52N:23.35E:0.02, h9km, 6km, Error ellipse: s-maj=19.7km s-min=16.9km az=74.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like n126, r08/4/163, mb3.8/8, 7C-3D, Southern Greece

IDC 13 06:36:21.3:1.1, 37.49N:23.42E, h15km, ML3.3/3, ISC 13 06:36:19.9:0.8, 37.52N:23.35E:0.02, h9km, 6km, Error ellipse: s-maj=19.7km s-min=16.9km az=74.0

ISC/B 13 06:36:20.0, 37.52N:23.33E, h12km, 2km, ML3.5/15, Error ellipse: s-maj=2.5km s-min=0.6km az=204.0

THE 13 06:36:20.4, 37.53N:23.32E, h0km, ML3.4/9, Error ellipse: s-maj=0.5km s-min=0.2km az=234.0

BEO 13 06:36:21.3:1.1, 37.49N:23.42E, h15km, ML3.3/3, ISC 13 06:36:19.9:0.8, 37.52N:23.35E:0.02, h9km, 6km, Error ellipse: s-maj=19.7km s-min=16.9km az=74.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ATH Athens Observa, LOUT Loutrak, LOUT Athens Univers, etc.

IDC 13 06:48:27.4:0.5, 13.79N:92.39W, h20km, MD3.8, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MEX 13 06:48:27.4:0.5, 13.79N:92.39W, h20km, MD3.8, Off coast of Chiapas

IDC 13 06:52:53.7:2.3, 7.48S:129.28E, h113km, 26km, mb2.9/1, mb1 3.8/5, mb1mx3.4/2.5, mbtmp3.4/1.5, Error ellipse: s-maj=27.4km s-min=20.9km az=130.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BATI Baumata, BATI Sorong, SIJU Warramunga Arr, etc.

NEIC 13 07:02:21.6:0.0, 19.00N:68.39W, h25km, 16km, MD3.1/4, After RSPR

RSPR 13 07:02:21.6, 19.00N:68.39W, h25km, 16km, MD3.1/4, 2C-6D, Monna Passage

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AGPR Aguadilla, PR, AGPR Aguaadilla, PR, etc.

IDC 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SIJU Sorong, SIJU Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IMMV Iera Moni Meta, THOS Klokotos Trika, CHOS Chios Island, etc.

IDC 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

ISC/B 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

ISC 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IMMV Iera Moni Meta, THOS Klokotos Trika, CHOS Chios Island, etc.

IDC 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

ISC/B 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

ISC 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IMMV Iera Moni Meta, THOS Klokotos Trika, CHOS Chios Island, etc.

IDC 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

ISC/B 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

ISC 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IMMV Iera Moni Meta, THOS Klokotos Trika, CHOS Chios Island, etc.

IDC 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

ISC/B 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

ISC 13 07:05:40.7:5.5, 6.86S:129.30E, h88km, 69km, mb3.8/1, mb1 3.6/4, mb1mx3.3/2.5, mbtmp3.9/4, ML3.6/3, Error ellipse: s-maj=113.4km s-min=25.5km az=83.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IMMV Iera Moni Meta, THOS Klokotos Trika, CHOS Chios Island, etc.

Table with columns: MKAR, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Saumlaki, Namlea, Sorong, Sanana, Soe, etc.

NEIC 13 07:11:29.7±0.0, 16.92N:94.87W, h127km, MD4.1(MEX), After MEX.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Matias Romero, Huatulco, Vista Hermosa, etc.

ISCJB 13 07:24:00.6±1.2, 38.66N:0.05±43.60E±0.10, h28km, 5km, Error ellipse: s-maj=14.4km s-min=6.1km az=30.3

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

ISCJB 13 07:32:02.0±1.5, 21.0S:0.1±179.00W±0.10, h619km, mb4.0/13, Error ellipse: s-maj=15.1km s-min=11.7km az=179.6

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

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

ISCJB 13 07:34:38.9±0.4, 0.50N:0.06±126.36E±0.06, h47km, mb4.2/17, Error ellipse: s-maj=9.6km s-min=6.9km az=41.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TNTI, WRA, AS31, etc.

MAN 13 07:38:09.8, 13.34N:124.28E, h30km, mb4.3, ML3.1, MS2.8, 1D, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MK01, THW, ZALV, etc.

ISCJB 13 07:43:42.3±0.3, 36.21N:0.03±71.10E±0.05, h100km, mb3.6/11, Error ellipse: s-maj=6.2km s-min=3.4km az=146.8

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

ISC 13 07:43:43.4±0.5, 36.32N:0.05±71.11E±0.05, h100km, n54, c258/68, mb3.6/11, 7C-9D, Afghanistan-Tajikistan border region

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

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

KHET Khetri, comp=E, 8.33nm, 0.8s, 9.13 153 eP, Sn, 07 45 53.4 ±1.1

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

KRAR 13 07:51:53.0±0.9, 53.58N:87.76E, M2.6, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS, RAS, 224p + CD-ROM, 2014)

NINC 13 07:51:56.2±1.9, 53.47N:87.75E, h0km, n5, mpv3.2, Error ellipse: s-maj=15.2km s-min=7.1km az=60.0, Suspected Mining explosion

ISC 13 07:51:56.4±3.7, 53.6N:0.1±87.7E±0.2, h0km, n5, c076/10, 6C-8D, Southwestern Siberia

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

SKO 13 08:00:00.9, 42.32N:19.59E, h15km, M1.8, ML2.1, BEO 13 08:00:19.6±0.4, 41.94N:20.88E, h5km, 5km, ML1.7/10

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

Table with columns: Call Sign, Frequency, Mode, Direction, Date/Time, Azimuth, Elevation, and other parameters. Includes stations like TWE Neicheng, NWF Wu-fen Shan, WFSB Wu-fen Shan, etc.

Table with columns: Call Sign, Frequency, Mode, Direction, Date/Time, Azimuth, Elevation, and other parameters. Includes stations like FULB, CHNS Tsauling, JKRS Kuro-shima, etc.

Table with columns: Call Sign, Frequency, Mode, Direction, Date/Time, Azimuth, Elevation, and other parameters. Includes stations like WRA, Vnda, TXAR, etc.

IDC 13 09:52:33.5, 1.7, 0.58N, 126.22E, h0km, mb3.8/4, mb1 4.0/4, mb1mx3.6/43, mbtmp3.9/4, Error ellipse: s-maj=168.2km s-min=21.7km az=66.0
 DJA 13 09:52:36.3, 0.4, 1.1, N4.4 x 12.6E, h10km, M3.5/6, MLV3.5/6
 ISCJB 13 09:52:37.8, 0.8, 0.58N, 0.07x126.26E, 0.07, h47km, mb3.9/4, Error ellipse: s-maj=10.8km s-min=8.7km az=140.4
 ISC 13 09:52:39.3, 1.1, 0.55N, 0.08x126.31E, 0.07, h47km, n7, r1502/9, mb3.9/4, Northern Molucca Sea

Code	Station Name	Δ°	Phase ID	Time Res	ISC
TNTI	Ternate	1.08 78	P	09 52 37.0 -0.8	Pn
TNTI			S	09 53 12.0 +0.1	Sn
KMSI	Cibinong	2.33 271	P	09 53 14.2 -0.9	Pn
SANI	Sanana	2.60 187	P	09 53 17.5 -1.4	Pn
SANI			S	09 53 50.2 +0.9	Sn
WRA	Warramunga Arr	21.83 159	P	09 57 27.9 +0.1	Pn
ASAR	Alice Springs	25.18 163	P	09 58 01.7 +1.2	Pn
MKAR	Makanchi Array	59.94 327	P	10 02 41.5 +0.7	Pn
KURBB	Kurchatov Arra	64.19 328	P	10 03 09.2 0.0	Pn

BUJ 13 10:02:41.0, 23.40N, 44.80W, h10km, mb5.0/1, Ms4.7/1, Ms7.4/2
 MOS 13 10:02:41.9, 1.2, 23.62N, 44.83W, h10km, mb4.7/35, Error ellipse: s-maj=9.8km s-min=7.4km az=49.8
 IDC 13 10:02:41.6, 1.4, 23.60N, 44.86W, h0km, mb4.1/18, mb1 4.3/18, mb1mx4.1/57, mbtmp4.1/18, MS3.8/26, Ms1 3.8/26, ms1mx3.7/29, Error ellipse: s-maj=41.8km s-min=15.3km az=4.0
 ISCJB 13 10:02:42.0, 2.4, 23.48N, 0.08x44.78W, 0.04, h15km, mb4.5/90, MS3.8/28, Error ellipse: s-maj=11.6km s-min=4.8km az=71.9
 NEIC 13 10:02:43.0, 2.3, 23.49N, 44.76W, h10km, mb4.6/48, Error ellipse: s-maj=9.1km s-min=4.0km az=174.0
 GCMT 13 10:02:48.2, 0.3, 23.73N, 0.02x44.86W, 0.02, h24km, 1km, MW4.8/81, Moment Tensor Solution. s16,c17; s81,c104; Duration: 0 Moment tensor: Scale 1019N; Mr=0.68e-15; Mw=0.41±.10; Mww=1.09±.10; Mw=0.71±.14; Mw=2.06±.09; Mw=0.12±.12; Best double couple: P:2.35400, 1016 NP1=283.00000, 677.00000, -158.00000. NP2: 0=188.00000, 369.00000, -14.00000. Principal axes: T: 2.5620, Plg6.0000, Azm54.0000; N: -0.4130, Plg65.0000, Azm312.0000; P: -2.1450, Plg24.0000; Azm147.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Code	Station Name	Δ°	Phase ID	Time Res	ISC
SVB	Belmont	18.59 240	LR	10 07 00.9 +0.2	LR
SJG	San Juan	20.64 259	LR	10 13 20.8	LR
OBIP	Obispo Ponce	21.07 259	P	10 07 28.0 +0.3	P
MPR	Mayaguez	21.50 260	LR	10 07 32.6 +0.3	LR
PTGA	Pitinga	28.22 214	LR	10 18 37.7	LR
ROSC	El Rosal	37.69 55	LR	10 23 14.0	LR
GOGA	Godfrey	35.21 295	P	10 09 38.4 +0.7	P
GOGA			Pmax		Pmax
SCHO	Schefferville	35.34 338	LR	10 21 55.5	LR
TKL	Tuckaleechee C	35.76 299	LR	10 21 25.2	LR
PAB	San Pablo	37.69 55	P	10 09 59.0 +0.1	P
ESDC	Sonsea Array	38.01 55	P	10 10 02.2 +0.6	P
ESDC			LR	10 22 33.8	LR
BDFB	Brasilia	39.01 185	LR	10 25 57.1	LR
WVT	Waverly	39.09 299	P	10 10 10.2 -0.4	P
PLAL	Pickwick Lake	39.17 297	P	10 10 12.0 +0.7	P
JTS	JuntasAbangare	40.43 258	iP	10 10 22.7 +0.6	iP
DBIC	Dimbokro	41.87 107	LR	10 24 31.4	LR
W41B	Gary Mavity, V	42.60 297	LR	10 10 39.9 +0.3	LR
H10N2	ASCENSION HYDR4.99 133		T	10 56 40.5	T
H10N3	ASCENSION HYDR4.99 133		T	10 56 40.9	T
H10N1	ASCENSION HYDR4.01 133		T	10 56 42.6	T
H10S3	ASCENSION HYDR3.70 134		T	10 57 38.4	T
H10S1	ASCENSION HYDR3.70 134		T	10 57 35.9	T
H10S2	ASCENSION HYDR3.71 134		T	10 57 39.7	T
TOA1	Torodi Ar. Sit	45.16 95	LR	10 10 59.8 -0.6	LR
TOA0	Torodi Ar. Sit	45.17 95	LR	10 10 59.9 -0.6	LR
TORD	Torodi Ar. Bea	45.17 95	LR	10 10 59.8 -0.7	LR
TORD			LR	10 27 13.9	LR
LPAZ	La Paz	45.63 212	LR	10 29 08.9	LR
TAM	Tamanrasset	46.10 80	P	10 11 10.9 +2.9	P
TAM			Pmax		Pmax
BNI	Bardonecchia	46.79 50	LR	10 11 13.8 +0.7	LR
BNI	Bardonecchia	46.79 50	LR	10 11 13.8 +0.7	LR
BNI			Pmax		Pmax
ULM	Lac du Bonnet	47.59 317	P	10 11 17.6 -1.5	P
ULM			LR	10 29 16.9	LR
WMOK	Wichita Mounta	47.96 286	LR	10 11 22.8 +0.6	LR
WMOK	Wichita Mounta	47.96 296	LR	10 11 22.8 +0.6	LR
WMOK			Pmax		Pmax
KEST	Kesra	48.11 62	P	10 11 23.8 +0.4	P
KEST			LR	10 28 56.3	LR
KEST			P	10 11 23.8 +0.4	P
BFO	Black Forest	48.50 45cP	Pmax	10 11 27.4 +1.2	Pmax
BFO			Pmax		Pmax
SCO	Scorsby Sund	48.89 10	P	10 11 28.9 +0.2	P
SCO			Pmax		Pmax
PB11	IPOC Station P	49.34 211	LR	10 11 33.2 +0.2	LR
AMTX	Amarillo	50.34 297	LR	10 11 41.3 +0.8	LR
CPUV	Villa Florida	50.98 194	LR	10 31 49.8	LR
MSTX	Muleshoe	51.29 295	LR	10 11 49.1 +1.4	LR
NKC	Novy Kostel	51.49 44	P	10 11 49.7 +0.8	P
NKC			Pmax		Pmax
KBA	Koelnbreinspre	51.66 48	P	10 11 50.6 +0.2	P
KBA			Pmax		Pmax
CLL	Collm	52.02 42	LR	10 11 53.0 +0.3	LR
CLL			eSSSS	10 25 06.0	eSSSS
CLL	Collm	52.02 42	LR	10 11 53.0 +0.3	LR

Code	Station Name	Δ°	Phase ID	Time Res	ISC
GEOA	GERESS Array S	52.10 46	LR	10 11 53.2 -0.3	LR
GEC2	GERESS Array S	52.11 46	LR	10 11 53.8 +0.3	LR
GEC2	GERESS Array S	52.11 46	LR	10 11 53.8 +0.3	LR
GERES	GERESS Array S	52.11 46	LR	10 11 53.3 -1.2	LR
GERES			LR	10 30 52.1	LR
FFC	Flin Flon	52.29 322	LR	10 11 55.8 +1.1	LR
FFC	Flin Flon	52.29 322	LR	10 11 56.6 +1.9	LR
BRG	Bergjesshubel	52.54 43	LR	10 11 56.5 -0.1	LR
BRG	Bergjesshubel	52.54 43	LR	10 11 56.5 -0.1	LR
LTX	Lajitas	52.56 290	LR	10 11 56.6 -0.6	LR
LTX	Lajitas	52.56 290	LR	10 11 56.6 -0.6	LR
TX31	Lajitas Ar. Si	52.56 290	LR	10 11 57.6 +0.4	LR
TX31	Lajitas Ar. Si	52.56 290	LR	10 11 56.6 -0.6	LR
TXAR			LR	10 36 11.4	LR
PRU	Pruhonice	52.79 44	LR	10 11 59.1 +0.6	LR
PRU			Pmax		Pmax
NB2	NORSAR Array S	53.43 30	LR	10 12 03.0 0.0	LR
NB20	NORSAR Array S	53.43 30	LR	10 12 03.0 0.0	LR
NOA			LR	10 30 42.1	LR
KRUC	Moravsky	53.89 46	LR	10 12 06.4 -0.2	LR
KRUC			Pmax		Pmax
ANMO	Albuquerque	54.25 297	LR	10 12 11.6 +1.9	LR
ANMO	Albuquerque	54.25 297	LR	10 12 11.1 +1.4	LR
S22A		54.32 300	LR	10 12 10.9 +0.6	LR
MODS	Modra-Piesok	54.42 46	LR	10 12 10.4 -0.1	LR
MODS	Modra-Piesok	54.42 46	LR	10 12 10.4 -0.1	LR
DAG	Danmarks Havn	54.87 7	LR	10 12 12.7 -0.5	LR
OKC	Ostrava-Krasne	55.10 45	LR	10 12 16.5 +1.2	LR
OKC			Pmax		Pmax
VYHS	Vyhne	55.47 46	LR	10 12 18.2 +0.2	LR
VYHS			Pmax		Pmax
VYHS	Vyhne	55.47 46	LR	10 12 18.2 +0.2	LR
MVCO	Mesa Verde	55.69 300	LR	10 12 21.5 +1.4	LR
PM13	Radium Mtn., P	55.87 301	LR	10 12 22.5 +1.2	LR
RLMT	Red Lodge	55.92 310	LR	10 12 23.3 +0.6	LR
BW06	Boulder Array	56.17 307	LR	10 12 23.0 -0.5	LR
PD31	Pinedale Array	56.17 307	LR	10 12 23.1 -0.4	LR
PDAR	Pinedale Array	56.17 307	LR	10 12 22.9 -0.6	LR
PDAR			LR	10 33 55.5	LR
PDAR	Pinedale Array	56.17 307	LR	10 12 22.6 -0.9	LR
GCMT	Greycliff	56.21 310	LR	10 12 24.0 +0.4	LR
EGMT	Eagleton	56.30 313	LR	10 12 25.3 +1.2	LR
L0HW	Long Hollow	56.91 308	LR	10 12 30.3 +1.6	LR
MOOW	Moose Ponds	57.01 308	LR	10 12 30.5 +1.0	LR
SRU	San Rafael Sw	57.12 302	LR	10 12 30.8 +0.6	LR
SRU	San Rafael Sw	57.12 302	LR	10 12 30.8 +0.6	LR
YMR	Madia River	57.14 309	LR	10 12 31.0 +0.7	LR
FXWY	Fox Creek	57.22 308	LR	10 12 31.1 +0.2	LR
P17A	Butcher Ranch,	57.25 303	LR	10 12 32.6 +1.4	LR
P17A	Horse Butte	57.30 309	LR	10 12 32.9 +1.4	LR
Q16A	Castle Valley	57.64 302	LR	10 12 34.8 +0.9	LR
JLU	Jordanelle	57.71 304	LR	10 12 34.7 +0.3	LR
TUC	Tucson	58.16 294	LR	10 12 40.3 +2.7	LR
TUC			Pmax		Pmax
WUAZ	Wupatki	58.18 298	LR	10 12 38.9 +1.2	LR
NLU	North Lily Min	58.24 304	LR	10 12 38.5 +0.4	LR
KNT	Kendrickon	58.49 55	LR	10 12 40.1 +0.5	LR
KNT			Pmax		Pmax
DUG	Dugway, Tooele	58.78 304	LR	10 12 42.2 +0.5	LR
DUG	Dugway, Tooele	58.78 304	LR	10 12 42.3 +0.5	LR
DUG			Pmax		Pmax
BGU	Big Grassy Moun	58.88 305	LR	10 12 42.6 +0.2	LR
SZCU	Shurtz Canyon	59.28 301	LR	10 12 41.6 -3.8	LR
LCMT	Little Creek M	59.48 300	LR	10 12 48.0 +1.3	LR
CCUT	Cedar City	59.50 301	LR	10 12 47.8 +0.8	LR
HLID	Hailey	59.68 308	LR	10 12 47.8 -0.2	LR
BUR04	Bucovina Ar. S	59.74 47	LR	10 12 47.9 -0.3	LR
PSUT	Pine Spring	59.77 302	LR	10 12 48.9 +0.1	LR
YKA	Yellowknife Ar	60.11 330	LR	10 12 48.4 -2.0	LR
YKA			P	10 13 37.3 +1.3	P
YKBS	Yellowknife Ar	60.11 330	LR	10 12 50.1 -0.3	LR
YKBS			eP	10 13 37.4 +1.3	eP
MLR	Muntele Rosu	60.37 50	LR	10 12 53.2 +0.6	LR
MLR	Muntele Rosu	60.37 50	LR	10 12 53.6 +0.9	LR
MLR			Pmax		Pmax
FLAO	FINESS Array S	60.53 31	LR	10 12 52.2 -1.1	LR
FLAO	FINESS Array S	60.53 31	LR	10 12 52.2 -1.1	LR
FINES	FINESS Array S	60.53 31	LR	10 12 52.2 -1.1	LR
FINES			LR	10 34 19.6	LR
VSU	Vasula	60.67 35cP	LR	10 12 52.4 -1.9	LR
VSU			Pmax		Pmax
NEW	Newport	61.23 313	LR	10 12 58.5 +0.1	LR
NEW	Newport	61.23 313	LR	10 12 58.4 +0.1	LR
NEW			Pmax		Pmax
ARAO	ARCESS Array S	61.34 22	LR	10 12 58.3 -0.3	LR
ARCES	ARCESS Array B	61.34 22	LR	10 12 58.3 -0.3	LR
TPNV	Topopah Spring	61.87 301	LR	10 13 03.9 +0.9	LR
TPNV	Topopah Spring	61.87 301	LR	10 13 03.9 +0.9	LR
TPNV			Pmax		Pmax
E09A	Wood Farm, Sta	62.06 312	LR	10 13 04.7 +0.8	LR
KIEV	Kiev	62.19 44cP	LR	10 13 04.6 -0.1	LR
KIEV			Pmax		Pmax
AKASG	Malin Array Be	62.20 44	LR	10 13 04	

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KOTR, Khodutka, Kamc, Russkaya, Mutnovka, etc.

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

ISK 13 12:22:12.4, 36:05N-27:50E, h5km, ML3.5/14
ATH 13 12:22:14.0, 36:14N-27:46E, h19km, 2km, ML3.3/4, Error
ellipse: s-maj=3.3km s-min=0.8km az=18.0

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

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

IDC 13 12:40:50.9; 2.9, 22.93N x 11.33W, h0km, mb3.8/2,
mb1 3.7/4, mb1mx3.4/4, mbtmp3.8/4, ML3.8/2, Error
ellipse: s-maj=101.0km s-min=32.5km az=82.0,

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TORD, DBIC, H48T, etc.

IDC 13 12:52:28.1; 2.1, 5.85S x 131.05E, h0km, mb3.8/1,
mb1 3.5/3, mb1mx3.3/2, mbtmp3.8/4, ML3.5/2, Error
ellipse: s-maj=99.4km s-min=30.6km az=71.0, Banda

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

IDC 13 12:58:59.7; 1.4, 21.51N x 146.36E, h0km, mb3.6/3,
mb1 3.9/3, mb1mx3.4/2, mbtmp3.8/4, ML3.3/1, Error
ellipse: s-maj=53.9km s-min=30.0km az=96.0, Mariana Islands

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

IDC 13 13:26:10.0; 8.9, 45.91N x 152.15E, h0km, mb3.3/3,
mb1 3.7/4, mb1mx3.4/3, mbtmp3.8/4, ML2.3/1, Error
ellipse: s-maj=270.4km s-min=68.9km az=93.0, East of

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

ISCJB 13 13:31:51.4; 0.4, 20.21S x 0.04; 177.7W; 0.1, h550km,
mb4.2/17, Error ellipse: s-maj=13.3km s-min=5.6km
az=2.4

IDC 13 13:31:54.5; 1.9, 20.25S x 177.82W, h576km, 22km,
CNZ 73.7/15, mb1 3.9/17, mb1mx3.8/23, mbtmp4.6/17, Error
ellipse: s-maj=13.9km s-min=10.1km az=139.0,

WEL 13 13:31:55.1; 1.9, 21.3; 16 x 177W; 4.6, h568km, 14km
ISC 13 13:31:52.3; 0.5, 20.34S x 0.07; 177.7W; 0.1, h550km, n100,
c190.0/05, mb4.2/17, CNZ, Fiji Islands region

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

TIGA	comp=Z,143nm,1.4s baz=181	22.27	1	P	P	17 21 16.3 +1.2
352A	Blakely comp=Z,116nm,1.1s	22.32 358	eP	P	P	17 21 18.3 +2.7
352A	Blakely baz=178	22.32 358	P	P	P	17 21 16.7 +1.1
350A	Dozier baz=174	22.35 355	P	P	P	17 21 16.9 +1.0
349A	Repton baz=172,SNR=7.2	22.38 353	P	P	P	17 21 17.1 +0.9
ZAIG	Zacatecas comp=Z,34nm,1.1s	22.40 310	eP	P	P	17 21 19.5 +2.6
348A	Jackson comp=Z,133nm,1.1s	22.53 351	eP	P	P	17 21 19.4 +1.6
348A	Jackson baz=184	22.53 351	P	P	P	17 21 19.3 +1.5
347A	Saraland baz=168	22.62 350	P	P	P	17 21 20.0 +1.2
254A	Abbeville baz=182,SNR=5.4	22.79	2	P	P	17 21 21.2 +0.7
255A	Hazlehurst baz=184	22.80	3	P	P	17 21 21.6 +0.9
252A	Lumpkin baz=178,SNR=8.7	22.83 358	P	P	P	17 21 21.7 +0.7
253A	Americus baz=181	22.89 360	P	P	P	17 21 22.2 +0.6
256A	Glennville baz=185	22.90	5	P	P	17 21 22.6 +1.0
250A	Grady comp=Z,309nm,1.5s	22.90 355	eP	P	P	17 21 23.4 +1.7
250A	Grady baz=174,SNR=7.4	22.90 355	P	P	P	17 21 23.2 +1.5
251A	Midway baz=176,SNR=10	22.96 357	P	P	P	17 21 23.6 +1.3
249A	Camden baz=172	22.98 353	P	P	P	17 21 23.1 +0.6
344A	Westbrook Farm baz=163,SNR=7.3	23.14 345	P	P	P	17 21 24.7 +0.6
248A	Dixon Mills baz=171	23.18 352	P	P	P	17 21 25.2 +0.7
247A	Quitman baz=168,SNR=7.6	23.27 350	P	P	P	17 21 26.1 +0.7
151A	Opelika baz=177,SNR=9.3	23.39 357	P	P	P	17 21 27.2 +0.7
154A	Montrose comp=Z,83nm,0.9s	23.46	2	eP	P	17 21 29.0 +1.8
154A	Montrose baz=162	23.46	2	P	P	17 21 27.9 +0.7
153A	Fort Valley baz=180	23.48	0	P	P	17 21 28.2 +0.8
155A	Kite baz=184	23.49	3	P	P	17 21 28.0 +0.5
245A	Little AP, Sta baz=165,SNR=5.4	23.50 347	P	P	P	17 21 27.9 +0.3
152A	Waverly Hall comp=Z,39nm,0.7s	23.50 359	eP	P	P	17 21 28.4 +0.7
152A	Waverly Hall baz=175,SNR=11	23.50 359	P	P	P	17 21 28.4 +0.7
150A	Eclectic baz=175,SNR=10	23.51 356	P	P	P	17 21 28.4 +0.8
156A	Sylvania baz=185	23.60	5	P	P	17 21 29.5 +1.0
244A	Avery, Jackson baz=164,SNR=6.7	23.69 346	P	P	P	17 21 29.6 +0.2
148A	Greensboro baz=171	23.70 353	P	P	P	17 21 29.8 +0.3
VBMS	Vicksburg baz=164	23.82 346	P	P	P	17 21 31.2 +0.6
147A	Livingston comp=Z,736nm,1.8s	23.83 351	eP	P	P	17 21 31.4 +0.8
147A	Livingston baz=170,SNR=16	23.83 351	P	P	P	17 21 31.0 +0.3
146A	Union comp=Z,229nm,1.0s	23.92 350	eP	P	P	17 21 32.5 +0.9
146A	Union baz=168,SNR=9.7	23.92 350	P	P	P	17 21 31.9 +0.4
833A	Chaparral WMA, comp=Z,48nm,0.8s	24.01 325	eP	P	P	17 21 31.3 -1.1
833A	Chaparral WMA, baz=141	24.01 325	P	P	P	17 21 31.8 -0.6
LRAL	Lakeview Retre comp=Z,72nm,0.9s	24.02 354	eP	P	P	17 21 33.2 +0.8
LRAL	Lakeview Retre baz=173,SNR=19	24.02 354	P	P	P	17 21 33.0 +0.6
152A	Williamson baz=179	24.02 359	P	P	P	17 21 33.0 +0.6
254A	Houston Renfro baz=166,SNR=7.7	24.06 348	P	P	P	17 21 32.9 +0.1
254A	Sparta baz=183	24.09	2	P	P	17 21 33.4 +0.4
253A	Monticello baz=181,SNR=6.3	24.11	1	P	P	17 21 33.9 +0.6
Z49A	Columbiana baz=174,SNR=9.6	24.13 355	P	P	P	17 21 34.0 +0.5
250A	Ashland comp=Z,39nm,0.9s	24.14 356	eP	P	P	17 21 34.7 +1.1
Z50A	Ashland baz=175,SNR=9.4	24.14 356	P	P	P	17 21 34.1 +0.5
Z51A	Franklin baz=177	24.16 358	P	P	P	17 21 34.7 +0.9
NHSC	New Hope baz=189	24.20	8	P	P	17 21 34.9 +0.9
GOGA	Godfrey comp=Z,54nm,1.1s	24.24	1	eP	P	17 21 35.6 +1.1
GOGA	Godfrey baz=181	24.24	1	eP	P	17 21 35.6 +1.1
GOGA	Godfrey comp=Z,54nm,1.1s	24.24	1	P	P	17 21 35.2 +0.7
Z47A	Carrollton baz=170,SNR=11	24.31 352	P	P	P	17 21 35.2 +0.1
Z48A	Northpo baz=172,SNR=14	24.42 353	P	P	P	17 21 36.2 +0.2
Z46A	Louisville baz=168,SNR=5.2	24.44 350	P	P	P	17 21 36.8 +0.5
NATX	Nacogdoches baz=181	24.65 338	P	P	P	17 21 38.1 -0.1
Y53A	Monroe baz=181,SNR=13	24.68	1	P	P	17 21 38.9 +0.4
Y52A	Lilburn comp=Z,85nm,1.0s	24.69 360	eP	P	P	17 21 39.6 +1.1
Y52A	Lilburn baz=180,SNR=12	24.69 360	P	P	P	17 21 39.1 +0.5
Y54A	Signal baz=183,SNR=6.3	24.72	3	P	P	17 21 39.1 +0.3
Y51A	Rockmart baz=178,SNR=13	24.74 358	P	P	P	17 21 39.4 +0.3
Z45A	Winona comp=Z,137nm,0.7s	24.75 349	eP	P	P	17 21 39.8 +0.7
Z45A	Winona baz=167,SNR=5.6	24.75 349	P	P	P	17 21 38.7 -0.4
Y50A	Piedmont baz=176,SNR=8.3	24.76 357	P	P	P	17 21 39.3 +0.1
Y49A	Blount Mountain comp=Z,54nm,1.0s	24.78 355	eP	P	P	17 21 40.0 +0.6
Y49A	Blount Mountain baz=174	24.78 355	P	P	P	17 21 39.4 0.0
Y48A	Jasper baz=173,SNR=8.6	24.91 354	P	P	P	17 21 40.6 +0.1
Z43A	Armstrong Fami baz=163,SNR=5.0	24.94 346	P	P	P	17 21 40.8 0.0
Y47A	UCPARC, Winfie baz=171,SNR=7.3	24.97 352	P	P	P	17 21 41.3 +0.1
435B	Jarrell comp=Z,66nm,0.8s	25.04 332	eP	P	P	17 21 42.6 +0.8
435B	Jarrell baz=147	25.04 332	P	P	P	17 21 41.5 -0.3
Y46A	Houston baz=169,SNR=8.7	25.10 351	P	P	P	17 21 42.3 0.0
HODGE	Hodges comp=Z,42nm,0.8s	25.11	3	eP	P	17 21 43.5 +1.1
Y45A	Yeager Farm, C baz=167	25.20 349	P	P	P	17 21 43.2 0.0
JSC	Jenkinsville comp=Z,77nm,1.2s	25.23	5	eP	P	17 21 44.8 +1.3
JSC	Jenkinsville baz=174	25.23	5	eP	P	17 21 44.8 +1.3
X50B	Fort Payne baz=176,SNR=5.8	25.33 357	P	P	P	17 21 44.4 +0.3
X53A	Estanollee baz=182	25.33	1	P	P	17 21 44.8 +0.4
X51A	Calhoun comp=Z,58nm,1.1s	25.40 358	eP	P	P	17 21 45.9 +0.9
X51A	Calhoun baz=178	25.40 358	P	P	P	17 21 45.3 +0.3
Z41A	Richland Creek baz=160	25.41 343	eP	P	P	17 21 43.8 -1.3
Z41A	Richland Creek comp=Z,74nm,0.7s	25.41 343	P	P	P	17 21 45.4 +0.3
X49A	Woodville baz=175,SNR=13	25.42 356	P	P	P	17 21 45.4 +0.2
X48A	Hartselle comp=Z,119nm,1.8s	25.43 354	eP	P	P	17 21 45.5 +0.3
X48A	Hartselle baz=180,SNR=6.7	25.43 354	P	P	P	17 21 45.2 0.0
X52A	Dahlonega baz=180,SNR=6.7	25.43	0	P	P	17 21 45.6 +0.3
X47A	Russellville baz=171,SNR=5.9	25.58 353	P	P	P	17 21 46.2 -0.4
X46A	Booneville baz=170,SNR=5.3	25.72 351	P	P	P	17 21 47.3 -0.6
X45A	UM Field Stati baz=168	25.72 350	P	P	P	17 21 46.9 -1.0
PAULI	Paulina comp=Z,40nm,1.0s	25.72	4	eP	P	17 21 49.6 +1.7
CCAR	Cane Creek comp=Z,108nm,1.2s	25.75 345	eP	P	P	17 21 47.9 -0.3
OXF	Oxford comp=Z,63nm,0.8s	25.81 350	eP	P	P	17 21 48.0 -0.7
OXF	Oxford comp=Z,63nm,0.8s	25.81 350	eP	P	P	17 21 48.0 -0.7
OXF	Oxford comp=Z,63nm,0.8s	25.81 350	eP	P	P	17 21 47.5 -1.2
OXF	Oxford baz=168,SNR=5.2	25.83	2	eP	P	17 21 50.3 +1.3
BG3	Lake Jocassee comp=Z,34nm,0.9s	25.87	1	P	P	17 21 49.7 +0.2
PTGA	Pittsige comp=Z,18nm,0.9s,baz=287,slow=11,SNR=28	25.91 328	eP	P	P	17 21 49.9 +0.2
JCT	Junction City comp=Z,25nm,1.0s	25.91 328	eS	S	S	17 26 20.0 +3.1
JCT	Junction City comp=Z,25nm,1.0s	25.91 328	eS	S	S	17 21 49.9 +0.2
JCT	Junction City comp=Z,25nm,1.0s	25.91 328	eS	S	S	17 26 20.0 +3.1
JCT	Junction City comp=Z,25nm,1.0s	25.91 328	eS	S	S	17 21 49.2 -0.5
W52A	Murphy comp=Z,34nm,0.8s	25.91	0	eP	P	17 21 50.8 +1.1
W52A	Murphy baz=180,SNR=9.0	25.91	0	P	P	17 21 49.8 +0.1
Y41A	Eagle Beard baz=160	25.94 344	P	P	P	17 21 50.0 +0.1
W51A	Cleveland baz=178	25.99 359	P	P	P	17 21 51.4 +1.0
WHTX	Lake Whitney comp=Z,11nm,1.0s	26.00 333	eP	P	P	17 21 49.6 -0.9
WHTX	Lake Whitney baz=149	26.00 333	P	P	P	17 21 51.5 +1.0
W53A	Cullowhee baz=182	26.00	2	P	P	17 21 51.2 +0.6
W49A	Belvidere baz=175	26.02 356	P	P	P	17 21 50.7 0.0
W50A	Signal Mountain comp=Z,71nm,1.1s	26.05 358	eP	P	P	17 21 52.8 +1.9
W50A	Signal Mountain baz=177	26.05 358	P	P	P	17 21 51.1 +0.1
PLAL	Pickwick Lake comp=Z,66nm,1.6s	26.07 352	eP	P	P	17 21 50.0 -1.1
KM5C	Kings Mountain comp=Z,26nm,0.9s	26.08	5	eP	P	17 21 52.4 +1.2
KM5C	Kings Mountain baz=186	26.08	5	P	P	17 21 51.6 +0.4
SWET	Seawane comp=Z,72nm,1.0s	26.09 356	eP	P	P	17 21 52.0 +0.7
W48A	Pulaski baz=174,SNR=5.8	26.09 355	P	P	P	17 21 51.5 +0.2
X43A	Marvell comp=Z,86nm,1.3s	26.11 347	eP	P	P	17 21 49.5 -1.9
CPCT	Cooper Cave comp=Z,29nm,1.0s	26.27 359	eP	P	P	17 21 54.1 +1.2
W47A	Westpoint baz=172,SNR=12	26.27 353	P	P	P	17 21 52.7 -0.2
X42A	Stuttgart baz=163	26.31 346	P	P	P	17 21 52.2 -1.0
W45A	Hickory Valley baz=168,SNR=5.5	26.40 350	P	P	P	17 21 52.9 -1.2
TKL	Tuckaleechee C comp=Z,13nm,0.9s,baz=176,slow=12,SNR=6.5	26.48	0	eP	P	17 21 54.4 -0.4
TKL	Tuckaleechee C comp=Z,13nm,0.9s,baz=176,slow=12,SNR=6.5	26.48	0	eP	P	17 32 49.4
TKL	Tuckaleechee C comp=Z,13nm,0.9s,baz=176,slow=12,SNR=6.5	26.48	0	eP	P	17 21 55.8 +1.0
TKL	Tuckaleechee C comp=Z,13nm,0.9s,baz=176,slow=12,SNR=6.5	26.48	0	eP	P	17 21 55.8 +1.0
V50A	Saluda comp=Z,41nm,1.3s	26.51 358	P	P	P	17 21 55.0 -0.1
V53A	Saluda baz=178	26.51	2	eP	P	17 21 56.4 +1.3
V53A	Saluda comp=Z,81nm,1.6s	26.51	2	P	P	17 21 55.4 +0.2
X40A	Basin Creek Fa comp=Z,12nm,1.0s	26.57 344	eP	P	P	17 21 53.9 -1.6
V51A	Loudon comp=Z,36nm,0.9s	26.62 359	eP	P	P	17 21 57.2 +1.1
V51A	Loudon baz=179,SNR=5.3	26.62 359	P	P	P	17 21 55.8 -0.3
V52A	Sevierville comp=Z,34nm,1.1s	26.66	1	eP	P	17 21 55.4 -1.0
V52A	Sevierville baz=181	26.66	1	P	P	17 21 56.1 -0.3
V48A	Smith Brothers comp=Z,39nm,1.3s	26.68 355	eP	P	P	17 21 56.9 +0.3
V48A	Smith Brothers baz=174					

PDAR	Pinedale Array	40.34 331	eP	P	17 23 53.6	-1.7
PDAR	Pinedale Array	40.34 331	ePcP	PcP	17 25 58.8	+0.7
AGNM	Agassiz Nation	40.36 348	eP	P	17 23 53.2	-1.8
AGNM	Agassiz Nation	40.36 348	P	P	17 23 52.5	-2.6
LRMC	Laurel Mtn Rad	40.41 316	P	P	17 23 55.3	-0.6
HWUT	Hardware Ranch	40.51 328	eP	P	17 23 55.5	-1.2
MPMC	Manual Prospec	40.59 317	P	P	17 23 57.1	-0.3
R11A	Troy Canyon, C	40.67 321	eP	P	17 23 58.0	-0.1
R11A	Troy Canyon, C	40.67 321	P	P	17 23 57.6	-0.5
DAC	Darwin (Calif)	40.78 317	eP	P	17 23 59.6	+0.6
DAC	Darwin (Calif)	40.78 317	eP	P	17 23 59.6	+0.6
BGU	Big Grassy Mou	40.83 326	eP	P	17 23 58.4	-0.9
MDND	Maddock	40.84 344	eP	P	17 23 57.7	-1.4
MDND	Maddock	40.84 344	P	P	17 23 57.2	-1.9
ARVC	Arvin	41.02 315	P	P	17 24 00.2	-0.5
ISA	Isabella, Lake	41.05 315	eP	P	17 24 03.7	+2.6
ISA	Isabella, Lake	41.05 315	P	P	17 24 03.6	+2.6
ISA	Isabella, Lake	41.05 315	P	P	17 24 02.0	+0.9
CWC	Cottonwood Cre	41.20 317	P	P	17 24 03.6	+1.2
HVV	Hansel Valley	41.28 327	eP	P	17 24 03.1	+0.3
HVV	Hansel Valley	41.28 327	eP	P	17 24 03.2	+0.3
REDW	Red Top Meadow	41.42 330	eP	P	17 24 03.6	-0.5
VES	Vestal, Richgr	41.57 315	P	P	17 24 05.5	+0.3
PKM	Mcperson Peak	41.60 314	P	P	17 24 06.9	+1.2
MOOW	Moose Ponds	41.65 331	eP	P	17 24 05.4	-0.6
FXWY	Fox Creek	41.71 330	eP	P	17 24 07.7	-0.9
FXWY	Fox Creek	41.71 330	ePcP	PcP	17 26 04.3	+1.8
RLMT	Red Lodge	42.01 333	eP	P	17 24 07.9	-1.0
RLMT	Red Lodge	42.01 333	eP	P	17 24 08.0	-0.9
YPP	Pitchstone Pla	42.07 331	eP	P	17 24 08.7	-0.9
ULM	Lac du Bonnet	42.23 349	P	P	17 24 08.1	-2.3
ULM	Lac du Bonnet	42.23 349	P	P	17 26 04.4	+0.7
ULM	Lac du Bonnet	42.23 349	ePcP	PcP	17 26 04.4	+0.7
ULM	Lac du Bonnet	42.23 349	eP	P	17 26 04.0	-2.3
PAGB	Antelope Grade	42.33 314	eP	P	17 24 13.0	+1.5
NV11	Mina Array	42.35 319	eP	P	17 24 13.3	+1.5
YMR	Madison River	42.45 331	eP	P	17 24 13.0	+0.5
NV01	Mina Array Sit	42.45 319	eP	P	17 24 13.6	+0.9
NV01	Mina Array Sit	42.45 319	ePcP	PcP	17 24 13.6	+0.6
NVAR	Mina Array Bea	42.45 319	P	P	17 24 13.4	+0.8
NVAR	Mina Array Bea	42.45 319	PcP	PcP	17 26 05.6	+0.6
OMMB	Old Mammoth Mi	42.45 318	eP	P	17 24 15.2	+2.4
MDPB	Devils Postpil	42.52 318	eP	P	17 24 15.4	+2.2
YVB	Horse Bluffs	42.62 331	eP	P	17 24 13.0	-0.9
KVN	Kaiserville	42.67 320	eP	P	17 24 15.6	+1.2
KVN	Kaiserville	42.67 320	eP	P	17 24 15.6	+1.2
RYN	Ryan	42.70 319	eP	P	17 24 15.0	+0.4
DGMT	Dagmar	42.80 340	eP	P	17 24 14.2	-0.8
DGMT	Dagmar	42.80 340	P	P	17 24 13.9	-1.2
WAKR	Walker	43.23 318	eP	P	17 24 20.7	+1.8
BDFB	Brasilia	43.30 124	P	P	17 24 20.5	+0.8
BDFB	Brasilia	43.30 124	P	P	17 45 12.7	
YERR	Yerington	43.37 319	eP	P	17 24 21.7	+1.7
HLID	Hailey	43.38 328	P	P	17 24 19.3	-0.7
BOZ	Boxeman (W)	43.45 332	P	P	17 24 20.2	-0.4
CPUZ	Villa Florida	43.71 144	P	P	17 24 23.8	+0.1
DLMT	Dillon	43.74 331	eP	P	17 24 22.8	-0.1
PAHR	Pah Rah Range	43.86 320	eP	P	17 24 25.5	+1.5
EGMT	Eggleton	44.50 335	P	P	17 24 28.4	-0.4
BEKA	Beckworth	44.58 319	P	P	17 24 31.2	+1.5
WVOR	Wild Horse Val	45.01 324	eP	P	17 24 33.1	+0.1
WVOR	Wild Horse Val	45.01 324	eP	P	17 24 33.1	+0.1
ORV	Oroville	45.15 318	eP	P	17 24 35.9	+1.9
ORV	Oroville	45.15 318	eP	P	17 24 35.9	+1.9
MSO	Missoula	45.45 331	eP	P	17 24 34.7	-1.7
MSO	Missoula	45.45 331	P	P	17 24 35.2	-1.2
J08A	Circle Bar Ran	45.48 325	eP	P	17 24 37.4	+0.7
O03E	Paynes Creek	45.74 319	P	P	17 24 37.8	-1.0
BMO	Blue Mountains	45.79 327	eP	P	17 24 37.6	-1.5
BMO	Blue Mountains	45.79 327	eP	P	17 24 37.6	-1.5
DRLN	Deer Lake	45.80 24	eP	P	17 24 40.1	+1.1
M04C	Maddox	46.57 321	P	P	17 24 44.9	-0.5
M02C	Callahan	47.00 320	P	P	17 24 48.2	-0.5
YBH	Yreka Blue Hor	47.09 320	P	P	17 24 49.3	-0.1
L04D	Klamath Falls	47.10 321	P	P	17 24 48.4	-1.1
E09A	Wood Farm, Sta	47.32 328	eP	P	17 24 50.6	-0.3
J04D	Umpqua Nationa	47.55 322	P	P	17 24 51.5	-1.6
SCHO	Schefferville	47.67 13	P	P	17 24 52.9	-0.6
SCHO	Schefferville	47.67 13	P	P	17 46 00.6	
SCHO	Schefferville	47.67 13	P	P	17 24 53.0	-0.6
FFC	Flin Flon	47.74 346	eP	P	17 24 53.1	-1.0
FFC	Flin Flon	47.74 346	eP	P	17 24 53.1	-1.0

FFC	comp=Z,32nm,1.8s					
I04A	Tendick Farm,	48.04 323	P	P	17 24 54.6	-2.1
C09A	Chisman Ranch	48.24 329	eP	P	17 24 57.1	-1.0
G05D	Wamic, OR	48.25 325	P	P	17 24 58.6	+0.3
E07A	Sunnyside	48.25 327	eP	P	17 24 58.0	-0.2
FCC	Fort Churchill	50.18 353	eP	P	17 25 11.6	-1.1
FCC	Fort Churchill	50.18 353	eP	P	17 25 11.6	-1.1
PLCA	Paso Flores	51.08 167	P	P	17 25 19.9	+0.1
PLCA	Paso Flores	51.08 167	eP	P	17 25 19.6	-0.2
PLCA	Paso Flores	51.08 167	eP	P	17 25 19.6	-0.2
YKA	Yellowknife Ar	57.77 344	P	P	17 26 06.8	-1.2
YKA	Yellowknife Ar	57.77 344	P	P	17 27 01.6	+1.3
YKBS	Yellowknife Ar	57.77 344	eP	P	17 26 06.3	-1.7
YKWS	Yellowknife Ar	57.82 344	eP	P	17 26 06.8	-1.6
TAOE	Nuku Hiva Isla	58.65 254	eT	T	18 29 28.8	
RKT	Rikitea	59.21 236	eT	T	18 30 04.0	
DLBC	Dease Lake	60.40 334	eP	P	17 26 27.1	+0.6
SFJD	Kangerlussuaq	62.10 14	P	P	17 26 36.1	-1.5
EFI	East Fkland	64.50 162	iP	P	17 26 55.7	+2.0
RES	Resolute Bay	65.89 357	eP	P	17 27 01.0	-1.4
RES	Resolute Bay	65.89 357	eP	P	17 27 01.0	-1.4
RES	Resolute Bay	65.89 357	eP	P	17 27 01.0	-1.4
DAWY	Dawson	67.21 337	eP	P	17 27 10.6	-0.5
EPYK	Eagle Plains	67.39 340	P	P	17 27 11.7	-0.5
INK	Inuvik	67.43 342	eP	P	17 27 12.2	-0.1
INK	Inuvik	67.43 342	eP	P	17 27 12.7	+0.3
INK	Inuvik	67.43 342	eP	P	17 27 12.7	+0.3
TULEG	Thule	67.95 4	eP	P	17 27 14.7	-0.8
EGAK	Eagle	68.22 337	eP	P	17 27 17.6	+0.2
DOT	Dot Lake	68.89 336	eP	P	17 27 22.4	+0.8
SCRK	Sand Creek	68.99 336	eP	P	17 27 23.1	+0.8
SUMG	Summit	69.06 13	iP	P	17 27 22.5	-0.5
SUMG	Summit	69.06 13	iP	P	17 27 22.5	-0.5
SUMG	Summit	69.06 13	iP	P	17 27 22.5	-0.5
RIDG	Independ'e R1	69.25 335	eP	P	17 27 24.1	+0.2
PPT2	Papeete2	69.94 248	eS	S	17 36 36.9	+0.5
PPT2	Papeete2	69.94 248	eLR	LR	17 48 46.7	
IL1	Eilean Array	70.46 336	eP	P	17 27 30.8	-0.4
ILAR	Eilean Array	70.46 336	P	P	17 27 31.1	-0.2
ILAR	Eilean Array	70.46 336	P	P	18 03 21.6	
ILB	Poker Plat Res	70.80 336	P	P	17 27 31.1	-0.2
POKR	Poker Plat Res	70.80 336	P	P	17 27 33.1	-0.2
RND	Reindeer	70.80 334	eP	P	17 27 34.3	+0.8
RND	Reindeer	70.80 334	eP	P	17 27 34.3	+0.8
TBI	Tubuai	71.59 242	eS	S	17 36 56.8	+1.6
MLY	Manley	72.10 336	eP	P	17 27 41.2	0.0
SCO	Scoresbysund	72.38 18	iP	P	17 27 41.4	-1.3
COLD	Coldfoot	72.58 338	eP	P	17 27 44.7	+0.7
IM3	Indian Mountain	73.57 336	eP	P	17 27 48.9	-0.9
PMSA	Palmer Station	75.14 171	LR	LR	17 57 23.4	
DAG	Danmarks Havn	75.70 12	P	P	17 28 00.6	-1.4
DAG	Danmarks Havn	75.70 12	P	P	17 28 00.8	-1.2
DAG	Danmarks Havn	75.70 12	P	P	17 28 08.8	+0.6
ESDC	Sonsecq Array	76.65 51	P	P	17 55 41.4	
ESDC	Sonsecq Array	76.65 51	P	P	17 28 08.8	+0.3
ES19	SONSECQ Array	76.70 51	eP	P	17 28 17.3	+0.2
TIC	Toumodi	78.17 85	eP	P	17 28 17.5	+0.1
LIC	Lamto	78.22 86	eP	P	17 28 17.5	+0.1
DBIC	Dimbokro	78.33 85	P	P	17 28 18.0	0.0
DBIC	Dimbokro	78.33 85	P	P	18 01 15.3	
DBIC	Dimbokro	78.33 85	eP	P	17 28 18.4	+0.4
DBIC	Dimbokro	78.33 85	eP	P	17 28 18.4	+0.4
KIC	Kosan Boka	78.49 85	eP	P	17 28 19.1	+0.2
CLF	Chambon-For	80.86 43	eP	P	17 28 31.6	+0.6
DOU	Dourbes	82.25 41	iP	P	17 28 38.5	+0.1
WLF	Walfardange	83.29 41	iP	P	17 28 44.3	+0.5
SPTS	Spitsbergen Ar	83.32 12	P	P	17 28 43.1	-0.4
TOA1	Torodi Ar. Sit	83.85 78	eP	P	17 28 45.8	-1.6
TOA0	Torodi Ar. Sit	83.86 78	eP	P	17 28 46.6	-0.8
TORD	Torodi Ar. Bea	83.86 78	P	P	17 28 45.8	-1.6
TORD	Torodi Ar. Bea	83.86 78	P	P	18 02 34.2	
ECH	Echery	84.11 42	eP	P	17 28 48.0	-0.1
ECH	Echery	84.11 42	eP	P	17 28 48.0	-0.1
NB2	NORSAR Subarra	84.68 29	P	P	17 28 50.6	-0.1
NB20	NORSAR Array S	84.68 29	P	P	17 28 50.9	+0.2
NOA	NORSAR Array B	84.68 29	P	P	17 28 50.9	+0.2
NOA	NORSAR Array B	84.68 29	P	P	18 06 13.4	
TNS	Tausms Mts	84.70 40	P	P	17 28 51.3	+0.3
TNS	Tausms Mts	84.70 40	P	P	17 28 51.3	+0.3
SLE	Schleihtheim	85.06 43	P	P	17 28 51.2	-1.7
BSEG	Bad Segeberg	85.31 36	P	P	17 28 54.2	+0.3
BSEG	Bad Segeberg	85.31 36	P	P	17 28 54.7	+0.3
STU	Stuttgart	85.38 42	P	P	17 28 54.7	+0.3
TRO	Tromso	86.05 20	P	P	17 28 57.5	+0.3
DAVA	Damuels	86.06 43	iPcP	P	17 28 59.2	+1.2

TAM	Tamanrasset	86.14 68	eP	P	17 29 00.3	+1.4
TAM	Tamanrasset	86.14 68	eP	P	17 29 00.3	+1.4
GRFO	Grafenberg Arr	86.55 40	P	P	17 29 00.2	0.0
GRFO	Grafenberg Arr	86.55 40	P	P	17 29 00.2	0.0
GRF	Grafenberg Arr	86.55 40	P	P	17 29 00.2	0.0
GRF	Grafenberg Arr	86.55 40	P	P	17 29 01.2	+0.5
MOX	Moxa	86.63 39	P	P	17 29 01.0	+0.4
FETA	Feichten	86.68 43	iPcP	P	17 29 01.2	+0.2
MOTA	Mosalm	86.87 43	iPcP	P	17 29 02.8	+0.8
SQTA	Sankt Quirin	86.97 43	iPcP	P	17 29 03.4	+1.0
NKC	Novy Kostel	87.23 40	P	P	17 29 03.9	+0.4
CLL	Colim	87.37 39	eP	P	17 29 04.6	+0.5
CLL	Colim	87.37 39	iP	P	17 29 04.1	0.0
CLL	Colim	87.37 39	iP	P	17 29 10.4	
CLL	Colim	87.37 39	iP	P	17 29	

13d 17h

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

ISC 13 17:19:32.0±0.3, 37.70N:144.22E, h0km, mb3.3/3, mb1 3.5/24, mb1mx4.4/45, mbtmp4.4/24, ML3.4/2, Error ellipse: s-maj=54.3km s-min=26.7km az=73.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Continuation of seismic station data.

ISC 13 17:20:23.0±0.6, 9.44N:83.70W, h0km, mb4.3/21, mb1 4.5/24, mb1mx4.4/45, mbtmp4.4/24, ML3.0/2, Error ellipse: s-maj=21.4km s-min=10.1km az=41.0

2012 DEC

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations and their parameters.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Continuation of seismic station data.

W41B Gary Mavity, V comp=Z,18nm,1.1s	27.05 345 eP	P	17 26 06.0 -0.4
W41B Gary Mavity, V bazz=162	27.05 345 P	P	17 26 06.3 -0.1
WVT Waverly comp=Z,56nm,1.8s	27.16 353 eP	P	17 26 05.6 -1.8
WVT Waverly bazz=172	27.16 353 P	P	17 26 07.0 -0.3
WHAR Woolly Hollow comp=Z,47nm,1.4s	27.17 345 eP	P	17 26 06.5 -1.0
U53A Fall Branch bazz=183	27.20 3 P	P	17 26 08.0 +0.2
U50A Jamestown bazz=179	27.23 359 P	P	17 26 07.2 -0.8
LTX Lajitas 27.32 320 eP	P	17 26 08.8 -0.2	
TXAR Lajitas Array comp=Z,1.2nm,0.9s,bazz=138,slow=6.8,SNR=3.2	27.32 320 eP	P	17 26 08.8 -0.2
TX31 Lajitas Ar. Si	27.32 320 eP	P	17 26 08.7 -0.3
V42A Cord bazz=177	27.45 347 P	P	17 26 09.2 -0.8
GLAT Glass comp=Z,53nm,0.8s	27.50 351 eP	P	17 26 10.3 -0.1
W39A Magazine comp=Z,10nm,1.4s	27.50 342 eP	P	17 26 09.3 -1.1
W39A Magazine bazz=159	27.50 342 P	P	17 26 09.3 -1.1
ABTX Abilene, Hawle comp=Z,7nm,1.0s	27.54 331 eP	P	17 26 10.6 -0.3
V41A Mountainview bazz=162	27.61 346 P	P	17 26 10.6 -0.8
T51A Gray bazz=180	27.77 0 P	P	17 26 13.4 +0.6
T47A Sharon Grove comp=Z,14nm,1.0s	27.93 355 eP	P	17 26 13.5 -0.8
U42A Revenden bazz=164,SNR=8.2	27.94 347 P	P	17 26 13.2 -1.1
T49A Edmonton comp=Z,61nm,1.8s	27.94 357 eP	P	17 26 13.4 -1.0
T49A Edmonton bazz=177	28.07 353 P	P	17 26 14.4 -1.1
PBMO Poplar Bluff comp=Z,16nm,1.1s	28.19 349 eP	P	17 26 15.3 -1.3
U40A Yellville bazz=181	28.33 345 P	P	17 26 17.0 -0.8
S51A Beattyville comp=Z,14nm,0.8s	28.44 1 eP	P	17 26 19.2 +0.4
S51A Beattyville bazz=181	28.44 1 P	P	17 26 19.3 +0.4
S50A Richmond bazz=179	28.48 359 P	P	17 26 19.8 +0.6
S47A Hartford bazz=174	28.51 355 P	P	17 26 19.1 -0.4
T42A Van Buren comp=Z,27nm,1.4s	28.56 348 eP	P	17 26 18.5 -1.2
T42A Van Buren bazz=165,SNR=6.1	28.56 348 P	P	17 26 18.5 -1.5
S49A Springfield bazz=177	28.61 358 P	P	17 26 19.5 -0.8
S43A Fulton Ridge, bazz=167	28.90 350 P	P	17 26 21.9 -1.0
SIUC Southern Illin comp=Z,16nm,0.9s	28.90 351 eP	P	17 26 21.1 -1.8
R50A Paris bazz=179	28.98 359 P	P	17 26 24.3 -0.2
WCI Wyandotte Cave comp=Z,18nm,1.0s	29.10 356 eP	P	17 26 23.8 -0.9
WCI Wyandotte Cave bazz=175	29.10 356 P	P	17 26 24.2 -0.5
R51A Hillsboro bazz=181,SNR=6.0	29.10 1 P	P	17 26 25.0 +0.3
R49A Shelbyville bazz=178	29.11 358 P	P	17 26 24.1 -0.6
R46A Gibon Southern bazz=173	29.18 354 P	P	17 26 24.9 -0.5
S41A Jillico Farms, bazz=167	29.24 347 P	P	17 26 25.5 -0.4
R48A Northridge Ran bazz=176	29.25 357 P	P	17 26 26.2 +0.3
R58B Mineral comp=Z,46nm,1.6s	29.29 10 eP	P	17 26 26.5 +0.1
R58B Mineral bazz=192	29.29 10 P	P	17 26 26.5 +0.1
R45A Skyjar, Fairfir bazz=171	29.35 353 P	P	17 26 25.9 -0.9
R44A Waltonville bazz=170	29.41 352 P	P	17 26 26.4 -0.9
R43A Red Bud bazz=168	29.56 351 P	P	17 26 28.1 -0.7
CCM Cathedral Cave comp=Z,16nm,0.8s	29.59 348 eP	P	17 26 28.0 -1.0
CCM Cathedral Cave bazz=165	29.59 348 P	P	17 26 27.2 -1.8
R42A Luebbering bazz=166	29.72 349 P	P	17 26 28.7 -1.4
OLIL Olney comp=Z,49nm,1.4s	29.76 354 eP	P	17 26 27.1 -3.4
Q52A Bidwell bazz=183	29.80 3 P	P	17 26 31.0 +0.1
Q47A Bedord North L bazz=175	29.81 356 P	P	17 26 30.4 -0.6
Q49A Aurora bazz=178	29.82 359 P	P	17 26 30.6 -0.4
Q51A Peebles comp=Z,28nm,0.8s	29.83 1 eP	P	17 26 31.2 0.0
Q51A Peebles bazz=181,SNR=6.2	29.83 1 P	P	17 26 31.2 0.0
R41A Rosebud bazz=165	29.84 348 P	P	17 26 30.2 -1.1
Q45A Warren Harvey, bazz=172	29.93 354 P	P	17 26 31.1 -0.9
Q44A Meyer Farm, Va comp=Z,115nm,1.9s	30.04 352 eP	P	17 26 31.8 -1.2
Q44A Meyer Farm, Va bazz=170	30.04 352 P	P	17 26 32.3 -0.7
Q42A Golden Eagle bazz=167	30.28 350 P	P	17 26 34.1 -1.1
P48A Milroy bazz=177	30.29 358 P	P	17 26 34.4 -0.8
P51A Williamsport bazz=182	30.29 1 P	P	17 26 34.6 -0.6
P53A Whipple bazz=185	30.38 4 P	P	17 26 36.4 +0.5
P50A Jamestown bazz=180	30.41 0 P	P	17 26 35.5 -0.7
Q41A Truxton bazz=166,SNR=6.5	30.45 349 P	P	17 26 35.9 -0.7
P46A Rosedale bazz=174	30.55 355 P	P	17 26 37.4 -0.1
P42A Winchester bazz=168	30.91 350 P	P	17 26 39.4 -1.2
O50A Cable bazz=181,SNR=5.2	30.95 1 P	P	17 26 40.7 -0.3
O51A Pataaskala bazz=187	30.97 2 P	P	17 26 40.7 -0.5
O49A Covington comp=Z,30.9nm,0.9s	30.99 360 P	P	17 26 40.7 -0.6
ACSO Alum Creek Sta comp=Z,36nm,1.0s	31.04 2 eP	P	17 26 41.0 -0.9
ACSO Alum Creek Sta bazz=182	31.04 2 P	P	17 26 41.6 -0.2
O48A Farmland bazz=178	31.07 358 P	P	17 26 41.3 -0.8
O47A Sheridan bazz=176	31.09 357 P	P	17 26 41.3 -1.0
SFIN Lafayette bazz=174	31.30 355 P	P	17 26 42.6 -1.5
N50A Nevada bazz=182	31.58 1 P	P	17 26 45.8 -0.8
N48A Decatur bazz=178	31.67 359 P	P	17 26 46.4 -1.0
N49A Columbus Grove bazz=189	31.72 360 P	P	17 26 46.7 -1.1
N51A Ashland bazz=183	31.75 2 P	P	17 26 46.9 -1.1
N45A Kentland bazz=173	31.80 355 P	P	17 26 47.5 -1.0
N44A Piper City bazz=172	31.80 354 P	P	17 26 47.2 -1.4
SSPA Standing Stone bazz=191	31.90 9 P	P	17 26 49.2 -0.2
N54A Moraine State bazz=187	31.96 6 P	P	17 26 49.6 -0.4
N42A Yates City bazz=169,SNR=5.5	32.08 351 P	P	17 26 49.5 -1.4
N41A Harden Midland comp=Z,18nm,0.8s	32.09 350 eP	P	17 26 49.8 -1.2

N41A Harden Midland bazz=167	32.09 350 P	P	17 26 49.8 -1.2
M49A Liberty Center bazz=180	32.27 0 P	P	17 26 52.7 0.0
M43A Walam Townsh bazz=171	32.53 353 P	P	17 26 56.2 +1.3
M54A Oil Creek Stat bazz=188	32.53 6 P	P	17 26 54.8 -0.1
N59A State Game Lan bazz=185	32.55 12 P	P	17 26 55.4 +0.4
M41A Milan bazz=168	32.69 351 P	P	17 26 55.0 -1.2
L48A N Adams bazz=179	32.74 359 P	P	17 26 56.0 -0.8
PAL Palisades bazz=198	33.04 14 P	P	17 26 59.2 -0.1
M39A Webster bazz=165	33.07 349 P	P	17 26 58.2 -1.5
L42A Olivet, Polo comp=Z,24nm,0.8s	33.18 352 eP	P	17 26 59.2 -1.4
L42A Oliver, Polo bazz=170	33.18 352 P	P	17 26 59.0 -1.6
L43A Garden Prairie bazz=171	33.24 354 P	P	17 26 58.9 -2.2
L41A Preston bazz=168,SNR=6.9	33.37 351 P	P	17 26 60.0 -2.2
L40A Anamosa comp=Z,32nm,0.8s	33.47 350 eP	P	17 27 01.7 -1.4
L40A Anamosa bazz=167,SNR=6.6	33.47 350 P	P	17 27 01.2 -1.9
K47A Vermontville bazz=179	33.48 359 P	P	17 27 01.8 -1.4
BINY Binghamton bazz=194	33.74 11 P	P	17 27 05.2 -0.3
K41A Shullsburg bazz=169	33.86 352 P	P	17 27 04.2 -2.2
K40A Colesburg bazz=167	34.08 351 P	P	17 27 06.1 -2.3
JFWS Jewell Farm bazz=169	34.15 352 P	P	17 27 06.8 -2.3
K39A Oelwein bazz=166	34.21 350 P	P	17 27 06.9 -2.7
J41A Loganville bazz=169	34.56 352 P	P	17 27 09.8 -2.8
J40A Soldiers Grove comp=Z,2.0nm,1.1s	34.69 351 P	P	17 27 11.4 -2.3
LVC Limon Verde comp=Z,2.0nm,0.5s,bazz=138,slow=19,SNR=3.1	34.79 155 P	P	17 27 18.3 +3.2
I42A Draeger Farm, bazz=171	34.95 354 P	P	17 27 14.1 -1.8
W18A Petrified Fore comp=Z,14nm,1.0s	35.00 322 eP	P	17 27 15.3 -1.5
I40A Norwalk bazz=168	35.16 352 P	P	17 27 16.3 -1.5
I41A Arkdale bazz=170	35.23 353 P	P	17 27 16.3 -2.0
I39A Houston comp=Z,26nm,0.8s	35.26 351 eP	P	17 27 16.8 -1.9
I39A Houston bazz=167,SNR=5.7	35.26 351 P	P	17 27 16.3 -2.3
X16A Lo Mia Camp, P comp=Z,6.0nm,0.8s	35.63 319 eP	P	17 27 23.5 +1.4
H40A Chili bazz=169	35.85 352 P	P	17 27 22.0 -1.6
H56A Elgin bazz=193	36.02 9 P	P	17 27 23.6 -1.5
H39A Augusta bazz=168	36.03 351 P	P	17 27 23.2 -2.0
H38A Maiden Rock bazz=166	36.19 350 P	P	17 27 24.9 -1.7
ECDSD EROS Data Cent comp=Z,5nm,1.0s	36.24 344 eP	P	17 27 25.7 -1.3
LONY Lake Ozonia comp=Z,27nm,2.0s	36.35 11 eP	P	17 27 26.4 -1.5
LONY Lake Ozonia bazz=196	36.35 11 P	P	17 27 26.9 -1.1
LBNH Lisbon bazz=200	36.58 15 P	P	17 27 28.8 -1.1
G38A Ridgeland bazz=167,SNR=6.0	36.60 351 P	P	17 27 28.0 -2.0
G39A Holcomb bazz=188,SNR=7.7	36.61 352 P	P	17 27 28.2 -1.9
SPMN Marine on St. comp=Z,22nm,0.8s	36.81 350 eP	P	17 27 29.8 -2.1
SPMN Marine on St. bazz=165,SNR=5.4	36.81 350 P	P	17 27 30.0 -1.8
F40A Park Falls bazz=170	37.09 353 P	P	17 27 32.4 -1.8
GLA Glamis comp=Z,15nm,1.0s	37.12 315 eP	P	17 27 37.0 +2.3
F39A Lota bazz=169	37.19 352 P	P	17 27 34.3 -0.8
F55A Otter Lake bazz=192	37.22 9 P	P	17 27 35.0 -0.3
F38A Pies-a-Schro bazz=167,SNR=6.5	37.37 351 P	P	17 27 34.6 -2.0
E54A Lac Duplat, Po bazz=191	37.69 8 P	P	17 27 39.8 +0.6
D48A Paudash Townsh bazz=183	38.02 2 P	P	17 27 41.0 -1.0
D51A Lot 18 Range I bazz=187	38.09 5 P	P	17 27 41.8 -0.8
D50A G1974 Best Tow bazz=187	38.13 5 P	P	17 27 42.1 -0.9
D49A Beulah Townshi bazz=184	38.13 3 P	P	17 27 42.4 -0.7
PKME Peake-Kenny Pk bazz=182	38.23 17 P	P	17 27 43.5 -0.3
D53A Lac Vavise, Po bazz=190	38.26 7 P	P	17 27 43.7 -0.3
BELC Belle Mtn. Jos bazz=123	38.45 315 P	P	17 27 45.5 -0.6
D54A Lac Isabel, La bazz=192	38.46 8 P	P	17 27 45.8 0.0
GMRC Granite Mounta bazz=124	38.65 316 P	P	17 27 49.4 +1.6
MURC Murietta bazz=121	39.09 314 P	P	17 27 51.9 +0.6
TUQ Turquoise Moun bazz=124	39.19 317 P	P	17 27 52.5 +0.3
GSC Goldstone, Bar bazz=123	39.72 316 P	P	17 27 57.7 +1.1
PSUT Pine Spring comp=Z,3.2nm,0.7s	39.73 322 eP	P	17 27 57.6 +0.8
BFSC Mount Baldy Ra bazz=121	39.75 314 P	P	17 27 58.1 +1.2
LMN Caledonia Moun comp=Z,34nm,0.9s	40.19 21 eP	P	17 28 01.6 +1.4
TPNV Topopah Spring comp=Z,27nm,1.9s	40.27 319 eP	P	17 28 03.5 +2.3
TPNV Topopah Spring bazz=125	40.27 319 P	P	17 28 03.1 +1.8
EDW2 Edwards Air Fo bazz=121	40.32 315 P	P	17 28 02.8 +1.3
PD31 Pinedales Array bazz=121	40.34 331 eP	P	17 28 00.7 -1.2
PDAR Pinedale Array comp=Z,1.0nm,0.9s,bazz=60,slow=4.3,SNR=3.2	40.34 331 P	PcP	17 28 00.7 -1.2
PDAR Pinedale Array bazz=117,slow=3.1,SNR=3.9	40.35 348 eP	P	17 27 59.7 -1.8
AGMN Agassiz Nation comp=Z,12nm,0.9s	40.35 348 P	P	17 28 05.5 -1.1
LRMC Laurel Mtn Rad bazz=162	40.42 316 P	P	17 28 04.0 +1.6
MPMC Manual Prospec bazz=123,SNR=5.2	40.60 317 P	P	17 28 04.7 +0.7
R11A Troy Canyon, C bazz=123,SNR=1.5s	40.68 321 eP	P	17 28 05.5 +0.8
R11A Troy Canyon, C bazz=127	40.68 321 P	P	17 28 05.5 +0.8
MDND Maddock comp=Z,26nm,0.8s	40.84 344 eP	P	17 28 04.0 -1.6
MDND Maddock bazz=156	40.84 344 P	P	17 28 05.0 -0.6
ARVC Arvin bazz=121	41.03 315 P	P	17 28 07.6 +0.3
ISA Isabella, Lake comp=Z,10nm,1.4s	41.06 315 eP	P	17 28 09.2 +1.5
ISA Isabella, Lake bazz=122	41.06 315 P	P	17 28 09.5 +1.8
CWC Cottonwood Cre comp=Z,10nm,1.1s	41.20 317 P	P	17 28 10.4 +1.4
REDW Red Top Meadow comp=Z,10nm,1.1s	41.42 330 eP	P	17 28 09.5 -1.2
VES Vestal, Richgr bazz=121	41.58 315 P	P	17 28 11.9 +0.1
PKM McPherson Peak bazz=121	41.61 314 P	P	17 28 10.9 -1.5

bazz=119	42.22 349 P	P	17 28 14.4 -2.4
ULM Lac du Bonnet comp=Z,12nm,0.8s,bazz=160,slow=7.4,SNR=12	42.22 349 eP	P	17 28 14.4 -2.4
ULM Lac du Bonnet bazz=172	42.22 349 eP	P	17 28 14.4 -2.4
PAGB Antelope Grade comp=Z,32nm,1.2s	42.34 314 P	P	17 28 16.9 -1.2

s-min=44.9km az=33.0, Guatemala

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
CMIG	Matias Romero	4.32 30	Op Pn	19 04 21.9 -0.5	ISC
CMIG	1.5m,0.3s,baz=85,slow=23,SNR=4		Sn	19 05 13.4 -0.1	
TXAR	Lajitas Array	18.74 23	Pn	19 07 37.2 +0.8	
SJG	San Juan	24.56 78	LR	19 16 47.2	
YKA	Yellowknife Ar	50.84 34	P	19 12 17.3 -0.3	
CMAR	Chiang Mai Arr	145.86 342	PKPbc	19 22 56.8 -0.4	

IDC 13 19:05:24.7-1.9,6.81S:129.10E,h0km,mb3.2/1, mb1 3.6/4,mb1mx3.4/28,mbtmp3.4/4,ML3.4/3,Error ellipse: s-maj=51.6km s-min=30.3km az=76.0, Banda Sea

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
BATI	Baumata	6.35 32	Op Pn	19 06 58.7 -0.9	
BATI	0.9m,0.3s,baz=85,slow=11,SNR=3.4		Sn	19 07 59.1 -1.4	
WRA	Warramunga Arr	14.02 159	Pn	19 08 44.6 -0.1	
WRA	0.2m,0.3s,baz=340,slow=13,SNR=1.4		Sn	19 11 08.7 -1.2	
ASAR	Alma Springs	17.39 165	P	19 09 29.4 +0.5	
MKAR	Makanchi Array	67.58 327	P	19 16 23.3 +0.1	

ANF 13 19:05:51.1±0.3,37.06N:104.87W,ML3.5/14, Error ellipse: s-maj=2.6km s-min=2.0km az=177.0, NEIC 13 19:05:51.8,0.3,36.97N:104.81W,h5km,MN3.3, Error ellipse: s-maj=4.2km s-min=3.8km az=205.0, NEIC Felt at Trinidad, Colorado.

ISC 13 19:05:52.4:1.4,37.01N:103.10478W,0.03,h5km±12km, n77,r152/87,Colorado

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
T25A	Trinidad	0.33 66	Op Pn	19 05 58.6 -0.2	
T25A	0.3m,0.3s,baz=85,slow=11,SNR=3.4		Sb	19 05 58.5 -0.2	
SDCO	Great Sand Dun	0.94 322	Op Pn	19 06 07.5 -3.9	
SDCO	0.94 322		Pb	19 06 07.6 -3.8	
SDCO	0.94 322		Sb	19 06 19.5 -4.7	
S22A	4UR Ranch, Cre	1.79 295	Op Pn	19 06 23.2 -1.1	
S22A	1.79 295		Pn	19 06 23.3 -1.0	
Q24A	Divide	1.98 352	Op Pn	19 06 26.8 -0.1	
Q24A	1.98 352		Pn	19 06 27.2 +0.3	
Q24A	1.98 352		Sn	19 06 52.7 +0.4	
ANMO	Albuquerque	2.46 214	Op Pn	19 06 32.2 -1.3	
ANMO	2.46 214		Sb	19 07 04.8 +0.8	
ANMO	2.46 214		Sb	19 06 32.2 -1.3	
ANMO	2.46 214		S	19 07 05.0 +0.9	
KSCO	Kaye Shedlock	2.63 40	Op Pn	19 06 37.1 +1.5	
KSCO	2.63 40		Sb	19 07 12.2 -0.5	
KSCO	2.63 40		Pb	19 06 39.2 -0.8	
KSCO	2.63 40		Sb	19 07 13.3 +0.5	
SMCO	Snowmass	2.77 322	Op Pn	19 06 38.0 0.0	
ISCO	Idaho Springs	2.87 347	Op Pn	19 06 40.8 +1.7	
ISCO	2.87 347		Pn	19 06 41.1 +1.9	
ISCO	2.87 347		Sb	19 07 19.9 +0.1	
MVCO	Mesa Verde	2.98 275	Op Pn	19 06 39.9 -0.7	
MVCO	2.98 275		Sb	19 07 21.4 -1.5	
MVCO	2.98 275		Pb	19 06 44.5 -1.6	
MVCO	2.98 275		Sb	19 07 21.6 -1.3	
LPM	Los Pinos Moun	3.08 210	Op Pn	19 06 40.7 -1.3	
PV01	Paradox Valley	3.21 292	Op Pn	19 06 44.1 +0.2	
PV11	David Mesa, Pa	3.49 293	Op Pn	19 06 42.4 -1.3	
LAZ	Ladron	3.23 217	Op Pn	19 06 42.4 -1.6	
AMTX	Amarillo	3.29 129	Op Pn	19 06 44.8 +0.1	
AMTX	3.29 129		Pn	19 06 44.9 +0.2	
AMTX	3.29 129		S	19 07 32.0 +0.3	
LENM	Lemitar	3.35 213	Op Pn	19 06 43.2 -2.4	
PV02	Paradox Valley	3.36 292	Op Pn	19 06 45.7 -0.2	
PV13	Radium Mtn., P	3.41 291	Op Pn	19 06 47.3 +0.8	
MSTX	Muleshoe	3.44 151	Op Pn	19 06 45.0 -1.0	
MSTX	3.44 151		Sb	19 07 36.4 +0.2	
PV12	Saucer Basin,	3.45 294	Op Pn	19 06 47.4 +0.4	
PV03	Paradox Valley	3.46 292	Op Pn	19 06 46.8 -0.4	
PV11	David Mesa, Pa	3.49 293	Op Pn	19 06 46.4 -1.3	
PV22	Blue Mesa, Par	3.52 297	Op Pn	19 06 47.3 -0.7	
PV16	Nyswonger Mesa	3.53 293	Op Pn	19 06 47.5 -0.7	
PV17	East Wray Mesa	3.55 292	Op Pn	19 06 48.5 +0.1	
PV19	Morning Glory	3.58 293	Op Pn	19 06 48.8 -0.1	
PV20	West Nyswonger	3.59 293	Op Pn	19 06 49.2 +0.4	
PV05	Paradox Valley	3.59 289	Op Pn	19 06 49.1 +0.1	
PV14	Lion Creek, Pa	3.63 293	Op Pn	19 06 50.5 +0.9	
PV10	Paradox Valley	3.64 293	Op Pn	19 06 49.4 -0.4	
PV23	Carpenter Ridg	3.65 295	Op Pn	19 06 49.6 -0.2	
PV21	Cone Mtn., Par	3.67 296	Op Pn	19 06 49.8 -0.3	
PV09	Paradox Valley	3.70 295	Op Pn	19 06 50.5 +0.5	
N23A	Red Feather La	3.99 347	Op Pn	19 06 54.6 +0.1	
O20A	White River Ci	4.14 320	Op Pn	19 06 57.3 +0.8	
PHWY	Pilot Hill	4.32 353	Op Pn	19 06 58.3 -0.8	
CBKS	Cedar Bluff	4.38 64	Op Pn	19 06 59.6 0.0	
CBKS	4.38 64		Pn	19 06 59.7 0.0	
W18A	Petrified Fore	4.43 246	Op Pn	19 07 01.0 +0.4	
W18A	4.43 246		Pb	19 07 01.5 -0.3	
OGNE	Ogallala	4.48 28	Op Pn	19 07 02.0 +1.0	
U32A	Winter Ranch,	4.69 96	Op Pn	19 07 05.0 +1.1	
GDL2	Guadalupe Moun	4.81 176	Op Pn	19 07 04.9 -0.7	
X18A	Snowflake	4.87 241	Op Pn	19 07 04.8 -1.8	
SRU	San Rafael Swe	5.00 297	Op Pn	19 07 07.5 -0.7	
P16A	Preston Nutter	5.05 316	Op Pn	19 07 07.6 -1.4	
RWWY	Rawlins	5.04 339	Op Pn	19 07 07.6 -1.4	
121A	Cookes Peak, D	5.10 210	Op Pn	19 07 08.4 -1.3	
P17A	Butcher Ranch,	5.30 300	Op Pn	19 07 12.3 -0.1	
MNTX	Cornudas Moun	5.32 186	Op Pn	19 07 10.9 -1.6	
MNTX	5.32 186		Pb	19 07 26.3 +0.4	
WMOK	Wichita Mounta	5.37 113	Op Pn	19 07 12.9 -0.4	
Q16A	Castle Valley	5.50 293	Op Pn	19 07 12.0 -1.8	
WUJAZ	Wupatki	5.52 256	Op Pn	19 07 14.6 -1.0	
TMUT	Trail Mountain	5.55 296	Op Pn	19 07 12.9 -0.3	
K22A	Casper	5.80 347	Op Pn	19 07 17.4 -1.9	
MTPU	Mount Pierson	5.97 282	Op Pn	19 07 19.3 -2.6	
X16A	Lo Mia Camp, P	6.00 246	Op Pn	19 07 18.6 -3.5	
PKCU	Pink Cliffs	6.02 276	Op Pn	19 07 21.8 -0.7	
PKCU	6.02 276		Sb	19 06 57.2 +6.5	
U15A	North Rim	6.06 267	Op Pn	19 07 22.2 -0.4	
KNB	Kanab	6.43 273	Op Pn	19 07 26.2 -1.8	
LCMT	Little Creek M	6.77 273	Op Pn	19 07 54.0 +3.3	
PD31	Pinedale Array	6.83 329	Op Pn	19 07 33.0 +0.3	
PDAR	Pinedale Array	6.83 329	Op Pn	19 07 32.4 -1.1	
CCUT	Cedar City	6.85 277	Op Pn	19 07 32.5 -1.4	
RSSD	Black Hills	7.13 4	Op Pn	19 07 34.9 -2.8	
TUL1	Leonard	7.33 96	Op Pn	19 07 37.8 -2.3	

DDA 13 19:35:51.9,37.85N:36.66E,h7km,ML2.6

ISC 13 19:35:51.9,37.81N:36.63E,h9km,ML2.1/4
 ENIC 13 19:35:52.0:0.6,37.85N:104.81W,h5km,ML1.0/4, h6km,5km,
 Error ellipse: s-maj=5.6km s-min=4.9km az=38.2
 ISC 13 19:35:51.8:1.2,37.84N:103.36:62E:0.03,h7km±10km,
 n14,r0564/23,Turkey

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
ANDN	Andirir	0.34 221	Op Pn	19 35 58.8 +0.5	
ANDN	0.34 221		Sb	19 36 04.3 -0.9	
KMRS	Kahramanmaras	0.40 146	Op Pn	19 35 59.6 +0.1	
KMRS	0.40 146		Pg	19 36 05.2 +0.5	
SAIM	ADANA	0.45 288	Op Pn	19 36 03.0 -0.3	
SAIM	0.45 288		Pg	19 36 09.1 0.0	
ELBS	KAHRAMANMARAS	0.63 39	Op Pn	19 36 06.5 +0.7	
KOZT	Kozan	0.72 241	Op Pn	19 36 06.5 -0.2	
GAZ	Gaziantep	0.81 145	Op Pn	19 36 07.5 +0.1	
GAZ	0.81 145		Pb	19 36 18.9 -0.5	
GZT	Gaziantep	0.89 122	Op Pn	19 36 09.8 +0.2	
GZT	0.89 122		Sb	19 36 20.2 -0.2	
DARE	Darende-Malaty	1.00 42	Op Pn	19 36 15.6 +0.5	
KUZU	Kuzuni	1.12 161	Op Pn	19 36 14.1 +0.2	
KUZU	1.12 161		Pn	19 36 29.5 -0.1	
AKCD	Akcadag	1.12 65	Op Pn	19 36 13.5 -0.2	
AKCD	1.12 65		Sn	19 36 31.8 +1.9	
BUNY	Bunyan	1.19 329	Op Pn	19 36 15.4 +0.5	
SNIC	Snir	1.50 194	Op Pn	19 36 14.0 -0.2	
TAHT	Tahtakopru-Hat	1.50 194	Op Pn	19 36 39.1 0.0	
TAHT	1.50 194		Sb	19 36 24.1 -0.8	
URFA	Urfa	1.79 102	Op Pn	19 36 26.2 +0.3	
SURC	SANLIURFA_SURC	1.85 120	Op Pn	19 36 46.7 -0.9	
SURC	1.85 120		Sb	19 36 46.7 -0.9	

DDA 13 19:54:04.1,40.08N:28.25E,h7km,ML2.5

ISC 13 19:54:04.0,40.15N:28.29E,h15km,ML1.8/4
 ISC 13 19:54:04.7:1.0,40.08N:03.28:30E:0.04,h10km±11km,
 n11,r0548/20,Turkey

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
KCTX	Karacabey (Bur	0.19 14	Op Pn	19 54 08.6 -0.1	
KCTX	0.19 14		Sb	19 54 11.4 0.0	
EDC	Edincik	0.42 309	Op Pn	19 54 12.9 -0.1	
EDC	0.42 309		Pg	19 54 18.8 +0.2	
DURS	Dursunbey	0.50 164	Op Pn	19 54 14.4 0.0	
DURS	0.50 164		Pg	19 54 21.4 +0.0	
BALY	Balya	0.62 237	Op Pn	19 54 16.4 -0.3	
BALY	0.62 237		Pg	19 54 17.9 -0.3	
ARMT	Armutlu	0.65 42	Op Pn	19 54 26.1 +0.4	
ARMT	0.65 42		Pg	19 54 19.1 0.0	
MRMT	Marmara Adasi	0.75 314	Op Pn	19 54 29.4 -0.7	
MRMT	0.75 314		Pg	19 54 26.5 +0.1	
KRBC	Karabiga-Canak	0.82 292	Op Pn	19 54 24.8 -0.1	
RKY	Sarkoktekir	1.05 306	Op Pn	19 54 25.9 +0.3	
DEMI	Demirci	1.09 162	Op Pn	19 54 35.9 +0.1	
DEMI	1.09 162		Sb	19 54 29.8 -0.3	
BAYC	CANAKKALE_Bayr	1.39 256	Op Pn	19 54 48.4 0.0	
BAYC	1.39 256		Pg	19 54 33.9 +1.6	
KESN	Edirne-Kesan	1.44 302	Op Pn	19 54 50.3 -0.1	
KESN	1.44 302		Sb	19 54 50.3 -0.1	

ISC/B 13 20:13:13.9:0.6,39.17N:0.02:9.16W:0.07,h28km,4km,
 Error ellipse: s-maj=8.7km s-min=3.2km az=13.0

CNRN 13 20:13:13.8,39.11N:6.16W,h10km
 MDD 13 20:13:14.9:0.3,39.15N:9.13W,h18km,3km,mbLg2.6/12,
 Error ellipse: s-maj=4.3km s-min=2.4km az=125.0,
 PEXIMO

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
IGIL	IGIL	13.20 39	Op Pn	19 54 14.4 0.0	
INMG	INMG	13.15 1.4,39.16N:9.17W,h17km,2km,ML2.2, Error ellipse: s-maj=4.4km s-min=1.5km az=101.0			
ISC	ISC	13.20:13.14:1.2,39.15N:0.02:9.12W:0.03,h19km,2km, n66,r157/106,1C-2D,Portugal			

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
PMA					

M=1 4.9/29,ms1mx4.8/38 Error ellipse: s-maj=15.3km s-min=7.9km az=52.0
ISCJB 13 21:26:45.0-0.2, 13:18N,0.01:89.89W,0.02,175km,2km, mb5.3/54.4, Error ellipse: s-maj=3.1km s-min=1.8km az=139.7

ISC 13 21:26:43.9-0.7, 13:04N,0.04:90.05W,0.04,h46km,5.6km, n1702,r131/1753,mb5.4/556,MS5.0/96,27C-10D,Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Cerro Verde, San Blas, San Andres, San Salvador, etc.

Main table of station data with columns: Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Arcadia, West Palm Beach, Moore Haven, Kingsville, etc.

Table of station data for the 13d 21h period with columns: Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Camden, Dixon Mills, Vicksburg, Hilliard, etc.

CCAR	Cane Creek	20.84 356 eP	P	P	21 31 21.8 0.0
Y47A	UCPARC, Winfree	20.86 5 P	P	P	21 31 21.3 -0.6
Y41A	Earlette Beard	20.87 354 P	P	P	21 31 21.7 -0.5
Y48A	Jasper	20.94 7 P	P	P	21 31 23.6 +0.7
Y49A	Blount Mountain	20.98 8 eP	P	P	21 31 23.9 +0.6
Y49A	Blount Mountain	20.98 8 P	P	P	21 31 24.2 +0.9
Z53A	Monticello	21.00 15 P	P	P	21 31 24.0 +0.6
Y56A	Sylvania	21.03 20 P	P	P	21 31 24.6 +0.8
Y50A	Piedmont	21.12 10 P	P	P	21 31 25.4 +0.6
GOGA	Godfrey	21.15 15 eP	P	P	21 31 25.6 +0.5
GOGA	Godfrey	21.15 15 eP	P	P	21 31 25.6 +0.5
GOGA	Godfrey	21.15 15 P	P	P	21 31 25.2 +0.1
Z54A	Sparta	21.15 17 P	P	P	21 31 26.0 +0.9
Y51A	Rockmart	21.25 12 P	P	P	21 31 26.5 +0.3
X45A	UM Field Stati	21.29 1 P	P	P	21 31 27.0 +0.3
Z55A	Blythe	21.35 18 P	P	P	21 31 27.1 -0.1
X44A	Crenshaw	21.36 360 P	P	P	21 31 27.3 0.0
ABTX	Abilene, Hawle	21.38 337 eP	P	P	21 31 26.6 -1.0
ABTX	Abilene, Hawle	21.38 337 P	P	P	21 31 26.0 -1.6
OXF	Oxford	21.38 1 eP	P	P	21 31 27.6 +0.1
OXF	Oxford	21.38 1 eP	P	P	21 31 27.6 +0.1
OXF	Oxford	21.38 1 P	P	P	21 31 27.1 -0.4
X43A	Marvell	21.39 358 eP	P	P	21 31 29.5 +1.9
X43A	Marvell	21.39 358 P	P	P	21 31 27.6 0.0
Y52A	Lilburn	21.43 14 eP	P	P	21 31 28.3 +0.2
Y52A	Lilburn	21.43 14 P	P	P	21 31 27.7 -0.4
X46A	Booneville	21.46 3 P	P	P	21 31 28.4 0.0
X42A	Stuttgart	21.46 356 P	P	P	21 31 29.0 +0.6
X47A	Russellville	21.47 5 P	P	P	21 31 28.6 +0.1
X41A	Kaden, Bauxite	21.47 354 P	P	P	21 31 27.9 -0.6
X48A	Hartselle	21.49 7 eP	P	P	21 31 28.9 +0.3
X48A	Hartselle	21.49 7 P	P	P	21 31 29.0 +0.3
X40A	Basin Creek Fa	21.50 354 eP	P	P	21 31 28.1 -0.7
X40A	Basin Creek Fa	21.50 354 P	P	P	21 31 28.1 -0.7
Y53A	Monroe	21.54 15 P	P	P	21 31 28.8 -0.5
SLBS	Sierra La Lagu	21.62 302 eP	P	P	21 31 30.9 +0.6
X49A	Woodville	21.64 8 P	P	P	21 31 30.3 0.0
MIAR	Mount Ida	21.64 352 eP	P	P	21 31 29.5 -0.9
MIAR	Mount Ida	21.64 352 eP	P	P	21 31 29.5 -0.9
MIAR	Mount Ida	21.64 352 P	P	P	21 31 29.8 -0.6
X50B	Fort Payne	21.69 10 P	P	P	21 31 31.0 +0.1
RGRS	Roger Stewart	21.73 23 eP	P	P	21 31 32.3 +1.1
UALR	University of	21.73 355 eP	P	P	21 31 31.1 -0.2
Y54A	Tignall	21.78 17 P	P	P	21 31 31.5 -0.4
CSU	Charleston Sou	21.85 23 eP	P	P	21 31 31.5 -1.1
NHSC	New Hope	21.91 23 eP	P	P	21 31 32.6 -0.6
NHSC	New Hope	21.91 23 P	P	P	21 31 31.7 -1.5
PLAL	Pickwick Lake	21.91 4 eP	P	P	21 31 33.6 +0.3
X51A	Calhoun	21.94 12 eP	P	P	21 31 33.7 +0.2
X51A	Calhoun	21.94 12 P	P	P	21 31 32.9 -0.7
W43A	Forest City	21.95 359 P	P	P	21 31 34.2 +0.5
MET	Memphis-Engin	21.98 0 eP	P	P	21 31 33.7 -0.2
X37A	Clayton	21.99 348 eP	P	P	21 31 34.1 +0.1
W44A	Shelby Farms P	22.00 1 P	P	P	21 31 33.2 -0.9
W45A	Hickory Valley	22.03 2 P	P	P	21 31 33.9 -0.6
W46A	Michie	22.05 4 P	P	P	21 31 33.7 -1.0
LPIG	La Paz	22.10 303 P	P	P	21 31 36.5 +1.1
LPIG	La Paz	22.12 355 eP	P	P	21 31 35.6 +0.1
W41B	Gary Mavity, V	22.12 355 P	P	P	21 31 34.9 -0.6
W42A	Bald Knob	22.17 357 P	P	P	21 31 35.7 -0.3
W48A	Pulaski	22.18 7 P	P	P	21 31 36.1 0.0
X52A	Dahlonega	22.18 14 P	P	P	21 31 36.0 -0.2
W47A	Westly	22.22 5 P	P	P	21 31 36.7 +0.1
X53A	Estanollee	22.23 15 P	P	P	21 31 35.9 -0.7
WHAR	Woolly Hollow	22.24 355 eP	P	P	21 31 35.9 -0.9
W49A	Belvidere	22.24 8 P	P	P	21 31 37.0 +0.2
HODGE	Hodges	22.25 17 eP	P	P	21 31 35.7 -1.2
W39A	Magazine	22.31 352 eP	P	P	21 31 37.2 -0.3
SWET	Seawance	22.31 352 P	P	P	21 31 37.6 +0.1
HBAR	Harrisburg	22.39 9 eP	P	P	21 31 38.3 -0.2
W50A	Signal Mountai	22.42 359 eP	P	P	21 31 38.3 -0.4
W50A	Signal Mountai	22.47 10 eP	P	P	21 31 39.0 -0.3
W50A	Signal Mountai	22.47 10 P	P	P	21 31 38.6 -0.7
W51A	Cleveland	22.53 11 P	P	P	21 31 39.4 -0.5
JSC	Jenkinsville	22.60 19 eP	P	P	21 31 40.4 -0.3
JSC	Jenkinsville	22.60 19 eP	P	P	21 31 40.4 -0.3
JSC	Jenkinsville	22.62 2 P	P	P	21 31 40.0 -0.9
CRPR	Cabo Rojo, PR	22.64 74 eP	P	P	21 31 40.1 -1.1

W52A	Murphy	22.64 13 eP	P	P	21 31 41.4 +0.3
W52A	Murphy	22.64 13 P	P	P	21 31 40.6 -0.5
MPR	Maryland	22.64 74 eP	P	P	21 31 40.3 -1.0
V43A	Jonesboro	22.65 359 P	P	P	21 31 39.8 -1.3
V44A	Blytheville	22.69 0 P	P	P	21 31 39.8 -1.7
V42A	Cord	22.70 357 P	P	P	21 31 40.5 -1.1
V41A	Mountainview	22.72 356 P	P	P	21 31 40.8 -1.2
V46A	Holladay	22.73 4 P	P	P	21 31 40.5 -1.5
HALT	Halls	22.78 1 eP	P	P	21 31 42.3 -0.2
BG3	Lake Jocassee	22.78 15 eP	P	P	21 31 42.0 -0.6
V48A	Smith Brothers	22.79 7 eP	P	P	21 31 42.6 +0.1
V48A	Smith Brothers	22.79 7 eS	S	S	21 35 46.6 -1.7
V48A	Smith Brothers	22.79 7 P	P	P	21 31 42.9 +0.3
V47A	Nunnely	22.80 5 P	P	P	21 31 42.7 0.0
GNAR	Goodell	22.82 0 eP	P	P	21 31 42.7 -0.3
CPCT	Cooper Cave	22.86 12 eP	P	P	21 31 43.3 -0.1
W53A	Cullowhee	22.89 15 P	P	P	21 31 42.9 -0.9
PAULI	Pauline	22.93 18 eP	P	P	21 31 43.6 -0.4
V49A	McMinnville	22.93 9 P	P	P	21 31 43.4 -0.7
CLNB	Carlsbad	22.95 329 eP	P	P	21 31 44.0 -0.4
V50A	Pikeville	22.97 10 P	P	P	21 31 44.3 -0.2
WMOK	Wichita Mounta	23.00 341 eP	P	P	21 31 42.1 -2.8
WMOK	Wichita Mounta	23.00 341 eP	P	P	21 31 42.1 -2.8
WMOK	Wichita Mounta	23.00 341 eP	P	P	21 31 42.1 -2.8
WMOK	Wichita Mounta	23.00 341 P	P	P	21 31 42.4 -2.4
WWT	Waverly	23.07 5 eP	P	P	21 31 44.9 -0.6
WWT	Waverly	23.07 5 eP	P	P	21 35 34.2 +0.7
WWT	Waverly	23.07 5 eP	P	P	21 35 34.2
WWT	Waverly	23.07 5 P	P	P	21 31 45.1 -0.4
OBIP	Obisado Ponce	23.12 75 eP	P	P	21 31 45.0 -1.1
GLAT	Glass	23.14 2 eP	P	P	21 31 45.6 -0.5
GD12	Guadalupe Mnt	23.15 328 eP	P	P	21 31 46.6 +0.1
U44B	Burton Farm, H	23.20 1 P	P	P	21 31 46.4 -0.4
TKL	Tuckaleehee C	23.22 13 P	P	P	21 31 46.4 -0.6
TKL	Tuckaleehee C	23.22 13 eP	P	P	21 31 47.0 0.0
UTMT	University of	23.22 2 eP	P	P	21 31 46.7 -0.3
U43A	Rector	23.23 359 P	P	P	21 31 46.3 0.7
U42A	Reverden	23.23 358 P	P	P	21 31 46.1 -1.0
U45A	Rockin P Farm,	23.23 3 P	P	P	21 31 46.7 -0.4
V51A	Loudon	23.24 12 eP	P	P	21 31 46.9 -0.2
V51A	Loudon	23.24 12 P	P	P	21 31 46.7 -0.4
U41A	Viola	23.26 356 P	P	P	21 31 46.1 -1.3
PVMO	Portageville	23.27 1 eP	P	P	21 31 47.1 -0.3
U46A	Springleville	23.28 4 P	P	P	21 31 47.3 -0.2
MNTX	Cornudas Mount	23.31 325 eP	P	P	21 31 47.4 -0.5
MNTX	Cornudas Mount	23.31 325 P	P	P	21 31 47.1 -0.8
TUL1	Leonard	23.35 348 eP	P	P	21 31 46.3 -1.9
TUL1	Leonard	23.35 348 P	P	P	21 31 46.1 -2.1
U40A	Yelville	23.35 354 P	P	P	21 31 47.2 -1.0
U44A	Portageville	23.36 1 P	P	P	21 31 47.9 -0.5
KMSC	Kings Mountain	23.37 18 eP	P	P	21 31 48.4 -0.1
KMSC	Kings Mountain	23.37 18 P	P	P	21 31 48.6 +0.2
HHAAR	Hobbs	23.40 352 eP	P	P	21 31 47.5 -1.2
U47A	Claxville	23.43 6 P	P	P	21 31 48.3 -0.6
V52A	Sevierville	23.43 13 eP	P	P	21 31 48.7 -0.4
V52A	Sevierville	23.43 13 P	P	P	21 31 48.8 -0.2
V53A	Saluda	23.45 15 eP	P	P	21 31 49.0 -0.3
V53A	Saluda	23.45 15 P	P	P	21 31 49.3 0.0
PARMO	Parma	23.52 1 eP	P	P	21 31 49.6 -0.2
SJG	San Juan	23.56 75 P	P	P	21 31 49.3 -1.0
SJG	San Juan	23.56 75 eP	P	P	21 35 36.0 +1.2
SJG	San Juan	23.56 75 eP	P	P	21 31 48.9 -1.5
SJG	San Juan	23.56 75 eP	P	P	21 35 36.5 +1.7
SJG	San Juan	23.56 75 eP	P	P	21 31 48.9 -1.5
U48A	Cassiopea, Po	23.58 7 P	P	P	21 31 50.0 -0.4
PBMO	Poplar Bluff	23.64 359 eP	P	P	21 31 50.1 -0.8
U49A	Red Boiling Sp	23.68 9 P	P	P	21 31 51.1 -0.2
U50A	Jamestown	23.74 10 P	P	P	21 31 51.4 -0.5
MSTX	Muleshoe	23.83 333 eP	P	P	21 31 52.6 -0.3
MSTX	Muleshoe	23.83 333 P	P	P	21 31 51.0 -1.9
U51A	La Follette	23.86 12 P	P	P	21 31 52.8 -0.2
T42A	Van Buren	23.90 358 eP	P	P	21 31 52.5 -0.9
T42A	Van Buren	23.90 358 P	P	P	21 31 52.5 -0.9
T45A	Paducah	23.91 3 eP	P	P	21 31 53.5 +0.1
T45A	Paducah	23.91 3 P	P	P	21 31 53.3 -0.2
T43A	Greenville	23.94 360 P	P	P	21 31 52.8 -0.9
T44A	Benton	23.95 1 P	P	P	21 31 53.2 -0.6
T41A	Mountain View	23.95 357 P	P	P	21 31 53.2 -0.7
T46A	Princeton	23.98 4 P	P	P	21 31 54.0 -0.1
T47A	Sharon Grove	23.99 6 eP	P	P	21 31 53.9 -0.3
T47A	Sharon Grove	23.99 6 P	P	P	21 31 54.1 -0.1
EPT	El Paso	24.00 324 eP	P	P	21 31 53.8 -0.7

U52A	Thorn Hill	24.01 13 P	P	P	21 31 54.0 -0.4
MTP	Monte Pirata	24.12 75 eP	P	P	21 31 53.7 -1.8
TZTN	Tazewell	24.12 13 eP	P	P	21 31 54.8 -0.7
TZTN	Tazewell	24.12 13 P	P	P	21 31 55.1 -0.3
AMTX	Amarillo	24.16 336 eP	P	P	21 31 54.2 -1.7
AMTX	Amarillo	24.16 336 P	P	P	21 31 54.5 -1.4
U53A	Fall Branch	24.17 15 P	P	P	21 31 55.4 -0.6
T48A	Bowling Green	24.19 7 P	P	P	21 31 55.4 -0.7
T49A	Edmonton	24.30 9 eP	P	P	21 31 56.5 -0.6
T49A	Edmonton	24.30 9 P	P	P	21 31 56.5 -0.6
T50A	Nancy	24.33 10 P	P	P	21 31 56.6 -0.7
S43A	Fulton Ridge	24.43 360 P	P	P	21 31 57.1 -1.1
T51A	Gray	24.44 12 P	P	P	21 31 58.0 -0.4
S41A	Jillico Farms,	24.49 357 P	P	P	21 31 57.8 -0.9
S44A	Carbondale	24.56 2 P	P	P	21 31 59.2 -0.1
S45A	Carrier Mills	24.57 3 P	P	P	21 31 59.0 -0.4
SIUC	Southern Illin	24.58 2 eP	P	P	21 31 59.1 -0.4
U32A	Winter Ranch,	24.59 342 eP	P	P	21 31 59.0 -0.8
S47A	Hartford	24.61 6 P	P	P	21 31 59.3 -0.6
S46A	Don Dixon Farm	24.63 4 P	P	P	21 31 59.6 -0.4
S42A	Caladonia	24.63 359 P	P	P	21 31 58.6 -1.5
CNNC	Cliffs of the	24.68 24 eP	P	P	21 32 00.4 -0.1
CNNC	Cliffs of the	24.68 24 P	P	P	21 32 00.4 -0.1
STVI	Saint Thomas	24.72 74 eP	P	P	21 31 59.4 -1.6
S48A	Wiedeman Farm,	24.77 8 P	P	P	21 32 00.4 -0.9
T52A	Hallie	24.78 14 P	P	P	21 32 01.0 -0.4
FVM	French Village	24.84 359 eP	P	P	21 32 00.7 -1.3
FVM	French Village	24.84 359 eP	P	P	21 32 00.7 -1.3
USIN	University of	24.91 4 eP	P	P	21 32 02.3 -0.3
CCM	Cathedral Cave	24.93 358 eP	P	P	21 32 01.8 -1.0
CCM	Cathedral Cave	24.93			

Table with columns for station name, frequency, power, and other technical details. Includes stations like Albuquerque, Winchester, St. Maarten, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KSCO, SDCO, M41A, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like OGNE, JFWS, K46A, etc.

Table with columns: ECDSD, EROS Data Cent, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Stability, Elevation Stability, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Availability, Elevation Availability, Azimuth Uptime, Elevation Uptime, Azimuth Downtime, Elevation Downtime, Azimuth Throughput, Elevation Throughput, Azimuth Latency, Elevation Latency, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Spread, Elevation Spread, Azimuth Peak, Elevation Peak, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Corr, Elevation Corr, Azimuth Reg, Elevation Reg, Azimuth Res, Elevation Res, Azimuth Tot, Elevation Tot, Azimuth Net, Elevation Net, Azimuth Perf, Elevation Perf, Azimuth Opt, Elevation Opt, Azimuth Max, Elevation Max, Azimuth Min, Elevation Min, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Corr, Elevation Corr, Azimuth Reg, Elevation Reg, Azimuth Res, Elevation Res, Azimuth Tot, Elevation Tot, Azimuth Net, Elevation Net, Azimuth Perf, Elevation Perf, Azimuth Opt, Elevation Opt.

Table with columns: SHPR, Sheep Range, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Stability, Elevation Stability, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Availability, Elevation Availability, Azimuth Uptime, Elevation Uptime, Azimuth Downtime, Elevation Downtime, Azimuth Throughput, Elevation Throughput, Azimuth Latency, Elevation Latency, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Spread, Elevation Spread, Azimuth Peak, Elevation Peak, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Corr, Elevation Corr, Azimuth Reg, Elevation Reg, Azimuth Res, Elevation Res, Azimuth Tot, Elevation Tot, Azimuth Net, Elevation Net, Azimuth Perf, Elevation Perf, Azimuth Opt, Elevation Opt.

Table with columns: E44A, Grand Marais A, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Stability, Elevation Stability, Azimuth Consistency, Elevation Consistency, Azimuth Reliability, Elevation Reliability, Azimuth Availability, Elevation Availability, Azimuth Uptime, Elevation Uptime, Azimuth Downtime, Elevation Downtime, Azimuth Throughput, Elevation Throughput, Azimuth Latency, Elevation Latency, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Spread, Elevation Spread, Azimuth Peak, Elevation Peak, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Corr, Elevation Corr, Azimuth Reg, Elevation Reg, Azimuth Res, Elevation Res, Azimuth Tot, Elevation Tot, Azimuth Net, Elevation Net, Azimuth Perf, Elevation Perf, Azimuth Opt, Elevation Opt.

MDND	Maddock	35.60 349	eP	P	21 33 36.3	-0.8
MDND	Maddock	35.60 349	P	P	21 33 36.2	-0.8
NV01	Mina Array	35.61 320	eP	P	21 33 38.9	+1.4
NVAR	Mina Array	35.61 320	P	P	21 33 38.9	+1.4
NVAR	Maddock	35.62 319	eP	PcP	21 36 06.8	+1.2
NVAR	Maddock	35.62 319	P	PcS	21 39 53.6	+0.7
NVAR	Maddock	35.62 319	LR	LR	21 50 01.6	
MDPB	Devils Postail	35.62 319	eP	P	21 33 39.5	+1.8
LHV	Little Huntton	35.62 320	eP	P	21 33 39.8	+2.5
D54A	Lac Fusel, La	35.81 16	P	P	21 33 37.7	-1.1
YPP	Pitchstone Pia	35.84 334	eP	P	21 33 40.0	+0.6
H17A	Grant Village	35.84 335	eP	P	21 33 40.2	+0.8
H17A	Grant Village	35.84 335	P	P	21 33 39.3	-0.1
KVN	Kaiserville	35.87 321	eP	P	21 33 41.1	+1.5
KVN	Kaiserville	35.87 321	P	P	21 33 41.1	+1.5
RYN	Ryan	35.87 320	eP	P	21 33 41.5	+1.9
LKWY	Lake	35.91 335	eP	P	21 33 39.7	-0.3
LKWY	Lake	35.91 335	LR	LR	21 33 39.7	-0.3
LKWY	Lake	35.91 335	eP	P	21 33 39.7	-0.3
LKWY	Lake	35.91 335	MLR	MLR	21 33 39.7	-0.3
RLMT	Red Lodge	35.92 337	eP	P	21 33 39.6	-0.4
RLMT	Red Lodge	35.92 337	LR	LR	21 33 39.6	-0.4
RLMT	Red Lodge	35.92 337	P	P	21 33 39.6	-0.4
WVL	Waterville	35.93 335	eP	P	21 33 39.1	-0.6
YFT	Old Faithful	36.00 334	eP	P	21 33 42.5	+1.8
YFT	Old Faithful	36.00 334	eP	PcP	21 36 09.6	+3.0
YFT	Old Faithful	36.00 334	eP	PcP	21 36 09.6	+3.0
LAO	LASA Array	36.20 341	eP	P	21 33 42.1	-0.2
LAO	LASA Array	36.20 341	LR	LR	21 33 42.1	-0.2
LAO	LASA Array	36.20 341	P	P	21 33 41.6	-0.6
BMN	Battle Mountai	36.23 324	eP	P	21 33 44.1	+1.4
BMN	Battle Mountai	36.23 324	eP	P	21 33 44.1	+1.4
YMR	Madison River	36.23 334	eP	P	21 33 43.2	+0.5
YHH	Holmes Hill	36.28 335	eP	P	21 33 42.5	-0.7
LPAZ	La Paz	36.32 143	P	P	21 33 44.2	+0.1
LPAZ	La Paz	36.32 143	LR	LR	21 48 36.6	
LPAZ	La Paz	36.32 143	eP	P	21 33 44.6	+0.4
WAKR	Walker	36.36 320	eP	P	21 33 45.8	+1.8
YHB	Horse Butte	36.39 334	eP	P	21 33 44.7	+0.6
VLDO	Val d'Or	36.50 14	P	P	21 33 43.6	-1.1
YERR	Yerington	36.53 320	eP	P	21 33 47.1	+1.8
QLMT	Earthquake Lak	36.55 334	eP	P	21 33 46.2	+0.7
GCMT	Greycliff	36.63 337	eP	P	21 33 45.5	-0.5
PKME	Peaks-Kenny Pk	36.65 25	eP	P	21 33 45.5	-0.5
PKME	Peaks-Kenny Pk	36.65 25	LR	LR	21 33 45.1	-0.9
PKME	Peaks-Kenny Pk	36.65 25	P	P	21 33 45.1	-0.9
CMB	Columbia Colle	36.70 318	eP	P	21 33 47.6	+1.0
CMB	Columbia Colle	36.70 318	P	P	21 33 48.1	+1.5
SAO	San Andreas Ge	36.71 316	eP	P	21 33 47.0	+0.3
SAO	San Andreas Ge	36.71 316	P	P	21 33 47.0	+0.3
PNTR	Pine Nut	36.81 320	eP	P	21 33 49.7	+1.9
HLID	Hailey	36.93 330	eP	P	21 33 49.0	+0.3
HLID	Hailey	36.93 330	LR	LR	21 33 48.7	+0.1
HLID	Hailey	36.93 330	P	P	21 33 50.3	+1.2
VNCR	Virginia City	36.97 27	eP	P	21 33 48.6	-0.3
EMMW	East Machias	36.98 27	eP	P	21 33 51.0	+1.3
PAHR	Pah Rah Range	37.05 321	eP	P	21 33 51.0	+1.3
RUBR	Rubicon Trail	37.14 320	eP	P	21 33 51.5	+0.9
MCMT	McKenzie Canyo	37.17 333	eP	P	21 33 51.7	+1.0
DGMT	Dagmar	37.22 344	eP	P	21 33 50.8	-0.1
DGMT	Dagmar	37.22 344	P	P	21 33 50.6	-0.3
BOZ	Bozeman (W)	37.26 335	eP	P	21 33 51.5	+0.1
BOZ	Bozeman (W)	37.26 335	LR	LR	21 33 50.4	-0.9
BOZ	Bozeman (W)	37.26 335	P	P	21 33 51.6	+0.3
ULM	Lac du Bonnet	37.41 354	eP	P	21 33 50.5	-1.9
ULM	Lac du Bonnet	37.41 354	LR	LR	21 52 32.8	
ULM	Lac du Bonnet	37.41 354	eP	P	21 33 50.3	-2.0
ULM	Lac du Bonnet	37.41 354	P	P	21 33 50.3	-2.0
DLMT	Dillon	37.48 334	eP	P	21 33 53.8	+0.5
GGN	Saint George	37.58 27	eP	P	21 33 53.5	-0.3
AFDM	Forest Hills D	37.60 319	eP	P	21 33 55.6	+1.4
MDP	Montagnes des	37.73 99	PcP	PcP	21 36 11.6	-0.5
BEKR	Beckworth	37.75 321	eP	P	21 33 56.8	+1.1
LRM	Limekiln Ridge	37.78 334	eP	P	21 33 56.3	+0.4
MNMC	Minny Mine	37.79 147	eP	P	21 33 57.1	+0.8
HRV	Holter Researc	38.24 336	eP	P	21 33 59.6	+0.0
ORV	Oroville	38.28 319	eP	P	21 34 02.1	+2.2
ORV	Oroville	38.28 319	P	P	21 34 02.1	+2.2
PB11	IPOC Station P	38.28 148	eP	P	21 34 01.1	+0.8
PQI	Presque Isle	38.31 25	eP	P	21 33 59.2	-0.8
WVOR	Wild Horse Val	38.35 325	eP	P	21 34 01.2	+0.6
WVOR	Wild Horse Val	38.35 325	LR	LR	21 34 01.2	+0.6
WVOR	Wild Horse Val	38.35 325	eP	P	21 34 01.2	+0.6
WVOR	Wild Horse Val	38.35 325	MLR	MLR	21 34 01.2	+0.6

MCCM	Marconi Confer	38.41 317	eP	P	21 34 00.3	-0.7
GO01	Chumiza	38.45 147	eP	P	21 34 03.1	+1.8
EGMT	Eagleton	38.55 339	eP	P	21 34 02.1	0.0
EGMT	Eagleton	38.55 339	P	P	21 34 02.0	-0.1
GDXM	Geyers	38.70 317	eP	P	21 34 04.4	+0.8
HAL	Halifax	38.75 31	eP	P	21 34 03.5	-0.2
HAL	Halifax	38.75 31	eP	P	21 34 03.5	-0.2
J08A	Circle Bar Ran	38.87 326	eP	P	21 34 05.5	+0.6
O03E	Paynes Creek	38.90 320	eP	P	21 34 05.6	+0.4
MOD	Modoc Plateau	38.95 323	eP	P	21 34 06.0	+0.3
HOPS	Hopland Field	38.99 318	eP	P	21 34 05.7	-0.1
LMN	Caledonia Moun	39.06 28	eP	P	21 34 05.7	-0.7
MSO	Missoula	39.21 334	eP	P	21 34 07.5	-0.3
MSO	Missoula	39.21 334	P	P	21 34 07.2	-0.5
BMO	Blue Mountains	39.30 329	eP	P	21 34 07.5	-1.0
BMO	Blue Mountains	39.30 329	eP	P	21 34 07.5	-1.0
PB01	IPOC Station P	39.44 149	eP	P	21 34 10.0	+0.2
O02D	Mt. Diablo Mer	39.45 319	P	P	21 34 09.3	-0.5
WDC	Whiskeytown Da	39.52 320	eP	P	21 34 09.2	-1.1
WDC	Whiskeytown Da	39.52 320	eP	P	21 34 09.2	-1.1
BATG	Bathurst New B	39.60 26	eP	P	21 34 10.3	-0.6
KCPM	Cahto Peak	39.69 318	eP	P	21 34 12.2	+0.4
M04C	Macdoel	39.79 322	P	P	21 34 13.3	+0.7
N02D	Trinity Center	39.85 320	P	P	21 34 12.0	-1.0
I07A	Izeze	39.91 326	eP	P	21 34 13.5	-0.2
KMRM	Mal Ridge	40.06 319	eP	P	21 34 15.6	+0.8
F10A	Beach Ranch, E	40.06 330	eP	P	21 34 14.8	0.0
JTMT	Jette	40.07 335	eP	P	21 34 14.7	-0.2
JTMT	Callahan	40.18 321	eP	P	21 36 20.6	+1.6
M02C	Callahan	40.18 321	eP	P	21 34 15.1	-0.7
PB04	IPOC Station P	40.21 151	eP	P	21 34 16.3	-0.1
K04D	Chiloquin, OR	40.25 323	P	P	21 34 16.6	+0.2
YBH	Yreka Blue Hor	40.29 321	eP	P	21 34 15.8	-0.9
YBH	Yreka Blue Hor	40.29 321	eP	P	21 36 20.1	+0.4
YBH	Yreka Blue Hor	40.29 321	eP	P	21 34 16.3	-0.4
YBH	Yreka Blue Hor	40.29 321	eP	P	21 34 16.3	-0.4
L04D	Klamath Falls	40.33 322	eP	P	21 36 20.1	+0.4
GBN	Guysborough	40.34 31	eP	P	21 34 16.4	-0.5
J05D	Fort Rock, OR	40.36 324	eP	P	21 34 17.2	-0.2
KHMM	Heeks Mountain	40.44 320	eP	P	21 34 19.0	+0.9
G08A	Pilot Rock	40.44 328	eP	P	21 34 17.4	-0.6
G08A	Pilot Rock	40.44 328	eP	P	21 36 22.0	+1.8
JCC	Jacoby Creek	40.59 319	eP	P	21 34 19.5	+0.4
SIV	San Ignacio	40.66 134	P	P	21 34 20.4	+0.4
SIV	San Ignacio	40.66 134	P	P	21 36 21.0	-0.3
J04D	Umpqua Nationa	40.83 324	P	P	21 34 21.6	+0.2
E09A	Wood Farm, Sta	40.90 330	eP	P	21 34 20.8	-0.8
HUMO	Hull Mountain	40.95 322	eP	P	21 34 21.6	-0.5
WALA	Waterton Lakes	40.96 336	eP	P	21 34 22.2	0.0
WALA	Waterton Lakes	40.96 336	eP	P	21 36 23.1	+1.3
PB10	IPOC Station P	41.04 152	eP	P	21 34 23.5	+0.6
LVC	Limon Verde	41.05 150	P	P	21 34 24.7	+1.3
LVC	Limon Verde	41.05 150	eP	P	21 34 25.0	+1.5
LVC	Limon Verde	41.05 150	eP	P	21 34 25.5	+2.0
L02E	Cave Junction	41.08 321	P	P	21 34 23.1	-0.1
I05D	Terrebonne, OR	41.08 325	P	P	21 34 22.9	-0.3
G06A	Carlson Farm,	41.28 327	eP	P	21 34 25.2	+0.9
E08A	Dider Farm, El	41.33 330	eP	P	21 34 24.5	-0.6
E08A	Tendick Farm,	41.34 324	eP	P	21 36 24.5	+1.6
F07A	Phinny Hill Vi	41.35 328	eP	P	21 34 25.3	0.0
K02D	Willamette Mer	41.42 322	P	P	21 34 26.0	-0.1
KBO	Bosley Butte	41.49 321	eP	P	21 34 27.3	+0.7
HAWA	Hanford	41.49 329	eP	P	21 34 25.8	-0.7
G05D	Wamic, OR	41.65 327	P	P	21 34 28.3	+0.5
NEW	Newport	41.70 333	P	P	21 34 27.0	-1.2
NEW	Newport	41.70 333	P	P	21 36 23.6	-0.5
NEW	Newport	41.70 333	LR	LR	21 56 52.5	
NEW	Newport	41.70 333	P	P	21 34 27.5	-0.7
NEW	Newport	41.70 333	eP	P	21 36 24.8	+0.6
NEW	Newport	41.70 333	P	P	21 34 27.3	-0.9
E07A	Sunnyside	41.77 329	eP	P	21 34 28.6	-0.2
H04A	Detroit Lake	41.77 325	eP	P	21 34 28.8	0.0
I03D	Drain, OR	41.83 323	P	P	21 34 29.5	+0.3
J01E	Myrtle Point	41.85 322	P	P	21 34 30.3	+0.9
C09A	Chrisman Ranch	41.88 331	eP	P	21 34 29.0	-0.3
KEBM	Edson Butte	41.93 322	eP	P	21 34 31.2	+1.0
H04D	Lebanon	41.98 325	P	P	21 34 30.1	-0.3
F05D	White Salmon	42.15 327	P	P	21 34 32.8	+0.9
COR	Corvallis	42.34 324	eP	P	21 34 33.4	+0.1
COR	Corvallis	42.34 324	eP	P	21 34 33.4	+0.1
I02D	Swissmore	42.36 324	P	P	21 34 34.4	+0.9
FFC	Flin Flon	42.63 350	eP	P	21 34 34.9	-0.7

FFC	Flin Flon	42.63 350	eP	P	21 34 34.9	-0.7
LTY	Liberty	42.66 329	eP	P	21 34 34.9	-1.2
GO3D	McMillinville, O	42.70 325	P	P	21 34 35.9	-0.4
B08A	Colville Reser	42.78 331	eP	P	21 34 36.8	-0.2
LON	Leavenworth	42.90 328	eP	P	21 34 37.9	-0.1
LON	Longmire	42.90 328	eP	P	21 34 37.9	-0.1
GO02	Mina Guanaco	42.90 152	eP	P	21 34 40.3	+1.8
F04D	Rainier, OR	43.10 326	P	P	21 34 39.8	+0.2
C06D	Leavenworth	43.22 330	eP	P	21 34 40.4	-0.1
D05A	Enumclaw	43.28 328	eP	P	21 34 41.5	+0.5
F03A	Seaside	43.30 326	eP	P	21 34 42.0	+0.8
E03A	Lebam	43.69 327	eP	P	21 34 44.4	+0.1
B06A	Marblemont	43.92 330	eP	P	21 34 45.9	-0.1
B05A	Bryant	44.05 329				

13d 21h

Table with columns: RES, Resolute Bay, 61.69 359 eP, P, 21 36 55.3 -1.5, etc. Lists various radio stations and their frequencies.

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Table with columns: UNV, Unalaska Valle, 71.58 323 eP, P, 21 38 00.8 +0.5, etc. Lists various radio stations and their frequencies.

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Table with columns: DOU, Dourbes, 83.07 40 fP, P, 21 39 02.4 -2.2, etc. Lists various radio stations and their frequencies.

Table with columns: CRE, Name, Time, P, S, SNR, etc. Includes entries like Caprese Michel, Trieste, Istrita, etc.

Table with columns: GERE, Name, Time, P, S, SNR, etc. Includes entries like GERE Array B, Kasperse Hory, etc.

Table with columns: HKAT, Name, Time, P, S, SNR, etc. Includes entries like Jabal Katrina, Khabaz, HDKI, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like F44A Big Bay de Noc, FWXY Fox Creek, F41A Three Lakes, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like BW06 Boulder Array, PD31 Pinedale Array, PDAR Pinedale Array, etc.

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

13d 23h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like 4J8A Bridge Port, CTU Camp Tracy, K39A Oelwein, etc.

2012 DEC

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like KVN Lake County, OGNE Ogallala, YHNB Yeheng, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PMRV Marv??, ISCO Idaho Springs, M44A Midwestern, etc.

YLE	comp=Z,3um,21.0s		LR	LR					
GZH	Guangzhou	57.90 189	P	S	23 13 26.0	-3.9			
GZH			S	LR	23 21 23.6	-5.3			
GZH	comp=Z,2um,14.7s		LR	LR					
N54A	comp=Z,1um,14.1s	57.91 19	eP	P	23 13 30.1	+0.3			
N54A	Moraine State		LR	LR					
N54A	comp=Z,341nm,1.9s		LR	LR					
N54A	comp=Z,2um,20.0s	57.91 19	P	P	23 13 29.4	-0.4			
N54A	Moraine State								
PV23	Carpenter Ridg	57.91 46	eP	P	23 13 33.0	+2.8			
PV23	comp=Z,176nm,1.7s								
N50A	Nevada	57.91 22	P	P	23 13 29.2	-0.7			
N50A	baz=356								
MTPU	Mount Pierson	57.94 49	eP	P	23 13 32.1	+1.5			
MTPU	comp=Z,138nm,1.7s		LR	LR					
CART	comp=Z,2um,20.0s	57.97 308	eP	P	23 13 31.0	+0.7			
CART	Cartagena								
CART	comp=Z,237nm,1.6s								
CART	Cartagena	57.97 308	eP	P	23 13 28.4	-2.0			
PV10	Paradox Valley	57.98 46	eP	P	23 13 32.0	+1.3			
O43A	Sugar Creek Fa	57.98 28	P	P	23 13 28.8	-1.6			
O43A	baz=354								
PV14	Lion Creek, Pa	57.98 46	eP	P	23 13 32.0	+1.3			
PV14	comp=Z,125nm,1.5s		LR	LR					
SAO	comp=Z,3um,21.0s	58.00 58	eP	P	23 13 32.4	+1.8			
SAO	San Andreas Ge								
SAO	comp=Z,84nm,1.6s		LR	LR					
SAO	comp=Z,2um,19.0s	58.00 58	eP	P	23 13 32.4	+1.8			
SAO	San Andreas Ge		eP	P					
SAO	comp=Z,84nm,1.6s								
SAO	comp=Z,2um,19.0s		MLR	MLR					
O42A	Bath	58.01 28	P	P	23 13 29.1	-1.5			
O42A	baz=354								
PV20	West Nyswonger	58.02 46	eP	P	23 13 31.4	+0.4			
PV20	comp=Z,108nm,1.6s		LR	LR					
PV20	comp=Z,2um,20.0s		LR	LR					
O41A	Passleys Farm,	58.03 29	P	P	23 13 29.9	-0.8			
O41A	baz=354								
ODNJ	Ogdensburg	58.04 15	eP	P	23 13 31.8	+1.0			
ODNJ	comp=Z,72nm,1.6s		LR	LR					
ODNJ	comp=Z,2um,18.0s	58.05 26	eP	P	23 13 32.8	+2.0			
SFIN	Lafayette								
SFIN	comp=Z,339nm,0.9s		LR	LR					
SFIN	comp=Z,2um,20.0s	58.05 26	P	P	23 13 29.2	-1.6			
SFIN	Lafayette								
PV19	Morning Glory	58.05 46	eP	P	23 13 31.4	+0.2			
PV19	comp=Z,84nm,1.6s								
KSCO	Kaye Shedlock'	58.05 40	eP	P	23 13 31.9	+0.8			
KSCO	comp=Z,632nm,2.0s		LR	LR					
KSCO	comp=Z,4um,21.0s		LR	LR					
KSCO	Kaye Shedlock'	58.05 40	P	P	23 13 30.6	-0.5			
KSCO	baz=352								
TWG	Pinlang	58.06 181	PFAKE	LR	23 13 40.0	+8.9			
TWG	comp=Z,5um,20.0s		LR	LR					
PV16	Nyswonger Mesa	58.06 46	eP	P	23 13 32.6	+1.4			
PV16	comp=Z,204nm,1.9s		LR	LR					
PV16	comp=Z,2um,19.0s	58.06 46	eP	P	23 13 32.8	+1.5			
PV16	Saucer Basin,								
PV16	comp=Z,234nm,1.8s		LR	LR					
PV12	comp=Z,3um,20.0s		LR	LR					
PV11	David Mesa, Pa	58.08 46	eP	P	23 13 32.8	+1.5			
PV11	comp=Z,302nm,2.0s								
PV17	East Wray Mesa	58.08 46	eP	P	23 13 32.8	+1.4			
PV17	comp=Z,76nm,2.0s								
DFRA	Djebel Bou Aff	58.09 301	P	P	23 13 30.1	-1.2			
PV03	Paradox Valley	58.12 46	eP	P	23 13 32.2	+0.5			
PV18	Skein Mesa, Pa	58.12 46	eP	P	23 13 32.3	+1.5			
PV18	comp=Z,132nm,1.8s		LR	LR					
O45A	Potomac	58.13 26	P	P	23 13 30.1	-1.4			
O45A	baz=355								
ABSA	Djebel Abasbia	58.13 300	P	P	23 13 36.4	+4.8			
PAL	Palisades	58.14 14	eP	P	23 13 32.9	+1.5			
PAL	comp=Z,56nm,1.1s		LR	LR					
PAL	comp=Z,2um,19.0s	58.14 14	eP	P	23 13 32.9	+1.5			
PAL	Palisades								
PAL	comp=Z,56nm,1.1s		MLR	MLR					
PAL	comp=Z,2um,19.0s	58.14 14	P	P	23 13 31.0	-0.4			
PAL	Palisades								
TIN	Tinemaha, Big	58.15 55	P	P	23 13 30.8	-0.9			
TIN	baz=351								
N59A	State Game Lan	58.15 16	eP	P	23 13 31.9	+0.2			
N59A	comp=Z,134nm,1.7s		LR	LR					
N59A	comp=Z,2um,20.0s	58.17 27	P	P	23 13 30.1	-1.6			
O44A	Mansfield								
O44A	baz=355								
PV02	Paradox Valley	58.18 46	eP	P	23 13 33.4	+1.3			
PV02	comp=Z,146nm,1.6s								
PV13	Radium Mtn., P	58.22 46	eP	P	23 13 33.2	+0.8			
PV13	comp=Z,210nm,1.6s		LR	LR					
PV13	comp=Z,2um,21.0s	58.22 304	P	P	23 13 35.0	+2.9			
ABA	Alger-Bouzarea	58.25 25	P	P	23 13 31.1	-1.2			
O47A	Sheridan								
O47A	baz=355								
PV05	Paradox Valley	58.27 46	eP	P	23 13 33.1	+0.4			
SZCU	Shurtz Canyon	58.27 50	eP	P	23 13 34.6	+1.9			
SZCU	comp=Z,90nm,1.5s		LR	LR					
SZCU	comp=Z,1um,18.0s	58.27 46	eP	P	23 13 33.5	+0.7			
PV01	Paradox Valley	58.28 50	eP	P	23 13 33.9	+1.2			
CCUT	Cedar City								
CCUT	comp=Z,65nm,1.6s		LR	LR					
CCUT	comp=Z,1um,21.0s	58.30 24	P	P	23 13 31.1	-1.5			
O48A	Farmland								
O48A	baz=355,SNR=8.9								
GRAC	Grapevine Rang	58.32 54	P	P	23 13 33.1	+0.3			
GRAC	baz=351								
SSPA	Standing Stone	58.34 17	eP	P	23 13 33.4	+0.5			
SSPA	comp=Z,100nm,1.4s		LR	LR					
SSPA	comp=Z,2um,20.0s	58.34 17	P	P	23 13 32.3	-0.5			
SSPA	Standing Stone								
PNCL	Nicolau / Gran	58.36 315	eP	P	23 13 33.9	+0.9			
PNCL	comp=Z,245nm,1.8s								
PBEJ	Beja	58.37 314	eP	P	23 13 42.6	+9.5			
PBEJ	comp=Z,89nm,1.6s								
KEST	Kesra	58.40 298	P	P	23 13 33.4	-0.1			
KEST	comp=Z,10.0nm,0.5s								
KEST	comp=Z,172nm,1.1s	58.40 298	eP	P	23 13 33.9	+0.4			
KEST	comp=Z,1um,21.0s		LR	LR					
O49A	Covington	58.42 23	eP	P	23 13 33.0	-0.5			
O49A	comp=Z,42nm,0.9s		LR	LR					
O49A	comp=Z,2um,18.0s	58.42 23	P	P	23 13 32.5	-0.9			
O49A	Covington								
BRNJ	Basking Ridge	58.44 15	eP	P	23 13 34.1	+0.6			
BRNJ	comp=Z,32nm,0.9s		LR	LR					
BRNJ	comp=Z,2um,18.0s	58.45 29	P	P	23 13 32.1	-1.6			
P41A	Barry, Barry								
P41A	baz=354								
ACSO	Alum Creek Sta	58.46 22	eP	P	23 13 33.5	-0.3			
ACSO	comp=Z,60nm,1.3s		LR	LR					
ACSO	comp=Z,2um,19.0s	58.46 22	P	P	23 13 33.0	-0.7			
ACSO	Alum Creek Sta								
ACSO	baz=356								
LUPA	Lehigh Univers	58.49 15	eP	P	23 13 34.5	+0.6			

LUPA	comp=Z,8.5nm,1.7s		LR	LR					
TPNV	Topopah Spring	58.51 53	eP	P	23 13 35.8	+1.5			
TPNV	comp=Z,137nm,1.8s		LR	LR					
TPNV	Topopah Spring	58.51 53	eP	P	23 13 35.8	+1.5			
TPNV	comp=Z,2um,20.0s		eP	P					
TPNV	comp=Z,137nm,1.8s		MLR	MLR					
TPNV	comp=Z,2um,20.0s	58.51 53	P	P	23 13 34.2	-0.1			
TPNV	Topopah Spring								
O50A	Cable	58.51 23	P	P	23 13 33.1	-1.0			
O50A	baz=355								
PKCU	Pink Cliffs	58.51 49	eP	P	23 13 36.8	+2.2			
PKCU	comp=Z,104nm,1.4s		LR	LR					
CBKS	Cedar Bluff	58.54 37	eP	P	23 13 36.0	+1.7			
CBKS	comp=Z,90nm,1.4s		LR	LR					
CBKS	comp=Z,5um,19.0s	58.54 37	eP	P	23 13 36.0	+1.7			
CBKS	Cedar Bluff								
CBKS	comp=Z,91nm,1.4s								
CBKS	comp=Z,5um,19.0s	58.54 37	P	P	23 13 31.8	-2.6			
CBKS	Cedar Bluff								
O51A	Patashia	58.57 22	P	P	23 13 32.8	-1.8			
O51A	baz=356								
MESJ	Messejana	58.59 315	eP	P	23 13 35.5	+0.7			
MESJ	comp=Z,126nm,0.8s								
MESJ	comp=Z,126nm,1.7s	58.59 315	eP	P	23 13 35.4	+0.7			
MESJ	Messejana								
P42A	Winchester	58.60 29	eP	P	23 13 34.4	-0.3			
P42A	comp=Z,56nm,0.8s		LR	LR					
P42A	comp=Z,3um,20.0s	58.60 29	P	P	23 13 32.7	-2.0			
P42A	Winchester								
P43A	Skaggs, Pawnee	58.60 28	P	P	23 13 33.1	-1.7			
P43A	baz=354								
O52A	Adamsville	58.65 21	eP	P	23 13 35.4	+0.3			
O52A	comp=Z,57nm,1.3s		LR	LR					
O52A	comp=Z,1um,19.0s	58.65 21	P	P	23 13 32.9	-2.1			
O52A	Adamsville								
CKHR	Kef el Ahmar	58.66 302	P	P	23 13 33.9	-1.4			
O56A	Blue Knob Stat	58.67 18	eP	P	23 13 35.0	-0.2			
O56A	comp=Z,72nm,1.0s		LR	LR					
O56A	comp=Z,2um,19.0s	58.67 18	P	P	23 13 32.5	-2.7			
O56A	Blue Knob Stat								
CWC	Cottonwood Cre	58.77 55	P	P	23 13 35.7	-0.4			
CWC	baz=351								

13d 23h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like RRR Edison Barstow, S41A Jilco Farms, OSI Osito Audit, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAJ, USRK, KSRS, KLR, H112, H111, H113, SONM, H1151, H1153, H1152, CMAR, ZALV, MKAR, KURBH, ILAR, AAK, WRA, ASAR, FINES, NB2, NOA, AKASG, GERES.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CMAR, MKAR, ZALV, ARCES, FINES.

IDC 123:25:30.2.1.1, 27.49N-53.59E, h0km, mb3.7/1.2, mb1 3.9/1.4, mb1mx3.7/3.7, mbtmp3.8/1.4, ML3.1/2, Error ellipse: s-maj=27.9km s-min=16.7km az=168.0, TEH 13 23:25:31.6, 0.27, 36N, 53.53E, h10km, ML3.7, ISCJB 13 23:25:32.6, 0.3, 27.49N, 0.03, 53.54E, 0.05, h16km, mb3.8/1.4, Error ellipse: s-maj=6.5km s-min=3.3km az=150.2

DSN 13 23:25:33.1, 1.2, 27.60N, 53.72E, h10km, ML3.9, Error ellipse: s-maj=20.8km s-min=8.3km az=27.0, OMAN 13 23:25:37.4, 0.6, 27.33N, 53.79E, h10km, Error ellipse: s-maj=30.8km s-min=10.6km az=237.0, ISC 13 23:25:31.6, 0.6, 27.29N, 0.06, 53.59E, 0.04, h16km, n59, -1949/62, mb3.7/1.4, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JHRM, GENO, SHI, SHME, NAZ, NAZF, MSFE, ASUD, ASUD, FAQ, MDH, UOSS, UOSS, HATD, ASHO, ASHO, ASHO, SLWS, ALNE, TVBK, BOOSS, BTHS, KLNJ, IMEH, CHMN, ISAD, IRAM, ICHK, ICHK, IGAR, IGAR, ROKH, IZEF, IZEF, IPIR, IPIR, ANAR, IKLH, IKLH, IKOO, IANJ, IANJ, RAYN, IDMV, IDMV, HAGD, HAGD.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JHRM, GENO, SHI, SHME, NAZ, NAZF, MSFE, ASUD, ASUD, FAQ, MDH, UOSS, UOSS, HATD, ASHO, ASHO, ASHO, SLWS, ALNE, TVBK, BOOSS, BTHS, KLNJ, IMEH, CHMN, ISAD, IRAM, ICHK, ICHK, IGAR, IGAR, ROKH, IZEF, IZEF, IPIR, IPIR, ANAR, IKLH, IKLH, IKOO, IANJ, IANJ, RAYN, IDMV, IDMV, HAGD, HAGD.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ISHM, IRAZ, IKIA, EIL, KBZ, BRTR, AAK, MKAR, ZALV, MOTA, FINES, FETA, DAVA, CMAR, NOA, ARCES, SONM, TORD, DBIC, YKA.

IDC 123:32:57.6, 10.0, 32.20S, 179.89W, h153km, mb3.1/3, mb3.0/2, mb1 3.2/3, mb1mx3.1/2.8, mbtmp3.4/3, Error ellipse: s-maj=92.0km s-min=55.6km az=179.0, South of Kermadec Islands

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

IDC 123:35:15.4, 2.1, 1.97N, 126.80E, h0km, mb3.1/3, mb1 3.3/3, mb1mx3.2/3, mbtmp3.1/3, Error ellipse: s-maj=178.5km s-min=24.4km az=66.0, Northern Moccoa Sea

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

ISK 123:49:39.9, 39.60N, 25.98E, h8km, ML2.2/3, ISCJB 123:49:40.7, 0.7, 39.59N, 0.03, 26.00E, 0.05, h6km, 4km, Error ellipse: s-maj=7.0km s-min=4.1km az=14.4, DDA 123:49:41.9, 39.64N, 26.11E, h6km, ML2.5, ISC 123:49:41.0, 1.1, 39.59N, 0.03, 26.03E, 0.05, h10km, 9km, n13, c056/24, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BOZC, BOZC, EZN, SIGR, BAYC, BAYC, AYVA, AYVA, DKL, DKL, CHOS, CHOS, BALLY, BALLY, KRBB, STEP, STEP, KESN, KESN, RKY, RKY, MRMT.

IDC 14:00:04:03.1, 2.2, 5.28S, 153.06E, h0km, mb3.6/5, mb1 3.8/5, mb1mx3.6/2.7, mbtmp3.6/5, Error ellipse: s-maj=89.5km s-min=26.4km az=119.0, New Ireland region

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

IDC 14:00:04:28.6, 1.4, 28.69N, 102.11E, h0km, mb3.6/3, mb1 3.7/4, mb1mx3.4/5, mbtmp3.5/4, ML2.8/1, Error ellipse: s-maj=81.0km s-min=23.3km az=65.0, Sichuan region

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

IDC 14:00:29:17.5, 1.8, 1.09N, 92.54E, h0km, mb3.7/4, mb1 3.9/7, mb1mx3.6/3.2, mbtmp3.8/7, ML3.8/3, Error ellipse: s-maj=46.6km s-min=24.9km az=44.0, ISCJB 14:00:29:19.8, 1.4, 1.1N, 92.92E, 0.1, h33km, mb3.8/4, Error ellipse: s-maj=26.9km s-min=15.2km az=17.2, ISC 14:00:29:22.1, 1.5, 1.1N, 92.92E, 0.1, h35km, n8, c073/8, mb3.9/4, Off west coast of northern Sumatra

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PALK, CMAR, WRA, MKAR, SONM, ZALV, TXAR.

DDA 14 00:31:19.0, 35.43N, 33.29E, h30km, ML3.3, ISK 14 00:31:19.7, 35.41N, 33.34E, h12km, ML3.3/13, ISCJB 14 00:31:20.1, 0.3, 35.41N, 0.02, 33.33E, 0.03, h13km, 3km, Error ellipse: s-maj=4.7km s-min=3.0km az=17.1, NIC 14 00:31:23.6, 0.1, 35.15N, 33.13E, h24km, ML3.3, ISC 14 00:31:20.4, 1.3, 35.40N, 0.02, 33.34E, 0.03, h22km, 4km, n11, c1919/46, Cyprus region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MAMC, AKIN, AKIN, CSS, CSS, CSS, CSS, LEF, LEF, ALFC, ALFC, ALFO, ALFO, ERENK, ERENK, PHNC, PHNC, SZAK, SZAK, AKK, AKK, TEKE, TEKE, BOZY, BOZY, AKKU, AKKU, GULN, GULN, OREN, OREN, YESI, YESI, TEPE, TEPE, IKLE, IKLE, IKL, IKL, PPHY, PPHY, TEVE, TEVE, GAZI, GAZI, GAZI, GAZI, KIZK, KIZK, ERMK, ERMK, ERMK, ERMK, KEPZ, KEPZ, KERG, KERG, GULE, GULE, GULE, GULE, TAHT, TAHT, SUTC, SUTC, KOZT, KOZT, DOGA, DOGA, DDOGA, DDOGA, MMLL, MMLL.

IDC 14:00:40:29.8, 2.1, 4.02N, 95.85E, h0km, mb3.6/4, mb1 3.7/5, mb1mx3.5/3.0, mbtmp3.6/5, ML3.3/1, MS2.9/1, ms11m2.5/2.9, Error ellipse: s-maj=77.3km s-min=18.1km az=47.0, Northern Sumatera

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

MAN 14:00:47:44.3, 10.37N, 126.38E, h9km, mb4.3, ML3.2, MS2.9, IC-10, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SCPH, SCPH, MSLP, MSLP, BUTP, BUTP, RCP, RCP.

UCR 14:00:58:01.4, 2.0, 8.87N, 84.12W, h7km, gkm, MD3.7, ML3.5, MW3.9(UFA), IC, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like EDDO, EDDO, LCR2, LCR2, EDBA, EDBA, DRKO, DRKO, URSC, URSC, HDC, HDC, VTRU, VTRU, BRU2, BRU2, TRTI, TRTI, PNME, PNME, AZU, AZU, ZANG, ZANG, BCIP, BCIP.

NNC 14:01:02:49.0, 2.9, 37.27N, 70.85E, h0km, mb3.8, mpv3.4, 5C-31, Error ellipse: s-maj=22.4km s-min=19.0km az=162.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SFK, SFK, MNAS, MNAS, KKI3, KKI3.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSH, MNAS, JAGI, SFK, PSI, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like J08A, VSU, BEKR, NCK, SCO, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DUG, FRB, PSUT, BW06, PD31, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations 695-975.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations 975-1425.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations 1425-1450.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like LZH, ZEA, MA2, BRDH, etc.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like WRH, CCB, MDM, ILI, ILAR, etc.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like LCO, LCO, BATG, ABTA, WATA, etc.

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14d 4h

554A	Perry	17.67	24	P	P	04 08 11.1 +0.5
348A	Jackson	17.69	11	ePn	P	04 08 11.2 +0.4
348A	Jackson	17.69	11	P	P	04 08 11.3 +2.4
349A	Repton	17.77	13	P	P	04 08 14.6 +2.8
452A	Marianna	17.83	19	P	P	04 08 14.3 +1.9
758A	Lake Helen	17.84	32	P	P	04 08 13.4 +0.9
NATX	Nacogdoches	17.86	352	ePn	P	04 08 13.4 +0.7
NATX	Nacogdoches	17.86	352	P	P	04 08 14.3 +1.6
JCT	Junction City	17.97	337	ePn	P	04 08 14.7 +0.7
JCT	Junction City	17.97	337	eSn	Sn	04 11 30.3 -3.0
JCT	Junction City	17.97	337	eP	P	04 08 14.7 +0.7
JCT	Junction City	17.97	337	ePmax	Pmax	04 11 30.3
JCT	Junction City	17.97	337	P	P	04 08 14.7 +0.7
244A	Avery, Jackson	17.98	3	P	P	04 08 15.9 +1.9
555A	McAlpin	17.99	26	eP	P	04 08 14.7 +0.6
555A	McAlpin	17.99	26	P	P	04 08 16.5 +2.4
657A	Interlachen	18.02	29	P	P	04 08 16.4 +2.0
245A	Little AP, Sta	18.02	5	P	P	04 08 16.8 +2.3
350A	Dotzler	18.04	5	P	P	04 08 15.5 +0.8
246A	Jackson Lee, B	18.09	7	P	P	04 08 17.4 +2.1
351A	Pinckard	18.10	17	P	P	04 08 18.5 +3.1
453A	Whigham	18.12	21	eP	Pn	04 08 14.1 -1.4
453A	Whigham	18.12	21	P	P	04 08 17.9 +2.3
556A	Lake Butler	18.13	27	P	P	04 08 16.1 +0.5
VBMS	Vicksburg	18.16	4	eP	P	04 08 19.1 +3.1
VBMS	Vicksburg	18.16	4	P	P	04 08 17.3 +1.2
658A	Bunnell	18.18	31	P	P	04 08 18.0 +1.7
247A	Quitman	18.20	9	P	P	04 08 19.5 +3.1
454A	Quitman	18.25	23	Pn	Pn	04 08 19.5 +2.5
HPIG	comp=Z,58nm,1.0s	18.25	317	eP	P	04 08 18.2 +0.9
248A	Dixon Mills	18.38	11	P	Pn	04 08 20.9 +2.3
249A	Camden	18.39	13	P	Pn	04 08 21.3 +2.6
557A	Orange Park	18.45	29	P	P	04 08 21.0 +1.5
352A	Blakely	18.50	19	eP	P	04 08 19.4 -0.4
352A	Blakely	18.50	19	P	Pn	04 08 21.8 +1.7
455A	Stateville	18.51	24	P	Pn	04 08 21.0 +0.8
144A	Alexander Plac	18.58	4	P	P	04 08 21.7 +0.7
145A	Houston Renfro	18.59	5	P	Pn	04 08 22.6 +1.5
250A	Grady	18.59	15	eP	P	04 08 20.6 -0.1
250A	Grady	18.59	15	P	Pn	04 08 23.0 +1.8
353A	Camilla	18.61	21	P	Pn	04 08 22.2 +0.8
WHTX	Lake Whitney,	18.63	345	eP	P	04 08 22.3 +0.6
WHTX	Lake Whitney,	18.63	345	P	Pn	04 08 22.3 +0.6
LTX	Lajitas	18.79	326	eP	Pn	04 08 25.2 +1.5
LTX	Lajitas	18.79	326	eP	Pn	04 08 25.3 +1.5
TXAR	Lajitas Array	18.79	326	P	P	04 08 25.2 +1.5
TXAR	comp=Z,1um,18.3s,baz=0.0,slow=40			LR	LR	04 16 50.2
TX31	Lajitas Ar. Si	18.79	326	eP	Pn	04 08 25.0 +1.2
147A	Livingston	18.86	9	eP	P	04 08 26.6 +1.7
TIGA	Tifton	18.91	22	eP	Pn	04 08 26.6 +1.5
TIGA	Tifton	18.91	22	P	Pn	04 08 25.5 +0.4
456A	Hilliard	18.92	27	eP	Pn	04 08 25.1 -0.1
456A	Hilliard	18.92	27	P	Pn	04 08 25.0 -0.1
251A	Miaw	18.93	17	P	Pn	04 08 26.5 +1.3
H06E1	SOCORRO T-PHASE	18.94	287	T	T	04 27 37.8
148A	Greensboro	18.95	11	P	Pn	04 08 26.9 +1.4
OTAV	Otavallo	19.03	135	eP	P	04 08 26.8 +0.6
OTAV	Otavallo	19.03	135	P	Pmax	04 08 26.7 +0.6
457A	Yulee	19.04	28	P	Pn	04 08 27.4 +0.9
252A	Lumpkin	19.04	19	P	Pn	04 08 28.2 +1.6
149A	Jones	19.06	13	P	Pn	04 08 28.2 +1.4
355A	Pearson	19.11	24	P	Pn	04 08 28.0 +0.6
243A	Armstrong Fami	19.12	1	P	Pn	04 08 27.4 -0.1
242A	Norrel Spur, H	19.18	360	P	Pn	04 08 28.6 +0.4
241A	Richland Creek	19.18	357	eP	Pn	04 08 28.3 0.0
241A	Richland Creek	19.18	357	P	Pn	04 08 28.7 +0.4
150A	Eclectic	19.25	15	P	Pn	04 08 30.1 +0.9
253A	Americus	19.29	20	eP	Pn	04 08 30.2 +0.5
253A	Americus	19.29	20	P	Pn	04 08 27.9 -0.5
151A	Opelika	19.36	17	P	Pn	04 08 31.0 +0.6
245A	Winona	19.37	5	eP	Pn	04 08 31.0 +0.4
245A	Winona	19.37	5	P	Pn	04 08 31.5 +0.9
356A	Blackshear	19.39	26	P	Pn	04 08 31.6 +0.8
247A	Carrollton	19.40	9	P	Pn	04 08 32.1 +1.2
LRAL	Lakeview Retre	19.44	12	eP	Pn	04 08 32.4 +1.0
LRAL	Lakeview Retre	19.44	12	P	Pn	04 08 32.8 +1.5
254A	Abbeville	19.48	22	P	Pn	04 08 33.1 +1.2
ROSC	Ei Rosal	19.49	116	P	Pn	04 08 35.2 +2.6
ROSC	Ei Rosal	19.49	116	eP	P	04 08 32.6 0.0
WLAR	White Oak Lake	19.63	357	eP	Pn	04 08 34.5 +0.9
SLBS	Sierra La Lagu	19.66	302	P	Pn	04 08 33.6 -0.6
248A	Northport	19.66	11	P	Pn	04 08 34.3 +0.3
152A	Waverly Hall	19.67	18	eP	Pn	04 08 34.1 0.0
152A	Waverly Hall	19.67	18	P	Pn	04 08 34.0 0.0
249A	Columbiana	19.69	13	P	Pn	04 08 35.7 +1.3

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Y42A	Garnett, Star	19.74	0	P	P	04 08 34.1 +0.8
357A	Townsend	19.75	27	P	Pn	04 08 34.7 -0.4
255A	Hazelhurst	19.77	24	eP	P	04 08 33.1 -0.6
255A	Hazelhurst	19.77	24	P	Pn	04 08 35.1 -0.3
Y41A	Eaglette Beard	19.80	358	P	P	04 08 34.5 +0.6
CCAR	Cane Creek	19.82	0	eP	P	04 08 34.2 0.0
Y43A	Malville and Ka	19.83	2	P	P	04 08 34.2 -0.1
ABTX	Abilene, Hawle	19.86	340	eP	Pn	04 08 37.0 +0.5
ABTX	Abilene, Hawle	19.86	340	P	Pn	04 08 35.7 -0.8
Y45A	Yeager Farm, C	19.87	6	P	Pn	04 08 36.3 -0.2
Z50A	Ashland	19.89	15	eP	Pn	04 08 36.5 -0.3
Z50A	Ashland	19.89	15	P	P	04 08 37.5 +0.7
Y44A	Strider, Charl	19.92	4	P	Pn	04 08 36.9 -0.1
153A	Fort Valley	19.93	20	P	Pn	04 08 37.2 0.0
Y46A	Houston	19.96	7	P	Pn	04 08 37.8 +0.2
256A	Glenville	20.06	25	P	P	04 08 37.7 +0.9
Y47A	UCPARC, Winfie	20.13	10	P	Pn	04 08 39.8 +0.2
LPIG	La Paz	20.14	303	LR	LR	04 16 36.3
Z51A	Franklin	20.14	16	P	P	04 08 38.9 +1.1
154A	Montrose	20.15	22	eP	Pn	04 08 39.9 +0.1
154A	Montrose	20.15	22	P	Pn	04 08 39.7 -0.1
Z52A	Williamson	20.24	18	P	Pn	04 08 41.0 0.0
Y48A	Jasper	20.26	11	P	Pn	04 08 41.1 +0.1
SDDR	Presa de Saban	20.28	73	eP	P	04 08 39.5 +0.1
Y49A	Blount Mountain	20.36	13	eP	Pn	04 08 41.5 -0.7
Y49A	Blount Mountain	20.36	13	P	Pn	04 08 42.5 +0.2
155A	Kite	20.39	23	P	Pn	04 08 42.7 0.0
X41A	Kaden, Bauxite	20.41	358	P	Pn	04 08 41.8 -1.0
X40A	Basin Creek Fa	20.41	358	eP	Pn	04 08 42.3 -0.6
X40A	Basin Creek Fa	20.41	358	P	Pn	04 08 41.7 +1.1
257A	Skidaway Islan	20.42	27	P	Pn	04 08 42.7 -0.3
X43A	Marvell	20.44	2	eP	Pn	04 08 42.6 -0.5
X43A	Marvell	20.44	2	P	P	04 08 41.3 +0.5
X45A	UM Field Stati	20.44	6	P	P	04 08 41.6 +0.6
X42A	Stuttgart	20.45	0	P	P	04 08 41.6 +0.5
X44A	Greeshaw	20.46	4	P	P	04 08 40.7 -0.4
MIAR	Mount Ida	20.51	356	eP	P	04 08 42.7 +1.0
MIAR	Mount Ida	20.51	356	eP	Pmax	04 08 42.7 +1.0
MIAR	Mount Ida	20.51	356	P	P	04 08 42.0 +0.3
OXF	Oxford	20.53	6	eP	P	04 08 42.7 +0.9
OXF	Oxford	20.53	6	eP	Pmax	04 08 42.7 +0.9
OXF	Oxford	20.53	6	P	P	04 08 42.7 +0.9
Y50A	Piedmont	20.55	15	P	P	04 08 43.3 +1.2
Z53A	Monticello	20.59	20	P	P	04 08 43.3 +0.7
X46A	Booneville	20.66	8	P	P	04 08 44.6 +1.2
UALR	University of	20.68	359	eP	Pn	04 08 45.7 -0.3
Y51A	Rockmart	20.73	16	P	Pn	04 08 46.2 -0.3
X47A	Russellville	20.73	9	P	P	04 08 45.1 +1.1
X37A	Gaston	20.74	352	eP	Pn	04 08 45.9 -0.9
GOGA	Godfrey	20.75	20	eP	Pn	04 08 46.0 -0.8
GOGA	Godfrey	20.75	20	eP	Pmax	04 08 46.0 -0.8
GOGA	Godfrey	20.75	20	P	Pn	04 08 46.1 -0.7
X48A	Hartselle	20.80	11	eP	Pn	04 08 46.5 -0.9
X48A	Hartselle	20.80	11	P	Pn	04 08 46.4 -1.0
Z54A	Spartanburg	20.81	22	P	Pn	04 08 47.0 -0.5
156A	Sylvania	20.81	25	P	Pn	04 08 46.6 -0.8
Y52A	Lilburn	20.98	18	eP	Pn	04 08 48.5 -1.0
Y52A	Lilburn	20.98	18	P	Pn	04 08 48.3 +1.5
X49A	Woodville	21.01	13	P	P	04 08 47.5 +0.5
W43A	Forest City	21.01	3	P	P	04 08 47.8 +0.7
Z55A	Blythe	21.05	23	P	P	04 08 48.0 +0.4
W41B	Gary Mavity, V	21.08	359	eP	P	04 08 49.7 +1.9
W41B	Gary Mavity, V	21.08	359	P	P	04 08 50.5 +2.7
X50B	Fort Payne	21.11	14	P	P	04 08 49.9 +1.7
W44A	Shelby Farms P	21.11	5	P	P	04 08 49.8 +1.6
Y53A	Monroe	21.12	19	P	P	04 08 49.9 +1.6
PLAL	Pickwick Lake	21.15	9	eP	P	04 08 49.8 +1.2
W39A	Magazine	21.17	356	eP	P	04 08 50.2 +1.4
W39A	Magazine	21.17	356	P	P	04 08 49.5 +0.7
W45A	Hickory Valley	21.19	6	P	P	04 08 49.7 +0.7
WHAR	Woolly Hollow	21.19	359	eP	P	04 08 50.2 +1.1
W46A	Michie	21.26	8	P	P	04 08 50.3 +0.6
SDV	Santo Domingo	21.36	102	P	P	04 08 49.9 -1.3
SDV	Santo Domingo	21.36	102	PcP	PcP	04 12 54.6 -0.3
SDV	Santo Domingo	21.36	102	eS	Sn	04 12 54.6 -0.9
X51A	Calhoun	21.41	16	eP	P	04 08 53.0 +1.6
X51A	Calhoun	21.41	16	P	P	04 08 52.4 +1.0
Y54A	Tignall	21.43	21	P	P	04 08 52.7 +1.2
GDLZ	Guadalupe Moun	21.44	330	eP	P	04 08 53.6 +1.7
HBAR	Harrisburg	21.48	3	eP	P	04 08 53.5 +1.4
W47A	Westpoint	21.49	9	P	P	04 08 52.5 +0.3
W48A	Pulaski	21.49	11	P	P	04 08 53.6 +1.3

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MNTX	Cornudas Mount	21.56	327	eP	P	04 08 53.8 +0.7
MNTX	Cornudas Mount	21.56	327	P	P	04 08 54.1 +1.1
WMOK	Wichita Mounta	21.58	344	eP	P	04 08 53.6 +0.3
WMOK	Wichita Mounta	21.58	344	eP	Pmax	04 08 53.6 +0.3
WMOK	Wichita Mounta	21.58	344	P	P	04 08 53.2 -0.1
W49A	Belvidere	21.61	12	P	P	04 08 54.9 +1.4
V41A	Mountainville	21.68	359	P	P	04 08 55.1 +1.7
V42A	Cord	21.71	1	P	P	04 08 55.0 +0.4
V43A	Jonesboro	21.71	3	P	P	04 08 54.5 -0.1
X52A	Dahlonega	21.72	18	eP	P	04 08 55.2 +0.4
NHSC	New Hope	21.76	27	eP	P	04 08 55.3 +0.1
NHSC	New Hope	21.76	27	P	P	04 08 56.4 +1.2
SWET						

T46A Princeton	23.20	8	P	P	04 09 10.7 +0.3	P42A Winchester	25.51	3	eP	P	04 09 32.2 +0.5	MCWV Mont Chateau	27.63	20	P	P	04 09 51.2 +0.3
baz=189,SNR=19						P42A Winchester	25.51	3	P	P	04 09 31.1 -0.6	WUAZ Wupatki	27.72	324	eP	P	04 09 53.8 +1.8
SRIG Santa Rosalia	23.21	308	eP	P	04 09 12.1 +1.5	baz=183,SNR=16					04 09 31.4 -0.4	WUAZ Wupatki	27.72	324	P	P	04 09 52.9 +0.9
comp=Z,112nm,1.1s						Saracreek, WI	25.51	6	P	P	04 09 31.4 -0.4	baz=136,SNR=19					
T47A Sharon Creek	23.27	10	eP	P	04 09 11.4 +0.4	baz=187,SNR=10					04 09 29.9 -2.4	M47A Cromwell	27.78	10	P	P	04 09 51.7 -0.4
baz=191,SNR=53						MTP Monte Pirata	25.54	77	eP	P	04 09 32.1 -0.1	baz=193					
U51A La Follette	23.34	16	P	P	04 09 11.9 +0.1	comp=Z,84nm,1.7s					04 09 32.3 0.0	BGNE Belgrade	27.85	350	eP	P	04 09 53.3 +0.4
baz=198,SNR=33						R52A Cattelsting	25.55	17	P	P	04 09 32.0 0.0	comp=Z,45nm,0.8s					
S41A Jillico Farms,	23.48	0	P	P	04 09 12.2 -0.9	baz=201,SNR=6.8					04 09 31.4 -1.3	BGNE Belgrade	27.85	350	P	P	04 09 51.8 -1.1
baz=180						P43A Skaggs, Pawnee	25.61	4	P	P	04 09 31.4 -1.3	L42A Oliver, Polo	27.95	3	eP	P	04 09 54.1 +0.4
T48A Bowling Green	23.51	11	P	P	04 09 12.9 -0.5	baz=195					04 09 32.2 -0.7	L42A Oliver, Polo	27.95	3	P	P	04 09 54.0 +0.3
baz=193,SNR=5						T25A Trinidad	25.63	336	eP	P	04 09 34.6 +1.4	L40A Anamosa	27.96	1	eP	P	04 09 53.4 -0.4
121A Cookes Peak, D	23.51	324	P	P	04 09 14.9 +1.2	comp=Z,102nm,1.1s					L40A Anamosa	27.96	1	P	P	04 09 53.1 -0.6	
baz=138,SNR=35						P45A Graceland, Par	25.67	7	eP	P	04 09 34.2 0.0	baz=181					
S43A Fulton Ridge,	23.52	3	P	P	04 09 12.2 -1.3	comp=Z,63nm,0.8s					04 09 32.7 -0.5	N51A Ashland	28.05	15	P	P	04 09 53.4 -1.1
baz=184,SNR=22						P45A Graceland, Par	25.67	7	P	P	04 09 32.7 -0.5	M49A Liberty Center	28.20	13	P	P	04 09 54.8 -1.2
U52A Thorn Hill	23.54	17	P	P	04 09 13.8 +0.1	baz=189,SNR=12					04 09 34.8 +1.4	GLA Glamis	28.20	316	eP	P	04 09 58.4 +1.8
baz=200						CBKS Cedar Bluff	25.68	346	eP	P	04 09 34.8 +1.4	GLA Glamis	28.26	316	eP	P	04 09 58.4 +1.8
319A Douglas	23.58	320	eP	P	04 09 15.9 +1.6	comp=Z,71nm,1.0s					04 09 33.3 -0.1	GLA					
Tazewell	23.63	17	eP	P	04 09 15.3 +0.7	CBKS Cedar Bluff	25.68	346	P	P	04 09 33.3 -0.1	GLA					
comp=Z,195nm,1.2s						Q50A Georgetown	25.68	14	P	P	04 09 32.9 -0.4	GLA					
TZTN Tazewell	23.63	17	eP	P	04 09 15.5 +0.9	baz=162,SNR=11					04 09 34.7 +0.1	PV01 Paradox Valley	28.26	331	eP	P	04 09 58.5 +1.6
baz=200,SNR=8.5						P46A Rosedale	25.83	8	P	P	04 09 34.7 +0.1	L44A Lake County Fo	28.27	6	P	P	04 09 56.8 +0.2
TZTN Tazewell	23.67	13	eP	P	04 09 15.8 +0.8	baz=190,SNR=14					04 09 34.4 -0.4	OGNE Ogilvie	28.28	344	eP	P	04 09 58.1 +1.3
comp=Z,77nm,1.2s						P47A Martinsville	25.84	10	P	P	04 09 35.4 -0.5	OGNE Ogallala	28.34	344	P	P	04 09 57.3 +0.5
T49A Edmonton	23.67	13	P	P	04 09 15.3 +0.3	P48A Milroy	25.97	11	P	P	04 09 35.4 -0.5	L46A Euc Claire	28.31	9	P	P	04 09 55.7 -1.2
baz=195,SNR=13						Q51A Peebles	26.01	15	eP	P	04 09 36.4 0.0	PV02 Paradox Valley	28.40	331	eP	P	04 09 59.5 +1.4
S42A Caledonia	23.68	2	P	P	04 09 14.0 -1.1	comp=Z,95nm,0.9s					04 09 36.7 +0.3	PV13 Radium Mtn., P	28.40	331	eP	P	04 09 59.5 +1.5
baz=182,SNR=18						Q51A Peebles	26.01	15	P	P	04 09 36.7 +0.3	ISCO Idaho Springs	28.41	337	eP	P	04 09 59.6 +1.4
S44A Carbondale	23.70	5	P	P	04 09 14.9 -0.3	O41A Passleys Farm,	26.02	2	P	P	04 09 34.3 -2.1	ISCO Idaho Springs	28.41	337	eP	P	04 09 59.7 +1.4
baz=186,SNR=49						baz=199,SNR=20					04 09 36.8 -1.3	ISCO					
SIUC Southern Illin	23.72	5	eP	P	04 09 16.2 +0.8	P49A Mize Univ. Ec	26.18	12	P	P	04 09 36.2 -1.7	ISCO					
comp=Z,228nm,0.9s						baz=195					04 09 37.1 -2.5	PV05 Paradox Valley	28.46	331	eP	P	04 10 00.2 +1.6
T50A Nancy	23.75	14	P	P	04 09 14.0 -1.7	X18A Snowflake	26.20	324	eP	P	04 09 40.0 +1.7	Y12C Blythe	28.48	318	P	P	04 10 00.7 +2.1
baz=197,SNR=22						O44A Mastfield	26.21	6	P	P	04 09 36.8 -1.3	Y12C Blythe	28.48	318	P	P	04 09 59.8 +1.2
S45A Carrier Mills	23.75	6	P	P	04 09 14.5 -1.1	214A Organ Pipe Nat	26.24	316	P	P	04 09 36.7 -1.9	M51A Elyria	28.48	15	P	P	04 09 57.1 -1.4
baz=187,SNR=6.8						Q52A Bidwell	26.24	17	P	P	04 09 38.7 +0.3	PV03 Paradox Valley	28.49	331	eP	P	04 10 00.3 +1.5
U53A Fall Branch	23.75	19	P	P	04 09 14.5 -1.2	O43A Sugar Creek Fa	26.27	4	P	P	04 09 37.3 -1.3	PV18 Skein Mesa, Pa	28.51	331	eP	P	04 10 00.8 +1.8
baz=202,SNR=5.6						baz=185					04 09 37.1 -2.5	PV12 Saucer Basin,	28.52	321	eP	P	04 10 01.1 +2.0
S46A Don Dixon Farm	23.86	8	P	P	04 09 16.3 -0.4	O45A Potomac	26.38	7	P	P	04 09 37.1 -2.5	ISCO Idaho Springs	28.52	2	P	P	04 09 58.9 +0.1
baz=190,SNR=6.8						P50A Jamestown	26.46	14	P	P	04 09 40.0 -0.3	ISCO					
S47A Hartford	23.89	10	P	P	04 09 16.4 -0.6	W18A Petrified Fore	26.51	326	eP	P	04 09 43.0 +1.8	ISCO					
baz=192						comp=Z,47nm,1.0s					04 09 41.7 +0.6	SMCO Snowmass	28.42	335	eP	P	04 10 00.1 +1.7
FVM French Village	23.91	3	eP	P	04 09 16.9 -0.3	W18A Petrified Fore	26.51	326	P	P	04 09 41.7 +0.6	comp=Z,33nm,1.1s					
French Village	23.91	3	eP	P	04 09 16.9 -0.3	P51A Williamsport	26.52	15	eP	P	04 09 41.2 +0.3	L47A Sherwood	28.45	10	P	P	04 09 56.5 -1.6
FVM						baz=199,SNR=6.6					04 09 37.1 -2.5	PV05 Paradox Valley	28.46	331	eP	P	04 10 00.2 +1.6
FVM						comp=Z,57nm,1.3s					04 09 40.0 -0.3	Y12C Blythe	28.48	318	P	P	04 09 59.8 +1.2
comp=Z,29nm,1.2s						214A Organ Pipe Nat	26.24	316	P	P	04 09 36.7 -1.9	ISCO					
T51A Gray	23.91	16	P	P	04 09 17.2 -0.1	Q52A Bidwell	26.24	17	P	P	04 09 38.7 +0.3	ISCO					
baz=199,SNR=14						O43A Sugar Creek Fa	26.27	4	P	P	04 09 37.3 -1.3	ISCO					
CCM Cathedral Cave	23.95	1	eP	P	04 09 17.3 -0.3	baz=185					04 09 37.1 -2.5	PV05 Paradox Valley	28.46	331	eP	P	04 10 00.2 +1.6
comp=Z,85nm,1.1s						O45A Potomac	26.38	7	P	P	04 09 37.1 -2.5	Y12C Blythe	28.48	318	P	P	04 10 00.7 +2.1
CCM Cathedral Cave	23.95	1	eP	P	04 09 17.3 -0.3	P50A Jamestown	26.46	14	P	P	04 09 40.0 -0.3	ISCO					
CCM						W18A Petrified Fore	26.51	326	eP	P	04 09 43.0 +1.8	ISCO					
CCM						comp=Z,47nm,1.0s					04 09 41.7 +0.6	ISCO					
comp=Z,85nm,1.1s						W18A Petrified Fore	26.51	326	P	P	04 09 41.7 +0.6	ISCO					
CCM Cathedral Cave	23.95	1	P	P	04 09 16.3 -1.3	P51A Williamsport	26.52	15	eP	P	04 09 41.2 +0.3	ISCO					
baz=191,SNR=16						P51A Williamsport	26.52	15	P	P	04 09 40.8 -0.1	ISCO					
S48A Wiedeman Farm,	24.10	11	P	P	04 09 18.1 -0.9	HDIL Hopedale	26.54	4	eP	P	04 09 41.4 +0.3	ISCO					
baz=193,SNR=16						comp=Z,99nm,1.1s					04 09 40.0 -1.0	ISCO					
BNM Barren Site	24.12	329	eP	P	04 09 21.5 +1.9	HDIL Hopedale	26.54	4	P	P	04 09 40.0 -1.0	ISCO					
UNIN University of	24.14	8	eP	P	04 09 21.0 +0.8	O47A Sheridan	26.59	10	P	P	04 09 40.5 -1.0	ISCO					
comp=Z,109nm,0.9s						baz=192					04 09 41.8 +0.2	L48A N Adams	28.56	12	P	P	04 09 58.1 -1.1
R42A Luebbing	24.19	2	P	P	04 09 18.8 -1.0	SFIN Lafayette	26.59	8	eP	P	04 09 41.8 +0.2	PV17 West Nyswonger	28.56	331	eP	P	04 10 01.5 +2.0
baz=182,SNR=25						comp=Z,49nm,1.0s					04 09 43.5 +1.5	PV16 Nyswonger Mesa	28.56	331	eP	P	04 10 01.5 +2.0
R41A Rosebud	24.19	1	P	P	04 09 19.3 -0.5	SDCO Great Sand Dun	26.59	335	eP	P	04 09 43.5 +1.5	SDCO Great Sand Dun	28.56	331	eP	P	04 10 01.5 +2.0
baz=181,SNR=15						comp=Z,42nm,1.3s					04 09 42.6 +0.7	SDMO Pikes Dam, Lak	28.58	319	P	P	04 09 59.1 -0.3
Y22D IRIS PASSCAL I	24.22	328	eP	P	04 09 21.8 +1.5	SDCO Great Sand Dun	26.59	335	P	P	04 09 42.6 +0.7	K39A Oelwein	28.59	360	P	P	04 09 60.0 +0.5
comp=Z,384nm,1.1s						baz=149,SNR=30					04 09 43.4 +0.9	K40A Colesburg	28.59	1	P	P	04 09 59.8 +0.3
Y22D IRIS PASSCAL I	24.22	328	P	P	04 09 22.3 +1.9	N41A Harden Midland	26.61	2	P	P	04 09 40.0 -1.7	baz=180					
baz=142						KSCO Key Shedlock	26.68	341	eP	P	04 09 43.4 +0.9	baz=180					
R43A Red Bud	24.23	4	P	P	04 09 19.7 -0.4	KSCO Key Shedlock											

LDFC	Landfair	29.68 319	eP	P	04 10 11.6	+2.2
XPFO	Piacon Flat	29.69 315	eP	P	04 10 10.4	+1.0
PFO	Pinoy Flats O	29.69 315	P	P	04 10 10.4	+0.9
O20A	White River Ci	29.75 334	eP	P	04 10 11.7	+1.6
O20A	White River Ci	29.75 334	eP	P	04 10 11.3	+1.3
NNA	Nana	29.79 149	P	P	04 10 09.9	-0.4
NNA	comp=Z,13nm,0.9s,baz=289,slow=6.9,SNR=2.6			LR	04 19 47.5	
NNA	comp=Z,1um,20.8s,baz=328,slow=3.2			LR		
NNA	Nana	29.79 149	eP	P	04 10 14.8	+4.5
LCMT	Little Creek M	29.84 324	eP	P	04 10 12.5	+1.7
GMRC	Granite Mounta	29.86 318	P	P	04 10 12.3	+1.3
I42A	Draeger Farm,	29.88 4	P	P	04 10 10.1	-0.7
ECSD	EROS Data Cent	29.91 353	eP	P	04 10 11.8	+0.7
ECSD	EROS Data Cent	29.91 353	P	P	04 10 11.1	0.0
K51A	Iona Station	29.96 15	P	P	04 10 10.7	-0.9
SRU	San Rafael Swe	29.96 330	eP	P	04 10 13.6	+1.7
SRU	San Rafael Swe	29.96 330	eP	P	04 10 13.6	+1.7
I41A	Arkdale	29.99 3	P	P	04 10 10.8	-1.1
MTPU	Mount Pierson	30.00 327	eP	P	04 10 14.7	+2.3
Q16A	Castle Valley	30.13 329	eP	P	04 10 15.7	+2.2
LUPA	Lehigh Unvers	30.14 25	eP	P	04 10 14.4	+1.3
SZCU	Shurtz Canyon	30.17 325	eP	P	04 10 15.6	+1.8
J49A	Mariette	30.18 13	P	P	04 10 12.3	-1.3
P18A	Preston Nutter	30.24 331	eP	P	04 10 16.2	+1.8
N59A	State Game Lan	30.24 25	eP	P	04 10 14.4	+0.3
N59A	State Game Lan	30.24 25	P	P	04 10 13.0	-1.1
CCUT	Cedar City	30.29 325	eP	P	04 10 17.1	+2.3
I46A	Reed City	30.32 9	P	P	04 10 13.6	-1.2
MSU	Marysvalle	30.34 327	eP	P	04 10 17.2	+1.9
MSU	Marysvalle	30.34 327	eP	P	04 10 17.2	+1.9
P17A	Butcher Ranch,	30.35 330	eP	P	04 10 16.9	+1.6
TUQ	Turquoise Moun	30.43 319	P	P	04 10 17.0	+1.0
TMUT	Trail Mountain	30.44 329	eP	P	04 10 18.1	+1.8
BRNJ	Basking Ridge	30.55 26	eP	P	04 10 17.7	+1.0
H38A	Malden Rock	30.57 359	P	P	04 10 16.4	-0.5
H39A	Augusta	30.57 1	P	P	04 10 16.4	-0.6
SHPR	Sheep Range	30.63 321	eP	P	04 10 19.2	+1.4
RWWY	Rawlins	30.65 337	eP	P	04 10 19.2	+1.2
RWWY	comp=Z,45nm,1.3s			eP	04 13 15.7	-0.1
J52A	Paris	30.72 16	P	P	04 10 17.7	-0.6
KSPA	Keystone Colle	30.79 24	eP	P	04 10 19.5	+0.7
ODNJ	Ogdensburg	30.86 26	eP	P	04 10 20.5	+0.9
BFSC	State Mount Baldy R	30.87 315	P	P	04 10 19.1	-0.8
GSC	Goldstone, Bar	30.91 318	eP	P	04 10 21.8	+1.6
GSC	Goldstone, Bar	30.91 318	eP	P	04 10 21.8	+1.6
GSC	comp=Z,31nm,1.6s			P	04 10 19.4	-0.8
GSC	Goldstone, Bar	30.91 318	P	P	04 10 19.4	-0.8
H46A	Fife Lake	30.94 9	P	P	04 10 18.9	-1.3
MMNY	Mt. Morris Dam	31.03 20	P	P	04 10 21.0	-0.1
G38A	Ridgeland	31.06 360	P	P	04 10 21.5	+0.2
I51A	Listowel	31.10 15	P	P	04 10 21.1	-0.6
PAL	Palisades	31.10 27	eP	P	04 10 22.4	+0.8
PAL	Palisades	31.10 27	eP	P	04 10 22.4	+0.8
PAL	comp=Z,46nm,1.0s			P	04 10 21.3	-0.3
PAL	Palisades	31.10 27	P	P	04 10 21.3	-0.3
SPMN	Marine on St.	31.12 359	eP	P	04 10 22.3	+0.5
SPMN	Marine on St.	31.12 359	P	P	04 10 21.9	+0.1
MWC	Mount Wilson	31.13 315	eP	P	04 10 24.3	+2.0
MWC	Mount Wilson	31.13 315	eP	P	04 10 24.3	+2.0
G39A	Holcombe	31.18 1	P	P	04 10 22.4	+0.1
MPU	Maple Canyon	31.20 330	eP	P	04 10 24.1	+1.3
K22A	Casper	31.24 339	eP	P	04 10 24.4	+1.3
K22A	Casper	31.24 339	P	P	04 10 24.1	+1.0
BINY	Binghamton	31.25 23	P	P	04 10 22.7	-0.3
PSUT	Pine Spring	31.26 325	eP	P	04 10 25.4	+2.0
G45A	Suttons Bay	31.37 8	P	P	04 10 23.3	-0.7
NLU	North Lily Min	31.38 329	eP	P	04 10 26.1	+1.7
EDW2	Edwards Air Fo	31.46 316	P	P	04 10 24.5	-0.5
I53A	Kortright Cn E	31.50 17	P	P	04 10 24.8	-0.4
I52A	Shelburne	31.56 16	P	P	04 10 25.5	-0.2
JLU	Jordanelle	31.57 331	eP	P	04 10 27.8	+1.7
TPNV	Topopah Spring	31.59 321	eP	P	04 10 28.1	+1.9
TPNV	Topopah Spring	31.59 321	eP	P	04 13 20.0	+1.7
TPNV	Topopah Spring	31.59 321	eP	P	04 10 28.1	+1.9
TPNV	comp=Z,48nm,1.4s			P	04 10 28.4	+2.2
LRMC	Laurel Mtn Rad	31.60 317	P	P	04 10 27.9	+1.6
F37A	Hinrichs Farm,	31.62 359	P	P	04 10 26.3	+0.1
FURC	Furnace Creek,	31.66 319	P	P	04 10 28.7	+2.0
YLE	Yale	31.78 28	eP	P	04 10 28.2	+0.6
RSSD	Black Hills	31.78 343	eP	P	04 10 28.8	+0.9
RSSD	Black Hills	31.78 343	eP	P	04 10 28.8	+0.9
RSSD	comp=Z,15nm,0.8s			P	04 10 28.1	+0.2
RSSD	Black Hills	31.78 343	P	P	04 10 28.1	+0.2
CTU	Camp Tracy	31.79 330	eP	P	04 10 29.4	+1.4
MPMC	Manual Propsec	31.81 318	P	P	04 10 29.7	+1.4
F40A	Park Falls	31.84 2	P	P	04 10 27.4	-0.7
F38A	Pierce - Schro	31.85 360	P	P	04 10 27.4	-0.8

DUG	Dugway, Tooele	31.93 329	eP	P	04 10 31.0	+1.8
DUG	Dugway, Tooele	31.93 329	eP	P	04 10 31.0	+1.8
DUG	comp=Z,44nm,1.4s			P	04 10 30.9	+1.7
DUG	Dugway, Tooele	31.93 329	P	P	04 10 31.0	+1.5
TCUT	Toone Canyon	31.96 331	eP	P	04 10 31.0	+1.5
DAC	Troy Canyon, C	32.01 318	eP	P	04 10 31.8	+1.8
DAC	Darwin (Calif)	32.01 318	eP	P	04 10 31.8	+1.8
DAC	comp=Z,23nm,1.1s			P	04 10 29.4	-0.8
COWI	Conover	32.07 3	eP	P	04 10 32.7	+1.8
R11A	Troy Canyon, C	32.11 323	eP	P	04 10 32.7	+1.8
R11A	Troy Canyon, C	32.11 323	P	P	04 10 32.7	+1.8
ARVC	Arvin	32.16 316	P	P	04 10 30.9	-0.2
H52A	Wyevale	32.17 16	P	P	04 10 30.3	-0.7
F44A	Big Bay de Noc	32.18 7	P	P	04 10 30.2	-0.9
ISA	Isabella, Lake	32.23 317	eP	P	04 10 33.4	+1.6
ISA	Isabella, Lake	32.23 317	eP	P	04 10 33.4	+1.6
ISA	comp=Z,23nm,1.4s			P	04 10 31.1	-0.6
ISA	Isabella, Lake	32.23 317	P	P	04 10 33.3	+0.9
GRAC	Grapevine Rang	32.31 320	P	P	04 10 33.1	+0.9
E40A	Wakefield	32.37 2	P	P	04 10 32.2	-0.6
HWUT	Hardware Ranch	32.42 332	eP	P	04 10 35.0	+1.6
HWUT	Cottonwood Cre	32.42 318	eP	P	04 13 21.6	+1.2
CWC	Cottonwood Cre	32.42 318	eP	P	04 10 33.8	+0.2
I55A	Frankford	32.43 19	P	P	04 10 32.5	-0.8
BW06	Boulder Array	32.49 335	eP	P	04 10 35.4	+1.2
BW06	Boulder Array	32.49 335	P	P	04 10 33.8	-0.3
PD31	Pinedale Array	32.49 335	eP	P	04 10 35.4	+1.2
PD31	Pinedale Array	32.49 335	P	P	04 10 32.5	+1.8
PDAR	Pinedale Array	32.49 335	P	P	04 10 35.0	+0.8
PDAR	comp=Z,4.8nm,0.9s,baz=139,slow=4.2,SNR=5.8			P	04 13 20.4	-0.4
PDAR	Pinedale Array	32.49 335	eP	P	04 13 20.8	+0.1
E38A	The Farm, Brul	32.49 0	eP	P	04 10 33.9	0.0
E38A	The Farm, Brul	32.49 0	P	P	04 10 33.1	-0.7
SADO	Sadowa	32.50 17	eP	P	04 10 34.4	+0.5
E43A	Lone Tree Farm	32.52 6	eP	P	04 10 33.5	-0.5
BGU	Big Grassy Mou	32.59 329	eP	P	04 10 36.5	+1.6
BGU	comp=Z,35nm,1.0s			eP	04 13 22.5	+1.6
SPUT	South Promonto	32.60 330	eP	P	04 10 36.3	+1.3
TRY	Troy	32.62 25	eP	P	04 10 35.8	+0.8
PKM	Mpherson Peak	32.71 314	P	P	04 10 34.9	-1.2
F49A	Sandfield	32.71 13	P	P	04 10 34.4	-1.3
YES	Vestal, Richgr	32.74 316	P	P	04 10 36.7	+0.6
QUA2	Belchertown	32.81 27	eP	P	04 10 37.1	+0.5
E6FA	Sault Ste Mari	32.87 10	P	P	04 10 35.7	-1.4
H55A	Tweed	32.89 19	P	P	04 10 36.5	-0.9
BRYW	Bryant College	32.89 28	eP	P	04 10 38.1	+0.7
G53A	Haliburton	32.97 17	P	P	04 10 36.7	-1.4
SMMC	Simler	33.06 315	P	P	04 10 37.0	-2.0
HVU	Hansel Valley	33.12 331	eP	P	04 10 40.8	+1.2
HVU	Hansel Valley	33.12 331	eP	P	04 10 40.8	+1.2
E47A	Iron Bridge	33.13 11	P	P	04 10 38.2	-1.2
AHID	Auburn Hatcher	33.13 334	eP	P	04 10 41.4	+1.7
AHID	comp=Z,40nm,0.9s			eP	04 13 25.9	+3.5
ACCN	Adirondack Com	33.16 25	eP	P	04 10 40.2	+0.9
H56A	Elgin	33.23 20	P	P	04 10 40.1	-0.2
HRV	Adam Dzewiosk	33.35 28	eP	P	04 10 41.8	+0.4
HRV	Adam Dzewiosk	33.35 28	eP	P	04 10 41.8	+0.4
HRV	comp=Z,73nm,0.9s			P	04 10 40.5	-0.9
HRV	Adam Dzewiosk	33.35 28	P	P	04 10 41.9	+0.4
WES	Weston	33.36 28	eP	P	04 10 41.9	+0.4
WES	comp=Z,142nm,1.5s			P	04 10 40.5	-1.0
F51A	Arnstein	33.36 15	P	P	04 10 41.0	-0.5
E48A	Lockeyer	33.37 12	P	P	04 10 42.6	+0.9
BCX	Boston College	33.39 28	eP	P	04 10 41.1	-0.6
F52A	Sundridge	33.39 16	P	P	04 10 41.1	-0.6
D46A	Sault St. Mari	33.42 10	P	P	04 10 41.4	-0.5
NCB	Newcomb	33.43 23	eP	P	04 10 42.6	+0.5
PAGB	Antelope Grade	33.46 315	eP	P	04 10 44.3	+1.8
REDW	Red Top Meadow	33.52 334	eP	P	04 10 44.7	+1.6
SNOW	Snow King Moun	33.56 335	eP	P	04 10 44.8	+1.3
ELK	Elko	33.59 327	eP	P	04 10 45.7	+1.9
ELK	Elko	33.59 327	eP	P	04 10 45.7	+1.9
LOHW	Long Hollow	33.62 335	eP	P	04 10 45.3	+1.3
E50A	Wahnapiitae	33.63 14	P	P	04 10 42.7	-1.0
G55A	Walbridge	33.67 19	P	P	04 10 43.0	-1.1
NV11	Mina Array Sit	33.69 321	eP	P	04 10 45.6	+0.9
NV11	comp=Z,4.7nm,1.0s			eP	04 13 25.2	+1.2
OMMB	Old Mammoth Mi	33.72 319	eP	P	04 10 46.3	+1.3
D47A	Chapleau	33.74 11	P	P	04 10 43.8	-0.9
MDPB	Devos Postpil	33.78 319	eP	P	04 10 47.0	+1.5
NV01	Mina Array Sit	33.78 321	eP	P	04 10 46.8	+1.3
NV01	comp=Z,32nm,1.1s			eP	04 13 25.6	+1.2
NVAR	Mina Array Bea	33.78 321	P	P	04 10 46.1	+0.6
NVAR	comp=Z,30nm,0.8s,baz=138,slow=3.7,SNR=196			P	04 13 25.5	+1.1
NVAR	comp=Z,9.2nm,0.9s,baz=142,slow=3.8,SNR=6.8			LR	04 26 23.7	
MOOW	Moose Ponds	33.79 335	eP	P	04 10 47.1	+1.6
MOOW	comp=Z,45nm,1.4s			eP	04 13 25.1	+0.8
FXWY	Fox Creek	33.81 335	eP	P	04 10 47.5	+1.7
FXWY	comp=Z,32nm,1.3s			eP	04 13 25.9	+1.5

EYMN	Ely	33.84 0	eP	P	04 10 44.7	-0.8
EYMN	Ely	33.84 0	P	P	04 10 45.0	-0.6
LONY	Lake Ozonia	33.85 22	eP	P	04 10 45.8	0.0
LONY	Lake Ozonia	33.85 22	P	P	04 10 45.6	-0.2
ES2A	Mattawa	34.0				

Table with columns: Code, Station Name, Az, El, AzE, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MOOSALM, SEYMCHAN, KASPERSKA HORY, etc.

Table with columns: Code, Station Name, Az, El, AzE, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like NJ2 Nanjing, GTA Gaotai, LNZH Lanzhou, etc.

Table with columns: Code, Station Name, Az, El, AzE, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KNRA, WRKA Warakurna, KDU Kakadu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

UCR 14 04:21:34.1±2.2, 12.72N:90.28W, h13km, 7km, ML4.1, mb4.3(NEIC)
IDC 14 04:21:40.1±2.6, 13.52N:89.66W, h35km, 16km, mb3.6/9, mb1 3.9/13, mb1mx3.7/36, mbtmp3.9/13, ML3.4/2, MS3.9/1, MS1 3.9/1, ms1mx3.2/36, Error ellipse: s-maj=17.7km, s-min=11.5km az=43.0

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.

ISCJB 14 04:33:27.8±0.4, 41.96N:104.150E, 0.05, h148km, 3km, mb3.7/9, Error ellipse: s-maj=6.8km, s-min=5.8km az=41.4
IDC 14 04:33:29.8±1.6, 42.10N:140.29E, h142km, 16km, mb3.5/9, mb1 3.6/11, ms1mx3.3/37, mbtmp3.9/11, MS4.2/2, Ms1 4.2/2, ms1mx3.0/39, Error ellipse: s-maj=27.7km, s-min=15.7km az=145.0

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.

NEIC 14 04:52:53.1±1.0, 17.30N:94.75W, h144km, MD4.0(MEX), After MEX, MEX 14 04:52:53.1±1.0, 17.30N:94.75W, h144km, 7km, MD4.0, Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

UCR 14 04:58:46.3±1.2, 13.66N:92.19W, h84km, 52km, ML4.6, mb5.1(NEIC)
GCMT 14 04:58:47.5±0.2, 13.77N:101.92E, 37W, 0.02, h17km, MW5.088, Moment Tensor Solution. s61,c85; s88,c126; Duration: 0 Moment tensor: Scale 10^19N; Mr,3.52±.14; Mw,2.86±.10; Ms,0.66±.10; Me,2.03±.24; Mb,1.33±.07; Mv,1.87±.28; Best double couple: M4.53800x10^16 Nf1:35.250000; 665.00000; 98.00000; NP2: 6226.00000; 326.00000; 4.74.00000; Principal axes: T 4.6030, P169.0000, Azm50.0000, N -0.1310, P167.0000, Azm301.0000; P -4.4740, P169.0000; Azm209.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 14 04:58:48.0±3.1, 13.88N:91.72W, h33km, 20km, mb4.6/29, mb1 4.7/30, mb1mx4.6/45, mbtmp4.8/30, ML5.2/1, MS4.3/25, Ms1 4.3/25, ms1mx4.1/37, Error ellipse: s-maj=19.8km, s-min=10.9km az=51.0
NEIC 14 04:58:48.5±0.7, 13.82N:91.73W, h36km, 5km, mb5.1/299, MD4.9(MEX), Error ellipse: s-maj=5.7km, s-min=3.3km az=192.0

NEIC Feit at Guatemala and Quetzaltenango. Also felt at Tuxtla Gutierrez, Mexico.

MOS 14 04:58:50.9±0.1, 14.07N:91.67W, h64km, mb5.2/56, Error ellipse: s-maj=9.7km, s-min=4.5km, az=104.3

MEX 14 04:58:52.7±1.0, 14.15N:92.00W, h48km, 40km, MD4.9, ISCJB 14 04:58:53.0±0.4, 14.08N:102.91E, 65W, 0.02, h86km, 3km, mb5.0/307, Error ellipse: s-maj=8.1km, s-min=2.7km az=44.3

ISC 14 04:58:49.9±0.8, 13.99N:105.92W, 0.05, h48km, 6km, n994, r163/1036, mb5.1/312, MS4.3/29, 14C-32, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

TGIG		2.98 339	eP	Pn	04 59 35.1	+0.4
TGIG			eS	Sn	05 00 06.9	-2.4
TGIG		2.98 339	eP	Pn	04 59 35.1	+0.4
TGIG			eS	Sn	05 00 06.9	-2.4
SNVI	San Vicente	3.09 96	eP	Pn	04 59 36.3	0.0
VSM	San Miguel	3.68 93	eP	Pn	04 59 36.3	0.0
CMIG	Mattias Romero	4.16 318	Pn	Pn	04 59 50.0	-0.9
CMIG	comp=Z,8.3nm,0.3s,baz=155,slow=16,SNR=82		Sn	Sn	05 00 39.8	+1.7
CSGN	Cosiguina Voic	4.43 103	eP	Pn	04 59 54.2	-0.5
ESTN	Estel	5.55 98	eP	Pn	05 00 09.0	-1.0
ESTN			eS	Sn	05 01 14.2	+1.7
ESTN	comp=N,301nm,0.9s		IAML		05 01 32.0	
COPN	Copaites	5.57 108	eP	Pn	05 00 08.6	-1.6
MATN	Matagalpa	6.00 99	eP	Pn	05 00 14.8	-1.5
LVIG	Laguna Verde	7.10 324	ePn	Pn	05 00 28.8	-2.4
TEIG	Tepich	7.16 29	ePn	Pn	05 00 33.6	+1.7
TEIG	Tepich	7.16 29	ePn	Pn	05 00 34.6	+2.6
TLIG	Tiapa	7.25 300	ePn	Pn	05 00 33.9	+0.5
MYIG	Morinda	7.26 17	ePn	Pn	05 00 35.3	+1.9
JTS	JuntasAbangare	7.81 117	Pn	Pn	05 00 40.4	-0.6
JTS	comp=N,3.8nm,0.3s,baz=354,slow=16,SNR=26		Sn	Sn	05 02 01.3	-6.8
JTS	baz=18,slow=20,SNR=2.0		Lg	Lg	05 02 34.4	
JTS	comp=N,2.6nm,0.3s,baz=128,slow=22,SNR=4.3		Pn	Pn	05 00 40.6	-0.4
JTS	JuntasAbangare	7.81 117	ceP	Pn	05 01 20.7	+3.2
MOIG	Morelia	10.46 304	ePn	Pn	05 01 20.6	+3.0
JRCG	Juriquilla Cam	12.93 328	ePn	Pn	05 01 52.3	+1.3
LNIG	Linare	13.29 313	ePn	Pn	05 01 58.9	+2.6
ZAIG	Zacatecas	15.84 335	ePn	Pn	05 02 30.9	+1.2
833A	Chaparral WMA	15.84 335	ePn	Pn	05 02 30.4	+0.8
833A	Chaparral WMA	15.84 335	ePn	Pn	05 02 31.0	-2.2
058A	Arcadia	16.38 32	P	Pn	05 02 35.0	-1.5
957A	Wimauma	16.38 32	P	Pn	05 02 37.5	-1.3
958A	Wauchula	16.38 32	P	Pn	05 02 38.0	-4.2
MOTA	Monterrey, Cord	16.82 106	eP	Pn	05 02 41.8	-0.9
757A	Zephyrhills	16.87 31	P	Pn	05 02 43.8	-0.6
DBBC	Dabeiba	16.99 112	eP	Pn	05 02 44.8	-1.3
DWPF	Disney Wildern	17.15 33	eP	Pn	05 02 46.8	-0.8
449A	Pace	17.27 14	P	Pn	05 02 46.1	-1.6
858A	St. Cloud	17.27 33	P	Pn	05 02 47.6	-0.2
448A	Bay Minette	17.29 12	P	Pn	05 02 49.9	+0.6
345A	Thompson Farm	17.43 4	ePn	Pn	05 02 48.2	-1.1
859A	Kempfer Castle	17.43 4	ePn	Pn	05 02 52.5	+2.2
344A	Westbrook Farm	17.43 4	ePn	Pn	05 02 51.5	+1.3
344A	Westbrook Farm	17.43 4	P	Pn	05 02 49.9	+0.2
655A	Horseshoe Beac	17.48 7	ePn	Pn	05 02 53.7	+2.9
346A	Big Creek Wild	17.48 7	ePn	Pn	05 02 51.4	+0.6
346A	Big Creek Wild	17.48 7	P	Pn	05 02 53.8	+2.8
435B	Jarrell	17.49 344	ePn	Pn	05 06 03.7	-0.6
435B	Jarrell	17.49 344	eSn	Sn	05 02 53.2	+2.1
435B	Jarrell	17.49 344	P	Pn	05 02 50.5	-0.1
757A	Oxford	17.50 30	P	Pn	05 02 52.9	+1.0
553A	Crawfordville	17.52 10	P	Pn	05 02 54.4	+1.8
347A	Saraland	17.62 10	P	Pn	05 02 52.8	+0.2
656A	Williston	17.64 28	ePn	Pn	05 02 55.5	+2.2
656A	Williston	17.64 28	P	Pn	05 02 55.1	+1.3
BRAL	Brewton	17.72 14	P	Pn	05 02 53.5	-0.3
348A	Jackson	17.77 24	P	Pn	05 02 56.4	+1.5
554A	Perry	17.84 14	P	Pn	05 02 58.0	+2.9
349A	Repton	17.86 353	ePn	Pn	05 02 56.1	+1.1
NATX	Nacogdoches	17.86 353	ePn	Pn	05 02 56.4	+0.7
NATX	Nacogdoches	17.86 353	P	Pn	05 02 59.1	+3.3
452A	Marianna	17.92 19	P	Pn	05 06 13.2	-1.5
JCT	Junction City	17.92 338	ePn	Pn	05 05 13.2	+3.3
JCT	Junction City	17.92 338	eSn	Sn	05 02 57.4	+1.6
JCT	Junction City	17.92 338	e	Pmax	05 02 54.4	-1.5
JCT	Junction City	17.92 338	e	Pmax	05 02 58.0	+1.3
JCT	Junction City	17.92 338	P	Pn	05 02 56.4	-1.5
JCT	Junction City	17.92 338	P	Pn	05 02 59.1	+1.7
JCT	Junction City	17.92 338	P	Pn	05 03 00.7	+2.9
JCT	Junction City	17.92 338	P	Pn	05 02 58.3	+0.6
JCT	Junction City	17.92 338	P	Pn	05 02 58.8	+0.7
JCT	Junction City	17.92 338	P	Pn	05 02 57.7	-0.4
JCT	Junction City	17.92 338	P	Pn	05 03 00.8	+2.2
JCT	Junction City	17.92 338	P	Pn	05 03 01.0	+2.1
JCT	Junction City	17.92 338	P	Pn	05 03 00.9	+1.9
JCT	Junction City	17.92 338	P	Pn	05 02 59.9	+0.9
JCT	Junction City	17.92 338	P	Pn	05 03 03.3	+4.1
JCT	Junction City	17.92 338	P	Pn	05 03 00.0	+0.8
JCT	Junction City	17.92 338	P	Pn	05 03 00.7	+1.2
JCT	Junction City	17.92 338	P	Pn	05 03 01.0	+1.3
JCT	Junction City	17.92 338	P	Pn	05 03 00.5	0.0
JCT	Junction City	17.92 338	P	Pn	05 02 59.8	-1.1
JCT	Junction City	17.92 338	P	Pn	05 03 03.7	+1.7
JCT	Junction City	17.92 338	P	Pn	05 03 04.0	+1.9
JCT	Junction City	17.92 338	P	Pn	05 03 04.0	+0.6
JCT	Junction City	17.92 338	P	Pn	05 03 05.3	+1.6
JCT	Junction City	17.92 338	P	Pn	05 03 04.4	+0.7
JCT	Junction City	17.92 338	P	Pn	05 03 05.4	+1.4
JCT	Junction City	17.92 338	eSn	Sn	05 06 29.5	-1.7
JCT	Junction City	17.92 338	P	Pn	05 03 04.5	+0.5
JCT	Junction City	17.92 338	P	Pn	05 03 03.7	+0.2
JCT	Junction City	17.92 338	P	Pn	05 03 07.5	+2.9
JCT	Junction City	17.92 338	P	Pn	05 03 05.5	+0.8
JCT	Junction City	17.92 338	P	Pn	05 03 05.1	0.0
JCT	Junction City	17.92 338	P	Pn	05 03 06.7	+1.4
JCT	Junction City	17.92 338	P	Pn	05 03 07.5	+2.1
JCT	Junction City	17.92 338	P	Pn	05 03 07.5	+2.1

TXAR	comp=Z,334nm,18.1s,baz=0.0,slow=40		LR	LR	05 11 22.7	
RREF	El Recreo	18.73 117	eP	Pn	05 03 06.5	+0.3
H0EE1	SUOCORTO T-PHASE	8.77 287	T	T	05 22 18.9	
PTBE	POQUERO BERRIO	18.77 111	eP	Pn	05 03 02.5	-2.8
147A	Livingston	18.91 10	eP	Pn	05 03 10.6	+3.0
147A	Livingston	18.91 10	P	Pn	05 03 08.2	+0.6
215A	Midway	19.01 17	P	Pn	05 03 08.9	+0.1
147A	Livingston	18.91 10	P	Pn	05 03 09.7	+0.8
TIGA	Tifton	19.01 23	eP	Pn	05 03 09.1	+0.2
TIGA	Tifton	19.01 23	P	Pn	05 03 09.5	+0.7
148A	Greensboro	19.01 23	P	Pn	05 03 09.2	+0.3
456A	Hilliard	19.03 27	P	Pn	05 03 10.0	-0.1
252A	Lumpkin	19.12 19	P	Pn	05 03 09.8	-0.4
149A	Jones	19.13 14	P	Pn	05 03 09.7	-0.1
OTAV	Otavalo	19.14 134	eP	P	05 03 09.6	-0.1
OTAV	Otavalo	19.14 134	P	Pmax	05 03 09.0	-0.2
OTAV	Otavalo	19.14 134	P	Pmax	05 03 11.0	+0.1
457A	Yulee	19.15 28	P	Pn	05 03 11.4	+0.3
OCAC	Ocala	19.19 105	eP	Pn	05 03 10.8	-0.3
Z41A	Richland Creek	19.20 358	eP	Pn	05 03 10.4	+0.6
Z41A	Richland Creek	19.20 358	P	Pn	05 03 10.5	+0.6
Z42A	Norrel Spur, H	19.20 0	P	Pn	05 03 16.6	+4.4
355A	Pearson	19.21 24	P	Pn	05 03 12.4	-0.1
SOTA	Rioblanco	19.24 126	eP	Pn	05 03 18.1	+5.0
GOUP	Volcan Galeras	19.28 300	eP	Pn	05 03 12.4	-0.7
PCON	Cinco Dias	19.28 126	eP	Pn	05 03 13.8	+0.6
150A	Eclectic	19.32 15	P	Pn	05 03 12.6	-0.7
CRUC	La Cruz	19.33 128	eP	Pn	05 03 12.6	-0.7
MIAR	Maricao	19.33 123	eP	Pn	05 03 17.2	+0.2
253A	Americus	19.38 21	eP	Pn	05 03 16.7	-0.3
253A	Americus	19.38 21	P	Pn	05 03 17.3	0.0
Z45A	Winona	19.41 6	eP	Pn	05 03 17.2	+0.2
Z45A	Winona	19.41 6	P	Pn	05 03 17.2	-0.4
151A	Opelika	19.44 17	P	Pn	05 03 17.3	-0.4
Z47A	Carrollton	19.46 10	P	Pn	05 03 16.7	+0.8
356A	Blackshear	19.50 26	P	Pn	05 03 18.2	+0.1
LRAL	Lakeview Retre	19.50 13	eP	Pn	05 03 19.9	-0.2
LRAL	Lakeview Retre	19.50 13	P	Pn	05 03 18.2	+0.1
LRAL	Lakeview Retre	19.50 13	P	Pn	05 03 19.9	-0.2
254A	Abbeville	19.58 23	P	Pn	05 03 18.2	+0.1
WLAR	White Oak Lake	19.64 357	eP	Pn	05 03 19.9	-0.2
ROSC	El Rosal	19.65 116	eP	Pn	05 03 17.2	+0.2
ROSC	El Rosal	19.65 116	P	Pn	05 03 17.2	-0.3
CTAB	Cerro Tablazo	19.67 115	eP	Pn	05 03 17.3	0.0
Z48A	Northport	19.72 11	P	Pn	05 03 17.2	+0.2
PRAC	Prado	19.73 120	eP	Pn	05 03 17.2	-0.4
152A	Waverly Hall	19.75 18	eP	Pn	05 03 17.3	-0.1
152A	Waverly Hall	19.75 18	P	Pn	05 03 17.2	-0.4
Z49A	Columbiana	19.76 14	P	Pn	05 03 17.3	-0.4
Y42A	Garnett, Star	19.77 1	P	Pn	05 03 17.2	+0.7
Y41A	Eagleette Beard	19.82 359	P	Pn	05 03 18.1	-0.4
ABTX	Abilene, Hawle	19.82 341	eP	Pn	05 03 18.1	-0.4
ABTX	Abilene, Hawle	19.82 341	P	Pn	05 03 18.5	-0.2
CCAR	Cane Creek	19.84 1	eP	Pn	05 03 17.5	+0.5
Y43A	Alakayia and Ka	19.86 3	P	Pn	05 03 18.6	-0.4
255A	Hazlehurst	19.88 24	eP	Pn	05 03 18.6	-0.4
255A	Hazlehurst	19.88 24	P	Pn	05 03 18.6	-0.4
BARC	Barichara	19.91 110	eP	Pn	05 03 18.9	-0.8
Y45A	Yeager Farm, C	19.92 6	P	Pn	05 03 19.1	-0.9
Y44A	Strier, Charl	19.95 4	P	Pn	05 03 19.9	-0.2
Z50A	Ashland	19.96 15	eP	Pn	05 03 18.2	+0.1
Z50A	Ashland	19.96 15	P	Pn	05 11 17.6	
LPIG	La Paz	20.00 303	LR	LR	05 03 19.9	-0.8
Y46A	Houston	20.01 8	P	Pn	05 03 21.2	-0.2
CVER	Cruz Verde, Cu	20.02 116	eP	Pn	05 03 19.6	+0.9
153A	Fort Valley	20.02 20	P	Pn	05 03 18.6	-0.3
PAMC	Pampiona, Colo	20.07 107	eP	Pn	05 03 18.6	-1.3
256A	Glenville	20.16 26	P	Pn	05 03 21.7	-1.0
Y47A	UCPARC, Winfie	20.18 10	P	Pn	05 03 22.4	-1.0
154A	Montrose	20.24 22	eP	Pn	05 03 21.4	+0.3
154A	Montrose	20.24 22	P	Pn	05 03 23.0	+1.0
CHIC	Chingaza	20.27 116	eP	Pn	05 03 23.6	+0.7
RUSC	La Rusia	20.28 111	eP	Pn	05 03 22.1	-0.2
Y48A	Chingaza	20.32 12	P	Pn	05 03 22.8	+0.7
FLOC	Flores	20.33 126	eP	Pn	05 03 22.8	+0.7
Z52A	Williamson	20.33 19	P	Pn	05 03 23.2	-0.4
Y49A	Blount Mountai	20.43 13	eP	Pn	05 03 23.4	+0.3
Y49A	Blount Mountai	20.43 13	P	Pn	05 03 23.4	+0.3
X41A	Kaden, Bauxite	20.43 359	P	Pn	05 03 24.8	-0.8
X40A	Basin Creek Fa	20.43 358	eP	Pn	05 03 26.1	+0.6
X43A	Marvell	20.47 3	eP	Pn	05 03 24.1	+0.5
X43A	Marvell	20.47 3	P	Pn	05 03 23.4	-0.3

U46A	Springville baz=197,SNR=7.2 baz=189,SNR=30	22.54	8	P	P	05	03	44.8	-1.0
AMTX	Amarillo comp=Z,75nm,0.6s	22.57	339	eP	P	05	03	47.0	+0.7
AMTX	Amarillo baz=154	22.57	339	P	P	05	03	46.9	+0.6
PARMO	Parma comp=Z,192nm,0.8s	22.67	5	eP	P	05	03	48.0	+0.8
PAULI	Pauline comp=Z,48nm,0.9s	22.70	22	eP	P	05	03	48.1	+0.6
PBMO	Poplar Bluff comp=Z,52nm,0.8s	22.74	3	eP	P	05	03	47.6	-0.4
U47A	Clarksville baz=191,SNR=20	22.76	10	P	P	05	03	47.0	-1.1
V51A	Loudon comp=Z,73nm,0.8s	22.79	16	eP	P	05	03	49.3	+0.9
V51A	Loudon baz=189,SNR=9.8	22.79	16	P	P	05	03	47.7	-0.7
TKL	Tuckaleechee C comp=Z,26nm,0.7s,baz=185,slow=11,SNR=30	22.82	17	P	P	05	03	48.8	0.0
TKL	TKL comp=Z,1um,19.1s,baz=203,slow=40	22.82	17	eP	LR	05	14	07.0	
TKL	Tuckaleechee C comp=Z,45nm,0.8s	22.82	17	eP	P	05	03	49.6	+0.8
TKL	Tuckaleechee C TKL	22.82	17	eP	P	05	03	49.6	+0.8
U48A	Cassie Pea, Po baz=193,SNR=22	22.96	11	P	P	05	03	49.1	-1.1
T41A	Mountain View baz=180,SNR=20	22.96	0	P	P	05	03	49.9	-0.4
T42A	Van Buren comp=Z,35nm,1.0s	22.96	2	eP	P	05	03	49.5	-0.7
T42A	Van Buren baz=182,SNR=14	22.96	2	P	P	05	03	49.1	-1.1
V52A	Sevierville comp=Z,41nm,1.0s	23.04	18	eP	P	05	03	51.2	+0.2
V52A	Sevierville baz=200,SNR=7.7	23.04	18	P	P	05	03	49.4	-1.6
T43A	Greenville baz=184,SNR=19	23.05	3	P	P	05	03	49.9	-1.3
T44A	Benton baz=185,SNR=14	23.11	5	P	P	05	03	50.4	-1.3
U49A	Red Boiling Sp baz=195,SNR=22	23.12	13	P	P	05	03	51.2	-0.6
V53A	Saluda comp=Z,39nm,0.8s	23.12	19	eP	P	05	03	52.6	+0.7
V53A	Saluda baz=202,SNR=11	23.12	19	P	P	05	03	50.0	-1.9
T45A	Paducah baz=188	23.14	7	P	P	05	03	51.2	-0.7
KM5C	Kings Mountain comp=Z,60nm,0.8s	23.16	23	eP	P	05	03	51.4	-0.8
KM5C	Kings Mountain baz=206,SNR=12	23.16	23	P	P	05	03	50.7	-1.5
U32A	Winter Ranch, comp=Z,49nm,1.0s	23.17	346	eP	P	05	03	52.0	-0.3
U50A	Jamestown baz=197,SNR=21	23.24	15	P	P	05	03	52.0	-1.0
T46A	Princeton baz=189,SNR=21	23.25	8	P	P	05	03	52.3	-0.8
T47A	Sharon Grove comp=Z,197nm,1.4s	23.32	10	eP	P	05	03	53.4	-0.4
T47A	Sharon Grove baz=191,SNR=30	23.32	10	P	P	05	03	53.0	-0.8
U51A	La Follette baz=199,SNR=23	23.42	16	P	P	05	03	54.1	-0.7
121A	Cookes Peak, D baz=138,SNR=29	23.42	325	P	P	05	03	54.6	-0.4
319A	Douglas comp=Z,106nm,1.2s	23.48	320	eP	P	05	03	58.5	+3.1
S43A	Fulton Ridge baz=184,SNR=19	23.55	4	P	P	05	03	54.7	-1.3
T48A	Bowling Green baz=193,SNR=8.0	23.57	11	P	P	05	03	55.2	-0.9
U52A	Thorn Hill baz=201	23.62	18	P	P	05	03	56.2	-0.4
TZTN	Tazewell comp=Z,42nm,0.8s	23.70	17	eP	P	05	03	57.9	+0.4
TZTN	Tazewell baz=200,SNR=11	23.70	17	P	P	05	03	56.4	-1.0
S42A	Caledonia baz=182,SNR=16	23.71	2	P	P	05	03	56.3	-1.1
T49A	Edmonton comp=Z,44nm,0.9s	23.74	13	eP	P	05	03	57.6	-0.1
T49A	Edmonton baz=195,SNR=12	23.74	13	P	P	05	03	57.0	-0.7
S44A	Carbondale baz=186,SNR=9.0	23.74	5	P	P	05	03	57.0	-0.7
SIUC	Southern Illin comp=Z,201nm,0.9s	23.76	5	eP	P	05	03	57.9	0.0
S45A	Carrier Mills baz=187	23.79	7	P	P	05	03	57.1	-1.1
T50A	Nancy baz=197,SNR=30	23.82	14	P	P	05	03	57.5	-0.9
U53A	Fall Branch baz=202	23.83	19	P	P	05	03	57.5	-1.1
S46A	Don Dixon Farm baz=190	23.91	8	P	P	05	03	58.5	-0.8
FVM	French Village comp=Z,13nm,0.7s	23.94	3	eP	P	05	03	58.8	-0.8
FVM	French Village FVM	23.94	3	eP	P	05	03	58.8	-0.8
S47A	Hartford baz=192,SNR=6.2	23.95	10	P	P	05	03	58.6	-1.0
CCM	Cathedral Cave comp=Z,84nm,1.3s	23.98	1	eP	P	05	03	58.9	-1.0
CCM	Cathedral Cave CCM	23.98	1	eP	P	05	03	58.9	-1.0
CCM	Cathedral Cave baz=181	23.98	1	P	P	05	03	58.8	-1.1
T51A	Gray baz=199,SNR=7.7	23.99	16	P	P	05	03	58.6	-1.5
BNM	Barren Site baz=206,SNR=12	24.06	329	eP	P	05	04	03.7	+2.7
S48A	Wedeman Farm, baz=194,SNR=11	24.12	16	P	P	05	04	00.9	-0.7
LPM	Los Pinos Moun USIN	24.19	8	eP	P	05	04	04.7	+2.6
R41A	Rosebud baz=181,SNR=18	24.22	1	P	P	05	04	00.9	-1.3
R42A	Luebering baz=182,SNR=21	24.22	2	P	P	05	04	00.8	-1.3
LENM	Lemitar baz=184,SNR=30	24.24	329	eP	P	05	04	05.6	+3.0
R43A	Red Bud baz=184,SNR=30	24.26	4	P	P	05	04	01.9	-0.6
R44A	Waltonville baz=186	24.30	6	P	P	05	04	01.8	-1.1
T52A	Hallie baz=201,SNR=5.0	24.39	18	P	P	05	04	02.5	-1.3
R45A	Skyilar, Fairri Springfield baz=188,SNR=15	24.43	7	P	P	05	04	03.4	-0.6
S49A	Springfield baz=185,SNR=17	24.44	13	P	P	05	04	02.9	-1.3
R46A	Gibson Southern baz=190,SNR=9.9	24.46	9	P	P	05	04	03.7	-0.5
LAZ	Ladron comp=Z,25nm,0.6s,baz=146,slow=12,SNR=73	24.61	331	P	P	05	04	08.3	+2.3
SLM	Saint Louis comp=Z,56nm,0.7s	24.61	331	eP	P	05	04	08.2	+2.4
ANMO	Albuquerque comp=Z,23nm,0.6s	24.61	331	P	P	05	04	07.5	+1.5
ANMO	Albuquerque ANMO	24.61	331	P	P	05	04	07.5	+1.5
ANMO	Albuquerque ANMO	24.61	331	P	P	05	04	07.6	+1.5
WCI	Wyandotte Cave comp=Z,84nm,0.6s	24.67	11	eP	P	05	04	06.1	-0.1
WCI	Wyandotte Cave WCI	24.67	11	eP	P	05	04	06.1	-0.1
WCI	Wyandotte Cave WCI	24.67	11	eP	P	05	04	06.1	-0.1
CNNO	Cliffs of the baz=214	24.69	29	P	P	05	04	05.5	-0.9
R47A	Wooly Knot Far baz=192,SNR=23	24.70	10	P	P	05	04	05.8	-0.6
S51A	Beattyville comp=Z,55nm,0.9s	24.72	16	eP	P	05	04	06.8	+0.1
S51A	Beattyville baz=199,SNR=11	24.72	16	P	P	05	04	05.8	-0.9
Q42A	Golden Eagle baz=183,SNR=12	24.86	3	P	P	05	04	07.0	-1.0
Q41A	Truxton baz=181,SNR=16	24.88	1	P	P	05	04	06.9	-1.2
OLIL	Olney comp=Z,98nm,0.6s	24.89	7	eP	P	05	04	07.9	-0.3
S52A	Salisbury baz=200	24.90	17	P	P	05	04	08.3	0.0
R48A	Northridge Ran baz=194,SNR=17	24.92	11	P	P	05	04	07.0	-1.5
Q43A	New Douglas baz=192,SNR=12	24.94	4	P	P	05	04	07.6	-1.1
R49A	Shelbyville baz=195,SNR=10	24.96	13	P	P	05	04	07.9	-1.9
Q44A	Meyer Farm, Va baz=186,SNR=13	24.96	6	P	P	05	04	08.0	-0.8
Q45A	Warren Harvey, baz=188,SNR=16	25.04	7	P	P	05	04	08.6	-1.0
TUC	Tucson comp=Z,16nm,0.9s	25.05	320	eP	P	05	04	12.5	+2.7
TUC	Tucson TUC	25.05	320	eP	P	05	04	12.5	+2.7
TUC	Tucson comp=Z,16nm,0.9s	25.05	320	P	P	05	04	11.1	+1.3
TUC	Tucson baz=132	25.05	320	P	P	05	04	11.1	+1.3
R50A	Paris baz=197,SNR=14	25.14	14	P	P	05	04	09.3	-1.2
SJG	San Juan comp=Z,91nm,20.3s,baz=275,slow=39	25.17	77	LR	LR	05	14	56.8	
BLA	Blacksburg comp=Z,36nm,0.8s	25.33	22	eP	P	05	04	13.9	+1.7
BLA	Blacksburg BLA	25.33	22	eP	P	05	04	14.0	+1.7
BLA	Blacksburg comp=Z,36nm,0.8s	25.33	22	P	P	05	04	14.0	+1.7
BLA	Blacksburg baz=206	25.33	22	P	P	05	04	11.4	-1.0
Q47A	Bedord North L baz=192,SNR=11	25.34	10	P	P	05	04	11.7	-0.6
R51A	Hillsboro baz=199,SNR=8.2	25.34	16	P	P	05	04	11.9	-0.4
KSU1	Kansas State U comp=Z,44nm,0.7s	25.35	352	eP	P	05	04	11.9	-0.5
Q48A	North Vernon baz=194,SNR=11	25.46	11	P	P	05	04	12.1	-1.2
P42A	Winchester comp=Z,34nm,0.9s	25.54	3	eP	P	05	04	13.9	-0.2
P42A	Winchester baz=201	25.54	3	P	P	05	04	12.6	-1.6
BLO	Bloomington comp=Z,41nm,0.6s	25.55	10	eP	P	05	04	14.0	-0.2
BLO	Bloomington BLO	25.55	10	eP	P	05	04	14.0	-0.2
P44A	Sand Creek, WI baz=187,SNR=10	25.56	6	P	P	05	04	12.7	-1.5
T25A	Trinidad comp=Z,36nm,0.6s	25.58	337	eP	P	05	04	17.6	+2.8
T25A	Trinidad baz=151,SNR=34	25.58	337	P	P	05	04	16.7	+1.9
R52A	Cattlettsburg baz=201	25.63	17	P	P	05	04	14.0	-1.0
P43A	Skaggs, Pawnee baz=185,SNR=6.6	25.65	4	P	P	05	04	14.4	-0.7
CBK5	Cedar Bluff comp=Z,41nm,1.0s	25.66	346	eP	P	05	04	15.7	+0.4
CBK5	Cedar Bluff CBK5	25.66	346	eP	P	05	04	15.7	+0.4
CBK5	Cedar Bluff baz=162,SNR=11	25.66	346	P	P	05	04	15.3	+0.1
Q49A	Aurora baz=195	25.70	13	P	P	05	04	14.8	-0.7
P45A	Graceland, Par comp=Z,52nm,0.7s	25.72	8	eP	P	05	04	15.5	-0.2
P45A	Graceland, Par baz=189,SNR=15	25.72	8	P	P	05	04	15.0	-0.7
Q50A	Georgetown baz=198,SNR=5.8	25.76	15	P	P	05	04		

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like MVL Millersville, N23A Red Feather La, M54A Oil Creek Stat, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like DUG comp=Z,15nm,1.1s, DUG Dugway, Tooele, F38A Pledge - Schro, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like H17A Grant Village, H17A Grant Village, RLMT Pledge, etc.

LPZA	comp=Z,2.5nm,0.7s,baz=346,slow=8.5,SNR=11	LR	LR	05 22 44.1
LPZA	comp=Z,2.71nm,19.3s,baz=326,slow=38	eP	P	05 06 04.6 -1.5
LPZA	comp=Z,2.0nm,1.8s	eP	P	05 06 04.6 -1.5
LPZA	comp=Z,3.0nm,0.7s	pmax	pmax	
M02C	Callahan	38.26 321	P	05 06 06.1 +0.5
PQI	Presque Isle	38.29 27	P	05 06 05.2 -0.4
F10A	Beach Ranch, E	38.32 331	eP	05 06 07.1 +1.0
K04D	Chiloquin, OR	38.37 324	P	05 06 08.0 +1.4
JTMT	Jette	38.42 336	eP	05 06 08.9 +1.9
JTMT	comp=Z,2.2nm,0.9s	eP	P	05 08 21.4 +1.8
L04D	Klamath Falls	38.43 323	P	05 06 08.9 +1.8
J05D	Fort Rock, OR	38.50 325	P	05 06 09.5 +1.9
KHMD	Horse Mountain	38.50 320	eP	05 06 10.6 +2.9
G08A	Pilot Rock	38.66 329	eP	05 06 10.5 +1.5
G08A	comp=Z,6.3nm,0.8s	eP	P	05 08 22.0 +1.7
J04D	Umpqua Natona	38.96 324	P	05 06 12.4 +0.8
E09A	Wood Farm, Sta	39.15 331	eP	05 06 14.6 +1.7
LMN	Caledonia Moun	39.17 30	P	05 06 12.6 -0.6
I05D	Terrebonne, OR	39.24 326	P	05 06 15.5 +1.7
I04A	Tendick Farm,	39.48 325	P	05 06 16.7 +1.0
I08A	Dider Farm, El	39.57 330	eP	05 06 17.4 +1.0
F07A	Phinny Hill Vi	39.57 329	eP	05 06 18.6 +2.2
BATG	Bathurst New B	39.62 28	eP	05 06 16.5 -0.3
HAWA	Hanford	39.73 330	eP	05 06 19.1 +1.4
G05D	Wamic, OR	39.83 327	P	05 06 20.4 +1.7
I03D	Drain, OR	39.95 324	P	05 06 20.9 +1.4
J01E	Myrtle Point	39.96 323	P	05 06 20.7 +1.0
E07A	Sunnyside	40.00 330	eP	05 06 21.6 +1.6
NEW	Newport	40.01 334	eP	05 06 21.2 +1.2
NEW	Newport	40.01 334	eP	05 06 21.3 +1.2
NEW	comp=Z,1.1nm,0.8s	pmax	pmax	
NEW	Newport	40.01 334	P	05 06 21.0 +0.9
H04D	Lebanon	40.12 325	P	05 06 22.2 +1.2
C09A	Christman Ranch	40.16 332	eP	05 06 22.7 +1.4
F05D	White Salmon	40.34 328	P	05 06 24.8 +2.0
I02D	Swishome	40.48 324	P	05 06 26.1 +2.1
G03D	McMinville, O	40.85 326	P	05 06 29.1 +2.1
B08A	Colville Reser	41.05 332	eP	05 06 30.4 +1.7
LON	Longmire	41.10 329	eP	05 06 31.1 +1.9
LON	Longmire	41.10 329	eP	05 06 31.1 +1.9
E04D	Cinebar	41.36 328	P	05 06 32.9 +1.8
FFC	Flin Flon	41.39 351	eP	05 06 32.1 +0.8
FFC	Flin Flon	41.39 351	eP	05 06 32.1 +0.8
C06D	Leavenworth	41.47 331	P	05 06 33.7 +1.7
D05A	Enunclaw	41.49 329	eP	05 06 34.6 +2.3
E03A	Lebam	41.87 327	eP	05 06 38.4 +3.1
D04E	Lakebay	41.88 328	P	05 06 37.1 +1.7
B06A	Marblemont	42.17 331	eP	05 06 39.5 +1.8
D03D	Eldon	42.28 329	P	05 06 40.1 +1.5
B05A	Bryant	42.28 330	P	05 06 39.8 +1.1
NLWA	Neilton Lookou	42.68 328	eP	05 06 43.5 +2.3
SIV	San Ignacio	42.68 133	P	05 06 40.5 -1.9
FCC	Fort Churchill	44.72 358	eP	05 06 58.3 +0.2
FCC	Fort Churchill	44.72 358	eP	05 08 40.1 +0.4
FCC	Fort Churchill	44.72 358	eP	05 06 58.3 +0.2
SCHQ	Schefferville	45.24 20	P	05 07 00.7 -1.7
SCHQ	comp=Z,5.2nm,0.9s,baz=214,slow=6.9,SNR=31	P	P	05 08 42.3 +0.6
SCHQ	comp=Z,1.5nm,0.6s,baz=234,slow=2.9,SNR=11	LR	LR	05 26 43.9
SCHQ	comp=Z,1.1nm,2.1s,baz=259,slow=37	eP	P	05 07 01.3 -1.0
SCHQ	comp=Z,5.2nm,0.9s	eP	P	05 08 42.3 +0.6
SCHQ	Yellownife Ar	51.04 347	P	05 07 47.3 +0.6
YKA	comp=Z,1.1nm,0.7s,baz=148,slow=7.6,SNR=195	P	P	05 09 03.1 +0.8
YKA	comp=Z,1.1nm,0.7s,baz=148,slow=7.6,SNR=195	P	P	05 09 03.1 +0.8
YKBS	Yellownife Ar	51.04 347	eP	05 07 47.0 +1.1
YKW3	Yellownife Ar	51.04 347	eP	05 07 47.8 +0.4
CPUP	Villa Florida	52.37 140	P	05 07 54.4 -3.0
CPUP	comp=Z,3.0nm,0.8s,baz=326,slow=9.3,SNR=8.1	LR	LR	05 31 35.7
CPUP	Villa Florida	52.37 140	eP	05 07 54.9 -2.5
CPUP	Villa Florida	52.37 140	eP	05 07 54.9 -2.5
CPUP	comp=Z,1.2nm,1.3s	pmax	pmax	
BDFB	Brasilia	52.51 123	P	05 07 56.8 -2.0
BDFB	comp=Z,4.0nm,0.8s,baz=313,slow=6.9,SNR=4.5	LR	LR	05 30 53.6
DLBC	Dease Lake	52.67 336	LR	05 04 08.5
DLBC	comp=Z,2.95nm,18.5s,baz=80,slow=40	eP	P	05 08 02.5 +3.2
DLBC	Dease Lake	52.67 336	eP	05 08 02.5 +3.2
TAOE	Nuku Hiva Isla	52.89 247	eLR	05 23 19.4
TAOE	comp=Z,3.69nm,23.1s	eLR	LR	06 04 37.2
RKT	Rikitea	55.94 229	eT	06 08 20.9
WHY	Whitehorse	55.99 336	eP	05 08 25.0 +1.6
HYT	Haines Junctio	57.13 335	eP	05 08 35.1 +3.5
PCRA	Paso Flores	57.96 161	LR	05 28 28.9
RCBR	Riachuelo	59.04 106	eP	05 08 45.7 +0.1
RCBR	Riachuelo	59.04 106	eP	05 08 45.7 +0.1
RCBR	comp=Z,4.0nm,0.9s	pmax	pmax	
SFJD	Kangerlussuaq	59.53 18	P	05 08 46.3 -1.6
SFJD	comp=Z,5.8nm,0.6s,baz=253,slow=7.2	LR	LR	05 35 24.3
SFJD	comp=Z,9.18nm,20.5s,baz=226,slow=37	LR	LR	05 08 45.7 -2.3
SFJD	Kangerlussuaq	59.53 18	eP	05 08 50.5 +1.2
DAWY	Dawson	59.59 333	eP	05 08 53.9 +2.8
RAGM	Ragged Mountai	59.95 331	P	05 08 53.2 +0.9
EPYK	Eagle Plains	60.15 341	P	05 08 53.2 +0.9
BMRM	Bremner River	60.18 333	eP	05 08 55.5 +2.8

INIK	comp=Z,2.9nm,0.9s	60.45 344	LR	LR	05 39 05.9
INIK	Inuvik	60.45 344	eP	P	05 08 55.3 +1.0
INIK	Inuvik	60.45 344	eP	P	05 08 55.3 +1.0
INIK	comp=Z,4.3nm,0.8s	60.45 344	eP	P	05 08 57.7 +3.0
EYAK	Corдова Ski Ar	60.72 359	LR	LR	05 38 41.4
RES	Resolute Bay	60.72 359	LR	LR	05 08 55.4 -0.6
RES	Resolute Bay	60.72 359	eP	P	05 08 55.4 -0.6
RES	RES	60.72 359	eP	P	05 08 55.4 -0.6
EGAK	Eagle	60.73 338	eP	P	05 08 57.5 +1.2
DIV	Divide	60.76 333	eP	P	05 08 59.1 +2.4
KLU	Klutina	60.99 334	eP	P	05 09 00.3 +2.1
HARP	HAARP	61.08 335	eP	P	05 09 01.1 +2.4
DOT	Dot Lake	61.23 336	eP	P	05 09 01.9 +2.1
SCRK	comp=Z,2.7nm,1.0s	61.37 337	eP	P	05 09 02.8 +2.1
PAX	Paxson	61.47 335	eP	P	05 09 02.8 +1.4
PAX	Paxson	61.47 335	eP	P	05 09 02.8 +1.4
RIDG	Independ'e Rid	61.58 336	eP	P	05 09 04.3 +2.1
SCM	Sheep Creek Mo	61.74 334	eP	P	05 09 05.3 +2.0
SCM	Sheep Creek Mo	61.74 334	eP	P	05 09 05.3 +2.0
SML	Sawmill	62.17 333	eP	P	05 09 07.8 +1.7
SML	Sawmill	62.17 333	eP	P	05 09 07.8 +1.7
PMR	Palmer	62.43 333	eP	P	05 09 09.2 +1.5
PMR	Palmer	62.43 333	eP	P	05 09 09.2 +1.5
BRLK	Bradley Lake	62.55 331	eP	P	05 09 10.6 +2.0
CNPM	China Poot	62.63 330	eP	P	05 09 11.5 +2.3
KDAX	Kodiak Island	62.73 328	P	P	05 09 11.0 +1.2
KDAX	comp=Z,1.4nm,0.6s,baz=95,slow=2.5,SNR=18	LR	LR	05 36 39.4	
IL1	Eielson Array	62.85 337	eP	P	05 09 10.9 +0.4
ILAR	Eielson Array	62.85 337	eP	P	05 09 11.5 +0.9
ILAR	comp=Z,3.0nm,1.1s,baz=116,slow=4.9,SNR=100	P	P	05 09 48.7 +0.2	
ILAR	comp=Z,2.2nm,0.7s,baz=136,slow=1.4,SNR=6.2	LR	LR	05 39 04.6	
ILB	Eielson Array	62.85 337	eP	P	05 09 11.9 +1.3
OHAK	Old Harbor	62.92 328	eP	P	05 09 13.1 +2.0
KIP	Kipapa	62.94 287	eP	P	05 09 11.3 -0.6
RND	Reindeer	63.04 335	eP	P	05 09 13.6 +1.6
RND	Reindeer	63.04 335	eP	P	05 09 13.6 +1.6
FYU	Fort Yukon	63.10 339	eP	P	05 09 13.9 +1.8
CCB	Clear Creek Bu	63.15 336	eP	P	05 09 13.1 +0.6
WRH	Wood River Hill	63.19 336	eP	P	05 09 13.7 +1.0
POKR	Poker Flat Res	63.22 337	P	P	05 09 14.0 +1.0
COLA	College	63.27 337	eP	P	05 09 13.9 +0.6
COLA	College	63.27 337	eP	P	05 09 13.9 +0.6
COLA	College	63.27 337	eP	P	05 09 13.9 +0.6
COLA	College	63.27 337	eP	P	05 09 13.9 +0.6
COLA	College	63.27 337	eP	P	05 09 13.9 +0.6
MDM	Murphy Dome	63.45 337	eP	P	05 09 15.7 +1.2
SPU	Mount Spurr	63.59 332	eP	P	05 09 17.2 +1.6
TRF	Thorefare Moun	63.65 335	eP	P	05 09 17.7 +1.6
R50	Redoubt South	63.67 331	eP	P	05 09 17.6 +1.3
R50	Purkeypile	64.25 334	eP	P	05 09 21.3 +1.3
PAST	comp=Z,1.9nm,0.9s	64.39 334	eP	P	05 09 21.3 +0.6
MLY	Manley	64.45 336	eP	P	05 09 22.3 +1.1
TVO	Taravoo	64.69 242	eT	T	06 19 21.8
PPT	Papeete	64.88 243	LR	LR	05 32 39.3
PPT2	Papeete2	64.89 243	eS	S	05 18 03.8 +0.6
PPT2	Papeete2	64.89 243	eS	S	05 28 44.6
COLD	Coldfoot	65.14 339	eP	P	05 09 27.7 +2.1
SVW2	Sparrevohn	65.18 331	eP	P	05 09 26.6 +0.7
CHGN	Chignik	65.42 326	eP	P	05 09 29.0 +1.5
IM3	Indian Mountai	65.97 337	eP	P	05 09 31.2 +0.2
SUMG	Summit	66.25 15	eP	P	05 09 32.0 -1.1
SUMG	Summit	66.25 15	eP	P	05 09 32.0 -1.1
SUMG	Summit	66.25 15	eP	P	05 09 32.0 -1.1
SUMG	Summit	66.25 15	eP	P	05 09 32.0 -1.1
TBI	Tubuai	67.34 237	eS	S	05 18 35.3 +2.7
TBI	Tubuai	67.34 237	eLR	LR	05 29 50.4
FALS	False Pass	67.99 324	eP	P	05 09 47.2 +3.3
BORG	Borghes	69.22 26	eP	P	05 09 51.1 -0.3
RDOG	Red Dog Mine	70.01 338	eP	P	05 09 58.5 +2.3
SCO	Scorebysund	70.28 20	eP	P	05 09 56.7 -1.1
SCO	Scorebysund	70.28 20	eP	P	05 09 56.7 -1.1
SCO	Scorebysund	70.28 20	eP	P	05 09 56.7 -1.1
SCO	Scorebysund	70.28 20	eP	P	05 09 56.7 -1.1
ANM	Nome	70.33 334	eP	P	05 10 00.1 +1.8
ANM	Nome	70.33 334	eP	P	05 10 00.1 +1.8
ANM	Nome	70.33 334	eP	P	05 10 00.1 +1.8
DAG	Danmarks Havn	72.68 131	eP	P	05 10 11.0 -1.2
GAMB	Gambell	73.01 333	eP	P	05 10 16.5 +2.1
RRR	Rubha Reidh	76.27 33	eP	P	05 10 31.2 -2.1
KPL	Plockton	76.39 34	eP	P	05 10 32.3 -1.7
KPL	Plockton	76.39 34	eP	P	05 10 33.0
RSC	Scourie	76.57 33	eP	P	05 10 33.6 -1.4
KAC	Achnashellach	76.57 34	eP	P	05 10 33.4 -1.7
BIGH	Upper Bighouse	77.21 33	eP	P	05 10 37.5 -1.2
EAB	Aberfoyle	77.22 35	e		

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MAJO Matsushiro, MAT Matsu-Tunnel, NJ2 Nanjing, QSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PLCA Paso Flores, TROA Torquist, GVO2 Lima Guanaco, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KRBR Kerman, SHME Shamm, SHME Shamm, etc.

Table with columns: IEMG, IAMB, Iamb, and various station codes (GEYT, GYA0B, etc.) with associated numerical data and codes.

IDC 14 10:18:06.6, 0.6, 5.54S, 153.71E, h0km, mb4.3/20, mb1.4/21, mb1mx4.4/37, mbmp4.3/21, ML2.5/1, MS3.7/5, Ms1.3/7.5, ms1mx3.3/43, Error ellipse: s-maj=20.0km s-min=13.6km az=90.0

ISCJJB 14 10:18:11.4, 0.2, 5.55S, 0.04, 153.49E, 0.04, h43km, mb4.6/56, MS3.7/2, Error ellipse: s-maj=6.5km s-min=5.1km az=11.6

NEIC 14 10:18:12.0, 2.0, 5.54S, 153.51E, h35km, mb4.8/41, Error ellipse: s-maj=5.5km s-min=3.9km az=98.0

ISC 14 10:18:13.5, 0.4, 5.55S, 0.05, 153.44E, 0.05, h43km, n94, r152/96, mb4.6/56, New Ireland region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, and various station codes (RABL, MANU, etc.) with associated numerical data and codes.

Table with columns: Station Name, Delta A, Delta Z, Phase ID, Time, Res, and various station codes (JNU, MJAR, MAJO, etc.) with associated numerical data and codes.

ISCJJB 14 10:19:20.9, 0.6, 40.69N, 0.04, 141.34E, 0.04, h0km, Error ellipse: s-maj=6.0km s-min=3.5km az=141.4

ISC 14 10:19:20.6, 40.74N, 141.36E, h27km, ML2.1/3 DDA 14 10:19:21.2, 40.71N, 141.29E, h7km, ML2.5, Suspected Mining explosion.

ISC 14 10:19:20.2, 1.0, 40.72N, 0.04, 141.32E, 0.03, h0km, n10, r057/176, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, and various station codes (CHOM, DAGI, etc.) with associated numerical data and codes.

NNC 14 10:22:37.6, 2.9, 38.42N, 71.15E, h0km, mb3.8, mpv3.4, 7C-7D, Error ellipse: s-maj=21.6km s-min=14.8km az=18.0, Afghanistan-Tajikistan border region

Table with columns: Station Name, Delta A, Delta Z, Phase ID, Time, Res, and codes (TKM2, IJLg, etc.) with associated numerical data and codes.

ISCJJB 14 10:28:16.2, 0.6, 37.16N, 0.04, 27.97E, 0.05, h0km, Error ellipse: s-maj=5.9km s-min=5.1km az=140.2

ISC 14 10:28:16.3, 37.21N, 27.91E, h12km, 3km, ML2.1/4 DDA 14 10:28:16.7, 37.17N, 27.89E, h7km, ML2.6, Suspected Mining explosion.

ISC 14 10:28:15.5, 1.0, 37.22N, 0.05, 28.02E, 0.04, h0km, n10, r033/13, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, and various station codes (MLSB, BODT, etc.) with associated numerical data and codes.

MEX 14 10:29:06.4, 0.7, 16.07N, 97.53W, h20km, 36km, MD3.7, Oaxaca

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, and various station codes (PNIG, TLIG, etc.) with associated numerical data and codes.

NIED 14 10:34:00, 37.70N, 143.50E, h5km, Mw3.8 Best double couple: M5.53000x1014, N1.1x354.00000, s25.00000, x-119.00000, NP2x206.00000, s69.00000, z-77.00000

IDC 14 10:34:31.8, 1.5, 37.52N, 143.16E, h0km, mb3.8/5, mb1.4/9, mb1mx3.8/56, mbmp3.9/9, ML3.9/3, MS2.7/2, Ms1.2/7.2, ms1mx2.4/72, Error ellipse: s-maj=36.2km s-min=19.0km az=72.0

ISCJJB 14 10:34:39.0, 8.3, 37.63N, 0.03, 143.50E, 0.06, h33km, mb3.8/5, Error ellipse: s-maj=7.1km s-min=4.8km az=174.4

JMA 14 10:34:34.8, 0.2, 37.71N, 143.53E, h52km, M3.8 ISC 14 10:34:36.0, 1.3, 37.66N, 0.05, 143.6E, 0.1, h35km, n31, r1574/37, mb3.7/5, Off east coast of Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, and various station codes (JIKH, JIO, etc.) with associated numerical data and codes.

DDA 14 10:34:41.1, 37.13N, 27.87E, h7km, ML2.5, Suspected Mining explosion.

ISCJJB 14 10:34:42.0, 0.6, 37.16N, 0.04, 27.90E, 0.05, h0km, Error ellipse: s-maj=6.4km s-min=5.6km az=36.4

ISC 14 10:34:42.2, 37.21N, 27.84E, h13km, 2km, ML2.2/4 ISC 14 10:34:39.7, 1.0, 37.03N, 0.04, 27.90E, 0.04, h0km, n10, r059/13, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, and various station codes (MLSB, DAT, etc.) with associated numerical data and codes.

BUI 14 10:35:57.5, 31.21N, 119.52W, h10km, mb5.9/44, mb6.6/36, Ms6.4/72, Ms7.6/1/63

MOS 14 10:35:59.8, 0.8, 31.16N, 119.68W, h13km, mb6.4/155, MS6.3/106, Error ellipse: s-maj=5.1km s-min=3.0km az=74.5

NEIC 14 10:36:01.6, 0.1, 31.10N, 119.66W, h13km, mb6.2/298, ME6.2, MS6.1/296, MW6.3, MW6.4, MW6.5, ML6.1/EC3, Error ellipse: s-maj=2.5km s-min=1.9km az=222.0, Moment Tensor Solution. s38 Moment tensor: Scale 10^18Nm; Mn-3.54; Mw0.91; Mw2.62; Mw0.25; Mw0.85;

Mw-1.03; Best double couple: M₀3.50000x10¹⁸ N_{P1}: q₂₀0.00000, δ₅₄.00000, λ₋₉₃.00000. NP₂2₀24.00000⁰, δ₃₆.00000, λ₋₈₇.00000. Principal axes: T 3.1300, Plg9.0000, Azm112.0000; N 0.5700, Plg2.0000, Azm21.0000; P -3.7100, Plg81.0000, Azm279.0000; Apparent Stress 0.28 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism.

NEIC Felt [V] at Ensenada and [III] at Rosarito and Tijuana. Also felt at Camalu and Mexicali. Felt [IV] at San Diego and [III] in many areas inland and along the coastline of southern California. Also felt in parts of northern California, Arizona and Nevada.

NEIC 14 10:36:01.0-0.0,31.22N;119:67W,h15km,Moment Tensor Solution. s76 Moment tensor: Scale 10¹⁸Nm; M₀-3.77; M₁0.105; M₂0.73; M₃0.65; M₄2.19; M₅0.31; Best double couple: M₀4.10000x10¹⁸ N_{P1}1₀226.00000⁰, δ₄₇.00000, λ₋₇.00000. NP₂2₀23.00000⁰, δ₄₅.00000, λ₋₁₀₆.00000. Principal axes: T 4.2300, Plg0.0000; Azm304.0000; N -0.3100, Plg11.0000, Azm34.0000; P -3.9200, Plg78.0000; Azm210.0000;

PAS 14 10:36:02.0-0.0,31.35N;119:60W,h11km ECX 14 10:36:02.3,31.14N;119:28W,h12km,MD5.9,ML6.1,Ms6.4

ISCJB 14 10:36:02.0-0.0,31.25N;119:53W;0.01,h32km,3km,mb-1.5/31,MS6.2/619,Error ellipse: s-maj=2.3km s-min=1.5km az=33.3

GCMT 14 10:36:04.6-0.0,31.08N;119:61W,h21km,MW6.4/149, Moment Tensor Solution. s141,c347; s149,c593; Duration: 37 Moment tensor: Scale 10¹⁸Nm; M₀-4.03; M₁0.3; M₂0.90; M₃0.13; M₄0.53; M₅0.4; M₆2.59; M₇0.2; M₈0.76; M₉0.4; Best double couple: M₀4.52900x10¹⁸ N_{P1}1₀34.00000⁰, δ₅₁.00000, λ₋₉₀.00000. NP₂2₀213.00000⁰, δ₅₉.00000, λ₋₉₁.00000. Principal axes: T 4.9200, Plg6.0000; Azm123.0000; N -0.8030, Plg0.0000; Azm213.0000; P -4.1270, Plg84.0000; Azm307.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

IDC 14 10:36:04.6-2.2,31.17N;119:58W,h33km,16km,mb5.6/53,mb1.5/759,mb1mx5.6/64,mbtmp5.8/59,ML5.4/7,MS6.0/62,Ms1.6/62,ms1mx6.0/68 Error ellipse: s-maj=10.8km s-min=7.7km az=56.0

MEX 14 10:36:04.8-1.1,31.20N;119:40W,h15km,391km,MD6.4 ANF 14 10:36:09.1-1.1,31.51N;119:30W,h35km,99km,ML6.1/38, Error ellipse: s-maj=7.4km s-min=3.7km az=50.0

NEIC 14 10:36:24.6-0.0,31.74N;119:30W,h26km,Moment Tensor Solution. s74 Moment tensor: Scale 10¹⁸Nm; M₀-4.63; M₁0.8; M₂0.35; M₃0.12; M₄0.25; M₅1.77; Best double couple: M₀5.40000x10¹⁸ N_{P1}1₀192.00000⁰, δ₅₄.00000, λ₋₁₁₇.00000. NP₂2₀52.00000⁰, δ₄₄.00000, λ₋₅₈.00000. Principal axes: T 5.2600, Plg5.0000; Azm300.0000; N 0.2200, Plg21.0000, Azm208.0000; P -5.4900, Plg68.0000; Azm43.0000;

ISC 14 10:36:01.8-0.5,31.11N;0.03;119.63W;0.03,h16km,2km,n2364,a1772/522,mb6.2/557,MS6.2/647,50C-108D,Off west coast of Baja California

Code	Station Name	Δ	AZ	Phase ID	Time Res	Dis	ISC	h	m	s	ISC
SC12	San Clemente I	2.8	26	Op	ISC	h	m	s	ISC	10 36 33.2	-2.8
SC12	baz=207,SNR=1000			S	Sn					10 36 56.2	-5.4
SNCC	San Nicolas Is	2.13	2	ePn	Pn					10 36 33.9	-2.9
SNCC	baz=183,SNR=306			eSn	Pn					10 36 59.7	-3.3
SNCC	San Nicolas Is	2.13	2	P	Pn					10 36 33.7	-3.1
SNCC	baz=183			S	Sn					10 36 55.7	-7.3
CIS	Catalina Islan	2.50	24	P	Sn					10 36 39.3	-2.7
CIS	baz=205,SNR=1000			S	Sn					10 37 05.7	-6.5
PBX	Punta Banda	2.56	75	eP	Pn					10 36 38.5	-4.2
ECNX	Esteban Cantu	2.65	77	eP	Pb					10 36 40.0	-9.0
ECNX				1eP	Pn					10 36 39.3	-4.7
ECNX				eS	Sn					10 37 10.3	-5.6
ECNX	comp=N,8533um,19.0s			IAMS_20	IAMS_20					10 37 28.4	
109C	Comp Elliot, M	2.78	50	P	Pn					10 36 42.8	-2.9
109C	baz=231,SNR=718			S	Sn					10 37 12.0	-7.0
CPE	Comp Elliot	2.78	50	ePn	Pn					10 36 43.3	-2.5
CBX	Cerro Bola	2.79	64	ePn	Pn					10 36 43.9	-5.0
CBX	Cerro Bola	2.79	64	eP	Pn					10 36 43.1	-3.0
CBX	Cerro Bola	2.79	64	eP	Pn					10 36 43.1	-3.0
CBX				eS	Sn					10 37 15.0	-4.5
ECNX	comp=N,1579um,12.7s			IAMS_20	IAMS_20					10 37 42.6	
SDRC	San Diego Road	2.80	54	eP	Pn					10 36 43.4	-2.6
FMP	Fort Macarthur	2.83	23	P	Pn					10 36 44.0	-2.4
TJIG	Tijuana	2.84	62	eP	Sn					10 36 43.5	-3.0
TJIG				iS	Sn					10 37 14.2	-6.3
TJIG	Tijuana	2.84	62	eP	Pn					10 36 43.7	-2.9
ZAX	El Zacaton	2.90	81	eP	Pn					10 36 44.0	-3.5
ZAX				eS	Sn					10 37 17.1	-4.9
EWL	El Monte Cty P	2.96	52	eP	Pn					10 36 45.2	-2.9
BAR	Barrett	2.96	57	ePn	Pn					10 36 45.2	-2.6
BAR	Barrett	2.96	57	ePn	Pn					10 37 18.7	-4.8
BAR				eS	Pn					10 36 45.5	-2.7
BAR	comp=N,3605um,14.6s			IAMS_20	IAMS_20					10 37 40.8	
DLAC	Del Amo	3.02	25	ePn	Pn					10 36 48.9	-0.1
DLAC				eSn	Pn					10 37 20.6	-4.3
BLG	Laguna Peak, P	3.02	9	P	Pn					10 36 46.8	-2.3
BLG	baz=190,SNR=433			S	Sn					10 37 18.0	-7.0
BREC	Barre Substati	3.03	27	ePn	Pn					10 36 47.8	-1.3
DJJ	Donna J Jenkin	3.15	18	ePn	Pn					10 36 50.3	-0.5
GVRC	Garvey Reservor	3.19	23	ePn	Pn					10 36 50.1	-1.3
MURC	Murrieta	3.22	39	Pn	Pn					10 36 49.4	-2.5
MONP2	Monument Peak	3.25	56	P	Pn					10 36 50.1	-2.3
MONP2	comp=N,220,SNR=1000										
MONP2	Monument Peak	3.25	56	eP	Pn					10 36 50.1	-2.3
MONP2				eS	Sn					10 37 26.8	-4.0
PASC	Pasadena Art C	3.28	21	ePn	Pn					10 36 50.7	-2.0
PASC				eSn	Pn					10 37 25.4	-6.0
BACC	Bachelor Mtn.	3.32	41	ePn	Pn					10 36 53.8	+0.7
DECC	Green Verdugo	3.32	19	ePn	Pn					10 36 51.4	-1.8
DECC	Green Verdugo	3.32	19	Pn	Pn					10 36 51.2	-2.0
SBC	Santa Barbara	3.32	359	ePn	Pn					10 36 51.4	-1.8
SBC	Santa Barbara	3.32	359	P	Pn					10 36 51.3	-1.8
SBC	baz=179,SNR=148			S	Sn					10 37 26.2	-6.1
IKP	In-Ko-Pah, Jac	3.36	62	P	Pn					10 36 51.8	-2.0
IKP	baz=244,SNR=1000			S	Sn					10 37 28.4	-5.1
IKP	comp=N,1218um,13.1s			IAMS_20	IAMS_20					10 37 59.2	
IKP	comp=N,780um,9.8s			IAMS_20	IAMS_20					10 38 22.2	
DGR	Donnenigoni Val	3.36	41	ePn	Pn					10 36 54.1	+0.3
RMX	La Rumorosa	3.37	63	eP	Pn					10 36 52.3	-1.6
RMX				eS	Sn					10 37 30.4	-3.2
RMX	comp=N,125um,0.3s			IAML						10 37 31.5	
RMX	comp=N,47um,0.5s			e	IAML					10 37 31.5	
RMX				e	IAML					10 37 33.5	
RMX	Mount Wilson	3.37	23	ePn	Pn					10 37 33.5	
MWC	Mount Wilson	3.37	23	eSn	Pn					10 37 28.6	-1.8
MWC	Mount Wilson	3.37	23	eP	Pn					10 36 52.3	-1.8
MWC				e	Pn					10 37 28.6	
SYP	Santa Ynez Paa	3.42	355	ePn	Pn					10 36 52.9	-1.8

RSBC	Riverside Bore	3.45	34	ePn	Pn					10 36 55.9	+0.9
FRD	Ford Ranch, An	3.49	46	ePn	Pn					10 36 54.9	-0.8
FRD				eSn	Pn					10 37 32.9	-3.9
BFSC	Mount Baldy Ra	3.53	28	P	Pn					10 36 54.2	-6.1
BFSC	baz=209,SNR=1000			S	Sn					10 37 31.7	-2.0
SPIG	San Pedro Mart	3.57	90	ePn	Pn					10 36 54.3	-2.6
SPIG	San Pedro Mart	3.57	90	iP	Pn					10 36 54.3	-2.6
SPIG	San Pedro Mart	3.57	90	eP	Pn					10 36 54.3	-2.4
SPX	San Pedro Mart	3.57	90	ePn	Pn					10 36 54.5	-2.5
SPX	San Pedro Mart	3.57	90	eP	Pn					10 37 34.3	-4.7
SPX				eS	Pn					10 37 37.2	
SPX				1e	Pn					10 37 37.2	
SPX	comp=N,221m,1.3s			IAML						10 37 37.2	
OSI	Osito Audit: C	3.57	12	ePn	Pn					10 36 55.5	-1.2
OSI				eSn	Pn					10 37 35.6	-3.0
OSI	Osito Audit: C	3.57	12	P	Pn					10 36 55.3	-1.4
PFO	Pinyon Flats O	3.66	46	ePn	Pn					10 36 56.8	-1.2
PFO				eP	Pn					10 37 37.5	-3.4
PFO	Pinyon Flats O	3.66	46	ePn	Pn					10 36 56.8	-1.2
PFO				e	Pn					10 37 37.5	
PFO	Pinyon Flats O	3.66	46	P	Pn					10 36 56.5	-1.4
PFO	baz=228,SNR=1000			S	Sn					10 37 35.9	-5.0
XPFO	Pison Flat	3.66	46	ePn	Pn					10 36 57.0	-0.9
XPFO				eSn	Pn					10 37 37.5	-3.4
SVD	Seven Oaks Dam	3.67	35	ePn	Pn					10 36 58.0	0.0
SWSC	Sam W. Stewart	3.73	60	ePn	Pn					10 36 57.5	-1.3
SWSC	Sam W. Stewart	3.73	60	P	Pn					10 36 56.9	-1.8
SWSC	baz=242,SNR=900			eP	Pn					10 36 56.9	-1.8
SWSC	Sam W. Stewart	3.73	60	eP	Pn					10 36 57	

14d 10h

Table with columns: WHAR, WOOLY HOLLOW, 23.22, 72, eP, P, 10 41 07.9 -0.3, etc. Lists various locations and their associated data points.

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Table with columns: N41A, HARDEN MIDLAND, 25.10, 60, P, P, 10 41 25.9 0.0, etc. Lists various locations and their associated data points.

718

Table with columns: JFWS, JEWELL FARM, 26.12, 55, eP, P, 10 41 34.8 -0.3, etc. Lists various locations and their associated data points.

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248A	Dixon Mills	27.13	80	P	P	10 41 44.9 +0.7
N44A	Piper City	27.14	60	P	P	10 41 43.8 -0.5
Z48A	Northport	27.16	77	P	P	10 41 44.6 0.0
448A	Bay Minette	27.18	82	P	P	10 41 45.4 +0.7
148A	Greensboro	27.21	78	P	P	10 41 45.4 +0.5
F40A	Park Falls	27.22	49	P	P	10 41 43.9 -1.1
P45A	Graceland, Par	27.23	63	eP	P	10 41 44.9 -0.1
P45A	comp=Z,41um,21.0s			LR	LR	
P45A	Graceland, Par	27.23	63	P	P	10 41 45.0 -0.1
EYMN	Ely	27.23	44	eP	P	10 41 44.2 -0.9
EYMN	comp=Z,277nm,1.1s			LR	LR	
EYMN	Ely	27.23	44	P	P	10 41 44.3 -0.8
R46A	Gibson Southern	27.25	66	P	P	10 41 45.2 -0.1
U47A	Clarksville	27.32	70	P	P	10 41 45.8 -0.1
M44A	Midewin, Midew	27.32	59	eP	P	10 41 45.6 -0.3
M44A	comp=Z,31um,1.6s			LR	LR	
M44A	Midewin, Midew	27.32	59	P	P	10 41 45.6 -0.3
I42A	Draeger Farm,	27.34	54	eP	P	10 41 45.0 -1.0
I42A	comp=Z,241nm,0.9s			LR	LR	
I42A	Draeger Farm,	27.34	54	P	P	10 41 45.1 -1.0
O45A	Potomac	27.35	62	P	P	10 41 45.7 -0.4
K43A	Burlington	27.42	56	eP	P	10 41 46.3 -0.4
K43A	comp=Z,313nm,1.1s			LR	LR	
K43A	Burlington	27.42	56	P	P	10 41 46.0 -0.7
Y48A	Jasper	27.45	75	P	P	10 41 47.0 -0.2
Q46A	CEJHS Indians,	27.46	64	P	P	10 41 46.7 -0.4
T47A	Sharon Grove	27.49	69	eP	P	10 41 47.8 +0.3
T47A	comp=Z,625nm,1.3s			LR	LR	
T47A	Sharon Grove	27.49	69	P	P	10 41 47.9 +0.4
X48A	Hartselle	27.53	74	eP	P	10 41 47.7 -0.2
X48A	comp=Z,182nm,1.0s			LR	LR	
X48A	Hartselle	27.53	74	P	P	10 41 47.7 -0.2
J43A	Natural Harves	27.53	55	P	P	10 41 47.1 -0.7
E40A	Wakefield	27.57	48	P	P	10 41 47.5 -0.6
G41A	Antigo	27.58	51	P	P	10 41 47.0 -1.2
L44A	Lake County Fo	27.59	58	P	P	10 41 48.0 -0.3
W48A	Pulaski	27.60	73	P	P	10 41 48.2 -0.3
N45A	Kentland	27.61	60	P	P	10 41 48.0 -0.5
P46A	Rosedale	27.65	63	P	P	10 41 48.7 -0.2
LRAL	Lakeview Retre	27.66	77	eP	P	10 41 49.1 +0.1
LRAL	comp=Z,169nm,1.1s			LR	LR	
LRAL	Lakeview Retre	27.66	77	P	P	10 41 49.0 +0.1
249A	Camden	27.66	80	P	P	10 41 49.5 +0.5
349A	Repton	27.68	81	P	P	10 41 50.3 +1.1
V48A	Smith Brothers	27.69	72	eP	P	10 41 48.9 -0.4
V48A	comp=Z,175nm,1.1s			LR	LR	
V48A	Smith Brothers	27.69	72	P	P	10 41 48.9 -0.4
S47A	Hartford	27.71	68	P	P	10 41 49.2 -0.1
449A	Pace	27.75	82	P	P	10 41 50.7 +0.9
H42A	Shiocton	27.79	52	eP	P	10 41 49.3 -0.8
H42A	comp=Z,384nm,1.0s			LR	LR	
H42A	Shiocton	27.79	52	P	P	10 41 49.0 -1.1
F41A	Three Lakes	27.82	50	eP	P	10 41 49.6 -0.8
F41A	comp=Z,175nm,1.0s			LR	LR	
F41A	Three Lakes	27.82	50	P	P	10 41 49.5 -0.8
BRAL	Brewton	27.83	81	eP	P	10 41 51.8 +1.3
BRAL	comp=Z,569nm,1.1s			LR	LR	
BRAL	Brewton	27.83	81	P	P	10 41 51.6 +1.1
SFIN	Lafayette	27.85	62	eP	P	10 41 50.4 -0.2
SFIN	comp=Z,293nm,1.0s			LR	LR	
SFIN	Lafayette	27.85	62	P	P	10 41 50.4 -0.2
I43A	Langenfeld Bro	27.86	54	P	P	10 41 49.8 -0.9
149A	Jones	27.87	78	P	P	10 41 51.1 +0.1
M45A	Boilermakers S	27.91	59	P	P	10 41 51.0 -0.2
COWI	Conover	27.93	49	eP	P	10 41 50.5 -0.8
COWI	comp=Z,323nm,1.0s			LR	LR	
U48A	Cassie Pea, Po	27.93	70	P	P	10 41 51.6 +0.3
TGIG	Wooly Knot Far	28.02	114	eP	P	10 41 54.5 +2.1
TGIG	comp=Z,280nm,1.0s			LR	LR	
R47A	Columbiana	28.04	77	P	P	10 41 52.4 0.0
Z49A	Columbiana	28.07	77	P	P	10 41 52.4 0.0
T48A	Bowling Green	28.07	69	P	P	10 41 52.9 +0.3
Y49A	Blount Mountai	28.09	76	eP	P	10 41 53.0 +0.2
Y49A	comp=Z,225nm,1.3s			LR	LR	
Y49A	Blount Mountai	28.09	76	P	P	10 41 52.2 -0.7
G42A	Mountai	28.09	51	eP	P	10 41 51.8 -1.0
G42A	comp=Z,108um,20.0s			LR	LR	
G42A	Mountai	28.09	51	P	P	10 41 51.9 -0.9
X49A	Woodville	28.12	74	P	P	10 41 52.9 -0.2
BLO	Bloomington	28.12	64	eP	P	10 41 53.2 +0.1
BLO	comp=Z,2um,1.8s			LR	LR	
BLO	Bloomington	28.12	64	P	P	10 41 53.2 +0.1
BLO	comp=Z,2um,1.8s			MLR	MLR	
W49A	Belviders	28.15	73	P	P	10 41 53.4 0.0
Q47A	Bedord North L	28.17	65	P	P	10 41 53.5 -0.1
E41A	Kenton	28.17	48	P	P	10 41 52.4 -1.1
N46A	Monticello	28.20	61	P	P	10 41 53.9 +0.1

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WCI	Wyandotte Cave	28.21	66	eP	P	10 41 54.1 +0.2
WCI	comp=Z,591nm,1.7s			LR	LR	
WCI	Wyandotte Cave	28.21	66	eP	P	10 41 54.1 +0.2
WCI	comp=Z,991nm,1.7s			MLR	MLR	
WCI	Wyandotte Cave	28.21	66	P	P	10 41 53.9 0.0
DLBC	Dease Lake	28.23	348	P	P	10 41 55.2 +1.3
DLBC	comp=Z,178nm,0.9s,baz=179,slow=6.9,SNR=134			PcP	PcP	10 45 07.4 +0.4
DLBC	Dease Lake	28.23	348	eP	P	10 41 55.5 +1.5
DLBC	comp=Z,224nm,1.0s			LR	LR	
DLBC	Dease Lake	28.23	348	P	P	10 41 55.4 +0.8
450A	Crestview	28.28	82	P	P	10 41 53.9 -0.6
H43A	Windswept, Lux	28.29	53	eP	P	10 41 53.9 -0.6
H43A	comp=Z,465nm,1.1s			LR	LR	
H43A	Windswept, Lux	28.29	53	P	P	10 41 54.1 -0.5
P47A	Martinsville	28.35	64	P	P	10 41 54.9 -0.3
S48A	Wiedeman Farm,	28.36	68	P	P	10 41 55.6 +0.3
250A	Grady	28.38	79	eP	P	10 41 56.2 +0.7
250A	comp=Z,716nm,1.2s			LR	LR	
250A	Grady	28.38	79	P	P	10 41 56.0 +0.5
350A	Maple Grove Fa	28.40	81	P	P	10 41 56.6 +0.9
SWET	Sewanee	28.42	73	eP	P	10 41 55.7 -0.2
SWET	comp=Z,299nm,1.3s			LR	LR	
V49A	McMinnville	28.44	71	P	P	10 41 55.9 -0.1
F42A	Maple Grove Fa	28.46	50	P	P	10 41 55.2 -0.8
150A	Eclectic	28.52	78	P	P	10 41 57.2 +0.5
O47A	Sheridan	28.52	62	P	P	10 41 56.1 -0.6
Z50A	Ashland	28.54	77	eP	P	10 41 57.2 +0.3
Z50A	comp=Z,25um,22.0s			LR	LR	
Z50A	Ashland	28.54	77	P	P	10 41 57.3 +0.4
U49A	Red Boiling Sp	28.54	70	P	P	10 41 56.8 -0.1
R48A	Northridge Nar	28.56	66	P	P	10 41 57.4 +0.4
M46A	Old House Fiel	28.58	60	eP	P	10 41 57.2 +0.1
M46A	comp=Z,294nm,1.0s			LR	LR	
M46A	Old House Fiel	28.58	60	P	P	10 41 57.1 +0.1
PCIG	Wallace	28.58	116	eP	P	10 41 59.8 +2.5
PCIG	comp=Z,306nm,1.0s			LR	LR	
G43A	Wallace	28.59	51	P	P	10 41 56.2 -1.0
G43A	comp=Z,93um,19.0s			LR	LR	
MYIG	Mörida	28.62	103	eP	P	10 41 59.3 +1.7
Y50A	Piedmont	28.64	75	P	P	10 41 58.0 +0.2
D41A	Chassel	28.65	47	eP	P	10 41 57.0 -0.7
D41A	comp=Z,72um,19.0s			LR	LR	
D41A	Chassel	28.65	47	P	P	10 41 57.1 -0.7
X50B	Fort Payne	28.68	74	P	P	10 41 58.0 -0.2
Q48A	Not Vernon	28.71	65	P	P	10 41 58.1 -0.3
L46A	Eue Claire	28.73	58	P	P	10 41 58.4 -0.1
T49A	Edmonton	28.75	69	eP	P	10 41 59.3 +0.5
T49A	comp=Z,980nm,1.6s			LR	LR	
T49A	Edmonton	28.75	69	P	P	10 41 59.2 +0.5
E42A	Champion	28.84	49	P	P	10 41 58.6 -0.8
W50A	Signal Mountai	28.93	73	eP	P	10 42 00.4 0.0
W50A	comp=Z,352nm,1.1s			LR	LR	
W50A	Signal Mountai	28.93	73	P	P	10 42 00.2 -0.2
J45A	Montague	28.98	56	P	P	10 42 00.4 -0.2
S49A	Springfield	28.98	67	P	P	10 42 00.7 0.0
N47A	Urbana	28.98	61	P	P	10 41 59.9 -0.7
JIS	Juneau Island	28.98	344	eP	P	10 42 01.8 +1.4
JIS	comp=Z,234nm,1.1s			LR	LR	
P48A	Milroy	29.00	64	P	P	10 42 00.6 -0.4
451A	Vernon	29.02	82	eP	P	10 42 02.0 +0.8
451A	comp=Z,566nm,1.1s			LR	LR	
451A	Vernon	29.02	82	P	P	10 42 01.8 +0.6
351A	Pinckard	29.04	81	P	P	10 42 02.1 +0.8
CCIG	Comitan	29.08	114	eP	P	10 42 03.8 +1.9
CCIG	comp=Z,65um,18.0s			LR	LR	
CCIG	Comitan	29.08	114	P	P	10 42 03.8 +1.9
251A	Midway	29.09	79	P	P	10 42 01.9 +0.1
V50A	Pikeville	29.09	72	P	P	10 42 01.4 -0.3
R49A	Shelbyville	29.10	66	P	P	10 42 01.9 +0.1
151A	Opelika	29.11	78	P	P	10 42 01.7 -0.3
M47A	Crowell	29.11	60	P	P	10 42 01.8 -0.1
F43A	Flat Rock, Esc	29.12	50	P	P	10 42 00.8 -1.1
Z51A	Franklin	29.16	76	P	P	10 42 02.7 +0.4
Y51A	Rockmark	29.20	75	P	P	10 42 02.9 +0.2
I45A	Fountain	29.23	54	P	P	10 42 02.3 -0.6
K46A	Dorr	29.24	57	P	P	10 42 02.4 -0.5
U50A	Jamestown	29.30	70	P	P	10 42 03.6 0.0
O48A	Farmland	29.32	62	P	P	10 42 02.9 -0.7
T50A	Nancy	29.31	69	P	P	10 42 03.6 -0.1
X51A						

14d 10h

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BRYW, WES, AKUT, MTDJ, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CRPR, DRLN, OBIP, OTAV, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PPTF, PPT2, PPT2, PPT2, etc.

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Table with columns for station call letters, frequency, time, and signal strength. Includes stations like WAKE, KBS, SPITS, and YAK.

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Table with columns for station call letters, frequency, time, and signal strength. Includes stations like YUK, YUH, LVC, YSS, and GOO2.

14d 10h

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like FOO, TEY, TEY, TEY, and FOO.

14d 10h

FOEL	comp=Z,177nm,0.9s	IAMB	IAMB	10 48 12.7
FOEL	comp=Z,177nm,18.3s	IAMS_20	IAMS_20	11 21 52.1
NC303	NORSAR Array S 79.76 22 eP	P	P	10 48 09.1 +0.2
HPK	Haverah Park 79.82 32 eP	IAMB	IAMB	10 48 10.1 +0.8
HPK	comp=Z,614nm,1.6s	IAMS_20	IAMS_20	11 23 44.9
HPK	NORSAR Subarra 79.85 22 P	P	P	10 48 09.2 -0.2
NB2	NORSAR Subarra 79.85 22 P	P	P	10 48 09.2 -0.2
NB200	NORSAR Array S 79.85 22 eP	P	P	10 48 09.3 -0.1
NB200	comp=Z,444nm,1.4s,baz=317,slow=5.9	P	P	10 48 09.2 -0.2
NOA	NORSAR Array B 79.85 22 P	P	P	10 48 09.3 -0.1
NOA	comp=Z,110nm,0.9s,baz=318,slow=5.4,SNR=160	P	P	10 48 09.3 -0.1
NOA	comp=Z,1.6nm,0.8s,baz=50,slow=2,SNR=5.0	LR	LR	11 06 54.5 -1.2
NOA	comp=Z,10um,21.9s,slow=35	P	P	10 48 09.6 +0.1
NB201	NORSAR Array S 79.87 22 eP	P	P	10 48 10.5 +0.8
GDLE	Glaistdale, N Y 79.88 31 eP	IAMS_20	IAMS_20	11 23 13.2
GDLE	comp=Z,33um,17.4s	IAMS_20	IAMS_20	11 23 57.0
NA001	NORSAR Array S 79.89 22 eP	P	P	10 48 09.6 0.0
NA005	NORSAR Array S 79.96 22 eP	P	P	10 48 10.0 0.0
LBWR	Ladybower, Pea 80.13 32 eP	IAMB	IAMB	10 48 11.7 +0.7
LBWR	comp=Z,300nm,1.2s	IAMS_20	IAMS_20	11 23 57.0
LBWR	comp=Z,37um,16.4s	IAMS_20	IAMS_20	11 23 57.0
NC602	NORSAR Array S 80.19 22 eP	P	P	10 48 11.3 +0.1
NC602	NORSAR Array S 80.19 22 eP	P	P	10 48 11.4 +0.3
NC602	comp=Z,2.5um,18.9s	IVMS_BB	IVMS_BB	11 21 50.0
NC602	comp=Z,5um,18.9s	IVMS_BB	IVMS_BB	11 21 50.0
NORES	NORESS Array B 80.19 22 P	P	P	10 48 12.1 +0.9
NORES	comp=Z,128nm,0.9s	P	P	10 48 12.6 +0.5
KONO	Kongsberg 80.36 24 eP	LR	LR	10 48 12.4 +0.3
KONO	comp=Z,23um,19.0s	MLR	MLR	10 48 12.7 +0.6
KONO	Kongsberg 80.36 24 dIP	P	P	10 48 12.7 +0.6
KONO	comp=Z,21um,19.0s	MLR	MLR	10 51 16.7 +2.3
KONO	Kongsberg 80.36 24 eP	P	P	10 48 12.7 +0.6
KONO	comp=Z,284nm,1.0s	MLR	MLR	11 23 35.6
KONO	comp=Z,21um,19.0s	MLR	MLR	11 23 35.6
KONO	Kongsberg 80.36 24 eP	P	P	10 48 12.7 +0.6
KONO	comp=Z,21um,19.0s	MLR	MLR	11 23 35.6
KONO	Kongsberg 80.36 24 eP	P	P	10 48 12.7 +0.6
KONO	comp=Z,21um,19.0s	MLR	MLR	11 23 35.6
CCA1	Carmenellis 80.44 36 eP	IAMB	IAMB	10 48 13.1 +0.4
CCA1	comp=Z,8um,15.7s	IAMB	IAMB	10 48 16.2
CCA1	comp=Z,239nm,0.9s	IAMS_20	IAMS_20	11 21 52.0
SNART	Snartemo 80.47 25 eP	P	P	10 48 13.8 +1.1
MONM	Monmouth 80.61 34 eP	IAMS_20	IAMS_20	11 27 04.1
MONM	comp=Z,1.7um,15.4s	IAMS_20	IAMS_20	11 27 04.1
USA0B	Ussuriysk Arra 80.64 316 eP	P	P	10 48 12.9 -1.0
USA0B	comp=Z,278nm,1.0s	LR	LR	10 48 12.9 -1.0
USA0B	comp=Z,5um,20.0s	LR	LR	10 48 13.0 -0.9
USRK	Ussuriysk Ar. 80.64 316 P	P	P	10 48 13.0 -0.9
USRK	comp=Z,225nm,0.9s,baz=56,slow=4.4,SNR=233	LR	LR	11 17 20.9
USRK	comp=Z,2.4um,21.7s,baz=26,slow=31	LR	LR	11 17 20.9
BOD	Bodaibo 80.67 334 i/P	P	P	10 48 12.1 -1.7
BOD	comp=Z,255nm,1.9s	P	P	10 48 15.0 +0.7
CWF	Charnwood Fore 80.75 33 eP	IAMB	IAMB	10 48 16.2
CWF	comp=Z,79nm,0.8s	IAMS_20	IAMS_20	11 25 30.0
CWF	comp=Z,28um,14.1s	P	P	10 48 14.2 -0.9
MJAR	Matsushiro Arr 80.83 307 P	P	P	10 48 14.2 -0.9
MJAR	comp=Z,151nm,1.0s,baz=43,slow=3.5,SNR=217	P	P	11 14 59.8
MJAR	comp=Z,4.5nm,1.0s,baz=254,slow=4.4,SNR=6.4	P	P	11 14 59.8
MJAR	comp=Z,2.6nm,1.0s,baz=233,slow=4.6,SNR=4.6	LR	LR	11 19 26.5
MJAR	comp=Z,1.0um,19.3s,baz=70,slow=32	P	P	10 48 14.4 -0.8
MAJO	Matsushiro 80.84 307 eP	P	P	10 48 14.4 -0.8
MAJO	comp=Z,353nm,0.8s	ePKKPbc	ePKKPbc	11 06 52.5 -0.4
MAJO	comp=Z,12um,20.0s	P	P	10 48 14.1 -1.1
MAJO	Matsushiro 80.84 307 dIP	P	P	10 48 14.1 -1.1
MAJO	comp=Z,451nm,1.0s	P	P	10 48 14.2 -1.0
MAT	Matsushiro 80.84 307 P	S	S	10 58 22.8 -0.2
MAT	comp=Z,352nm,0.8s	S	S	10 48 14.3 -0.9
MJB9	Matsu-Tunnel 80.84 307 eP	LR	LR	10 48 19.8 -0.3
MJB9	comp=Z,13um,20.0s	P	P	10 48 24.3 -1.0
MJB9	comp=Z,352nm,0.8s	S	S	10 48 27.9 +0.7
MJB9	comp=Z,13um,20.0s	P	P	10 58 30.8 -1.9
STRD	Stroud 80.96 34 eP	IAMB	IAMB	10 48 21.1 +0.6
STRD	comp=Z,522nm,1.1s	IAMS_20	IAMS_20	11 21 38.3
STRD	comp=Z,18um,21.5s	IAMS_20	IAMS_20	11 21 38.3
HOMB	Homborsund 80.99 25 eP	P	P	10 48 16.6 +1.1
HFS	Hagfors 81.34 22 P	P	P	10 48 17.4 0.0
HFS	comp=Z,182nm,0.8s,baz=343,slow=2.0,SNR=120	P	P	10 48 30.0 +1.1
HJ2	Mitsune 81.51 303 PFAKE	LR	LR	10 48 30.0 +1.1
HJ2	comp=Z,4um,21.0s	LR	LR	11 17 15.3
HJH	Hachi jima 2 81.53 303 LR	LR	LR	11 16 15.9
RAO	Raoul Island 81.72 229 LR	LR	LR	10 48 30.0 +1.0
RAO	comp=Z,7um,22.0s,baz=50,slow=30	PFAKE	LR	10 48 30.0 +1.0
RAO	Raoul Island 81.72 229 PFAKE	LR	LR	10 48 30.0 +1.0
RAO	comp=Z,9um,18.0s	LR	LR	10 48 19.8 -0.3
MDJ	Mudanjiang 81.80 318 P	P	P	10 48 24.3 -1.0
MDJ	comp=Z,352nm,0.8s	P	P	10 48 27.9 +0.7
MDJ	comp=Z,13um,20.0s	P	P	10 58 30.8 -1.9
MDJ	comp=Z,57nm,0.8s	P	P	10 48 19.8 -0.3
MDJ	comp=Z,5um,11.2s	LR	LR	10 48 24.3 -1.0
MDJ	comp=Z,2um,17.6s	LR	LR	10 48 27.9 +0.7
MDJ	comp=Z,6um,16.2s	LR	LR	10 58 30.8 -1.9
MDJ	comp=Z,8um,17.8s	LR	LR	10 48 19.8 -0.3
MDJ	Mudanjiang 81.80 318 eP	P	P	10 48 19.0 -1.1
MDJ	comp=Z,88nm,1.2s	LR	LR	10 48 19.8 -0.3
MDJ	comp=Z,7um,22.0s	LR	LR	10 48 24.3 -1.0
MSHR	Mys Shultsa 82.06 315 dIP	P	P	10 48 21.1 -0.4
INU	Inuyama 82.29 307 eP	P	P	10 48 21.2 -1.7
INU	comp=Z,99nm,1.2s	LR	LR	10 48 21.1 -0.4
CPUP	Villa Florida 82.47 127 P	P	P	10 48 23.6 -0.2
CPUP	comp=Z,105nm,1.1s,baz=321,slow=5.5,SNR=57	P	P	11 06 49.5 -0.6
CPUP	comp=Z,4.5nm,0.9s,baz=78,slow=2.0,SNR=6.6	P	P	11 06 49.5 -0.6
CPUP	comp=Z,5um,19.0s,baz=341,slow=34	P	P	10 48 23.5 -0.2
CPUP	Villa Florida 82.47 127 eP	P	P	10 48 23.5 -0.2
CPUP	comp=Z,311nm,1.4s	P	P	10 48 23.5 -0.2
CPUP	Villa Florida 82.47 127 eP	P	P	10 48 23.5 -0.2
CPUP	comp=Z,311nm,1.4s	P	P	10 48 23.5 -0.2
MUD	Monsted Ugrnd 82.57 26 i/P	P	P	10 48 24.6 +0.8
MUD	comp=Z,191nm,0.8s	P	P	10 48 24.3 +0.1
ROSF	Rostrenen 82.59 37 eP	P	P	10 48 24.3 +0.1
ROSF	comp=Z,586nm,1.6s	P	P	10 48 24.9 +0.7
JSA	Saint Aubin 82.61 36 eP	IAMS_20	IAMS_20	11 23 08.5
JSA	comp=Z,14um,20.2s	IAMS_20	IAMS_20	11 23 08.5
CBJ	Chichi jima 82.87 297 PFAKE	LR	LR	10 48 40.0 +1.4
CBJ	comp=Z,6um,20.0s	LR	LR	10 48 40.0 +1.4

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QUIF	Quistinic 82.91 37 eP	P	P	10 48 26.2 +0.4
QUIF	comp=Z,615nm,1.4s	P	P	10 48 27.0 +0.5
BDFB	Brasilia 82.94 113 P	P	P	10 48 27.0 +0.5
BDFB	comp=Z,135nm,1.1s,baz=304,slow=8,SNR=62	P	P	11 06 49.4 +0.7
BDFB	comp=Z,4.5nm,0.9s,baz=157,slow=5.4,SNR=4.5	LR	LR	11 26 56.5
BDFB	comp=Z,5um,19.7s,baz=315,slow=37	LR	LR	11 26 56.5
RAF	Rauma 82.95 18 eP	AMS	AMS	10 48 25.6 -0.2
RAF	comp=Z,8um,21.1s	AMS	AMS	11 25 15.3
RAF	comp=Z,12um,19.1s	AMS	AMS	11 27 33.7
RAF	comp=Z,13um,19.1s	AMS	AMS	11 27 47.8
PMOZ	Porto Moniz, M 83.00 56 eP	P	P	10 48 27.7 +1.0
PMOZ	comp=Z,396nm,2.6s	P	P	10 48 27.7 +1.0
SGMF	Saint Gilles 83.01 37 eP	P	P	10 48 26.5 +0.1
SGMF	comp=Z,429nm,1.3s	P	P	11 22 49.6
GO06	Curarehue 83.35 145 eP	P	P	10 48 29.1 +0.9
GO06	comp=Z,119nm,1.1s	LR	LR	11 22 49.6
GO06	comp=Z,8um,20.0s	LR	LR	11 22 49.6
FA0	FINESS Array S 83.66 16 eP	P	P	10 48 29.2 -0.2
FA0	comp=Z,2um,20.0s	P	P	10 48 29.2 -0.2
FA0	FINESS Array S 83.66 16 eP	P	P	10 48 29.2 -0.2
FA0	comp=Z,13um,19.1s	P	P	10 48 29.2 -0.2
FA0	FINESS Array S 83.66 16 eP	P	P	10 48 29.2 -0.2
FA0	comp=Z,129nm,0.8s,baz=353,slow=4.6,SNR=139	P	P	11 06 43.9 -3.2
FINES	comp=Z,2.1nm,0.6s,baz=11,slow=1.9,SNR=5.9	LR	LR	11 25 58.8
FINES	comp=Z,17um,21.3s,baz=346,slow=36	LR	LR	10 48 30.4 +0.3
FLN	La Foliniere 83.73 36 eP	P	P	10 48 30.8 +0.3
FLN	comp=Z,640nm,1.2s	P	P	10 48 30.8 +0.4
GRR	Gorron 83.79 36 eP	P	P	10 48 30.8 +0.4
GRR	comp=Z,491nm,1.0s	P	P	10 48 31.7 +0.1
LDF	La Druitiere 84.03 36 eP	P	P	10 48 31.7 +0.1
LDF	comp=Z,354nm,1.1s	P	P	10 48 31.2 -0.9
HIA	Hailar 84.13 325 eP	P	P	10 48 31.2 -0.9
HIA	comp=Z,154nm,1.1s	LR	LR	10 48 31.2 -0.9
HIA	comp=Z,10um,19.0s	LR	LR	10 48 31.2 -0.9
HIA	Hailar 84.13 325 eP	P	P	10 48 31.2 -0.9
HIA	comp=Z,154nm,1.1s	MLR	MLR	10 48 33.1 +0.3
HIA	comp=Z,10um,19.0s	MLR	MLR	10 59 01.1 +3.5
MEF	Metsahovi 84.32 17 eP	S	S	11 24 01.9
MEF	comp=Z,10um,19.0s	S	S	11 24 01.9
MEF	comp=Z,5um,20.2s	AMS	AMS	11 27 49.4
MEF	comp=Z,10um,18.8s	AMS	AMS	11 27 49.4
MEF	comp=Z,10um,18.8s	AMS	AMS	11 27 49.4
POLO	Lamas de Oio 84.35 45 eP	P	P	10 48 33.2 -0.3
POLO	comp=Z,6um,21.7s	P	P	10 48 33.2 -0.3
COP	Copenhagen 84.35 25 i/P	P	P	10 48 33.6 +0.6
COP	comp=Z,126nm,0.9s	P	P	10 48 33.6 +0.6
COP	comp=Z,9um,14.0s	P	P	10 48 33.6 +0.6
UCC	Uccle 84.66 32 PFAKE	LR	LR	10 48 50.0 +1.5
UCC	comp=Z,25um,22.0s	LR	LR	10 48 50.0 +1.5
UCC	Uccle 84.66 32 i/P	P	P	10 48 34.3 -0.4
UCC	comp=Z,14um,21.4s	P	P	10 48 34.3 -0.4
CN2	Changchun 84.67 319 P	P	P	10 51 51.1 +0.9
CN2	comp=Z,25um,22.0s	P	P	10 58 52.6 -9.2
CN2	comp=Z,25um,22.0s	P	P	10 58 52.6 -9.2
CN2	comp=Z,25um,22.0s	P	P	10 58 52.6 -9.2
CN2	comp=Z,80nm,1.2s	P	P	10 58 52.6 -9.2
CN2	comp=Z,4um,8.0s	P	P	10 58 52.6 -9.2
CN2	comp=Z,2um,21.0s	P	P	10 58 52.6 -9.2
CN2	comp=Z,2um,21.0s	P	P	10 58 52.6 -9.2
CN2	comp=Z,2um,21.0s	P	P	10 58 52.6 -9.2
CN2	comp=Z,2um,21.0s	P	P	10 58 52.6 -9.2
PLCA	Paso Flores 84.68 145 P	P	P	10 48 36.0 +1.2
PLCA	comp=Z,7um,22.0s	P	P	10 48 36.0 +1.2
PLCA	comp=Z,104nm,1.1s,baz=354,slow=4.7,SNR=41	P	P	11 06 41.7 +2.7
PLCA				

14d 10h

Table with columns for station call letters, name, frequency, and various signal quality metrics (e.g., SNR, S, P, M, L, R, LR, Pmax, Ppk, PpkP, PpkPbf, PpkPb, PpkPbc, PpkPbd, PpkPbe, PpkPbf, PpkPb, PpkPbc, PpkPbd, PpkPbe).

2012 DEC

Table with columns for station call letters, name, frequency, and various signal quality metrics (e.g., SNR, S, P, M, L, R, LR, Pmax, Ppk, PpkP, PpkPbf, PpkPb, PpkPbc, PpkPbd, PpkPbe).

726

Table with columns for station call letters, name, frequency, and various signal quality metrics (e.g., SNR, S, P, M, L, R, LR, Pmax, Ppk, PpkP, PpkPbf, PpkPb, PpkPbc, PpkPbd, PpkPbe).

14d 10h

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like KHMM, G16A, JCC, DUG, etc.

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Table with columns: JCT, Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, JCT, Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Junction City, WALA, LAO, LAO, etc.

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Table with columns: MNCM, Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Minye, GOOI, PB01, MAJO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CPUP Villa Florida, FINES FINESS Array B, HIA Hialar, etc.

IDC 14 11:08:48.8:14.0, 14.51S:165.85E, h0km, mb3.7/3, mb1 3.8/4, mb1mx3.5/39, mbtmp3.6/4, ML2.8/1, Error ellipse: s-maj=239.0km s-min=37.3km az=57.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, DZM Spitsbergen Arr, STKA Stephens Creek, etc.

ISC/B 14 11:09:03.6:0.7, 67.59N:0.04:33.9E:0.1, h0km, mb3.2/1, Error ellipse: s-maj=6.9km s-min=4.8km az=144.8

HEL 14 11:09:03.6:0.4, 67.51N:2.0E: h0km, ML2.7, Explosion UPP 14 11:09:05.5:0.6, 67.70N:33.97E, h0km, ML1.3

KOLA 14 11:09:06.6, 67.63N:33.92E, ML2.2, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

NAO 14 11:09:06.4:1.2, 67.67N:33.79E, ML3.2 IDC 14 11:09:06.6:1.2, 67.69N:33.87E, h0km, mb3.1/1, mb1 3.5/7, mb1mx3.2/64, mbtmp3.5/7, ML3.2/6, Error ellipse: s-maj=14.5km s-min=9.1km az=77.0

IEPN 14 11:09:07.0, 67.54N:33.76E, h0km ISC 14 11:09:03.8:0.1, 67.54N:0.04:33.90E:0.5, h0km, n55, c2538/83, Baltic States-Belarus-Northern Russia

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

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KEV Kevo, KEV Kevo, KEV Kevo, ARAO ARCESS Array S, ARAO ARCESS Array S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like 109C Camp Elliot, M, 109C Fort Macarthur, FMP Fort Macarthur, etc.

IDC 14 11:19:03.9:0.9, 37.50N:143.68E, h0km, mb3.7/8, mb1 3.9/10, mb1mx3.6/64, mbtmp3.7/10, ML3.7/2, Error ellipse: s-maj=25.1km s-min=19.6km az=103.0

JMA 14 11:19:07.1:0.2, 37.61N:143.56E, h52km, M3.6 ISC 14 11:19:07.6:3.3, 37.52N:103.14E:0.05, h31km, 25km, n26, c1572/29, mb3.8/8, 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 JIKH Ishinomakiobu, JIKH Ouri, JIKM Kenennumototy, etc.

ANF 14 11:09:57.0:0.5, 31.59N:119.30W, h10km, ML3.5/4, Error ellipse: s-maj=4.7km s-min=3.0km az=34.0, Off west coast of Baja California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SC12 San Clemente I, SC12 Spitsbergen Arr, etc.

14d 12h

ASAR Alice Springs 61.64 190 P P 11 29 22.7 +0.3
Yellowknife Ar 62.41 31 P P 11 29 28.9 +1.8
HFS Hagfors 74.27 306 P P 11 30 43.3 +1.9

IDC 14 11:19:48.8z.2.3, 16:97Sx177:46W, h396km, 2.2km, mb3.4/12, mb1 3.7/13, mb1mx3.4/39, mbtmp4.1/13, Error ellipse: s-maj=33.1km s-min=12.5km az=145.0
ISC 14 11:19:49.0z.1.0, 17:15.0z.02:177.3W.0.2, h403km, n19, r123/22, mb3.8/15, Fiji Islands region

Code Station Name Az AZZ Phase ID Time Res
DZM Mont Dzumac 16.07 250 P P 11 23 12.5 -0.5
HNR Honiara 23.39 286 P P 11 24 26.8 +2.6
STKA Stephens Creek 93.24 241 P P 11 25 46.4 +0.1
WRA Warrungarra Arr 45.80 259 P P 11 27 31.9 -1.0
ASAR Alice Springs 46.01 253 P P 11 27 34.4 -0.2
ASAR 0.5nm, 0.6s, baz=101, slow=4.8, SNR=3.0

IDC 14 11:27:11.4z.3.6, 14:70Sx166:91E, h42km, 3.2km, mb3.4/4, mb1 3.7/6, mb1mx3.5/37, mbtmp3.8/6, ML4.0/2, Error ellipse: s-maj=34.1km s-min=17.2km az=64.0, Vanuatu Islands

Code Station Name Az AZZ Phase ID Time Res
DZM Mont Dzumac 7.35 183 P P 11 28 57.3 +1.1
HNR Honiara 8.59 308 P P 11 29 13.7 +0.5
HNR 0.7nm, 0.3s, baz=311, slow=10, SNR=3.8
URZ Urewera 25.14 161 P P 11 32 32.9 +0.3
WRA Warrungarra Arr 31.49 256 P P 11 33 29.4 -0.1
ASAR Alice Springs 32.36 249 P P 11 33 37.0 -0.2
ILAR Eielson Array 86.61 18 P P 11 39 49.1 -0.9
ARCES ARCES Array B 120.13 345 PKP P 11 45 58.1 +0.9

TRN 14 11:38:12.1, 11:41N.61:81W, h59km, MD3.5, Windward Islands

Code Station Name Az AZZ Phase ID Time Res
GRGR Grenville 0.73 12 eP Pn 11 38 26.1 -0.7
GRHS Sauteurs 0.82 11 eS Pn 11 38 29.0 +0.3
TRN Trinidad (W) 0.86 152 eP Pn 11 38 28.3 -0.1
GRSS Sisters 0.90 102 eP Pn 11 38 29.2 +0.3
TPR Prospect 1.04 102 eP Pn 11 38 30.2 +0.5
BOT Bacolet 1.10 103 eS Pn 11 38 44.1 -0.3
PPP Pointe-a-Pierre 1.14 162 eP Pn 11 38 32.7 +0.6
TPB Brigand Hill 1.18 142 eP Pn 11 38 42.2 +0.2
TOSP Speyside 1.25 95 eP Pn 11 38 33.1 -0.4
FCV Fort Charlotte 1.82 18 eP Pn 11 38 41.3 +0.1
SVC Belmont 1.93 16 eP Pn 11 38 43.0 +0.3
SVC St. Vincent, C 1.96 19 eP Pn 11 38 43.5 +0.4
SVV Soufriere Volc 1.98 17 eP Pn 11 38 43.8 +0.4
SVV Crater Summit 2.00 17 eS Pn 11 39 07.1 -0.5
SLB Belford 2.52 17 eP Pn 11 38 50.9 +0.2

ISCJB 14 11:39:08.8z.0.5, 63:16Nz.0:02:27:66E.0:07, h0km, Error ellipse: s-maj=5.0km s-min=3.0km az=23.8
IDC 14 11:39:09.2z.1.6, 62:05N.02:50E, h0km, mb1 3.0/3, mb1mx2.8/45, mbtmp3.0/3, ML2.2/2, Error ellipse: s-maj=26.5km s-min=7.3km az=110.0
HEL 14 11:39:11.8z.0.1, 63:13N.27:74E, h0km, ML1.8, Explosion
ISC 14 11:39:11.5z.0.8, 63:04N.0:04:27:75E.0:04, h0km, n19, r121/32, Finland

Code Station Name Az AZZ Phase ID Time Res
SUF Sumiainen 0.80 247 P P 11 39 26.0 +0.1
KAF Kangasniemi 1.15 216 P P 11 39 33.5 0.0
KAF comp=2.3, 7nm, 0.2s
KEF Keuruu 1.60 238 P P 11 39 41.1 +0.2
JOF Joensuu 1.63 93 P P 11 39 41.3 -0.1
JOF baz=277
FIAO FINESS Array S 1.79 207 P P 11 40 03.1 -0.3
FIAO FINESS Array B 1.79 207 P P 11 40 03.5 -0.4
FINES comp=2.0, 5nm, 0.3s, baz=37, slow=15, SNR=25
OUF Merijarvi 1.89 316 P P 11 40 09.2
OUL Oulu 2.21 339 P P 11 40 09.0 -0.4
OUL baz=159
OUL Vafsa 2.31 272 P P 11 40 17.7 +0.5
VAF comp=2.7, 4nm, 0.2s

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VJF Virojoki 2.52 182 PG P 11 39 57.1 -0.3
Pernaja 2.66 201 SG S 11 40 29.7 +0.8
Maasela 2.93 10 SG S 11 40 35.6 -1.3
Maasela 2.93 10 SB S 11 40 36.6 +1.4
Riekkii 3.13 16 PB Pn 11 40 02.8 +0.7
KUC comp=Z, 1.5nm, 0.2s
KUE 6.58 353 P P 11 40 41.5
TOF Tornio 3.39 336 PB Pn 11 40 47.6 +1.5
ARBARE Arbavere 3.72 194 SN Pn 11 40 55.2 +0.7
Sodankylä 4.45 354 PN Pn 11 40 21.0 +1.0
ARCES ARCESS Array B 5.58 353 P P 11 40 48.5 -0.8
ARCES comp=2.0, 1nm, 0.3s, baz=167, slow=15, SNR=7.3
ARCES comp=2.0, 1nm, 0.3s, baz=174, slow=12, SNR=5.6
ARCES comp=2.0, 2nm, 0.3s, baz=165, slow=29, SNR=3.4
HFS Hagfors 7.31 253 Pn P 11 40 60.0 +0.6
NORSAR Array B 8.02 263 Pn P 11 41 09.2 0.0

IDC 14 11:46:29.0z.3.1, 8:97Sx156:14E, h0km, mb3.6/4, mb1 3.7/4, mb1mx3.5/30, mbtmp3.6/4, Error ellipse: s-maj=86.7km s-min=30.6km az=107.0, Bougainville-Solomon Islands region

Code Station Name Az AZZ Phase ID Time Res
WRA Warrungarra Arr 23.73 240 Op P 11 51 42.3 -0.8
ASAR Alice Springs 25.80 233 P P 11 52 05.2 +0.5
STKA Stephens Creek 26.49 209 P P 11 52 08.0 -0.1
SONMG Songoing Array 71.60 327 P P 11 57 52.6 +0.2

IDC 14 11:57:40.2z.1.1, 3:56N.126:12E, h0km, mb3.6/4, mb1 3.8/5, mb1mx3.6/40, mbtmp3.7/5, ML4.0/1, Error ellipse: s-maj=83.1km s-min=19.5km az=64.0, Taiwan Islands

Code Station Name Az AZZ Phase ID Time Res
SIJI Sorong 6.77 130 Pn P 11 59 21.5 +0.5
WRA Warrungarra Arr 24.71 161 P P 12 03 04.3 0.0
ASAR Alice Springs 28.11 165 P P 12 03 33.8 -0.2
SONMG Songoing Array 47.27 342 P P 12 06 14.9 -0.6
MKAR Makanchi Array 57.35 326 P P 12 07 30.5 +0.2

IDC 14 12:10:31.1z.3.3, 31:18Nz.119:34W, h0km, mb3.1/2, mb1 3.7/5, mb1mx3.5/44, mbtmp3.3/5, ML3.4/3, Error ellipse: s-maj=49.1km s-min=22.7km az=45.0
ANF 14 12:10:36.2z.0.7, 31:66Nz.119:31W, h10km, ML3.5/27, Error ellipse: s-maj=5.4km s-min=3.8km az=33.0
ISC 14 12:10:34.5z.1.1, 31:5N.0:11:34W.0:07, h10km, n38, r127/15, Off west coast of Baja California

Code Station Name Az AZZ Phase ID Time Res
SC12 San Clemente I 1.64 24 Pn P 12 11 01.9 -1.5
SNCC San Nicolas Is 1.77 355 P P 12 11 02.6 -2.5
CIS Catalina Island 2.07 22 P P 12 11 08.2 -1.1
109C Camp Elliot, M 2.36 53 S Pn 12 11 40.8 -1.5
FMP Fort Macarthur 2.39 21 P P 12 11 12.9 -0.9
BLG Laguna Peak, P 2.63 5 P Pn 12 11 16.0 -1.0
BLG baz=185
MURC Murruti 2.78 40 P Pn 12 11 18.4 -0.8
MURC baz=223, SNR=6.1
MONP2 Monument Peak 2.85 60 P Pn 12 11 19.0 -1.3
DECC Green Verdugo 2.89 17 S S 12 11 53.7 -1.8
SBC Santa Barbara 2.97 354 S Pn 12 11 56.5 -0.8
IKP In-Ko-Pah, Jac 2.98 66 P Pn 12 11 20.8 -1.2
BFSO Mount Baldy Ra 3.09 27 P Pn 12 11 23.3 -0.3
PFO Pinyon Flats O 3.23 48 P S 12 11 55.2 +0.1
SWSC Sam W. Stewart 3.34 63 P Pn 12 11 25.8 -0.9
PKM McPherson Peak 3.42 353 P S 12 11 27.1 -1.0
EDW2 Edwards Air Fo 3.57 18 P Pn 12 11 30.7 +0.6
ARVC Arvin 3.66 7 P Pn 12 11 31.1 -0.1
SMCM Simmer 3.86 352 P Pn 12 11 33.4 -0.6
GL3 Big Chuckwall 3.93 56 S Pn 12 12 20.6 -0.7
BLA Glamis 4.13 67 P Pn 12 11 36.7 -1.0
LRMC Laurel Mtn Rad 4.22 19 P Pn 12 11 39.5 +0.5
ISA Isabella, Lake 4.23 10 P Pn 12 12 37.1 +0.5
GSC Goldstone, Bar 4.36 28 P Pn 12 11 41.7 +0.8
IRM Iron Mountain 4.43 52 P Pn 12 11 42.0 +0.2
IRM baz=236
GRM Granite Mounta 4.51 42 P S 12 12 33.0 +0.2
GMRC baz=225

732

MPMC Manual Prospec 4.82 18 P Pn 12 11 47.9 +0.6
TUQ Turquoise Moun 4.87 35 P Pn 12 11 48.5 +0.5
SHOC Shoshone, Teco 5.09 29 P Pn 12 11 51.9 +1.0
NEE2 Needles Airpor 5.14 49 P Pn 12 11 52.1 +0.5
TPNV Topopah Spring 6.02 24 P Pn 12 12 05.9 +2.1
NVAR Mina Array Bea 6.98 7 Pn Pn 12 12 19.4 +2.4
ELK Elko 9.82 19 Pn Pn 12 12 59.0 +3.0
TXAR Lajitas Array 13.70 95 Pn Pn 12 13 48.5 -0.4
YKA Yellowknife Ar 14.81 268 P P 12 16 55.2 +1.8
ILAR Eielson Array 37.42 341 P P 12 17 47.6 +0.1
H1N3 WAKE ISLAND Hy 66.45 279 T T 13 34 20.0
H1N2 WAKE ISLAND Hy 66.45 279 T T 13 34 20.5
H1N1 WAKE ISLAND Hy 66.47 279 T T 13 34 23.4

ISCJB 14 12:16:15.9z.0.8, 22:45S.0:2:177:5W.0:1, h350km, mb3.6/9, Error ellipse: s-maj=24.4km s-min=14.8km az=149.0
IDC 14 12:16:15.3z.5.4, 22:24Sx177:45W, h328km, 5.2km, mb3.4/9, mb1 3.6/11, mb1mx3.4/29, mbtmp4.1/11, Error ellipse: s-maj=30.1km s-min=21.1km az=156.0
ISC 14 12:16:17.4z.0.8, 22:35S.0:1:177:6W.0:1, h350km, n16, r115/14, mb3.6/8, South of Fiji Islands

Code Station Name Az AZZ Phase ID Time Res
RAO Raoul Island 6.96 182 S P 12 19 04.7 -1.7
DZM Mont Dzumac 14.81 268 P Pn 12 19 30.6 -1.7
URZ Urewera 16.58 195 P P 12 19 47.6 -1.5
PMG Port Moresby 36.23 285 P P 12 22 48.2 +0.3
STKA Stephens Creek 37.41 246 P P 12 22 59.7 +1.4
ASAR Alice Springs 44.53 258 P P 12 23 56.9 +0.9
WRA Warrungarra Arr 44.78 254 P P 12 23 57.8 -0.1
TXAR Lajitas Array 47.67 57 P P 12 28 28.4 +1.0
ILAR Eielson Array 89.94 13 P P 12 28 35.4 -1.6
CMAR Chiang Mai Arr 91.07 289 P P 12 28 45.2 +1.8
YKA Yellowknife Ar 97.94 25 P Pn 12 29 12.2 -1.4
ARCES ARCES Array B 130.72 350 PKP P 12 34 46.5 -0.1
AKASG Malin Array B 144.73 300 PKP P 12 35 11.4 -1.3
BRTR Keskin Array B 148.30 310 PKP P 12 35 23.1 -0.1
GERES GERRS Array B 152.00 344 PKP P 12 35 31.0 -0.5

DDA 14 12:20:31.9, 36:91N.32:11E, h7km, ML2.6
ISK 14 12:20:31.6, 36:84N.32:10E, h12km, ML2.1/5
ISCJB 14 12:20:32.1z.0.7, 36:87N.0:06:32:09E.0:04, h8km, 7km, Error ellipse: s-maj=10.5km s-min=4.3km az=25.4
ISC 14 12:20:31.9z.1.3, 36:92N.0:05:32:15E.0:04, h7km, n11km, r115/13, Turkey

Code Station Name Az AZZ Phase ID Time Res
KEPZ Antalya-Kepez 0.43 268 iP P 12 20 40.0 -0.3
ERMK Ermenek 0.68 114 iP P 12 20 46.2 +0.1
GAZI Gazipasa 0.70 169 iP Pn 12 20 53.2 +5.1
BERE Bereket-Mersin 1.04 123 iS Pn 12 21 02.5 -0.4
KONT Konya-Tatoy 1.04 9 Pn Pn 12 21 03.8 +0.9
SUTC Sutluce-Ispart 1.07 302 Pn Pn 12 21 06.0 -0.1
MERSIN Gulnar 1.34 123 iS Pn 12 21 08.3 -0.3
AKKU Akkuyu-Mersin 1.36 123 Pn Pn 12 21 56.4 -0.9
IKL Isikli 1.41 118 Pn Pn 12 20 58.2 -0.3
KERG Konya-Eregli 1.66 72 iP Pn 12 21 02.5 +0.3

GUC 14 12:26:40.2z.0.4, 36:44S.73:60W, h30km, 2km, ML4.0, Near coast of central Chile

Code Station Name Az AZZ Phase ID Time Res
CCSP San Pedro de C 0.56 135 eP Pn 12 26 50.9 -0.8
CCHI Chillan 1.24 98 eP Pn 12 27 00.7 -0.7
GO05 Hualae0 1.97 44 eS Pn 12 27 12.5 +0.9
TMU Temuco 2.42 161 eP Pn 12 27 18.6 +0.9

NORS 14 12:28:03.8z.0.0, 42:62N.43:99E, h29km, 2km, MPVA2.8
ISC 14 12:28:09.2z.3.4, 42:5N.0:2:43:97E.0:08, h32km, 10km, n4, r0531/8, Western Caucasus

Code Station Name Az AZZ Phase ID Time Res
ZEI Tsey 0.26 348 eP Pn 12 28 10.4 -0.3
LACR Lac Ruc 0.38 39 P Pn 12 28 12.6 +0.2
ONL Oni 0.39 279 P Pn 12 28 11.8 -0.1
DIGR Digorskoe uzhe 0.47 322 eS Pn 12 28 13.8 +0.2

ISC 14 12:30:23.6z.1.6, 50:48N.0:07:43:8E.0:05, h5km, 13km, n8, Belgium

Code Station Name Az AZZ Phase ID Time Res
BGES Gesves 0.11 144 P P 12 30 25.4 -0.5
BCLA Clavier 2.21 105 P P 12 30 27.3 -0.5
BMRD Maredsous 0.22 219 P P 12 30 27.7 -0.3
RCHB Rochefort 0.35 154 P P 12 30 32.4 0.0

Table with columns: STN, Name, Az, El, S, P, Sg, Res. Includes stations like BLCH La Chartreuse, MEM Membach.

MDD 14 12:32:44.8-4.1, 37.03N, 15:53W, h0km, mb4.1/1, Error ellipse: s-maj=34.3km s-min=29.9km az=27.0, PPRXIMO

Main table for 733 with columns: Code, Station Name, Az, El, S, P, Sg, Res. Includes stations like PMAFR Mafra, MESJ Messejana, PVAQ Vaqueiros.

IDC 14 13:24:00.6-3.5, 5.79S, 131.02E, h0km, mb3.6/1, mb1 3.3/3, mb1mx3.2/34, mbtmp3.2/3, ML3.3/2, Error ellipse: s-maj=250.5km s-min=31.9km az=72.0, Banda Sea

Table for IDC 14 13:24:00.6-3.5, 5.79S, 131.02E, h0km, mb3.6/1, mb1 3.3/3, mb1mx3.2/34, mbtmp3.2/3, ML3.3/2, Error ellipse: s-maj=250.5km s-min=31.9km az=72.0, Banda Sea.

IDC 14 13:26:46.4-1.7, 5.54N, 126.60E, h0km, mb3.6/5, mb1 3.7/5, mb1mx3.4/44, mbtmp3.6/5, Error ellipse: s-maj=165.5km s-min=19.5km az=65.0, Mindanao Molucca Sea

Table for IDC 14 13:26:46.4-1.7, 5.54N, 126.60E, h0km, mb3.6/5, mb1 3.7/5, mb1mx3.4/44, mbtmp3.6/5, Error ellipse: s-maj=165.5km s-min=19.5km az=65.0, Mindanao Molucca Sea.

IDC 14 13:37:08.4-1.8, 0.92N, 126.89E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.5/29, mbtmp3.7/4, Error ellipse: s-maj=159.5km s-min=23.9km az=65.0, Northern Molucca Sea

Table for IDC 14 13:37:08.4-1.8, 0.92N, 126.89E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.5/29, mbtmp3.7/4, Error ellipse: s-maj=159.5km s-min=23.9km az=65.0, Northern Molucca Sea.

ISCJB 14 14:07:34.3-0.9, 24.02N, 0.02E, 122.38E, 0.01, h12km, 7km, Error ellipse: s-maj=3.6km s-min=2.2km az=175.5

Table with columns: STN, Name, Az, El, S, P, Sg, Res. Includes stations like YOJ Yonaguni jima, TWC Suao.

IDC 14 14:19:25.9-4.5, 17.39N, 141.55E, h35km, 38km, mb3.3/5, mb1 3.5/8, mb1mx3.3/40, mbtmp3.5/8, ML3.3/3, Error ellipse: s-maj=28.2km s-min=20.0km az=111.0

Main table for 2012 DEC with columns: Code, Station Name, Az, El, S, P, Sg, Res. Includes stations like YOJ Yonaguni jima, TWC Suao, ESL Shilin, EGS Egan, EGFH Guangfu.

IDC 14 14:19:25.9-4.5, 17.39N, 141.55E, h35km, 38km, mb3.3/5, mb1 3.5/8, mb1mx3.3/40, mbtmp3.5/8, ML3.3/3, Error ellipse: s-maj=28.2km s-min=20.0km az=111.0

JMA 14 14:19:25.9-4.5, 17.39N, 141.55E, h35km, 38km, mb3.3/5, mb1 3.5/8, mb1mx3.3/40, mbtmp3.5/8, ML3.3/3, Error ellipse: s-maj=28.2km s-min=20.0km az=111.0

Table for JMA 14 14:19:25.9-4.5, 17.39N, 141.55E, h35km, 38km, mb3.3/5, mb1 3.5/8, mb1mx3.3/40, mbtmp3.5/8, ML3.3/3, Error ellipse: s-maj=28.2km s-min=20.0km az=111.0.

H11N2 WAKE ISLAND Hy 28.16 121 T T 14 54 39.0

Table with columns: STN, Name, Az, El, S, P, Sg, Res. Includes stations like H11N1 WAKE ISLAND Hy 28.17 121 T T, H11N3 WAKE ISLAND Hy 28.18 121 T T.

PRE 14 14:27:50.1-3.1, 4.2573S, 27.57E, h2km, ML2.6, South Africa

Table for PRE 14 14:27:50.1-3.1, 4.2573S, 27.57E, h2km, ML2.6, South Africa. Includes stations like KSR Koster, SLR Silverton, PRYS Parys.

IDC 14 14:31:30.5-999.0, 44.90N, 44.30E, h0km, Error ellipse: s-maj=5016.0km s-min=213.2km az=55.0, Ukraine-Moldova-Southwestern Russia region

Table for IDC 14 14:31:30.5-999.0, 44.90N, 44.30E, h0km, Error ellipse: s-maj=5016.0km s-min=213.2km az=55.0, Ukraine-Moldova-Southwestern Russia region.

NIED 14 14:37:00.38, 30N, 143.70E, h5km, Mw4.0, Best double couple: M1, 0.7000x1015 N1, 0.790000x1, 0.51, 0.0000, 1, -16.00000, NP2, 0.179, 0.00000, 0.78, 0.00000, 2, -140.00000

IDC 14 14:37:49.2-0.7, 39.12N, 144.05E, h0km, mb3.9/13, Mb1 4.1/18, mb1mx4.0/38, mbtmp3.9/18, ML3.6/5, MS3.3/4, Ms1 3.4/3, ms1mx2.8/46, Error ellipse: s-maj=18.8km s-min=14.6km az=123.0

ISCJB 14 14:37:50.4-0.4, 38.23N, 0.00E, 143.77E, 0.03, h14km, mb4.0/15, MS3.8/2, Error ellipse: s-maj=4.9km s-min=3.6km az=156.4

JMA 14 14:37:52.5-0.1, 38.29N, 143.73E, h37km, M4.1, NEIC 14 14:37:54.5-0.5, 38.12N, 143.87E, h35km, mb4.5/3, Error ellipse: s-maj=1.1km s-min=0.7km az=132.0

ISC 14 14:37:52.1-0.6, 38.27N, 0.05E, 143.83E, 0.06, h14km, n66, e200/82, mb4.0/15, Off east coast of Honshu

Main table for 14d 14h with columns: Code, Station Name, Az, El, S, P, Sg, Res. Includes stations like JIKH Ishinomakikobu, OFUJ Ofunato, JKMT Kenennumatoy.

H11N2 WAKE ISLAND Hy 27.23 126 T T 15 11 57.8

14d 16h

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

2012 DEC

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

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

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like LEM, BLSI, KASI, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like LZH, LEM, BLSI, etc.

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

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like W41B Gary Mavity, JTS JuntasAbangare, U41A Viola, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like OBN Obsninsk, MAK Makhachkala, ANN Anapa, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like PERS Pernice, WATA Walderalm, RETA Reutte, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes title: DHMR 14 17:01:15.7±0.8, 14:62N, 42:22E, h3km±152km, ML3.6, Western Arabian Peninsula.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes title: DHMR 14 17:03:43.9±2.3, 14:27N, 42:21E, h8km±35km, ML3.6, Western Arabian Peninsula.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes title: ARO 14 17:09:41.4, 15:15N, 53:42E, h10km±99km, MI3.7, Red Sea.

MAN 14 17:13:16.2, 10:33N, 126:52E, h9km, mb5.0, ML3.9, MS4.0, ISCJB 14 17:13:18.9±0.7, 10:29N, 126:38E, 0.06, h58km, 6km, mb4, 4/36, MS4-7/2, Error ellipse: s-maj=10.4km, s-min=4.5km, az=170.3.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes title: ISC 14 17:13:19.6±0.8, 10:28N, 126:39E, 0.06, h46km±6km, n81, c131/89, mb4.5/36, 3C-2D, Philippine Islands region.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MAJO Matsushiro, PSI Prapat, WRAB Tennant Creek, etc.

DJA 14 17:20:45.8, 0.5, 2'N, 5.12'7E, h195km, 11km, M3.8/3, mb3.9/3, ML3.8/2

IDC 14 17:20:54.7, 1.4, 0.59N, 126.22E, h0km, mb3.6/3, mb1.3/8, mb1mx3.5/30, mbtmp3.6/4, ML3.3/1, Error ellipse: s-maj=46.2km s-min=22.2km az=53.0

ISCJB 14 17:20:58.1, 0.9, 0.7N, 101.126, 24E, 0.05, h44km, mb3.6/3, Error ellipse: s-maj=18.1km s-min=7.2km az=8.7

ISC 14 17:20:59.8, 1.2, 0.8N, 0.1, 126.21E, 0.09, h44km, n12, s=212/13, mb3.7/3, Northern Molouca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KMSI Cibinong, NLAJ Namlea, MPRI Marisa, etc.

GUC 14 17:36:38.0, 0.5, 23.70S, 67.36W, h225km, 11km, ML3.5, 6C-3D, Chile-Argentina border region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PB04 IPOC Station P, PB10 IPOC Station P, etc.

IDC 14 17:37:07.1, 4.7, 20.75S, 178.58W, h600km, 40km, mb3.2/10, mb1.3/4/11, mb1mx3.1/45, mbtmp4.1/11, Error ellipse: s-maj=44.0km s-min=23.2km az=136.0

ISC 14 17:37:04.8, 1.3, 20.8S, 0.3, 178.5W, 0.2, h579km, n17, s=095/18, mb3.7/10, Fiji Islands region

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

IDC 14 17:37:07.8, 0.8, 37.93N, 144.37E, h0km, mb3.5/8, mb1.3/8, mb1mx3.6/53, mbtmp3.6/12, ML3.8/3, Error ellipse: s-maj=22.7km s-min=17.5km az=128.0

ISCJB 14 17:37:10.1, 0.4, 37.98N, 0.04, 144.32E, 0.05, h33km, mb4.2/13, Error ellipse: s-maj=6.6km s-min=4.9km az=159.5

JMA 14 17:37:11.5, 0.3, 38.14N, 144.19E, h45km, M3.9, NEIC 14 17:37:12.7, 0.4, 37.93N, 144.32E, h35km, mb4.7/6, Error ellipse: s-maj=8.0km s-min=7.1km az=111.0

ISC 14 17:37:12.5, 0.6, 38.06N, 0.05, 144.36E, 0.06, h35km, n46, s=6205/55, mb4.1/13, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, OFJU Ofunato, JKMT Kesennumototy, etc.

ASAJ Ashikawa 6.19 348 Pn 17 38 40.1 -1.2

ASAJ Ashikawa 6.19 348 Pn 17 38 48.1 -2.8

ASAJ Ashikawa 6.19 348 Pn 17 38 41.3 0.0

ASAJ Ashikawa 6.19 348 Pn 17 38 49.3 -1.6

ASAJ Ashikawa 6.19 348 Pn 17 38 44.7 -0.8

ASAJ Ashikawa 6.19 348 Pn 17 38 46.0 -2.5

ASAJ Ashikawa 6.19 348 Pn 17 38 49.7 +0.3

ASAJ Ashikawa 6.19 348 Pn 17 38 50.2 +0.7

ASAJ Ashikawa 6.19 348 Pn 17 38 49.3 -1.6

ASAJ Ashikawa 6.19 348 Pn 17 38 44.7 -0.8

ASAJ Ashikawa 6.19 348 Pn 17 38 46.0 -2.5

ASAJ Ashikawa 6.19 348 Pn 17 38 49.7 +0.3

ASAJ Ashikawa 6.19 348 Pn 17 38 50.2 +0.7

ASAJ Ashikawa 6.19 348 Pn 17 38 49.3 -1.6

ASAJ Ashikawa 6.19 348 Pn 17 38 44.7 -0.8

ASAJ Ashikawa 6.19 348 Pn 17 38 46.0 -2.5

ASAJ Ashikawa 6.19 348 Pn 17 38 49.7 +0.3

ASAJ Ashikawa 6.19 348 Pn 17 38 50.2 +0.7

ASAJ Ashikawa 6.19 348 Pn 17 38 49.3 -1.6

ASAJ Ashikawa 6.19 348 Pn 17 38 44.7 -0.8

ASAJ Ashikawa 6.19 348 Pn 17 38 46.0 -2.5

ISCJB 14 17:39:55.2, 0.7, 31.43N, 0.04, 119.45W, 0.04, h10km, mb3.8/8, Error ellipse: s-maj=5.4km s-min=4.8km az=35.1

ANF 14 17:39:57.5, 0.6, 31.59N, 119.36W, ML3.6/24, Error ellipse: s-maj=5.8km s-min=3.9km az=42.0

ISC 14 17:39:55.1, 1.0, 31.34N, 0.08, 119.52W, 0.06, h10km, n47, s=1947/55, mb3.9/8, Off west coast of Baja California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SC12 San Clemente I, SNCC San Nicolas Is, CIS Catalina Islan, etc.

IDC 14 17:46:39.6, 0.5, 5.24S, 153.48E, h0km, mb4.3/20, mb1.4/2/1, mb1mx4.4/30, mbtmp4.3/21, ML2.4/1, MS4.1/1, Ms1.4/1, ms1mx3.3/28, Error ellipse: s-maj=18.3km s-min=12.9km az=86.0

BUI 14 17:46:41.8, 5.1, 17S, 153.95E, h32km, mb4.8/34, mb5.4/17, Ms5.1/10, Ms7.4/8/10

ISCJB 14 17:46:42.6, 0.2, 5.28S, 0.03, 153.43E, 0.04, h31km, s=91m, 9.9km az=8.6

NEIC 14 17:46:45.0, 0.8, 5.27S, 153.40E, h39km, 7km, mb5.1/70, Error ellipse: s-maj=5.5km s-min=4.2km az=84.0

ISC 14 17:46:41.3, 1.1, 5.31S, 0.05, 153.48E, 0.05, h9km, n62km, n163, s=1947/166, mb5.0/96, New Ireland region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RABL Rabaul, ANU Manus Island, PMG Port Moresby, etc.

IDC 14 17:39:52.0, 1.5, 31.06N, 119.69W, h0km, mb4.0/8, mb1.3/9/13, mb1mx3.8/47, mbtmp3.8/13, ML3.2/5, Error ellipse: s-maj=24.5km s-min=21.6km az=19.0

Table with columns: Station Name, Time, Res, and various codes. Includes stations like KWAJ, EIDS, GUMO, DZM, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like GTA, ULN, SONAO, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like TOA1, Torodi Ar. Sit, etc.

14d 20h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like E41A Kenton, E43A Lone Tree Farm, E42A Champion, etc.

2012 DEC

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KMRM Mail Ridge, M02C Callahan, YBH Yreka Blue Hor, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BOSA Boshof, KSRB Korea Array, KSAR Sausalito Array, etc.

WEL 14 19:33:11.1±1.5, 37°S; 24°17'W; 14h, h33km, ML3.7/13,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MXZ Matakaoa Point, WMMG Waiomatatini S, etc.

MAN 14 19:36:18.7, 12°21'N; 122°10'E, h6km, mb4.3, ML3.2, MS2.9,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like OTRP Odiangon, RCP Roxas, SJMP San Jose, etc.

ISCJB 14 19:56:20.4±0.6, 6°26'S; 0°05'128.50'E; 0°08', h300km,

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

MAN 14 19:59:55.7, 9°8'N; 125°15'E, h26km, mb4.1, ML2.9, MS2.5,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MSLP Maasin, SCPH Surigao, BUTP Butuan, etc.

ARO 14 20:06:06.2, 15°N; 50°4'2E; 10°10', h15km, 99km, MI3.9,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes station ARO Red Sea.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TRBA At Turbah, MAOD Malabo, OBO Oboko, etc.

IDC 14 20:11:49.6-1.6, 30S-128.84E, h326km, 18km, mb3.0/1, m1 3.4/5, mb1mx2.9/39, mbtmp4.0/5, Error ellipse: s-maj=26.1km s-min=12.4km az=83.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIJI Sorong, BATI Baumata, WRA Warramunga Arr, etc.

IS/CJB 14 20:14:00.0-0.6, 31.64S-02.02689W, 0.03, h123km, 6km, Error ellipse: s-maj=4.9km s-min=3.8km az=22.1, GUC 14 20:14:01.0-0.6, 31.73S-70.47W, h146km, 4km, ML3.0, SJA 14 20:14:01.3-1.1, 31.63S-69.89W, h110km, 5km, ML3.0, MW3.3

ISC 14 20:14:01.2-1.5, 31.65S-0.03-69.90W, 0.03, h122km, 10km, n30, 0386/54, 1C-1D, San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RTL5 Leoncito, AUSP Uspallata, ZON Zonda, etc.

ISC 14 20:25:58.3-1.0, 7.22S-144.17E, h0km, mb3.8/6, m1 3.9/9, mb1mx3.795, mbtmp3.7/9, ML3.42, Error ellipse: s-maj=29.5km s-min=22.4km az=65.0, IS/CJB 14 20:26:01.5-0.5, 7.32S-0.05-144.00E-0.06, h35km, mb4.0/8, Error ellipse: s-maj=9.4km s-min=7.0km az=156.7

NEIC 14 20:26:03.8-0.5, 7.30S-143.96E, h35km, mb4.1/5, Error ellipse: s-maj=12.8km s-min=7.3km az=91.0, ISC 14 20:26:03.0-0.7, 7.18S-0.07-144.14E, 0.08, h35km, n24, a197/28, mb3.9/8, Near south coast of New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMG Port Moresby, COEN Coen, WRAB Tennant Creek, etc.

ISC 14 20:26:03.0-0.7, 7.18S-0.07-144.14E, 0.08, h35km, n24, a197/28, mb3.9/8, Near south coast of New Guinea

MAN 14 20:27:13.0, 15.59N-123.65E, h17km, mb4.2, ML3.0, MS2.7, 1C-1D, Luzon

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PVCP Virac, AUQP San Andres, GOP Guinayanang, etc.

ISC 14 20:19:40.0-0.0, 37.52N-141.94E, h0km, mb3.6/11, m1 3.8/15, mb1mx3.6/68, mbtmp3.6/15, ML3.5/3, Error ellipse: s-maj=20.9km s-min=18.0km az=146.0, IS/CJB 14 20:19:41.1-1.0, 37.43N-0.04-142.02E, 0.05, h20km, 6km, mb3.6/11, Error ellipse: s-maj=7.6km s-min=5.8km az=30.3

JMA 14 20:19:42.0-0.1, 37.43N-141.96E, h24km, 2km, M4.1, ISC 14 20:19:41.8-1.7, 37.49N-0.04-141.93E, 0.06, h12km, 10km, n32, c098/38, mb3.7/11, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JFK Kawauchi, JFK Ishinomakikobu, JMM Marumori, etc.

NIED 14 20:19:00.37-40N-142.00E, h5km, Mw3.7, Best double couple: M3.400N-1014 NP1:0.211, 0.00000, 337.00000, 1-139.00000, NP2:0.86, 0.00000, 867.00000, 1-61.00000

ISC 14 20:37:16.9-0.4, 38.68N-142.35E, 0.04, h38km, 1km, MW4.9/57, Moment Tensor Solution, s33:c36; s57:c83; Duration: 0, Moment tensor: Scale 1016Nm; M2.64; 1.7; Mw=1.65; 10; Mw=0.99; 12; Mw=1.02; 09; Mw=1.16; 07; Mw=1.35; 09; Best double couple: M3.08700x1016 NP1:0.225, 0.00000, 862.00000, 182.00000, NP2:0.60, 0.00000, 829.00000, 104.00000, Principal axes: T 3.1700, P1g7.020000, Azm117.00000; N -0.1720, P1g7.00000, Azm228.00000; P -3.0040, P1g16.00000, Azm320.00000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MOS 14 20:37:16.3-0.9, 38.87N-142.35E, h36km, mb5.0/70, MS4.0/18, Error ellipse: s-maj=6.3km s-min=4.2km az=87.4, IS/CJB 14 20:37:17.3-0.3, 38.70N-142.34E, 0.03, h50km, 3km, mb4.8/175, MS4.1/35, Error ellipse: s-maj=4.4km s-min=2.9km az=149.0, NEIC 14 20:37:18.9-0.4, 38.66N-142.30E, h54km, 3km, mb4.8/123, Error ellipse: s-maj=4.0km s-min=2.8km az=144.0, NEIC Recorded [2 JMA] in Iwate and Miyagi, BUJ 14 20:37:18.3, 38.67N-142.15E, h54km, mb4.7/61, MB5.1/34, MS4.4/45, MS7.4/243

ISC 14 20:37:18.3-0.3, 38.64N-142.37E, h53km, 16km, mb4.3/30, mb1.4/37, mb1mx4.3/49, mbtmp4.5/37, ML4.1/7, MS4.0/28, Ms1.4/28, ms1mx3.9/45, Error ellipse: s-maj=13.1km s-min=9.3km az=110.0, ISC 14 20:37:16.3-0.3, 38.64N-142.34E, 0.04, h35km, 3km, n554, c1947/574, mb4.8/186, MS4.2/36, 24C-14D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OFUJ Ofunato, JKMT Kesennumototy, JIKH Ishinomakikobu, etc.

ISC 14 20:37:16.9-0.4, 38.68N-142.35E, 0.04, h38km, 1km, MW4.9/57, Moment Tensor Solution, s33:c36; s57:c83; Duration: 0, Moment tensor: Scale 1016Nm; M2.64; 1.7; Mw=1.65; 10; Mw=0.99; 12; Mw=1.02; 09; Mw=1.16; 07; Mw=1.35; 09; Best double couple: M3.08700x1016 NP1:0.225, 0.00000, 862.00000, 182.00000, NP2:0.60, 0.00000, 829.00000, 104.00000, Principal axes: T 3.1700, P1g7.020000, Azm117.00000; N -0.1720, P1g7.00000, Azm228.00000; P -3.0040, P1g16.00000, Azm320.00000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: JIO Ouri, JFT Otama, JOU Okura, JMK Ichinoseki, etc.

Table with columns: MJAR Matsuhiro, MAT Matsuhiro, JHJ Hachiojima 2, etc.

Table with columns: ASAJ Asahikawa, USRK Utsunishiyak Arr, SONM Songino Array, etc.

Table with columns: H1N2 WAKE ISLAND Hy 28.03 122, H1N1 WAKE ISLAND Hy 28.07 122, H1N3 WAKE ISLAND Hy 28.05 122, etc.

Table with columns: H1S1 WAKE ISLAND Hy 28.77 124, H1S3 WAKE ISLAND Hy 28.77 124, H1S2 WAKE ISLAND Hy 28.78 124, etc.

Table with columns: H12V Zalesovo Beam 41.92 312, MKAR Makanchi Array 44.23 302, ILAR Eielson Array 48.89 333, etc.

Table with columns: WRA Warramunga Arr 57.15 188, YKA Yellowknife Arr 63.21 30, NOA NORFOLK Island B 73.93 32, etc.

Table with columns: AKASG Malin Array Be 74.19 322, NVAR Narvik Array Be 74.39 32, PDAR Pinedale Array 77.06 46, etc.

Table with columns: MAJO Matsuhiro, MAJO Matsuhiro, MAJO Matsuhiro, etc.

Table with columns: MJAR Matsuhiro, MAJO Matsuhiro, MAJO Matsuhiro, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GCMT 14 20:37:16.9-0.4, 38.68N-142.35E, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MOS 14 20:37:16.3-0.9, 38.87N-142.35E, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IS/CJB 14 20:37:17.3-0.3, 38.70N-142.34E, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NEIC 14 20:37:18.9-0.4, 38.66N-142.30E, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUJ 14 20:37:18.3, 38.67N-142.15E, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OFUJ Ofunato, JKMT Kesennumototy, etc.

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

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYK Kaneyama, JFK Kawauchi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ERM Erimo, ERM Matsuhiro Arr, etc.

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

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

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

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

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

14d 20h

Table with columns for station name, frequency, power, and signal strength. Includes stations like KUR, TEY, YSS, VLA, USRK, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like YAK, GUMO, SEY, SEY, BOD, ULN, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like WMQ, ZAA, ZAA1, ZAA1, ZALV, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KKAR, BTBK, BESE, SVE, NIL, LEM, ABKAR, KBL, WRAB, WB2, WR1, WRA, RES, LVZ, YKA, YKBS, AS01, AS31, ASAR, AR0A, AR0B, AR0C, KLMR, GEYT, GYAO, DAG, DZM, D03D, D06D, MOS, I03D, OBN, K02D, I04A, FIA0, FINE, FINES, C09A, I05D, J04D, NEW, L04D, M02C, E09A, SUMG, N02D, M04C, O03E, MOD, STKA, STKA, STKA, BMO, BMO, J08A, KIV, KIV.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KBZ, KBZ, ORV, ORV, WVOR, MSO, BEKR, AKH, FFC, FFC, MFID, PAHR, FCC, FCC, HMY, CMB, LRM, YERR, EGMT, DLMT, HLID, HLID, BMN, BOZ, BOZ, BOZ, NB2, NB2, NB200, NB200, NOA, RYN, KVN, KVN, KVN, NV01, NVAR, NVAR, NV11, AKASO, AKASO, AKAB, KIEV, KIEV, KIEV, YHH, H17A, H17A, FXWY, RLMT, RLMT, MOOW, CWC, HVU, HVU, GRAC, LOHW, REDW, DAC, DAC, DAC, R11A, R11A, LAO, LAO, LAO, MPMC, FURC, TPNV, TPNV, TPNV, EDW2, DUG, DUG, DUG, DUG, TCUT, BW06, BW06, PD31, PDAR, PDAR, PDAR, SHOC, SHOC.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NLU, MPU, SHPR, HEC, CCUT, TMUT, GMRC, P17A, LCMT, MTPU, Q16A, BELC, BUR08, BUR04, BURAR, BIZ, KNB, KNB, ULM, ULM, K22A, MDND, SRU, SRU, CFR, CFR, IRM, VRI, VRI, RSSD, RSSD, RSSD, BC3, PLOA, PLOA, W13A, OJC, OJC, SWSC, U15A, BR101, BR101, BR101, TRPA, TRPA, MLR, MLR, PV09, PV21, PV23, PV10, PV14, PV22, PV20, PV19, PV17, PV16, PV11, PV05, PV18, PV03, PV13, MORC, MORC, MORC, YVHS, ISCO, ISCO, CLL, CLL, CLL, MVEC, X16A, VRAC, GZR, GZR, KRUC, S22A, S22A, RAYN, RAYN, RAYN, Q24A, EYMN, CONA, KHC, KHC, KHC, GEC2, GEC2.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Ashikaga, JAG, JOT, JRY, etc.

ADC 14 22:00:38.0-6.4, 34:39N-23:89E, h0km, mb4.2/20, mb1.4/230, mb1mx4.0/66, mbtmp4.1/30, ML3.6/9, MS3.6/8, Ms1.3/6.8, ms1mx3.1/46, Error ellipse: s-maj=14.4km s-min=1.2km az=161.0

ISCJB 14 22:00:40.3-0.7, 34:27N-02:23:94E-0.03, h22km, 5km, mb4.2/32, MS3.6/1, Error ellipse: s-maj=4.1km s-min=3.3km az=22.2

ATH 14 22:00:41.2, 34:40N-23:88E, h16km, 2km, ML3.7/7, Error ellipse: s-maj=4.9km s-min=1.7km az=28.0

HLW 14 22:00:41.9, 34:38N-24:30E, h9km, 16km, Md3.7, M3.6 NEIC 14 22:00:43.2-1.2, 34:37N-23:95E, h30km, 9km, mb4.1/15, ML3.7(7HE), Error ellipse: s-maj=5.8km s-min=3.5km az=195.0

THE 14 22:00:43.9, 34:53N-23:99E, h0km, 3km, ML3.7/4, Error ellipse: s-maj=5.1km s-min=1.6km az=210.0

ISC 14 22:00:41.6-0.8, 34:37N-02:23:95E-0.03, h20km, 3km, n197, r163/212, mb4.2/32, 6C-2D, Crete

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Gavdhos, BR131, BRTR, etc.

Main table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DAT, DATT, DALL, etc.

Main table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like TIC, KIC, LAMTO, etc.

ADC 14 22:05:39.7-1.0, 34:29N-23:89E, h0km, mb3.9/7, mb1.3/8/12, mb1mx3.6/51, mbtmp3.7/12, ML3.4/5, Error ellipse: s-maj=24.1km s-min=15.7km az=136.0

ISCJB 14 22:05:41.1-1.4, 34:34N-0:07:23:83E-0.07, h20km, 10km, mb3.9/7, Error ellipse: s-maj=11.4km s-min=10.1km az=28.9

ATH 14 22:05:45.8, 34:62N-23:94E, h22km, 3km, ML3.2/4, Error ellipse: s-maj=10.5km s-min=2.2km az=22.0

THE 14 22:05:45.4, 34:59N-23:89E, h0km, 6km, ML3.2/4, Error ellipse: s-maj=8.5km s-min=2.0km az=207.0

ISC 14 22:05:41.4-1.7, 34:37N-02:23:90E-0.05, h12km, 10km, n221, r194/39, mb3.9/7, Crete

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Gavdhos, GVD, GVD, etc.

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Table with columns: IAZ, Nazwa, Dubai, 78.97 297, P, P, 22 49 13.4 +0.8, etc.

UCR 14 22:46:40.41, 9, 8.93N, 84.02W, h0km, 4km, MD4.2, 1D, Off coast of Costa Rica

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

ARO 14 22:47:58.1, 16°N, 38°42'E, 10°0, h15km, 99km, M3.8

ISC 14 22:47:49.7, 4.9, 15.6N, 02.42E, 1.0, h10km, n18, e1910/21, Western Arabian Peninsula

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

ISC 14 23:01:57.4, 8.7, 14.20S, 167.13E, h152km, 79km, mb3.5/3, mb1 3.6/4, mb1mx3.3/28, mbtmp3.9/4, Error ellipse: s-maj=68.4km s-min=42.5km az=172.0, Vanuatu Islands

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

ISCJB 14 23:02:59.7, 0.2, 50.81N, 0.02, 0.63W, 0.02, h10km, Error ellipse: s-maj=2.6km s-min=1.7km az=40.1

LDG 14 23:03:02.5, 0.1, 50.98N, 0.83W, h10km, M4.3/3, M3.4/5.3, Error ellipse: s-maj=1.5km s-min=1.1km az=46.0

BGS 14 23:03:03.6, 1.2, 50.96N, 0.82W, h9km, 5km, ML3.0

ISC 14 23:03:00.1, 0.7, 50.92N, 0.02, 0.76W, 0.02, h10km, n85, e1711/145, 2D, United Kingdom

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

2012 DEC

Main table with columns: Station Name, Az, Phase ID, Time, Res, etc.

14d 23h

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Badra, Kafar-mosalman, Shooshtar-Gavs, etc.

IDC 15:00:59.54.2.1.6, 1.27S:127.34E, h0km, mb3.4/2, mb1 3.8/4, mb1mx3.5/35, mbtmp3.6/4, ML3.8/2, Error ellipse: s-maj=44.5km s-min=26.7km az=63.0, Halimahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Sorong, Warramunga Arr, Alice Springs, etc.

ISCJB 15:01:03.37.7.0.2, 8.75S:120.32E, 0.03, h150km, mb4.4/38, Error ellipse: s-maj=5.1km s-min=3.3km az=29.0

BJI 15:01:03.37.5.8, 61S:120.47E, h129km, mb4.7/27, mb4.8/13, IDC 15:01:03.38.3.1.9, 8.64S:120.31E, h134km, 1.8km, mb4.0/11, mb1 4.2/15, mb1mx4.0/35, mbtmp4.5/15, MS2.7/1, Ms1 2.7/1, ms1mx2.4/28, Error ellipse: s-maj=23.0km s-min=11.7km az=58.0

NEIC 15:01:03.38.0.0.5, 8.73S:120.29E, h138km, 4km, mb4.5/19, Error ellipse: s-maj=6.8km s-min=3.8km az=220.0, DJA 15:01:03.39.6.0.2, 9.3S:12.0E, h137km, 3km, M4.7/20, mb4.7/20, mb5.2/4, MLV4.7/13, MW(m)B4.6/4

ISC 15:01:03.38.9.0.3, 8.80S:120.38E, 0.05, h150km, n111, g211/123, mb4.5/38, 2C, Flores region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Ende, Flores, Baing, Sumba, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Kota Agung, MDSI, WRA, WRR, WRA, WRR, WRA, WRR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include Villa Florida, CPUP, LVC, NNA, ESPN, etc.

IDC 15:01:15.11.2.1.7, 6.97S:128.22E, h0km, mb3.6/1, mb1 3.9/4, mb1mx3.6/24, mbtmp3.8/4, ML3.9/3, Error ellipse: s-maj=54.6km s-min=28.8km az=77.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include Sorong, WRA, WRA, WRA, WRA, WRA, etc.

ISCJB 15:01:57.13.7.0.5, 50.30N:103.187E, 0.03, h0km, mb3.6/1, mb1 3.9/4, mb1mx3.6/24, mbtmp3.8/4, ML3.9/3, Error ellipse: s-maj=54.6km s-min=28.8km az=77.0, Banda Sea

WAR 15:01:57.15.5.50, 36N:18.86E, h1km, Mw2.7, PRU 15:01:57.15.1.0.0, 50.33N:18.78E, h0km, ISC 15:01:57.14.9.0.8, 50.30N:104.16E, h77E, 0.02, h0km, n24, g051/48, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include Chorow, Chorzow, Chorzow, Ostrava-Krasne, etc.

ISCJB 15:02:08.22.5.0.3, 13.67N:92.16W, h20km, MD3.9, Off coast of Chiapas

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

ISCJB 15:02:33.47.4.0.9, 69.1N:0.165W, 0.4, h10km, mb3.4/3, Error ellipse: s-maj=18.2km s-min=14.5km az=173.9, IDC 15:02:33.47.8.1.4, 69.07N:16.46W, h0km, mb3.5/3, mb1 3.9/5, mb1mx3.4/44, mbtmp3.8/5, ML3.6/2, Error ellipse: s-maj=36.5km s-min=24.4km az=58.0

ISC 15:02:33.49.3.1.1, 69.11N:0.09, h16W, 0.1, h10km, n6, g057/6, mb3.5/3, Jan Mayen Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include THIG, THIG, THIG, PCIG, PCIG, etc.

IDC 15:02:40.05.2.2.5, 13.40S:179.23W, h0km, mb3.8/5, mb1 4.2/5, mb1mx3.8/41, mbtmp3.8/5, MS3.7/10, Mb1 3.7/10, ms1mx3.4/29, Error ellipse: s-maj=257.1km s-min=23.0km az=153.0, Fiji Islands region

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

Table with columns: ILAR, Eielson Array, 81.70 13 LR, LR, 03 22 27.5, etc.

KRSC 15 02:41:01.7:0.9,53.31N,160.56E,h46km,gkm,ML3.5, Near east coast of Kamchatka Peninsula

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

NEIC 15 02:45:53.0:0.0,6:52N,94:98W,h19km,MD4.1(MEX), After MEX

MEX 15 02:45:53.0:0.7,16:52N,94:98W,h19km,28km,MD4.1, Oaxaca

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

UCR 15 02:53:14.0:1.5,12:85N,90:19W,h19km,6km,ML3.9, mb4.2(NEIC)

ISCJB 15 02:53:16.1:0.8,12:89N,0:06-90:06W,0:05,h66km,gkm, mb4.1/15, Error ellipse: s-maj=12.6km s-min=4.8km az=40.2

IDC 15 02:53:17.9:2.0,13:00N,89:90W,h59km,15km,mb3.7/7, mb1.4/0/1,mb1mx3.7/37,mbmp4.0/11,MS3.3/4, Ms1 3.3/4,ms1mx3.0/31, Error ellipse: s-maj=28.1km s-min=9.8km az=45.0

NEIC 15 02:53:18.9:1.1,13:07N,89:89W,h64km,9km,mb4.2/10, MD3.9(SNET), Error ellipse: s-maj=17.4km s-min=7.2km az=217.0

NEIC Felt [I] at San Salvador, ISC 15 02:53:17.5:1.4,12:90N,0:08-90:05W,0:07,h64km,12km, n68, r139777,mb4.2/15,5C, Off coast of central America

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

Table with columns: JTS, JuntasAbangere, 5.63 117 eP, Sn, 02 55 39.2 -2.9, etc.

Table with columns: CMIG, Matias Romero, 6.26 312 P, Pn, 02 54 46.9 -0.3, etc.

Table with columns: CMIG, Matias Romero, 6.26 312 P, Sn, 02 55 57.8 +0.3, etc.

Table with columns: URSC, Urasca, 6.87 116 eP, Pn, 02 54 57.5 +1.7, etc.

Table with columns: URSC, Urasca, 6.87 116 eP, Pn, 02 54 57.5 +1.7, etc.

Table with columns: URSC, Urasca, 6.87 116 eP, Pn, 02 54 57.5 +1.7, etc.

Table with columns: URSC, Urasca, 6.87 116 eP, Pn, 02 54 57.5 +1.7, etc.

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Table with columns: URSC, Urasca, 6.87 116 eP, Pn, 02 54 57.5 +1.7, etc.

Table with columns: URSC, Urasca, 6.87 116 eP, Pn, 02 54 57.5 +1.7, etc.

Table with columns: SONM, Songoing Array, 41.14 339 P, P, 03 24 57.8 +0.1, etc.

Table with columns: NWAO, Norrogin (SRO), 43.78 191 eP, P, 03 25 20.6 +1.5, etc.

Table with columns: MK01, Makanchi Array, 52.16 323 eP, P, 03 26 23.2 -0.7, etc.

Table with columns: MK31, Makanchi Array, 52.18 323 eP, P, 03 26 23.1 -0.9, etc.

Table with columns: MK32, Makanchi Array, 52.18 323 eP, P, 03 26 23.1 -0.9, etc.

Table with columns: MK32, Makanchi Array, 52.18 323 eP, P, 03 26 23.1 -0.9, etc.

Table with columns: MKAR, Makanchi Array, 52.18 323 P, P, 03 26 23.1 -0.9, etc.

Table with columns: MKAR, Makanchi Array, 52.18 323 P, P, 03 26 23.1 -0.9, etc.

Table with columns: MKAR, Makanchi Array, 52.18 323 P, P, 03 26 23.1 -0.9, etc.

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Table with columns: MKAR, Makanchi Array, 52.18 323 P, P, 03 26 23.1 -0.9, etc.

Table with columns: MKAR, Makanchi Array, 52.18 323 P, P, 03 26 23.1 -0.9, etc.

IDC 15 02:59:32.9:1.9,6:03S,131:88E,h240km,51km,mb2.9/1, mb1 3.0/4,mb1mx2.8/22,mbtmp3.5/4, Error ellipse: s-maj=246.8km s-min=16.4km az=78.0, Tanimbar

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

MAN 15 03:10:54.5,10:20N,126:35E,h26km,mb4.5,ML3.4, MS3.2,2C-1D,Philippine Islands region

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

IDC 15 03:17:11.5:0.8,10:20N,126:29E,h0km,mb3.9/10, mb1 4.1/10,mb1mx3.9/34,mbtmp3.9/10,MS3.1/3, Ms1 3.1/3,ms1mx2.6/34, Error ellipse: s-maj=48.2km s-min=18.0km az=75.0

NEIC 15 03:17:14.2,10:35N,126:53E,h9km,mb4.8,ML3.7,MS3.6, MAN 15 03:17:16.7:0.3,10:20N,126:27E,h35km,mb4.2/5, Error ellipse: s-maj=15.0km s-min=6.0km az=72.0

ISC 15 03:17:16.5:1.5,10:20N,0:05-126:44E,0:07,h33km,6km, n46, r1948/49,mb3.8/15,2C-1D,Philippine Islands

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

IDC 15 03:33:46.1:4.7,5:21S,134:21E,h0km,mb3.3/1, mb1 3.7/4,mb1mx3.4/27,mbtmp3.5/4,ML3.5/3,MS3.5/1, Ms1 3.5/1,ms1mx2.5/17, Error ellipse: s-maj=219.3km s-min=28.1km az=75.0, Aru Islands region

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

IDC 15 03:47:52.6:5.7,35:69N,69:54E,h83km,42km,mb3.7/9, mb1 3.8/12,mb1mx3.4/48,mbtmp4.1/12, Error ellipse: s-maj=52.0km s-min=27.8km az=162.0

ISCJB 15 03:47:56.9:0.5,36:18N,0:04-69:46E,0:05,h112km, mb4.0/1, Error ellipse: s-maj=6.6km s-min=4.7km az=154.2

NNC 15 03:48:01.9:1.3,36:60N,69:21E,h105km,15km,mb3.7, mpv4.2, Error ellipse: s-maj=12.8km s-min=6.5km az=160.0

ISC 15 03:47:56.8:0.6,36:13N,0:06-69:45E,0:05,h112km, n49, r2863/61,13C-6D,Hindu Kush region

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

15d 4h

2012 DEC

756

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WHN, GUMO, YAK, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like QIZ, BILL, KMI, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like RDOG, SHL, SBUM, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like RWYY Rawlins, RSWY Black Hills, and various local and regional stations.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SMOL Paradox Valley, KRUC Moravsky, and various regional stations.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like FUR Furstenfeldbru, MEM Membach, and various regional stations.

15d 4h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like A05A Maple Falls, D03D Eldon, B05A Bryant, etc.

2012 DEC

Table with columns for call sign, frequency, power, and other technical details. Includes stations like NJ2 Nanjing, NJ2 Nanjing, NJ2 Nanjing, etc.

762

Table with columns for call sign, frequency, power, and other technical details. Includes stations like WHN comp=2.9um,14.9s, WHN comp=2.5um,14.1s, WHN comp=2.9um,23.3s, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like BOAC Boac, ECSD EROS Data Cent, T25A Trinidad, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like KMI comp=Z,2um,16.2s, CUYO Cuyo Island, I39A Houston, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like K41A Shullsburg, D46A Sault Ste. Mari, MOR8 Moi Rana, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like N43A, N43B, N43C, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like O44A, AML, I49A, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like U41A, M48A, L49A, etc.

15d 4h

Table with columns: LATO, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like La Tuque, Shillong, Silchar, etc.

2012 DEC

Table with columns: VSU, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Vasula, NORSAR Array B, etc.

766

Table with columns: R51A, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Hillsboro, Richmond, etc.

U51A	La Follette	68.70	58	P	P	05 00 30.3	-0.5
APSI	Ampana	68.74	238	P	P	05 00 31.8	+0.6
KSPA	Keystone Cole	68.78	49	eP	P	05 00 30.6	-0.6
TRY	Troy	68.81	47	eP	P	05 00 31.2	-0.1
245A	Little AP Sta	68.82	65	P	P	05 00 31.7	+0.1
TZTN	Tazewell	68.82	58	eP	P	05 00 31.3	-0.3
TZTN	Tazewell	68.82	58	P	P	05 00 31.7	+0.1
146A	Union	68.83	64	eP	P	05 00 31.6	0.0
146A	Union	68.83	64	P	P	05 00 31.4	-0.3
KOLN	Koldanda	68.83	288	eP	P	05 00 31.8	-0.2
X49A	Woodville	68.90	61	P	P	05 00 31.1	-1.0
Y48A	Jasper	68.90	62	P	P	05 00 30.6	-1.5
W50A	Signal Mountai	68.92	60	eP	P	05 00 31.3	-0.9
W50A	Signal Mountai	68.92	60	P	P	05 00 31.3	-0.9
PYUN	Pluthan	68.94	289	eP	P	05 00 32.4	-0.3
Z47A	Carrollton	68.95	63	P	P	05 00 31.6	-0.8
LPSR	Galich'ya Gora	68.96	333	eP	pmx	05 00 32.8	+0.7
V51A	Loudon	68.97	59	eP	P	05 00 31.9	-0.6
V51A	Loudon	68.97	59	P	P	05 00 31.5	-1.0
U52A	Thorn Hill	69.03	57	P	P	05 00 32.6	-0.3
WVL	Waterville	69.09	43	eP	P	05 00 33.2	+0.1
Z48A	Northport	69.10	62	P	P	05 00 32.1	-1.2
FFD	Franklin Falls	69.12	45	eP	P	05 00 33.6	+0.3
IZAR	Zarasai	69.14	341	eP	IAMB	05 00 33.3	+0.1
CPCT	Cooper Cave	69.15	59	eP	P	05 00 32.9	-0.7
HOMB	Homborsund	69.22	352	eP	P	05 00 35.1	+1.4
147A	Livingston	69.24	63	eP	P	05 00 33.6	-0.5
147A	Livingston	69.24	63	P	P	05 00 33.6	-0.5
W51A	Cleveland	69.24	59	P	P	05 00 33.3	-0.9
SNART	Snartemo	69.26	353	eP	P	05 00 34.5	+0.6
N59A	State Game Lan	69.28	50	eP	P	05 00 33.6	-0.7
N59A	State Game Lan	69.28	50	P	P	05 00 33.4	-1.0
X50B	Fort Payne	69.30	60	P	P	05 00 33.6	-1.0
ISAL	Salakas	69.33	341	eP	IAMB	05 00 34.5	+0.2
V52A	Sevierville	69.33	58	eP	P	05 00 34.3	-0.5
V52A	Sevierville	69.33	58	P	P	05 00 34.6	-0.2
Y49A	Blount Mountai	69.35	61	eP	P	05 00 33.8	-1.2
Y49A	Blount Mountai	69.35	61	P	P	05 00 34.0	-0.9
PAGS	Pennsylvania G	69.37	51	eP	P	05 00 33.4	-1.5
VRH	Novokhoporsk	69.37	330	eP	pmx	05 00 35.1	+0.4
VRH	Novokhoporsk	69.37	330	pmx	pmx		
VRH	Novokhoporsk	69.37	330	pmx	pmx		
TKL	Tuckaleechee C	69.38	58	eP	P	05 00 34.5	-0.6
TKL	Tuckaleechee C	69.38	58	eP	pmx	05 00 34.5	-0.6
IDID	Didziasalis	69.45	341	eP	IAMB	05 00 35.3	+0.2
U53A	Fall Branch	69.46	57	P	P	05 00 35.7	+0.2
IIGN	Ignalina	69.52	341	eP	IAMB	05 00 35.6	+0.1
IIGN	Ignalina	69.52	341	IAMB	IAMB	05 00 38.4	
247A	Quitman	69.52	64	P	P	05 00 36.2	+0.3
346A	Big Creek Wild	69.55	65	eP	P	05 00 36.5	+0.4
SRDT	SRDT	69.57	267	P	P	05 00 37.5	+1.1
PATY	Pattaya	69.60	265	P	P	05 00 38.1	+1.5
DHRM	DHARAMSHALA	69.61	296	eP	P	05 00 35.6	-1.2
148A	Greensboro	69.64	63	P	P	05 00 36.7	0.0
X51A	Calhoun	69.64	60	eP	P	05 00 36.8	+0.1
X51A	Calhoun	69.64	60	P	P	05 00 36.4	-0.2
LRAL	Lakeview Retre	69.66	62	eP	P	05 00 35.4	-1.4
LRAL	Lakeview Retre	69.66	62	P	P	05 00 35.6	-1.2
ODNJ	Ogdensburg	69.69	49	eP	P	05 00 36.4	-0.4
Y50A	Piedmont	69.69	61	P	P	05 00 35.8	-1.2
VORR	Voronezh	69.70	332	eP	pmx	05 00 35.0	-1.7
VORR	Voronezh	69.70	332	pmx	pmx		
LUPA	Lehigh Univer	69.72	49	eP	P	05 00 36.3	-0.7
MVL	Millersville	69.73	50	eP	P	05 00 36.5	-0.6
W52A	Murphy	69.73	59	eP	P	05 00 36.7	-0.6
W52A	Murphy	69.73	59	P	P	05 00 36.3	-1.0
QUAZ	Belchertown	69.76	46	eP	P	05 00 36.7	-0.5
RSC	Scourie	69.77	360	eP	P	05 00 38.2	+1.1
Z49A	Columbiana	69.79	62	P	P	05 00 36.2	-1.4
DRLN	Deer Lake	69.80	33	eP	P	05 00 37.1	-0.3
GGN	Saint George	69.81	41	eP	P	05 00 37.7	+0.2
NACGM	Naroch	69.82	341	eP	P	05 00 36.0	-1.4
NACGM	Naroch	69.82	341	PM	PM	05 00 39.0	
NACGM	Naroch	69.82	341	eP	P	05 01 14.0	+1.4
NACGM	Naroch	69.82	341	eP	P	05 02 40.0	-3.1
NACGM	Naroch	69.82	341	eP	P	05 04 47.0	
NACGM	Naroch	69.82	341	eS	S	05 10 14.0	+1.6
NACGM	Naroch	69.82	341	eS	S	05 14 14.0	+0.9
NACGM	Naroch	69.82	341	eS	S	05 14 14.0	+2.5
NACGM	Naroch	69.82	341	eS	S	05 17 20.0	
NACGM	Naroch	69.82	341	eS	S	05 24 39.0	
NACGM	Naroch	69.82	341	eL	L	05 26 52.0	
NACGM	Naroch	69.82	341	eL	L	05 29 04.0	
NACGM	Naroch	69.82	341	LRM	MLR	05 29 18.0	
NACGM	Naroch	69.82	341	LRM	MLR	05 29 24.0	
V53A	Saluda	69.87	58	eP	P	05 00 37.8	-0.3
V53A	Saluda	69.87	58	P	P	05 00 37.6	-0.5
EMMW	East Machias	69.89	42	eP	P	05 00 37.5	-0.5
BLA	Blacksburg	69.91	55	eP	P	05 00 38.0	-0.3

BLA	Blacksburg	69.91	55	P	LR	05 00 38.0	-0.3
BLA	Blacksburg	69.91	55	P	LR	05 00 37.6	-0.7
BLA	Blacksburg	69.91	55	P	LR	05 00 37.6	-0.7
HRV	Adam Dziewonsk	69.93	46	eP	P	05 00 37.9	-0.4
HRV	Adam Dziewonsk	69.93	46	eP	pmx	05 00 37.9	-0.4
HRV	Adam Dziewonsk	69.93	46	P	pmx	05 00 37.8	-0.5
SDMD	Soldier's Deli	69.95	51	eP	P	05 00 38.2	-0.3
248A	Dixon Mills	69.97	63	P	P	05 00 38.7	0.0
MICGM	Minsk	69.97	340	PM	PM	05 00 38.0	-0.3
MICGM	Minsk	69.97	340	PM	PM	05 00 40.0	
MICGM	Minsk	69.97	340	PM	PM	05 00 41.0	
MICGM	Minsk	69.97	340	PM	PM	05 03 10.0	-2.7
MICGM	Minsk	69.97	340	PM	PM	05 04 57.0	
MICGM	Minsk	69.97	340	PM	PM	05 09 44.0	-1.3
MICGM	Minsk	69.97	340	PM	PM	05 10 10.0	-5.1
MICGM	Minsk	69.97	340	PM	PM	05 14 38.0	+2.4
MICGM	Minsk	69.97	340	PM	PM	05 17 20.0	
MICGM	Minsk	69.97	340	PM	PM	05 26 28.0	
MICGM	Minsk	69.97	340	PM	PM	05 34 30.0	
MNK	Minsk	69.97	340	PM	PM	05 00 38.0	-0.3
MNK	Minsk	69.97	340	PM	PM	05 03 10.0	
MNK	Minsk	69.97	340	PM	PM	05 09 44.0	-1.3
MNK	Minsk	69.97	340	PM	PM	05 10 10.0	-5.1
MNK	Minsk	69.97	340	PM	PM	05 17 20.0	
MNK	Minsk	69.97	340	PM	PM	05 26 28.0	
MNK	Minsk	69.97	340	PM	PM	05 34 30.0	
MNK	Minsk	69.97	340	PM	PM	05 00 38.0	-0.3
MNK	Minsk	69.97	340	PM	PM	05 03 10.0	
MNK	Minsk	69.97	340	PM	PM	05 09 44.0	-1.3
MNK	Minsk	69.97	340	PM	PM	05 10 10.0	-5.1
MNK	Minsk	69.97	340	PM	PM	05 17 20.0	
MNK	Minsk	69.97	340	PM	PM	05 26 28.0	
MNK	Minsk	69.97	340	PM	PM	05 34 30.0	
MNK	Minsk	69.97	340	PM	PM	05 00 38.0	-0.3
MNK	Minsk	69.97	340	PM	PM	05 03 10.0	
MNK	Minsk	69.97	340	PM	PM	05 09 44.0	-1.3
MNK	Minsk	69.97	340	PM	PM	05 10 10.0	-5.1
MNK	Minsk	69.97	340	PM	PM	05 17 20.0	
MNK	Minsk	69.97	340	PM	PM	05 26 28.0	
MNK	Minsk	69.97	340	PM	PM	05 34 30.0	
MNK	Minsk	69.97	340	PM	PM	05 00 38.0	-0.3
MNK	Minsk	69.97	340	PM	PM	05 03 10.0	
MNK	Minsk	69.97	340	PM	PM	05 09 44.0	-1.3
MNK	Minsk	69.97	340	PM	PM	05 10 10.0	-5.1
MNK	Minsk	69.97	340	PM	PM	05 17 20.0	
MNK	Minsk	69.97	340	PM	PM	05 26 28.0	
MNK	Minsk	69.97	340	PM	PM	05 34 30.0	
MNK	Minsk	69.97	340	PM	PM	05 00 38.0	-0.3
MNK	Minsk	69.97	340	PM	PM	05 03 10.0	
MNK	Minsk	69.97	340	PM	PM	05 09 44.0	-1.3
MNK	Minsk	69.97	340	PM	PM	05 10 10.0	-5.1
MNK	Minsk	69.97	340	PM	PM	05 17 20.0	
MNK	Minsk	69.97	340	PM	PM	05 26 28.0	
MNK	Minsk	69.97	340	PM	PM	05 34 30.0	
MNK	Minsk	69.97	340	PM	PM	05 00 38.0	-0.3
MNK	Minsk	69.97	340	PM	PM	05 03 10.0	
MNK	Minsk	69.97	340	PM	PM	05 09 44.0	-1.3
MNK	Minsk	69.97	340	PM	PM	05 10 10.0	-5.1
MNK	Minsk	69.97	340	PM	PM	05 17 20.0	
MNK	Minsk	69.97	340	PM	PM	05 26 28.0	
MNK	Minsk	69.97	340	PM	PM	05 34 30.0	
MNK	Minsk	69.97	340	PM	PM	05 00 38.0	-0.3
MNK	Minsk	69.97	340	PM	PM	05 03 10.0	
MNK	Minsk	69.97	340	PM	PM	05 09 44.0	-1.3
MNK	Minsk	69.97	340	PM	PM	05 10 10.0	-5.1
MNK	Minsk	69.97	340	PM	PM	05 17 20.0	
MNK	Minsk	69.97	340	PM	PM	05 26 28.0	
MNK	Minsk	69.97	340	PM	PM	05 34 30.0	
MNK	Minsk	69.97	340	PM	PM	05 00 38.0	-0.3
MNK	Minsk	69.97	340	PM	PM	05 03 10.0	
MNK	Minsk	69.97	340	PM	PM	05 09 44.0	-1.3
MNK	Minsk	69.97	340	PM	PM	05 10 10.0	-5.1
MNK	Minsk	69.97	340	PM	PM	05 17 20.0	
MNK	Minsk	69.97	340	PM	PM	05 26 28.0	
MNK	Minsk	69.97	340	PM	PM	05 34 30.0	
MNK	Minsk	69.97	340	PM	PM	05 00 38.0	-0.3
MNK	Minsk	69.97	340	PM	PM	05 03 10.0	
MNK	Minsk	69.97	340	PM	PM	05 09 44.0	-1.3
MNK	Minsk	69.97	340	PM	PM	05 10 10.0	-5.1
MNK	Minsk	69.97	340	PM	PM	05 17 20.0	
MNK	Minsk	69.97	340	PM	PM	05 26 28.0	
MNK	Minsk	69.97	340	PM	PM	05 34 30.0	
MNK	Minsk	69.97	340	PM	PM	05 00 38.0	-0.3
MNK	Minsk	69.97	340	PM	PM	05 03 10.0	
MNK	Minsk	69.97	340	PM	PM	05 09 44.0	-1.3
MNK	Minsk	69.97	340	PM	PM	05 10 10.0	-5.1
MNK	Minsk	69.97					

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like CSU Charleston Sou, 356A Blackshear, 554A Perry, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like KWP Kalwaria Pacia, KWP BATTI, KWP Baumata, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like GOPC GO Pecny, Ondr, NKC Novy Kostel, NKC Novy Kostel, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KBN Korca, PRK Paraskevi, and many others.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like POLO Lamas de Olo, KLV Kalavryta, and many others.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KEST comp=Z,1.4nm,0.9s, and many others.

Table with columns: LCO, Las Campanas, 127.60, 90, ePKP, PKP, 05 08 31.8 -0.5. Includes various station codes and coordinates.

MEX 15 04:53:00.3-0.5, 14:07N:91:98W, h89km, 20km, MD3.8, Guatemala

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations like THIG, PCIG, IGCJB, GUC, ISC, etc.

comp=E, 0.3nm, 0.4s, baz=339, slow=2.2, SNR=6.2

WEL 15 05:03:38.6, 43:65S:0:5:172.7E:0.4, h11km, ML3.7/14, South Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations like CRLZ, MOZ, OKCZ, etc.

ISC/JB 15 05:14:57.2-0.8, 30:32S:0:06:138:34E:0:07, h10km, Error ellipse: s-maj=9.6km s-min=7.8km az=152.6

IDC 15 05:14:58.4-5.1, 30:30S:138:42E, h0km, mb1 3.1/3, mb1mx3.1/25, mbtmp2.9/3, ML2.8/3, Error ellipse: s-maj=14.6km s-min=18.1km az=42.0

AUST 15 05:14:59.4-0.0, 30:49S:138:42E, h10km, Error ellipse: s-maj=0.6km s-min=0.2km az=348.0

ISC 15 05:14:59.2-1.2, 30:37S:138:37E:0:07, h10km, n6, +056G, South Australia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations like HTT, BBOO, STKA, etc.

ISC/JB 15 05:28:56.9-0.6, 5:11S:0:05:153:05E:0:07, h43km, mb4.0/15, Error ellipse: s-maj=10.5km s-min=7.7km az=177.7

NEIC 15 05:28:57.4-0.5, 4:98S:153:02E, h35km, mb4.4/8, Error ellipse: s-maj=14.7km s-min=10.9km az=92.0

IDC 15 05:28:58.9-4.5, 4:97S:152:91E, h48km, 40km, mb3.8/7, mb1 4.0/8, mb1mx3.7/32, mbtmp4.1/8, ML2.4/1, Error ellipse: s-maj=29.4km s-min=23.9km az=47.0

ISC 15 05:28:58.3-0.7, 5:02S:0:07:153:03E:0:09, h43km, n32, +151/35, mb4.2/15, New Ireland region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations like RABL, PMG, DZM, WRAB, etc.

BDFB Brasilia 150.75 135 PKPbc PKPbc 05 48 47.6 +0.5

2.8nm, 0.5s, baz=208, slow=3.4, SNR=5.4

NIED 15 05:46:00, 36:80N:141:30E, h8km, Mw4.7 Best double couple: Mb1.3200x1016 NPl1.344.00000, 836.00000, 7-112.00000, NP2.9171.00000, 867.00000

JMA 15 05:46:10.0-3.1, 36:82N:141:21E, h32km, 1km, M5.0 Broadband fault plane solution: P waves: NP1: 912.00000, 863.00000, 8-86.00000, NP2.9183.00000, 827.00000, 8-98.00000, Principal axes: T: Plg18.00000, Azm99.00000, N: Plg4.00000, Azm190.00000; P: Plg2.00000, Azm292.00000

JMA Felt IV J1, BUJ 15 05:46:10.7, 36:60N:141:25E, h40km, mb4.8/49, mb5.3/20, Ms4.7/22, Ms7.4/22

ISC/JB 15 05:46:11.6-0.4, 36:83N:0:02:141:10E:0:02, h29km, 3km, Mb4.7/22, MS4.2/2, Error ellipse: s-maj=3.7km s-min=2.6km az=41.5

IDC 15 05:46:13.9-3.3, 36:83N:141:06E, h36km, 27km, mb4.3/28, mb1 4.5/31, mb1mx4.5/6, mbtmp4.6/31, ML4.1/3, MS4.2/8, Ms1 4.2/8, mb1mx3.8/55, Error ellipse: s-maj=13.4km s-min=11.8km az=110.0

NEIC 15 05:46:13.9-0.1, 36:82N:141:03E, h35km, mb4.8/162, Error ellipse: s-maj=3.4km s-min=2.1km az=145.0

NEIC Felt from Sendai to Tokyo and from Maebashi to Hitachi. Recorded [4 JMA] in Ibaraki.

MOS 15 05:46:14.3-0.9, 37:23N:141:01E, h37km, mb5.0/77, Error ellipse: s-maj=6.8km s-min=5.1km az=97.6

ISC 15 05:46:12.1-1.0, 6.362N:0:03:141:22E:0:04, h26km, 5km, n525, e183/50, mb4.8/22, 25S-10D, Near east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists stations like ONAJ, HJHO, JFJK, etc.

MAT Matsuhiro 2.44 264 P Pn 05 46 50.2 +0.0

MAT Matsuhiro 2.44 264 P S 05 47 19.1 -0.0

MAT Matsuhiro 2.44 264 P S 05 46 50.0 0.0

MJB9 Matsui-Tunnel 2.44 265 ePn Pn 05 46 50.4 +0.2

MAT Matsuhiro 2.54 262 ePn Pn 05 46 51.8 +0.1

JRY Fukugamo 2.62 350 ePn Pn 05 46 52.6 -1.4

JOM Takato 2.62 350 P Pn 05 46 52.1 -1.1

JNT Takato 2.62 350 P Pn 05 46 53.3 -0.0

SHZ3 Shizuoka 3 3.00 235 P Pn 05 46 58.5 +0.5

JNY Ysuoiku 3.08 243 ePn Pn 05 46 59.9 +0.8

JAH Hinal 3.40 352 ePn Pn 05 47 03.8 +0.4

INU Inuyama 3.70 248 ePn Pn 05 47 08.3 +0.7

JHJ Hachijo jima 2 3.87 198 Pn Pn 05 47 10.2 +0.3

ERM Erimo 5.41 16 ePn Pn 05 47 30.2 -0.7

ERM Erimo 5.41 16 ePn Pn 05 47 30.2 -0.7

ASAJ Asahikawa 7.37 8 ePn Pn 05 47 56.9 -1.0

YUK Yuzh-Kuril'sk 8.03 25 P Pn 05 48 04.4 -2.6

YUK Yuzh-Kuril'sk 8.03 25 P S 05 48 30.2 -4.9

YUK Yuzh-Kuril'sk 8.03 25 P S 05 48 30.2 -4.9

YUK Yuzh-Kuril'sk 8.03 25 P S 05 48 30.2 -4.9

YUK Yuzh-Kuril'sk 8.03 25 P S 05 48 30.2 -4.9

YUK Yuzh-Kuril'sk 8.03 25 P S 05 48 30.2 -4.9

YUK Yuzh-Kuril'sk 8.03 25 P S 05 48 30.2 -4.9

YUK Yuzh-Kuril'sk 8.03 25 P S 05 48 30.2 -4.9

YUK Yuzh-Kuril'sk 8.03 25 P S 05 48 30.2 -4.9

YUK Yuzh-Kuril'sk 8.03 25 P S 05 48 30.2 -4.9

YUK Yuzh-Kuril'sk 8.03 25 P S 05 48 30.2 -4.9

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like CN2 Changchun, CN2 CN2, CN2 comp=Z,10.0nm,0.9s, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like TIXI comp=Z,520nm,19.6s, TIXI Tiksi, TIXI Tiksi, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like RND Reindeer, GHO comp=Z,16nm,0.8s, GHO Glory Hole Cre, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like GYA0B, KLMR, ARA0, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like NVAR, NV11, MLAC, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like VYHS, VYHS, VY09, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CIBINONG, Kota Agung, Cisomet, Garu, Lembang, MDSI, Cimerak, etc.

IDC 15 10:30:08.6:1.0, 10:38N:126:49E, h0km, mb3.8/7, mb1.3/9.7, mb1mx3.8/40, mbtmp3.8/7, MS4:4/3, MS1.3/4/3, ms1mx2.7/4.1, Error ellipse: s-maj=69.5km s-min=22.8km az=70.0

ISCJB 15 10:30:11.2:2.3, 10:34N:105:126:67E:0.05, h2km, mb3.8/7, MS3.7/7, Error ellipse: s-maj=9.4km s-min=7.7km az=151.6

MAN 15 10:30:11.2, 10:36N:126:56E, h15km, mb4.6, ML3.4, MS3.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SCPH, BUTP, Borongan, Maasin, Palo, Oromoc, Lapu-Lapu, etc.

MEX 15 10:30:20.7:0.6, 16:31N:98:44W, h1km, mb3.9/11, Near coast of Guerrero

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

IDC 15 10:44:16.6:0.7, 10:23N:126:43E, h0km, mb3.9/11, mb1.4/1.1, mb1mx3.8/39, mbtmp3.9/11, Error ellipse: s-maj=40.8km s-min=16.4km az=69.0

ISCJB 15 10:44:18.7:2.2, 10:32N:105:126:69E:0.05, h2km, mb1.6km, mb3.8/1.1, Error ellipse: s-maj=8.9km s-min=7.1km az=143.2

MAN 15 10:44:20.3, 10:34N:126:54E, h14km, mb4.7, ML3.6, MS3.5

ISC 15 10:44:21.5:2.4, 10:28N:104:126:57E:0.09, h3km, 16km, n22, c1523/30, mb3.8/11, 2C-1D, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SCPH, BUTP, Borongan, Maasin, Palo, Oromoc, etc.

JMA 15 10:54:00.8:0.2, 37:39N:143:97E, h33km, M2.8, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIKH, JIO, OFUJ, JKMT, etc.

NIED 15 10:55:00, 37:70N:143:60E, h8km, Mw4.7, Best double couple: M1-25000x1019, NP1:9x4.00000, 822.00000, 1.198.00000, NP2:9x203.00000, 869.00000, -1.83.00000

ISCJB 15 10:55:19.5:0.8, 37:83N:102:143:67E:0.02, h4km, 4km, mb4.8/206, MS4, 1/23, Error ellipse: s-maj=4.1km s-min=2.5km az=169.3

IDC 15 10:55:19.0:0.4, 37:63N:143:81E, h0km, mb4.6/30, mb1.4/8.38, mb1mx4.7/54, mbtmp4.7/38, ML4.4/7, MS3.8/17, Ms1.3.8/17, ms1mx3.6/33, Error ellipse: s-maj=11.9km s-min=9.4km az=106.0

NEIC 15 10:55:22.6:2.1, 37:62N:143:73E, h20km, 13km, mb4.8/119, Error ellipse: s-maj=5.0km s-min=3.6km az=141.0

NEIC Recorded [1] JMA in Miyagi JMA 15 10:55:22.1:0.2, 37:70N:143:67E, h53km, M4.7 JMA Felt J1

BUI 15 10:55:23.3, 37:91N:143:56E, h38km, mb5.0/66, mBS, 1/44, Ms4.4/48, Ms7.4/247

MOS 15 10:55:24.6:1.2, 38:09N:143:66E, h31km, mb5.0/83, Error ellipse: s-maj=6.4km s-min=4.1km az=96.8

GCMT 15 10:55:24.6:0.5, 37:85N:104:143:72E:0.04, h18km, 1km, MV4.8/59, Moment Tensor Solution. s17,c20: s59,c82; Duration: 0 Moment tensor: Scale 10^19Nm; Mr:-1.49;1.4; Mw:0.06; 08; Mw:1.43; 10; Mw:0.65; 23; Mw:0.37; 05; Mw:0.87; 19; Best double couple: M1:65000x1019, NP1:3x207.00000, 863.00000, -1.78.00000, NP2: 9x2.00000, 829.00000, -1.12.00000. Principal axes: T 1.8360, P1g17.0000, Azm288.0000, N 0.0460, Azm11.0000, Azm21.0000; P -1.8790, P1g70.0000, P1g142.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 15 10:55:23.9:0.4, 37:72N:103:143:85E:0.04, h32km, 2km, h32km, pP-N, n460, c2913/517, mb4.9/213, MS4.0/25, 29C-5D, Off east coast of Honshu

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

JOD2 Odawara 2 4.55 239 P Pn 10 56 27.3 -3.3

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

MAJRO Matsushiro 4.66 257 P Pn 10 56 30.8 -1.2

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

15d 10h

Table with columns: TIA, Tai'an, 21.39 274, P, P, 11 00 06.4 -2.3, MOY, comp=Z,28nm,2.1s, Guiyang, 33.25 261, P, P, 11 01 59.5 +1.2, MKAR, Makanchi Array, 45.40 302, eP, P, 11 03 39.2 -0.1

2012 DEC

Table with columns: MOY, comp=Z,28nm,2.1s, Guiyang, 33.25 261, P, P, 11 01 59.5 +1.2, MKAR, Makanchi Array, 45.40 302, eP, P, 11 03 39.2 -0.1

780

Table with columns: MKAR, Makanchi Array, 45.40 302, eP, P, 11 03 39.2 -0.1, PPLA, Purkeypile, 45.49 35, eP, P, 11 03 39.7 -0.2, SBUM, Siburu, 45.54 227, P, P, 11 03 42.0 +1.3, CAST, Castle Rocks, 45.56 35, eP, P, 11 03 42.3 +2.0, MAKZ, Makanchi, 45.61 302, eP, P, 11 03 41.2 +0.2, MAKZ, Makanchi, 45.61 302, eP, P, 11 03 41.2 +0.2, MAKZ, Makanchi, 45.61 302, eP, P, 11 03 41.2 +0.2

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Sufi-Kurgan, Karatay Array, Warramunga Arr, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like NORSAR Subarra, NOA, FLWY, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like LANS, Liptovska Anna, MORC, etc.

IDC 15 11:34:30.2,6.31,43N,49.62E,h0km,mb3.4/3,
 mb1 3.5/4,mb1mx3.3/37,mbtmp3.5/4,ML3.8/1,Error
 ellipse: s-maj=59.6km s-min=34.5km az=163.0
 ISCJB 15 11:34:33.9,1.0,31.78N,0.10,49.40E,0.06,h10km,
 mb3.1/3,Error ellipse: s-maj=14.2km s-min=7.1km az=9.3
 TEH 15 11:34:33.7,1.0,31.97N,0.08,49.42E,0.05,h10km,n24,
 s-r196/24,mb3.2/3,Western Iran

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
SHGR	Shooshtar-Gavs	4.54 286	Op	11 34 43.5	-0.8
IPIR	Pirpir	1.44 60	eP	11 34 58.0	-2.2
IKMR	Kamar-syah	1.78 331	IAMB	11 35 32.4	
IKMR	Khomeyn	1.83 14	eP	11 35 05.8	-2.1
IKFM	Katar-mosalm	2.04 320	IAMB	11 35 06.8	-0.6
IKFM	Gharneh	2.27 78	eP	11 35 09.7	-1.2
IGAR	Kolahrud	2.27 53	eP	11 35 11.0	-0.6
IKLH	Ramesheh	2.53 93	eP	11 35 13.9	-1.2
IRAM	Zefreh	2.63 69	eP	11 35 15.9	-0.7
IGHR	Ghom	2.96 32	eP	11 35 21.3	+0.4
IGHG	Ghaleghazi	3.36 315	eP	11 35 27.8	+1.3
ISFB	Sefidab	3.36 44	eP	11 35 28.6	+2.2
IRAZ	Razeghan	3.46 7	eP	11 35 30.1	+2.2
IRAZ	Damavand	4.21 30	eP	11 35 40.1	+1.8
IDMV	Chekekch	4.25 85	eP	11 35 41.1	+2.8
ICHK	Ghazvin	4.46 8	eP	11 35 42.5	+2.8
IGZV	Mehriz	4.47 96	eP	11 35 45.2	+3.4
IMEH	Shahmirzad	5.01 39	eP	11 35 51.6	+2.4
ISHM	Anjilo	5.12 46	eP	11 35 53.5	+2.7
IANJ	Tabas	6.70 73	eP	11 36 13.3	+1.2
BRTR	Reskin Array B	14.94 306	P	11 36 10.3	-0.5
AKASG	Malin Array Be	23.95 327	P	11 39 51.8	+3.8
MKAR	Makanchi Array	29.16 50	P	11 40 35.0	-0.0
TORD	Tordi Ar. Bea	47.46 258	P	11 43 07.8	-1.2

MEX 15 11:37:51.7,0.6,18.07N,101.52W,h62km,8km,MD3.9

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
ZIIG	Zihuatanejo	0.46 173	iP	11 38 01.6	-1.9
ZIIG	Puente Sto Nin	1.14 79	eP	11 38 09.7	-1.9
ARIG	CAIG	1.57 130	eP	11 38 24.7	-1.8
CAIG	CAIG	1.57 130	eP	11 38 16.1	+1.3
MMIG	Aquila	1.75 278	eP	11 38 35.0	-1.7
MMIG	Mezcala	1.82 94	eP	11 38 39.9	-2.0

SJA 15 11:55:37.6,0.8,24.26S,67.03W,h183km,14km,ML2.9
 ISCJB 15 11:55:38.7,0.6,24.11S,0.06,67.05W,0.05,h181km,
 Error ellipse: s-maj=8.5km s-min=5.4km az=23.1
 GUC 15 11:55:38.5,0.4,24.03S,67.12W,h172km,19km,ML4.0
 ISC 15 11:55:38.4,1.4,24.13S,0.07,67.02W,0.05,h181km,n21,
 s-r092/32,6C-1D,Chile-Argentina border region

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
SLA	San Lorenzo	1.50 113	Op	11 56 10.6	-1.0
SLA	Humahuaca	1.74 58	eP	11 56 14.3	+1.0
AZAP	Zapla	1.78 93	eP	11 56 14.0	+0.4
PB15	IPOC Station P	2.43 292	iP	11 56 21.7	+1.1
PB15	IPOC Station P	2.43 292	iP	11 56 53.5	+0.2
GO02	Mina Guanaco	2.56 246	iP	11 56 22.0	+0.5
GO02	IPOC Station P	2.74 301	eP	11 56 25.4	+1.2
PB06	IPOC Station P	2.74 301	iP	11 56 59.6	-0.2
PB06	IPOC Station P	2.74 301	iP	11 56 52.2	+0.9
PB06	IPOC Station P	2.74 301	iP	11 56 59.9	+0.3
PB06	IPOC Station P	2.74 301	iP	11 57 01.6	
ALOL	LOMAS DE OLMED	2.79 84	eP	11 56 24.8	+0.1
PB09	IPOC Station P	3.10 318	iP	11 56 30.2	+1.7
PB09	IPOC Station P	3.10 318	iP	11 57 08.2	+0.6
PB09	IPOC Station P	3.10 318	iP	11 57 12.8	
PB14	IPOC Station P	3.13 260	IAML	11 57 08.7	
PB05	IPOC Station P	3.19 293	eP	11 56 29.9	+0.3
PB05	IPOC Station P	3.19 293	eP	11 57 08.5	-1.0
PB05	IPOC Station P	3.19 293	iP	11 56 29.9	+0.3
PB05	IPOC Station P	3.19 293	iP	11 57 07.6	-1.9
PB05	IPOC Station P	3.19 293	iP	11 57 12.0	
PB03	IPOC Station P	3.26 309	eP	11 56 31.3	+0.7
PB03	IPOC Station P	3.26 309	eP	11 57 11.8	+0.6
PB03	IPOC Station P	3.26 309	iP	11 56 31.0	+0.5
PB03	IPOC Station P	3.26 309	iP	11 57 10.3	-0.9
PB03	IPOC Station P	3.26 309	iP	11 57 13.7	
PB10	IPOC Station P	3.30 280	eP	11 56 31.1	+0.4
PB10	IPOC Station P	3.30 280	eP	11 57 10.2	-1.4
PB10	IPOC Station P	3.30 280	eP	11 57 12.6	
PB04	IPOC Station P	3.39 301	eP	11 56 32.8	+0.7
PB04	IPOC Station P	3.39 301	IAML	11 57 15.4	
PB07	IPOC Station P	3.57 312	iP	11 56 34.6	+0.3
PB07	IPOC Station P	3.57 312	iP	11 57 16.2	-1.7
PB07	IPOC Station P	3.57 312	iP	11 57 17.5	
PB01	IPOC Station P	3.83 323	eP	11 56 37.7	+0.1
PB01	IPOC Station P	3.83 323	eP	11 57 22.1	-1.7
PB01	IPOC Station P	3.83 323	eP	11 57 22.9	
PB02	IPOC Station P	3.86 316	eP	11 56 37.8	-0.1
PB02	IPOC Station P	3.86 316	eP	11 57 26.7	
PB08	IPOC Station P	4.44 333	iP	11 56 46.3	+0.0
PB08	IPOC Station P	4.44 333	iP	11 57 37.6	-0.6

IDC 15 12:06:04.4,2.2,13.18N,89.41W,h0km,mb3.8/4,
 mb1 4.1/5,mb1mx3.8/28,mbtmp3.8/5,ML3.3/1,Error
 ellipse: s-maj=53.2km s-min=22.3km az=49.0,El
 Salvador

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
APG	El Apazole	2.08 331	Op	12 06 43.1	-0.2
APG	JuntasAbangare	5.22 123	P	12 07 33.1	-3.7
CMIG	Matias Romero	6.56 307	P	12 07 42.3	0.0
TXAR	Lajitas Array	20.82 323	P	12 10 47.4	-0.4
PDAR	Pinedale Array	34.25 333	P	12 12 55.1	+2.7
NVAR	Mina Array Be	35.91 320	P	12 13 07.2	+0.5
SCHO	Schefferville	45.16 18	P	12 14 23.6	+0.7
YKA	Yellowknife Ar	52.42 346	P	12 15 17.2	-1.3

MAN 15 12:11:58.5,9.68N,125.40E,h5km,mb4.5,ML3.3,MS3.2
 IDC 15 12:12:05.9,2.2,9.74N,125.51E,h85km,24km,mb3.4/11,
 mb1 3.6/12,mb1mx3.4/42,mbtmp3.8/12,MS2.8/2,
 s-r1 2.8/2,ms1mx2.4/29,Error ellipse: s-maj=29.2km,
 s-min=15.5km az=77.0
 ISC 15 12:11:58.5,9.68N,125.40E,h5km,mb4.5,ML3.3,MS3.2
 n38,-c137/45,mb3.5/11,3C-2D,Mindanao

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
SCPH	Surigao	0.07 20	iP	12 12 01.4	-0.5
SCPH	Maasin	0.73 305	eS	12 12 04.1	0.0
MSLP	Butuan	0.76 168	eP	12 12 25.7	+1.1
BUTP	Butuan	0.76 168	eP	12 12 12.8	-0.4
BUTP	Butuan	0.76 168	eP	12 12 26.9	+1.6
CGP	Cagayan de Oro	1.46 211	eP	12 12 24.4	+0.3
CGP	Palo	1.52 342	eP	12 12 43.9	+0.4
PLP	Ormoc	1.57 328	iS	12 12 45.7	-0.1
OCLP	Ormoc	1.57 328	eS	12 12 26.9	+0.2
OCLP	Ormoc	1.57 328	eS	12 12 51.3	+2.0
TBP	Tagbilaran	1.58 269	eP	12 12 25.3	-0.4
LLP	Lapu-Lapu	1.59 292	eP	12 12 45.6	-0.1
LLP	Lapu-Lapu	1.59 292	eP	12 12 45.7	-0.2
BIPH	Bislig	1.76 150	eP	12 12 28.6	+0.5
BIPH	Bislig	1.76 150	eP	12 12 50.7	+0.6
BUPK	Musuan	1.86 192	eP	12 12 29.6	0.0
BESP	Borongan	1.88 359	eP	12 12 31.4	-0.9
DMPH	Davao City-Mi	2.61 179	eP	12 12 46.2	+1.3
DMPH	Davao City (W)	2.63 177	P	12 12 46.5	+1.4
DAV	Pagadian	2.77 228	eP	12 12 44.0	+1.9
MATI	Mati	2.86 164	eP	12 12 50.2	+1.1
MATI	Catarman	2.89 344	eP	12 12 28.0	-1.1
CNP	Jordan	2.97 288	eP	12 12 27.2	+2.5
GUIM	Roxas	3.24 305	eP	12 12 27.1	+2.6
PVCP	Koronada	4.07 342	eP	12 13 04.0	+4.2
JOW	Chiang Mai Arr	27.12 94	LR	12 12 58.2	
CMAR	Chiang Mai Arr	27.12 94	LR	12 12 41.5	+0.7
KSR5	WAKE ISLAND Hy	40.78 73	T	13 02 45.3	
WRA	Warramunga Arr	30.74 164	P	12 18 13.0	+0.1
ASAR	Alce Springs	34.19 166	P	12 18 43.5	+0.4
USRK	Ussuriysk Ar	34.82 8	P	12 18 47.9	-0.5
KLR	Kul'dur	39.74 6	P	13 02 29.9	-0.1
H1S3	WAKE ISLAND Hy	40.78 73	T	13 02 37.5	
H1S1	WAKE ISLAND Hy	40.78 73	T	13 02 37.5	
H1S2	WAKE ISLAND Hy	40.78 73	T	13 02 47.1	
H1N1	WAKE ISLAND Hy	41.19 71	T	13 03 06.3	
H1N2	WAKE ISLAND Hy	41.19 71	T	13 03 06.3	
H1N3	WAKE ISLAND Hy	41.20 71	T	13 03 07.7	
STKA	Stephens Creek	44.14 160	P	12 20 06.8	+0.6
PETK	Petrovovsk	50.47 25	P	12 20 55.5	+0.2
MKAR	Makanchi Array	51.99 323	P	12 21 06.8	-0.1
ILAR	Eielson Array	80.28 26	P	12 24 05.9	-2.2
FINES	FINES Array B	86.00 332	P	12 24 36.6	-1.1
YKA	Yellowknife Ar	94.59 24	P	12 25 16.7	-1.3

IRK 15 12:41:31.9,36.92N,28.92E,h5km,ML3.4/23
 DDA 15 12:41:32.9,36.95N,28.94E,h4km,ML3.5
 THE 15 12:41:34.0,36.87N,28.96E,h0km,1km,ML2.9/1,Error
 ellipse: s-maj=1.6km s-min=1.0km az=49.0
 IDC 15 12:41:37.3,3.3,36.52N,29.25E,h41km,24km,mb3.5/8,
 mb1 3.5/5,mb1mx3.2/43,mbtmp3.6/5,ML3.2/2,Error
 ellipse: s-maj=45.0km s-min=9.7km az=148.0
 ISC 15 12:41:33.4,1.2,36.94N,0.02,28.96E,0.02,h1km,9km,
 n54,-c193/67,mb3.9/3,Decadence Islands

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
				h m s	ISC
DALY	Dalyan (Mu'la)	0.27 244	Op	12 41 32.2	+0.1
DALY	Dalyan (Mu'la)	0.27 244	iP	12 41 38.6	0.0
DALY	Turunc	0.29 258	PG	12 41 43.5	+1.3
TURN	Turunc	0.29 258	PG	12 41 43.9	-1.0
TURN	Turunc	0.29 258	PG	12 41 52.7	+5.9
TURN	Turunc	0.29 258	PG	12 41 43.7	-1.2
FETY	Fethiye	0.32 161	PG	12 41 52.9	+6.0
FETY	Fethiye	0.32 161	PG	12 41 38.9	-0.6
FETY	Fethiye	0.32 161	PG	12 41 38.9	-0.6
FATA	DENIZLI Tavass	0.53 356	iP	12 41 44.7	+1.1
TAVAS	DENIZLI Tavass	0.53 356	iP	12 41 43.0	-0.5
GOLH	Golhisar	0.57 58	PG	12 41 50.5	-0.1
ELL	Elmalı	0.75 103	PG	12 41 43.4	-1.0
DENT	Denizli	0.82 4	PG	12 41 48.3	-0.9
AKAS	Kas	0.87 143	PG	12 41 50.1	-0.1
AKAS	Kastellorizon	0.87 143	PG	12 42 02.5	-0.7
KSL	Kas	0.93 147	P	12 42 01.5	+0.2
KSL	Arkhangelos	0.98 223	PG</		

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like OTAV Otavalo, PCON Cinco Dias, GCUJ Volcaca Saleras, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like Y46A Houston, Y47A UCPCAR, Winfie, Z54A Spalache, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like V41A Mountainview, STVI Saint Thomas, TKL Tuckaleechee C, etc.

P48A	Milroy	27.42	6	P	P	12 49 11.1	-0.1
LENM	Lemitar	27.52	326	eP	P	12 49 14.9	+2.6
R58B	Mineral	27.55	19	P	P	12 49 14.8	+2.6
P51A	Williamsport	27.75	10	eP	P	12 49 13.8	-0.3
ANMO	Albuquerque	27.83	328	eP	P	12 49 17.8	+2.6
P53A	Whipple	28.06	12	eP	P	12 49 18.0	+1.1
P53A	Whipple	28.06	12	P	P	12 49 15.3	-1.5
O47A	Sheridan	28.13	4	P	P	12 49 14.4	-3.0
O49A	Covington	28.26	7	eP	P	12 49 17.8	-0.8
O50A	Cable	28.31	8	P	P	12 49 16.5	-2.6
CBKS	Cedar Bluff	28.34	342	eP	P	12 49 20.6	+1.2
CBKS	Cedar Bluff	28.34	342	eP	sP	12 49 18.6	-0.9
HDIL	Hopedale	28.35	359	eP	P	12 49 22.1	+2.6
O51A	Pataskala	28.47	10	P	P	12 49 18.1	-2.4
ACSO	Alum Creek Sta	28.49	9	eP	P	12 49 18.3	-2.4
ACSO	Alum Creek Sta	28.49	9	P	P	12 49 18.3	-2.4
TUC	Tucson	28.51	318	eP	P	12 49 24.0	+2.8
TUC	Tucson	28.51	318	P	P	12 49 22.8	+1.6
N41A	Harden Midland	28.56	357	eP	P	12 49 21.9	+0.6
N41A	Harden Midland	28.56	357	P	P	12 49 18.4	-2.9
O52A	Adamsville	28.58	11	eP	P	12 49 20.6	-1.0
O52A	Adamsville	28.58	11	P	P	12 49 19.5	-2.0
T25A	Trinidad	28.61	333	eP	P	12 49 22.2	+0.2
T25A	Trinidad	28.61	333	P	P	12 49 24.1	+2.0
O53A	New Philadelph	28.83	12	P	P	12 49 21.4	-2.3
N50A	Nevada	29.00	9	P	P	12 49 22.8	-2.4
N49A	Columbus Grove	29.00	7	eP	P	12 49 26.4	+1.2
SDMD	Soldier's Deli	29.20	19	eP	P	12 49 25.3	-1.7
N51A	Ashland	29.26	10	eP	P	12 49 30.0	+2.4
N51A	Ashland	29.26	10	P	P	12 49 28.1	+0.6
M40A	Post Highland	29.30	356	P	P	12 49 27.7	-0.1
M39A	Webster	29.42	355	P	P	12 49 28.7	-0.3
SDCO	Great Sand Dun	29.60	333	eP	P	12 49 32.8	+1.9
M50A	Fremont	29.63	9	eP	P	12 49 28.5	-2.3
M50A	Fremont	29.63	9	P	P	12 49 28.4	-2.4
214A	Oregon Pipe Nat	29.65	316	P	P	12 49 33.6	+2.5
N54A	Moraine State	29.78	13	eP	P	12 49 31.1	-1.0
N54A	Moraine State	29.78	13	P	P	12 49 29.9	-2.2
L42A	Oliver, Polo	29.81	359	eP	P	12 49 33.2	+0.9
L41A	Preston	29.91	357	P	P	12 49 33.0	-0.2
L40A	Anamosa	29.93	356	eP	P	12 49 34.2	+0.8
L40A	Anamosa	29.93	356	P	P	12 49 33.9	+0.5
PAGS	Pennsylvania G	29.98	19	eP	P	12 49 37.0	+3.1
SSPA	Standing Stone	30.01	17	eP	P	12 49 37.2	+3.0
S22A	4UR Ranch, Cre	30.21	331	P	P	12 49 35.3	-1.1
L49A	Milan	30.22	7	P	P	12 49 37.9	+1.9
X16A	Lo Mia Camp, P	30.30	321	eP	P	12 49 37.0	0.0
BGNE	Belgrade	30.33	346	eP	P	12 49 36.4	-0.7
BGNE	Belgrade	30.33	346	P	P	12 49 36.3	-0.8
M54A	Oil Creek Stat	30.37	14	P	P	12 49 40.3	+2.9
K40A	Colesburg	30.56	357	P	P	12 49 39.3	+0.2
K39A	Delweine	30.62	356	P	P	12 49 36.9	-2.7
K47A	Vermontville	30.64	5	P	P	12 49 37.0	-2.7
JFWS	Jewell Farm	30.73	358	eP	P	12 49 43.1	+2.5
JFWS	Jewell Farm	30.73	358	P	P	12 49 41.2	+0.6
LUPA	Lehigh Univers	30.75	20	eP	P	12 49 42.1	+1.3
113A	Mohawk Valley	30.78	316	eP	P	12 49 44.0	+3.0
N59A	State Game Lan	30.91	19	eP	P	12 49 44.5	+2.3
N59A	State Game Lan	30.91	19	P	P	12 49 40.5	-1.7
K49A	Clarkston	30.93	8	P	P	12 49 40.5	-1.8
WUAZ	Wupatki	31.00	323	eP	P	12 49 46.5	+3.3
WUAZ	Wupatki	31.00	323	P	P	12 49 46.8	+3.6
BRNJ	Basking Ridge	31.11	21	eP	P	12 49 48.0	+4.2
J41A	Loganville	31.18	358	P	P	12 49 42.1	-2.4
J39A	Decorah	31.23	356	P	P	12 49 43.4	-1.6
J40A	Soldiers Grove	31.23	357	P	P	12 49 44.9	-0.1
PTGA	Pittinga	31.33	112	eP	P	12 49 45.8	-0.3
ISCO	Idaho Springs	31.35	335	eP	P	12 49 47.7	+1.3
ISCO	Idaho Springs	31.35	335	P	P	12 49 47.4	+1.0
J48A	Bridge Port	31.39	7	P	P	12 49 47.2	+0.9
SMCO	Snowmass	31.43	332	eP	P	12 49 47.7	+1.5
PV02	Paradox Valley	31.51	329	eP	P	12 49 50.6	+2.8
PV13	Radium Mtn., P	31.52	329	eP	P	12 49 50.0	+2.2
J49A	Warlette	31.54	8	P	P	12 49 47.5	-0.1
PV05	Paradox Valley	31.59	328	eP	P	12 49 50.2	+1.7
PV03	Paradox Valley	31.60	329	eP	P	12 49 49.8	+1.3
PV18	Skein Mesa, Pa	31.63	329	eP	P	12 49 50.9	+2.1
PV12	Saucer Basin	31.63	329	eP	P	12 49 50.9	+2.1
PV11	David Mesa, Pa	31.65	329	eP	P	12 49 50.2	+1.2
GLA	Glamis	31.67	315	eP	P	12 49 51.6	+2.6
GLA	Glamis	31.67	315	P	P	12 49 50.9	+1.9
PV17	East Wray Mesa	31.68	329	eP	P	12 49 50.4	+1.2
PV16	Nyswonger Mesa	31.68	329	eP	P	12 49 51.0	+1.8
I43A	Langenfeld Bro	31.68	1	P	P	12 49 50.6	+1.7
PV19	Morning Glory	31.71	329	eP	P	12 49 51.6	+2.1
I40A	Norwalk	31.72	357	P	P	12 49 49.2	-0.1

PV20	West Nyswonger	31.73	329	eP	P	12 49 51.5	+1.9
I39A	Houston	31.73	356	eP	P	12 49 48.4	-1.0
I39A	Houston	31.73	356	P	P	12 49 49.6	+0.3
PV14	Lion Creek, Pa	31.78	329	eP	P	12 49 55.4	+5.3
PV22	Blue Mesa, Pa	31.79	329	eP	P	12 49 51.8	+1.7
PV10	Paradox Valley	31.79	329	eP	P	12 49 51.5	+1.2
PV23	Carpenter Ridge	31.84	329	eP	P	12 49 52.3	+1.6
TYNO	Tyngboro	31.84	12	P	P	12 49 52.5	+2.2
J52A	Paris	31.86	12	P	P	12 49 52.4	+2.0
I41A	Arkdale	31.86	359	eP	P	12 49 51.4	+0.9
I41A	Arkdale	31.86	359	P	P	12 49 51.2	+0.7
Y12C	Blythe	31.87	317	eP	P	12 49 53.8	+3.2
Y12C	Blythe	31.87	317	P	P	12 49 55.5	+2.8
PV09	Paradox Valley	31.93	329	eP	P	12 49 53.5	+2.0
BINY	Binghamton	32.01	18	eP	P	12 49 50.7	+3.2
U15A	North Rim	32.17	323	eP	P	12 49 53.7	+0.1
ECSD	EROS Data Cent	32.24	349	eP	P	12 49 53.8	-0.1
ECSD	EROS Data Cent	32.24	349	P	P	12 49 53.7	-0.1
W13A	Hualapai Mount	32.28	319	eP	P	12 49 55.0	+0.5
ACTO	Acton	32.30	12	P	P	12 49 55.9	+1.6
I51A	Listowel	32.30	11	P	P	12 49 55.9	+1.6
IKP	In-Ko-Pah, Jac	32.34	314	P	P	12 49 55.2	+0.3
N23A	Red Feather L	32.41	335	eP	P	12 49 56.1	+0.5
N23A	Red Feather L	32.41	335	P	P	12 49 55.9	+0.3
H41A	Junction City	32.42	359	eP	P	12 49 57.5	+2.2
BC3	Big Chuckawall	32.44	316	P	P	12 49 55.7	-0.2
H40A	Chili	32.44	358	P	P	12 49 52.7	-2.8
IRM	Iron Mountain	32.53	317	P	P	12 49 59.0	+2.5
H38A	Malheur Rock	32.61	355	P	P	12 49 56.8	-0.2
O20A	White River Ci	32.78	332	eP	P	12 50 00.7	+1.8
O20A	White River Ci	32.78	332	P	P	12 50 00.7	+1.8
KNB	Kanab	32.88	323	eP	P	12 50 00.5	+0.8
LDFC	Landfair	33.05	318	eP	P	12 50 05.2	+4.0
G38A	Ridgeland	33.07	356	P	P	12 50 01.1	0.0
G40A	Rib Lake	33.08	358	eP	P	12 50 01.1	-0.1
G40A	Rib Lake	33.08	358	P	P	12 50 01.2	0.0
SRU	San Rafael Swe	33.11	328	eP	P	12 50 03.9	+2.2
LCMT	Little Creek M	33.12	323	eP	P	12 50 01.5	-0.3
G39A	Holcombe	33.14	357	P	P	12 49 58.2	-3.5
SPMN	Marine on St.	33.20	355	eP	P	12 49 59.1	-3.1
SPMN	Marine on St.	33.20	355	P	P	12 49 58.9	-3.2
MTPU	Mount Pierson	33.22	325	eP	P	12 50 03.4	+0.5
TRY	Troy	33.23	21	eP	P	12 50 05.7	+3.2
GMRC	Granite Mount	33.24	317	P	P	12 50 02.4	-0.5
SUSD	Miller	33.40	347	P	P	12 50 03.6	-0.4
I55A	Frankford	33.41	15	P	P	12 50 03.5	-0.5
SZCU	Shurtz Canyon	33.43	324	eP	P	12 50 04.7	+0.1
P17A	Butcher Ranch	33.49	328	eP	P	12 50 03.6	-1.4
P17A	Butcher Ranch	33.49	328	eS	S	12 55 31.0	+5.4
F41A	Three Lakes	33.53	360	eP	P	12 50 07.5	+2.4
MSU	Marysville	33.55	326	eP	P	12 50 10.2	+4.5
CCUT	Cedar City	33.56	323	eP	P	12 50 06.9	+1.2
RWWY	Rawlins	33.59	335	eP	P	12 50 06.6	+0.6
SADO	Sadowa	33.63	12	P	P	12 50 03.5	-2.2
SADO	Sadowa	33.63	12	LR	LR	13 02 53.5	
SADO	Sadowa	33.66	12	eP	P	12 50 07.4	+1.8
F40A	Per Falls	33.73	358	P	P	12 50 07.3	+0.5
F39A	Loretta	33.76	357	P	P	12 50 07.0	0.0
TUQ	Turquoise Moun	33.80	318	P	P	12 50 10.1	+2.4
F38A	Pierce - Schro	33.85	356	P	P	12 50 07.6	-0.2
COWI	Conover	33.89	360	eP	P	12 50 09.5	+1.3
F48A	Evansville	34.08	8	P	P	12 50 11.2	+1.8
G53A	Haliburton	34.05	13	P	P	12 50 10.9	+1.4
K22A	Casper	34.12	336	eP	P	12 50 11.4	+1.0
K22A	Casper	34.12	336	P	P	12 50 11.2	+0.7
E39A	Mellen	34.20	358	P	P	12 50 10.2	-0.8
E43A	Lone Tree Farm	34.20	2	eP	P	12 50 11.2	+0.4
E43A	Lone Tree Farm	34.20	2	P	P	12 50 12.0	+1.1
E42A	Champion	34.23	1	P	P	12 50 11.2	0.0
E40A	Wakefield	34.25	319	P	P	12 50 12.1	+0.7
GSC	Goldstone, Bar	34.30	357	eP	P	12 50 15.3	+3.3
GSC	Goldstone, Bar	34.30	357	P	P	12 50 14.7	+2.6
MPU	Maple Canyon	34.35	328	eP	P	12 50 14.2	+1.7
E38A	The Farm, Brul	34.48	357	eP	P	12 50 13.0	-0.3
E38A	The Farm, Brul	34.48	357	P	P	12 50 12.8	-0.5
RSSD	Black Hills	34.51	340	eP	P	12 50 14.6	+0.7
RSSD	Black Hills	34.51	340	P	P	12 50 14.1	+0.3
PSUT	Pine Spring	34.51	324	eP	P	12 50 16.6	+2.6
F52A	Sundridge	34.54	12	P	P	12 50 15.4	+1.5
MWC	Mount Wilson	34.56	314	eP	P	12 50 15.0	+0.6
G55A	Calabogie	34.62	15	P	P	12 50 15.3	+0.8
PASC	Pascaden	34.62	314	eP	P	12 50 18.1	+3.4
LONY	Lake Ozonia	34.63	18	eP	P	12 50 17.2	+2.6
LONY	Lake Ozonia	34.63	18	eP	sP	12 50 24.6	+0.1
E48A	Lockeyer	34.73	8	P	P	12 50 15.9	+1.2

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Status, Frequency, etc. Includes stations like U50A Jamestown, MSTX Muleshoe, T42A Van Buren, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Status, Frequency, etc. Includes stations like SPMN Marine on St., SUSD Miller, SHPR Sheep Range, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Status, Frequency, etc. Includes stations like NOA, ARCES ARCES Array B, CLLD Colling, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Status, Frequency, etc. Includes stations like DHMR 15 13:07:39.3, Western Arabian Peninsula, etc.

15 13:20:25.5: 1.8, 37.40N: 143.70E, h0km, mb3.5/4, mb1 3.6/7, mb1mx3.4/38, mbmt3.6/7, ML3.3/3, Error ellipse: s-maj=45.9km s-min=22.2km az=77.0

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Status, Frequency, etc. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JKM JKM, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Status, Frequency, etc. Includes stations like MEX 15 13:37:29.8, 0.1632N-97.85W, h1km, 5km, MD3.7, etc.

15 13:46:04.4: 4.49, 0.24: 18S: 176.25W, h0km, mb4.5/3, mb1 4.7/2, mb1mx3.9/24, mbmt3.4/3, Error ellipse: s-maj=89.1km s-min=56.0km az=88.0

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Status, Frequency, etc. Includes stations like GLEK Green Lake, GLKZ Glkz, OUZ Omahuta, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Status, Frequency, etc. Includes stations like DZM Mont Dzamac, DZM Ureware, DZM Ureware, etc.

15d 15h

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

MEX 15 14:13:55.6:0.6, 14:08N:92:12W, h141km, 18km, MD3.9, Near coast of Chiapas

IDC 15 14:28:58.4:2.1, 12:87N:90:10W, h0km, mb3.1/3, mb1 3.7/6, mb1mx3.5/30, mbtm3.4/6, ML3.4/3, Error ellipse: s-maj=55.6km s-min=17.2km az=40.0

ISC 15 14:29:02.5:1.1, 12:92N:0:1:90:1W:0:1, h29km, n6, -19:03/6, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like APG El Apazole, APG Juntas Abangare, JTS Juntas Abangare, etc.

GUC 15 14:59:46.6:0.6, 37:18S:74:60W, h22km, 5km, ML3.9

IDC 15 14:59:50.1:1.8, 37:19S:73:89W, h0km, mb3.6/3, mb1 3.8/5, mb1mx3.7/17, mbtm3.6/5, ML3.7/2, MS2.7/2, Ms1 2.7/2, ms1mx2.6/25, Error ellipse: s-maj=49.2km s-min=20.6km az=61.0

ISCJB 15 14:59:52.5:0.8, 37:27S:0:06:74:1W:0:1, h33km, mb3.6/3, Error ellipse: s-maj=13.5km s-min=7.1km az=21.9

ISC 15 14:59:54.2:1.1, 37:17S:0:06:74:2W:0:1, h35km, n14, az=217/18, mb3.5/3, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CCSP San Pedro de C, CCHI Chilean, TMU Temuco, etc.

ISCJB 15 15:16:01.6:0.4, 17:84N:0:03:100:07W:0:0, h59km, 5km, mb3.4/4, MS3.5/1, Error ellipse: s-maj=5.0km s-min=4.7km az=22.7

NEIC 15 15:16:03.9:0.0, 17:84N:100:07W, h53km, MD4.0(MEX), After MEX

MEX 15 15:16:04.0:0.7, 17:84N:100:07W, h53km, 5km, MD4.0

IDC 15 15:16:06.4:4.9, 17:96N:97:11W, h92km, 43km, mb3.2/4, mb1 3.5/7, mb1mx3.3/43, mbtm3.3/47, MS3.0/2, Ms1 3.0/2, ms1mx2.8/16, Error ellipse: s-maj=59.2km s-min=18.2km az=46.0

ISC 15 15:16:02.4:0.8, 17:85N:0:03:100:05W:0:0, h57km, 7km, n45, -19:26/66, mb3.3/4, Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MEIG Mezcala, ARIG Puente Sto Nin, PLIG Platanillo, etc.

2012 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TPIG Tehuacan, TPIG Tehuacan, IGIG Irapuato, Guan, etc.

MEX 15 15:18:33.9:1.2, 2:44S:138:96E, h0km, mb3.3/3, mb1 3.7/4, mb1mx3.4/29, mbtm3.4/4, ML3.5/1, Error ellipse: s-maj=26.4km s-min=14.3km az=30.0, Irian Jaya

ISC 15 15:18:33.9:1.2, 2:44S:138:96E, h0km, mb3.3/3, mb1 3.7/4, mb1mx3.4/29, mbtm3.4/4, ML3.5/1, Error ellipse: s-maj=26.4km s-min=14.3km az=30.0, Irian Jaya

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

IDC 15 15:28:03.1:2.3, 12:90N:89:48W, h0km, mb3.9/8, mb1 4.1/9, mb1mx3.8/45, mbtm3.9/9, ML3.9/1, Error ellipse: s-maj=47.1km s-min=35.1km az=29.0

SNET 15 15:28:07.0:0.0, 12:76N:90:25W, h15km, mb3.8(NEIC)

ISCJB 15 15:28:09.3:1.0, 12:74N:0:07:90:17W:0:0, h58km, 9km, mb4.0/8, Error ellipse: s-maj=12.4km s-min=8.3km az=31.5

NEIC 15 15:28:12.8:1.3, 13:07N:90:03W, h57km, 11km, mb3.8/1, MD3(SNET), Error ellipse: s-maj=25.5km s-min=9.9km az=204.0

NEIC Fell (I) at San Salvador

ISC 15 15:28:12.3:1.5, 12:92N:0:1:90:13W:0:0, h65km, 12km, n40, -19:77/42, mb4.0/8, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CEVE Cerro Verde, SBLs San Blas, SNJE San Jose, etc.

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

ISCJB 15 15:37:35.2:0.5, 58:92N:0:04:154:3W:0:1, h134km, 5km, mb3.4/1, Error ellipse: s-maj=10.1km s-min=5.6km az=16.3

IDC 15 15:37:35.2:0.5, 59:14N:154:40W, h102km, 30km, mb3.3/1, mb1 3.3/5, mb1mx3.0/45, mbtm3.3/5, Error ellipse: s-maj=33.5km s-min=15.5km az=103.0

NEIC 15 15:37:40.0:0.5, 58:91N:154:39W, h124km, ML2.7(AEIC), After AEIC

ISC 15 15:37:36.2:1.0, 58:94N:0:04:154:34W:0:07, h129km, 9km, n35, -19:30/43, Alaska Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KARR Katmai Rainbow, CAHL Cahill, ILS Iliamna Low So, etc.

SKO 15 15:44:52.8:40:90N:21:07E, h20km, M1.8, ML2.3

ISCJB 15 15:44:52.8:40:90N:21:07E, h20km, M1.8, ML2.3

ATH 15 15:44:53.7:40:90N:21:14E, h28km, 1km, ML2.6/5, Error ellipse: s-maj=4.3km s-min=1.7km az=136.0

THE 15 15:44:53.3:40:90N:21:03E, h9km, 1km, ML2.3/9, Error ellipse: s-maj=1.2km s-min=0.7km az=249.0

ISC 15 15:44:53.4:1.0, 40:88N:0:02:21:05E:0.03, h14km, 7km, n29, -19:29/53, 2C-2D, Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BIA Bitola, FNA Florina, FNA Florina, etc.

IDC 15 15:35:47.4:10.0, 18:81S:178:24W, h556km, 117km, mb2.7/4, mb1 3.0/4, mb1mx2.8/28, mbtm3.6/4, Error ellipse: s-maj=112.6km s-min=37.7km az=147.0, Fiji Islands region

JMA 15 18:56:55.0,0.1,24.52N,122.60E,h100km,2km,M2.3
 ISC 15 18:56:55.7,1.3,24.57N,122.62E,0.02,h94km,7km,
 n99,e0587/70,Taiwan region

Code	Station Name	Δ° AZ°	Phase ID	Op	Time	Res
					h m s	ISC
JYNG	Yongunijimaku	0.31 111	P	S	18 57 09.8	+0.2
JYNG	Yongunijimaku	0.37 106	P	S	18 57 20.7	+0.1
YOJ	Yongunijima		S	S	18 57 20.9	+0.3
YOJ	Yongunijima	0.37 106	P	S	18 57 10.0	+0.1
YOJ	Yongunijima		eS	S	18 57 21.3	+0.7
EOS1	EOS1	0.45 268	eP	S	18 57 10.7	+0.3
EOS1	baz=258		S	S	18 57 22.3	+0.9
EGS	baz=282	0.69 294	eP	P	18 57 12.7	+0.3
TWC	Suao	0.71 274	P	P	18 57 12.2	-0.4
TWC	baz=273		S	S	18 57 24.6	-0.7
TWB1	Santiao Chiao	0.73 307	P	P	18 57 12.4	-0.4
TWB1	baz=302		eS	S	18 57 24.7	-0.9
NTC	Toucheng	0.78 292	eP	S	18 57 13.3	0.0
NTC	baz=284		eS	S	18 57 25.9	-0.5
ENA	Nanau	0.82 260	P	P	18 57 13.7	0.0
ENA	baz=254		S	S	18 57 27.3	+0.1
ILA	ilan	0.82 284	P	P	18 57 13.9	+0.1
ILA	baz=278		S	S	18 57 27.5	+0.3
TIPB	Shuangxi	0.83 299	P	P	18 57 13.9	0.0
TWE	Neicheng	0.88 280	P	P	18 57 14.4	+0.1
TWE	baz=276		S	S	18 57 28.4	0.0
ENTT	Nioudou	0.97 275	P	P	18 57 15.8	+0.5
ENTT	baz=269		eS	S	18 57 30.5	+0.5
ENNT	baz=269		eS	S	18 57 30.5	+0.5
NACB	Ninganchiao	1.02 248	eP	P	18 57 15.2	-0.6
NACB	baz=240		S	S	18 57 30.6	-0.4
TWA	Mucha	1.03 294	P	P	18 57 16.1	+0.1
TWA	baz=284		S	S	18 57 30.6	-0.7
IRIF	Iriomote-Funau	1.03 103	P	P	18 57 16.1	+0.1
IRIF			S	S	18 57 31.4	+0.1
NWL1	Wulai	1.04 282	P	P	18 57 16.4	+0.2
TWD	Chiawan	1.05 243	P	P	18 57 15.9	-0.4
TWD	baz=235		eS	S	18 57 31.4	-0.4
YM07	baz=235	1.09 304	P	P	18 57 17.1	+0.3
YM07	YM07		eS	S	18 57 32.9	+0.2
YMO7	baz=302		eS	S	18 57 32.9	+0.2
TAP1	Taipei	1.11 295	eS	S	18 57 32.2	-0.6
TAP1	baz=285		eS	S	18 57 16.3	-0.6
TATO	Taipei	1.11 292	eP	P	18 57 31.6	-1.3
TATO	baz=282		eS	S	18 57 31.6	-1.3
YMO1	YM01	1.12 301	eP	P	18 57 18.3	+1.2
YMO1	YM01		eS	S	18 57 33.0	-0.2
YMO1	baz=290		eS	S	18 57 33.0	-0.2
TAP	Taipei	1.12 295	eS	S	18 57 32.8	-0.3
YMO11	YM11	1.12 302	eP	P	18 57 17.4	+0.2
YMO11	baz=294		eP	P	18 57 17.5	+0.2
YMO5	YM05	1.13 302	eP	P	18 57 17.1	-0.2
NNSB	Datong	1.14 263	P	P	18 57 17.4	0.0
NNSB	baz=254		eS	S	18 57 33.8	+0.1
YHNB	Yeheng	1.14 275	eP	P	18 57 17.7	+0.3
YHNB	baz=273		S	S	18 57 33.9	+0.2
ENLB	Shoufeng	1.14 235	P	P	18 57 17.3	0.0
ENLB	baz=233		S	S	18 57 34.0	+0.4
NNS	Nan Shan	1.15 264	P	P	18 57 17.6	+0.1
NNS	baz=256		eS	S	18 57 33.7	-0.2
YMO4	YM04	1.15 301	P	P	18 57 17.5	+0.1
YMO4	baz=290		eS	S	18 57 33.2	-0.5
NSK	Sanguang	1.16 276	P	P	18 57 17.7	+0.2
NSK	baz=267		eS	S	18 57 33.7	-0.3
YMO3	YM03	1.16 302	eP	P	18 57 16.8	-0.7
YMO3	baz=291		eS	S	18 57 34.2	+0.2
TWY	Chenhua	1.17 307	eS	S	18 57 34.9	+0.3
HATJ	Hateruma jima	1.19 115	eS	S	18 57 34.9	+0.3
TWS1	Kuangyinshan	1.22 296	P	P	18 57 18.4	+0.2
TWS1	baz=289		S	S	18 57 35.0	-0.1
NTST	Danshui	1.22 299	eS	S	18 57 34.6	-0.6
WLTB	Daxi	1.28 283	eP	P	18 57 19.3	+0.4
WLTB	baz=285		eS	S	18 57 36.9	+0.5
JKRS	Kuro-shima	1.30 104	P	P	18 57 19.6	+0.4
JKRS			S	S	18 57 37.6	+0.6
WHF	Hehuan Shan	1.31 252	P	P	18 57 19.7	0.0
WHF	baz=250		S	S	18 57 37.4	-0.4
ESL	Shiin	1.32 236	P	P	18 57 18.8	-0.7
ESL	baz=234		eS	S	18 57 36.8	-0.5
TWT	Tachien	1.36 257	P	P	18 57 20.6	+0.5
TWT	baz=255		eS	S	18 57 38.2	-0.2
NCU	National Center	1.37 287	eP	P	18 57 20.3	+0.3
NCU	baz=294		eS	S	18 57 38.6	+0.3
NCUH	Zhongli	1.37 287	eS	S	18 57 38.4	0.0
TDCB	Techi	1.37 257	P	P	18 57 20.8	+0.6
TDCB	baz=255		S	S	18 57 38.2	-0.5
JJJ	Ishigaki jima	1.40 98	P	P	18 57 20.3	-0.1
JJJ			eS	S	18 57 39.6	+0.5
EGFH	Guangfu	1.41 231	P	P	18 57 20.2	-0.4
EGFH	baz=229		eS	S	18 57 38.6	-0.7
CHGB	Renai	1.42 249	P	P	18 57 21.1	+0.2
CHGB	baz=242		eS	S	18 57 39.7	-0.1
LIOB	Emei	1.47 273	eP	P	18 57 21.4	+0.2
LIOB	baz=272		eS	S	18 57 41.2	+0.6
NSTT	Nanjiang	1.48 273	P	P	18 57 22.0	+0.6
NSTT	baz=271		eS	S	18 57 41.0	+0.2

SBCB	Hsinchu	1.51 279	eP	P	18 57 22.3	+0.5
SBCB	baz=277		S	S	18 57 42.2	+0.7
HGSD	Ruisui	1.53 226	eP	P	18 57 21.6	-0.4
HGSD	baz=223		eS	S	18 57 41.0	-1.1
JISG	Ishigakijimahi	1.54 89	P	P	18 57 22.1	0.0
JISG			S	S	18 57 41.4	-0.7
VWDT	VWDT	1.58 239	P	P	18 57 22.9	+0.3
VWDT	baz=233		eS	S	18 57 42.4	-0.6
EHY	Hungye	1.59 229	eP	P	18 57 22.1	-0.7
EHY	baz=227		eS	S	18 57 42.6	-0.7
NMLH	Miaoili	1.67 269	P	P	18 57 24.5	+0.7
NMLH	baz=260		eS	S	18 57 46.0	+0.9
YULB	Yu-li	1.68 226	eP	P	18 57 23.2	-0.9
YULB	baz=232		eS	S	18 57 43.9	-1.6
TWQ1	Liyuan	1.70 263	eP	P	18 57 24.6	+0.4
TWQ1	baz=261		eS	S	18 57 46.4	+0.5
TWF1	Yuli	1.71 225	eP	P	18 57 23.9	-0.4
TWF1	baz=231		eS	S	18 57 45.2	-0.9
SMLT	Sun Moon Lake	1.71 247	P	P	18 57 25.2	+0.7
SMLT	baz=239		eS	S	18 57 47.1	+0.8
TYC	Yuchr	1.74 248	eP	P	18 57 25.7	+1.0
TYC	baz=241		eS	S	18 57 47.4	+0.6
PTSB	Yuanli	1.75 267	eP	P	18 57 24.8	0.0
PTSB	baz=265		eS	S	18 57 47.5	+0.5
TCU	Taichung	1.82 257	eP	P	18 57 49.2	+0.6
FULB	Ful	1.83 222	eP	P	18 57 25.6	-0.2
FULB	baz=214		eS	S	18 57 48.3	-0.4
CHKT	Chengkung	1.86 219	P	P	18 57 25.5	-0.8
CHKT	baz=212		S	S	18 57 47.5	-1.9
WJS	Zhushan	1.88 247	eP	P	18 57 27.7	+1.2
WJS	baz=239		eS	S	18 57 52.3	+2.3
JTJ	Tarama	1.89 87	P	P	18 57 27.1	+0.5
JTJ			S	S	18 57 50.4	+0.2
WNT	Mingjian	1.90 249	eP	P	18 57 27.3	+0.5
WNT	baz=247		eS	S	18 57 52.3	+1.9
WCHH	Zhanghua	1.94 256	eP	P	18 57 51.4	0.0
WCHH	baz=262		eS	S	18 57 28.8	+0.8
ALS	Alisan	1.97 238	eP	P	18 57 28.8	+0.8
ALS	baz=236		eS	S	18 57 53.1	+0.7
ELDTW	Lidau	2.01 227	eP	P	18 57 27.5	-0.8
ELDTW	baz=225		eS	S	18 57 52.1	-1.1
WGK	Gukeng	2.08 245	eP	P	18 57 30.2	+1.2
WGK	baz=254		S	S	18 57 57.1	+2.6
WDLH	Dehui	2.10 246	eS	S	18 57 57.7	+2.8
RLNB	Erlin	2.17 252	eP	P	18 57 30.5	+0.2
RLNB	baz=260		eS	S	18 57 56.5	-0.3
CHN4	Tsaushan	2.22 237	eP	P	18 57 32.3	+1.4
CHN4	baz=236		S	S	18 57 59.9	+2.1
TPUB	Tapu	2.22 236	eP	P	18 57 32.1	+1.1
TPUB	baz=234		S	S	18 57 59.9	+2.0
TWGBT	Beinan	2.24 219	eP	P	18 57 30.2	-1.0
TWGBT	baz=217		eS	S	18 57 57.4	-1.1
TWGT	Ping	2.25 220	P	P	18 57 30.8	-0.5
TWGT	baz=217		eS	S	18 57 57.5	-1.0
WTP	Ta-pu	2.26 235	eP	P	18 57 32.8	+1.3
WTP	baz=233		eS	S	18 58 00.3	+1.4
CHY	Chiayi	2.27 243	eP	P	18 57 33.1	+1.5
CHY	baz=253		S	S	18 57 59.6	-0.9
JIRB	Irabujima	2.33 83	S	S	18 57 33.5	+0.8
TKW	Hsinying	2.34 237	eP	P	18 57 33.5	+0.8
TKW	baz=235		eS	S	18 58 01.7	+0.8
CHN1	Nanshi	2.36 235	P	P	18 57 33.7	+0.9
CHN1	baz=233		eS	S	18 58 02.9	+1.6
WSF	Szhu	2.38 248	eS	S	18 58 01.9	+0.2
SGST	Jiashian	2.38 232	eP	P	18 57 34.6	+1.5
SGST	baz=240		eS	S	18 58 03.0	+1.3
SLGT	Liugui	2.39 230	eP	P	18 57 34.6	+1.4
SLGT	baz=238		S	S	18 58 03.8	+1.8
JKMK	Ikemajima	2.41 81	S	S	18 58 02.3	-0.1
JMJ	Miyako jima 2	2.44 84	eS	S	18 58 02.6	-0.5
ECL	Taimali	2.49 218	eP	P	18 57 33.2	-1.3
ECL	baz=216		eS	S	18 58 02.0	-2.2
CHN8	Yiju	2.52 242	eS	S	18 58 05.6	+0.7
CHN8	baz=250		eS	S	18 58 06.7	+1.3
JOGS	Gusukube	2.54 85	eS	S	18 57 37.1	+1.5
SSD	Sandimen	2.57 226	eP	P	18 57 37.1	+1.5
SSD	baz=223		eS	S	18 58 07.3	+1.0
MASBT	Mashibuluo	2.67 224	eP	P	18 57 37.7	+0.8
MASBT	baz=233		eS	S	18 58 09.6	+1.1
LAY	Lan-yu	2.70 202	eP	P	18 57 36.7	-0.7
LAY	baz=196		P	P	18 57 37.0	-0.6
EAST	Anshuo	2.72 217	eP	P	18 57 37.0	-0.6
PTTC	Pingtan	2.75 290	eP	P	18 57 37.2	-0.7
PTTC	baz=282		eP	P	18 57 39.3	-0.9
VWUC	VWUC	2.92 279	eP	P	18 57 39.5	-1.5
PHUB	Peng-hu	2.98 250	eP	P	18 57 39.5	-1.5
PHUB	baz=249		eS	S	18 58 13.5	-2.5
LYJJ	Jianjiangzhen	3.25 308	eP	P	18 57 43.7	-1.0
LYJJ	baz=306					

IGIL 15 18:59:53.7,38.03N,3.29W,h3km,ML3.6
 SFS 15 18:59:54.0,38.00N,3.20W,h3km,ML3.5,
 TORREPEROGIL (JAEN)
 IDC 15 18:59:54.2,3.4,38.11N,3.28W,h22km,25km,mb3,1/2,
 mb1 3.2/3,mb1mx3.0/48,mbtmp3.2/3,ML2.8/1,Error
 ellipse: s-maj=22.6km s-min=19.4km az=108.0

MDD 15 18:59:54.0,2.0,38.04N,3.29W,h3km,1km,mbLg3,7/46
 Error ellipse: s-maj=2.0km s-min=1.7km az=7.0,PRXIMO
 MDD EMS: V INTENSIDAD MAXIMA.
 INMG 15 18:59:54.3,1.6,38.03N,3.29W,h4km,2km,ML3.6,Error
 ellipse: s-maj=1.6km s-min=1.3km az=57.0
 LDG 15 18:59:55.8,0.3,38.02N,3.37W,h2km,ML3.3/3,Error
 ellipse: s-maj=7.8km s-min=3.6km az=154.0
 CNRM 15 18:59:55.1,37.84N,3.16W,h6km,ML3.7
 ISC 15 18:59:52.4,1.1,38.08N,0

Table with columns: Call sign, Frequency, Mode, Band, and other parameters. Includes stations like PBAR Barrancos, EBAD Badajoz, EMOS Mosqueruela, EGRO El Granado, etc.

Table with columns: Call sign, Frequency, Mode, Band, and other parameters. Includes stations like MORF Marneleite, PTEO Sao Teotônio, PVIS Viseu, PFVI Vila Bisbo, etc.

Table with columns: Call sign, Frequency, Mode, Band, and other parameters. Includes stations like MDT Midelt, EARI Arriondas, PGAV Gavieira, etc.

Vertical text block containing technical details and station information, including call signs like JIKH, JIKH, JIO, etc.

Table with columns: Code, Station Name, Frequency, Mode, Band, and other parameters. Includes stations like JIKH Ishinomakikubo, JIKH Ouri, etc.

M4.5/6, M5.7 4.3/7
 IDC 15:19:16:49.1,0.7,3.47S:100.65E,h0km,mb4.5/26,
 mb1 4.5/28,mb1mx4.3/64,mbtmp4.5/28,ML3.6/2,MS3.8/3,
 Ms1 3.9/3,ms1mx3.4/54,Error ellipse: s-maj=21.6km
 s-min=11.8km az=46.0
 MOS 15:19:16:49.9,0.9,3.47S:100.54E,h19km,mb5.0/26,Error
 ellipse: s-maj=12.1km s-min=6.1km az=110.8
 NEIC 15:19:16:50.2,0.2,3.54S:100.54E,h10km,mb4.9/41,Error
 ellipse: s-maj=6.9km s-min=4.1km az=49.0
 ISCJB 15:19:16:51.3,0.9,3.59S:100.55E,0.04,h30km,6km,
 mb4.8/38,MS4.0/2,Error ellipse: s-maj=7.9km
 s-min=3.4km az=46.0
 DJA 15:19:16:52.6,0.5,4.54x10.0E, h42km,7km, M4.5/19,
 mb4.6/17,mb4.8/6,MLv4.7/19,Mw(MB)4.1/6
 KLM 15:19:16:55.0,3.40S:100.46E,h182km,mb4.5
 ISC 15:19:16:48.8,1.2,3.59S:100.47E,0.05,h1km,7km,
 n261,r129/262,mb4.8/38,7C-3D,Southern Sumatera

Code	Station Name	A°	AZ°	Phase ID	Time	Res	
PPSI	Pulau Pagai	0.94	331	Op	ISC	h m s ISC	
PPSI				Pn	19 17 10.1	+1.0	
PPSI				S	19 17 23.6	+0.5	
KRJI	Kerinci	1.79	34	P	Pb	19 17 22.0	-0.4
MASI	Maura Aman, Be	1.82	76	P	Pb	19 17 22.8	-0.2
MNAI	Manna	2.60	107	ePn	Sn	19 17 32.6	+0.7
MNAI				eSn	Sn	19 18 03.5	-0.6
MNAI				eSn	Sn	19 17 32.6	+1.0
SISI	Saibi	2.64	328	P	Pn	19 17 32.4	0.0
SDSI	Padang	2.66	360	P	Pn	19 17 33.4	+0.6
SDSI	Sungai Dareh	2.81	20	P	Pn	19 17 35.8	+1.0
PPI	Padang Panjang	3.11	359	P	Pn	19 17 39.9	+0.9
MDSI	Maura Dua	3.81	104	P	Pn	19 17 49.5	+1.0
LWLI	Lwa	3.85	112	P	Pn	19 17 50.5	-1.2
BKNI	Bangkitang	3.93	8	ePn	Pn	19 17 50.2	0.0
BKNI	Bangkitang	3.93	8	P	Pn	19 17 51.1	+0.8
MNSI	Mandailing Nat	4.45	348	P	Pn	19 17 57.3	0.0
KASI	Kota Agung	4.45	116	P	Pn	19 17 57.8	+0.4
KLI	Kotabumi	4.56	106	P	Pn	19 18 00.1	+1.2
GSI	Gunung Sitoli	5.08	329	ePn	Pn	19 18 14.1	+0.1
GSI	Gunung Sitoli	5.66	329	P	Pn	19 18 13.9	-0.1
PPBI	Pangkal Pinang	5.84	76	P	Pn	19 18 17.7	+1.2
CGJI	Cibinong	6.01	120	P	Pn	19 18 17.7	-1.1
TPRI	Tanjung Pinang	6.04	42	P	Pn	19 18 20.9	+1.6
MYKOM	Kota Tinggi	6.32	32	ePn	Pn	19 18 24.1	+0.9
MYKOM	Kota Tinggi	6.32	32	P	Pn	19 18 25.0	+1.8
PSI	Prapat	6.53	346	Pn	Pn	19 18 23.1	-3.1
PSI				P	1.1m,0.3s,baz=180,slow=1.1,SNR=7.8		
PSI	Prapat	6.53	346	ePn	Pn	19 18 22.7	-3.4
PSI	Prapat	6.53	346	P	Pn	19 18 22.7	-3.4
KCSI	Kotacane, Aceh	7.56	339	P	Pn	19 18 40.6	+0.4
LEMI	Lembang	7.81	115	Pn	Pn	19 18 41.9	-1.9
LEM	Lembang	8.01	115	P	Pn	19 18 45.1	+1.3
IPM	Ipo	7.83	4	ePn	Pn	19 18 48.7	+2.0
CISI	Cisomet, Garu	8.31	119	ePn	Pn	19 18 49.5	-1.0
CISI	Cisomet, Garu	8.31	119	P	Pn	19 18 49.8	-0.7
XMSI	Christmas Isia	8.56	143	P	Pn	19 18 52.8	-1.4
KULM	Kulim	8.82	1	ePn	Pn	19 18 55.6	-1.9
KPJJ	Karang Pucung	9.21	114	P	Pn	19 19 04.1	+1.3
COCO	West Island	9.27	203	ePn	Pn	19 19 02.5	-1.2
COCO	West Island	9.27	203	P	Pn	19 19 02.5	-1.2
LHMI	Lhok Sumawe	9.44	338	ePn	Pn	19 19 04.5	-1.4
LHMI	Semau	10.51	110	ePn	Pn	19 19 20.6	0.0
UGM	Wanagama	10.89	114	ePn	Pn	19 19 27.3	+1.5
PWJI	Pagerwojo	12.11	112	P	Pn	19 19 43.9	+1.4
SBUM	Sibu	13.19	63	ePn	Pn	19 19 55.5	-1.8
JAGI	Jajag, Banyuwangi	14.44	110	ePn	Pn	19 20 12.7	-1.9
SRAK	Srakaw	17.56	5	P	Pn	19 20 56.4	+0.3
PLAI	Plampang	17.97	108	P	Pn	19 20 58.7	-1.4
KKM	Kota Kinabalu	18.41	59	ePn	Pn	19 21 02.2	-3.3
UTHA	Uthaitani	19.05	357	P	Pn	19 21 16.0	+2.8
SPSI	Sidrap Palu	19.26	92	P	Pn	19 21 14.7	-0.2
KAPI	Kappang	19.28	95	ePn	Pn	19 21 16.1	0.0
BNSI	Bone	19.61	93	P	Pn	19 21 18.3	-0.4
BKSI	Bulukumba	19.67	96	P	Pn	19 21 18.3	-1.1
UMPA	Umpang Tak	19.73	355	P	Pn	19 21 24.8	+3.3
MPSI	Mopang	20.04	1	ePn	Pn	19 21 21.0	+0.1
PBKT	Sadao Pong	20.04	1	P	Pn	19 21 21.7	-1.6
SKNT	Sakolnako	20.72	10	P	Pn	19 21 29.7	-1.1
SUKH	Sukhothai	20.95	358	P	Pn	19 21 37.5	+1.7
UTTA	Utataradit	21.20	0	P	Pn	19 21 40.2	+4.3
CM01	Chiang Mai Arr	21.92	356	eP	P	19 21 41.6	-2.1
CM31	Chiang Mai Arr	21.96	356	eP	P	19 21 42.4	-1.7
CM31	Chiang Mai Arr	21.96	356	P	Pn	19 21 42.6	-1.5
CMAR	comp=Z,13nm,0.9s,baz=185,slow=8.8,SNR=35			PcP		19 25 43.9	+0.6
CMAR	comp=Z,0.8nm,0.8s,baz=199,slow=2.8,SNR=5.4			LR		19 30 24.7	
LAMP	Lampang	21.99	358	P	Pn	19 21 47.3	+2.9
LAMP	comp=Z,8.1nm,1.0s,comp=Z,8.1nm			P		19 21 49.1	+1.2
CHTO	Chiang Mai	22.31	356	eP	P	19 21 46.6	-1.3
CHTO	Chiang Mai	22.31	356	eP	Pn	19 21 46.6	-1.3
CHTO	Chiang Mai	22.31	356	P	Pn	19 21 49.2	+1.3
LWUI	Luwu	22.43	84	eP	Pn	19 21 49.6	+0.4
PALK	Pallekele	22.48	299	LR	LR	19 29 20.1	
PAYA	Paya	22.51	135	eP	Pn	19 21 54.5	+1.2
GIRL	Giralla	23.17	146	eP	Pn	19 21 58.0	+1.1
BATI	Baumata	23.93	107	P	Pn	19 22 02.0	-2.7
QIZ	Qiongzong	24.20	22	P	Pn	19 22 09.8	+1.9
QIZ	Qiongzong	24.20	22	S	P	19 26 29.4	+1.5
QIZ	comp=Z,250nm,8.8s			LR	LR		
QIZ	comp=Z,270nm,11.3s			LR	LR		
QIZ	comp=Z,160nm,9.9s			LR	LR		
QIZ	comp=Z,30nm,1.4s			eP	Pn	19 22 07.1	-0.9
SOEI	Soe	24.41	106	eP	Pn	19 22 09.0	-0.2
MBWA	Marble Bar	25.61	135	eP	Pn	19 22 20.9	+1.0
TNTI	Ternate	27.23	81	eP	Pn	19 22 32.8	-1.8
H0S2	Diego Garcia H	28.12	261	T	T	19 52 05.3	
H0S3	Diego Garcia H	28.13	261	T	T	19 52 04.0	
DGAR	Diego Garcia	28.14	261	eP	Pn	19 22 42.5	-0.1
DGAR	Diego Garcia	28.14	261	eP	Pn	19 22 42.6	-0.1
H0S1	Diego Garcia H	28.14	261	T	T	19 52 06.7	
H0N1	Diego Garcia H	29.47	263	T	T	19 54 11.7	
H0N2	Diego Garcia H	29.48	264	T	T	19 54 10.9	
H0N3	Diego Garcia H	29.49	263	T	T	19 54 12.6	
SHL	Shillong	30.16	344	eP	Pn	19 23 00.9	+0.2
SHL	Shillong	30.16	344	eP	Pn	19 23 00.9	+0.2
GYA	Guiyang	30.47	11	eP	Pn	19 23 05.8	+2.4
GYA	comp=Z,10nm,0.8s			Pmax	Pmax		

TPUB	Ta-pu	33.18	35	eP	P	19 23 27.8	+0.6
RAMN	Ramite	33.19	337	eP	P	19 23 29.6	+2.2
H01W2	Cape Leeuwin H	33.62	159	T	T	19 59 02.2	
H01W2	Cape Leeuwin H	33.64	159	T	T	19 59 03.3	
H01W1	Cape Leeuwin H	33.64	159	T	T	19 59 04.0	
JIRN	Jiri	33.98	337	eP	P	19 23 36.4	+1.9
PKIN	Phulchoki	34.23	336	eP	P	19 23 37.4	+0.9
LSA	Lhasa	34.28	346	eP	P	19 23 38.0	+0.8
LSA	Lhasa	34.28	346	eP	Pmax	19 23 38.0	+0.8
GUN	Gumba	34.33	337	eP	P	19 23 39.3	+1.8
DMN	Daman	34.37	335	eP	P	19 23 39.0	+1.2
KKN	Kandani	34.46	336	eP	P	19 23 40.0	+1.5
ENH	Enshi	34.76	14	eP	P	19 23 38.3	-2.5
KOLN	Koldanda	35.16	333	eP	P	19 23 46.2	+1.6
DANN	Dangsing	35.59	334	eP	P	19 23 49.7	+1.3
PYUN	Phuath	36.72	333	eP	P	19 23 50.6	+1.2
WRU	Warramunga Arr	36.80	119	P	P	19 23 58.2	-0.4
WRA	comp=Z,0.8nm,0.8s,baz=324,slow=9.0,SNR=28			PcP		19 26 20.8	-0.1
WR1	Warramunga Arr	36.80	119	eP	P	19 23 58.2	-0.4
WR1	Warramunga Arr	36.81	119	eP	P	19 26 20.8	-0.1
WR1	Tennant Creek	36.81	119	eP	P	19 23 59.2	+0.6
WRAB	Tennant Creek	36.81	119	iP	P	19 24 00.1	+1.5
ASAR	Alice Springs	37.96	125	P	P	19 24 08.6	+0.2
ASAR	comp=Z,0.8nm,0.8s,baz=320,slow=7.7,SNR=52			PcP		19 26 24.5	+0.1
AS31	Alice Springs	37.96	125	eP	P	19 24 08.3	0.0
XAN	Xi'an	38.27	11	P	P	19 24 10.0	-0.7
XAN	XAN			pP	pP	19 24 15.8	+4.5
XAN	XAN			pPmax	pPmax		
XAN	XAN			pPmax	pPmax		
XAN	XAN			LR	LR		
NJ2	Nanjing	39.52	25	eP	P	19 24 21.4	+0.2
LZH	Lanzhou	39.59	4	eP	P	19 24 22.5	+0.5
LZH	LZH			pP	pP	19 24 29.0	+6.4
LZH	LZH			pP	pP	19 24 32.4	+1.0
LZH	LZH			pPmax	pPmax		
LZH	LZH			pPmax	pPmax		
JOW	Jerusalem	40.45	40	eP	P	19 24 28.7	-0.4
GTA	Gaotai	42.79	359	iP	P	19 24 48.4	+0.2
GTA	GTA			pP	pP	19 24 52.9	+4.1
GTA	GTA			pP	pP	19 24 55.4	+6.8
GTA	GTA			PcP	PcP	19 26 39.0	+0.4
GTA	GTA			S	S	19 31 12.8	-0.5
GTA	GTA			S	S	19 31 22.1	+8.1
GTA	GTA			pPmax	pPmax		
GTA	GTA			pPmax	pPmax		
GTA	GTA			LR	LR		
GTA	GTA			LR	LR		
GTA	GTA			LR	LR		
BTO	Bucklebo	44.19	135	eP	P	19 25 00.9	+1.3
BBO	Baotou	44.84	10	eP	P	19 25 00.3	-4.4
NIL	Nilore	45.08	327	eP	P	19 25 06.3	-0.3
NIL	Nilore	45.08	327	eP	Pmax	19 25 06.3	-0.3
HHC	Hu-ho-hao-te	45.38	12	eP	P	19 25 10.1	+1.2
HHC	HHC			sP	sP	19 25 17.4	+7.9
HHC	HHC			S	S	19 31 54.3	+3.4
HHC	comp=Z,130nm,1.0s			pPmax	pPmax		
HHC	comp=Z,400nm,5.8s			pPmax	pPmax		
BJT	Baijiatuu	45.73	17	eP	P	19 25 11.4	-0.2
BJT	Baijiatuu	45.73	17	eP	P	19 25 11.4	-0.2
BJT	Beijing	45.75	17	eP	Pmax	19 25 12.3	+0.6
BJI	Beijing	45.75	17	eP	Pmax	19 25 17.9	-1.8
JNU	Nakatsue	46.49	36	P	P	19 25 15.9	-1.8
JNU	Nakatsue	46.49	36	eP	P	19 25 17.4	-0.4
CTAO	Charters Tower	47.52	114	eP	P	19 25 25.9	-0.1
CTAO	Charters Tower	47.52	114	eP	Pmax	19 25 25.9	-0.1
STKA	Stevens Creek	47.76	131	P	P	19 25 28.6	+1.0
STKA	Stevens Creek	47.76	131	eP	P	19 25 28.1	+0.4
STKA	Stevens Creek	47.76	131	eP	Pmax	19 25 28.1	+0.4
KBL	Kabul	48.09	325	eP	P	19 25 29.4	-1.0
KBL	Kabul	48.09	325	eP	Pmax	19 25 29.4	-1.0
KS15	Wonju Array						

15d 19h

Table with columns: Station Name, Time, Res, ISC, etc. Includes stations like KLMR, AKASG, AKKB, GERES, ILAR, NVAR, PDAR, WMOK, etc.

MAN 15:19:20.51, 13.32N, 121.50E, h13km, mb4.3, ML3.2, MS2.9, 1C, Mindoro

Table with columns: Code, Station Name, Time, Res, ISC, etc. Includes stations like BOAC, SJMP, OTRP, etc.

MOS 15:19:30.00.9.0.4.59S: 153.07E, h52km, mb6.4/72, MS5.7/60, Error ellipse: s-maj=6.1km s-min=4.9km az=102.5

ISCJB 15:19:30.00.4.0.6.4.60S: 0.02E: 153.02E: 0.01, h46km, 4km, mb5.9/389, MS5.0/209, Error ellipse: s-maj=2.9km s-min=2.4km az=44

IDC 15:19:30.01.0.1.0.4.63S: 153.10E, h37km, 7km, mb5.8/45, mb1.5/846, mb1mx5.8/47, mbtmp6.0/46, ML6.0/1, MS5.4/36, MS1.5/36, ms1mx5.3/41, Error ellipse: s-maj=10.5km s-min=7.4km az=65.0

BUI 15:19:30.01.5.4.71S: 152.92E, h60km, mb6.1/84, mb6.1/68, MS5.8/94, MS7.5/787

NEIC 15:19:30.02.0.1.4.63S: 153.02E, h52km, mb5.9/271, MS5.6, MW6.1, MW6.1, MW6.1, Error ellipse: s-maj=2.6km s-min=2.4km az=138.0, Moment Tensor Solution. s37 Moment tensor: Scale 10^18Nm; M1: 1.70; M2: -1.36; M3: -0.34; Mw0.85; Mw0.25; Mw0.21; Best double couple: M1: 8.0000e-1018; NP1: 8.291.00000; 8.32.00000e-106.00000e-01; NP2: 8.91.00000e-085.00000e-01; 8.80.00000e-01; Principal axes: T: 1.9500, Plg74.0000, Azm336.0000; N: -0.3400, Plg9.0000, Azm97.0000; P: -1.6100, Plg14.0000, Azm189.0000; Broadband fault plane solution. P waves: NP1: 265.00000e-030.00000e-01; 8.90.00000e-01; NP2: 85.00000e-086.00000e-01; 8.90.00000e-01; Principal axes: T: Plg75.0000, Azm355.0000; N: Plg0.0000, Azm0.0000; P: Plg15.0000, Azm175.0000; Apparent Stress 0.20 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism

NEIC 15:19:30.03.0.0.0.4.72S: 152.96E, h60km, Moment Tensor Solution. s47 Moment tensor: Scale 10^18Nm; M1: 1.37; M2: -1.28; M3: -0.09; Mw0.78; Mw0.19; Mw0.23; Best double couple: M1: 6.0000e-1018; NP1: 8.87.00000e-086.00000e-01; 8.78.00000e-01; NP2: 290.00000e-083.00000e-01; 1.10.00000e-01; Principal axes: T: 1.6300, Plg71.0000, Azm328.0000; N: -0.1200, Plg10.0000, Azm92.0000; P: -1.5100, Plg14.0000, Azm185.0000

DJA 15:19:30.06.4.0.7.5.3.15.3E: h89km, 6km, M6.0/110, mb6.3/98, mb6.1/110, ML6.6/41, Mw(mb)6.0/98, Mw(p)5.9/13

GCMT 15:19:30.06.2.0.1.4.85S: 152.95E, h57km, MW6.1/144, Moment Tensor Solution. s144.0319; s135.0484; Duration: 27. Moment tensor: Scale 10^18Nm; M1: 1.50e-01; M2: -1.59e-01; M3: 0.09e-01; Mw0.62e-01; Mw0.14e-01; Mw0.15e-01; Best double couple: M1: 6.7700e-1018; NP1: 8.87.00000e-086.00000e-01; 8.81.00000e-01; NP2: 282.00000e-083.50000e-01; 1.02.00000e-01; Principal axes: T: 1.6390, Plg77.0000, Azm329.0000; N: 0.0800, Plg7.0000, Azm92.0000; P: -1.7160, Plg11.0000, Azm184.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

NEIC 15:19:30.02.0.0.0.7.55S: 152.87E, h55km, Moment Tensor Solution. s75 Moment tensor: Scale 10^18Nm; M1: 1.52; M2: -1.41; M3: -0.11; Mw0.57; Mw0.15; Mw0.22; Best double couple: M1: 6.0000e-1018; NP1: 8.285.00000e-085.00000e-01; 1.05.00000e-01; NP2: 87.00000e-086.00000e-01; 8.0.00000e-01; Principal axes: T: 1.6600, Plg76.0000, Azm324.0000; N: -0.1400, Plg9.0000, Azm93.0000; P: -1.5300, Plg10.0000, Azm185.0000

ISC 15:19:30.03.0.1.0.3.4.64S: 0.03E: 153.08E: 0.03, h59km, 2km, h59km; p-P: N1868, s1552/2102, mb6.0/30, MS5.7/213, 76C-69D, New Ireland region

Table with columns: Code, Station Name, Time, Res, ISC, etc. Includes stations like RABL, MANU, PMG, etc.

2012 DEC

Main table with columns: Station Name, Time, Res, ISC, etc. Includes stations like HNR, JAY, PAYS, PATS, GENI, etc.

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Table with columns: Station Name, Time, Res, ISC, etc. Includes stations like WAKE, LHI, CMSA, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like Bataraza, Singaraja, Denpasar, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like Semarang, Deep Cove, Taipei, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like Qiongzong, MDSI, TPRI, etc.

15d 19h

Table with columns for call sign, name, frequency, and other details. Includes entries like KUU Kurchatov, KURB Kurchatov, KURK Kurchatov, etc.

2012 DEC

Table with columns for call sign, name, frequency, and other details. Includes entries like HUMO Hull Mountain, NLWA Neilton Lookou, YBH Yreka Blue Hor, etc.

800

Table with columns for call sign, name, frequency, and other details. Includes entries like F10A Beach Ranch, HEC Hector Ludlow, SHOC Shoshone, etc.

15d 19h

Table with columns for station call letters, frequency, and other details. Includes stations like KHC, KASPERSKY HORY, PENN ST - BRA, etc.

2012 DEC

Table with columns for station call letters, frequency, and other details. Includes stations like IOMK, SNF, BCIP, G003, DAVOX, etc.

804

Table with columns for station call letters, frequency, and other details. Includes stations like CPUP, VILLA FLORIDA, EMHD, etc.

15d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SWSC Sam W. Stewart, CPBX Cerro Prieto, RMX La Rumorosa, IKP In-Ko-Pah, etc.

IDC 15 20:13:34.3±0.0, 0.70N, 126.58E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.3/4.2, mbtmp3.6/3, Error ellipse: s-maj=181.9km s-min=25.1km az=66.0, Northern Moluca Sea

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

2012 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EGMT Eagleton, ECSD EROS Data Cent, 110CA LAC DU BONNET, etc.

UCR 15 20:32:17.4±1.8, 8.36N, 82.78W, h11km, 11km, MD4.0, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BRU2 Volcan, PTJ1 Puerto Jim'ne, EDPN Palmar Norte, etc.

ISCJB 15 20:37:23.4±0.5, 20.55S, 0.03, 69.06W, 0.09, h119km, 6km, mb3.9/4, Error ellipse: s-maj=13.4km s-min=5.5km az=0.0

IDC 15 20:37:2.2±0.4, 20.45S, 68.82W, h0km, 2km, mb3.0/3, mb1 3.6/8, mb1mx3.4/29, mbtmp3.9/8, Error ellipse: s-maj=34.2km s-min=17.7km az=119.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB08 IPOC Station P, PB01 IPOC Station P, PB11 IPOC Station P, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB06 IPOC Station P, LPAZ La Paz, SIV San Ignacio, etc.

ISCJB 15 21:02:10.0±0.3, 28.34N, 0.03, 129.52E, 0.05, h52km, 3km, mb3.6/12, Error ellipse: s-maj=8.6km s-min=3.2km

JMA 15 21:02:10.6±0.2, 28.38N, 129.49E, h35km, 2km, M3.8

IDC 15 21:02:13.1±1.5, 28.26N, 129.42E, h73km, 14km, mb3.4/12, mb1 3.6/15, mb1mx3.5/41, mbtmp3.7/15, Error ellipse: s-maj=23.1km s-min=11.6km az=110.0

ISC 15 21:02:10.2±0.8, 28.31N, 0.04, 129.56E, 0.04, h40km, 6km, n37, r167/50, mb3.7/12, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JAM Amami Oshima, JAMN Amaminishikomi, JJK Kikaisima, etc.

ISCJB 15 21:02:38.6±3.7, 1N, 126.62E, h28km, mb5.0, ML4.0, MS4.0

ISCJB 15 21:02:40.9±0.5, 4.04N, 0.07, 126.71E, 0.1, h53km, mb3.9/14, MS4.3/1, Error ellipse: s-maj=17.8km s-min=5.5km az=150.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 15 21:02:38.6±3.7, NEIC 15 21:02:42.4±1.3, etc.

15d 21h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like GTA, KNGR, KMI, etc.

2012 DEC

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like SOEI, KULM, KOLN, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like NB2, NOA, NOA, etc.

ISCBJ 15:21:34:54.0,3.51*49N.02:16:18E:0.02,h0km, mb3.8/8, Error ellipse: s-maj=2.5km s-min=1.9km az=13.8 LDG 15:21:34:55:0.1,51.49N,16:17E,h1km,M4,1/6,Error

ellipse: s-maj=3.9km s-min=3.0km az=15.0, Suspected Mining Induced.
 IDC 15 21:34:55.9.0.5.1:54N:16:07E, h0km, mb3.6/6, mb1 3.9/14, mb1mx3.6/63, mbtmp3.7/14, ML0.07, Error ellipse: s-maj=1.1km s-min=6.1km az=104.0
 MOS 15 21:34:55.2.1.1.51:59N:16:22E, h10km, mb0.4/0.5, Error ellipse: s-maj=8.1km s-min=3.9km az=85.7
 IPEC 15 21:34:55.9.0.4.51:53N:16:22E, h2km, mb2.5/3.3, Error ellipse: s-maj=4.1km s-min=1.9km az=57.0
 BGR 15 21:34:56.0.4.51:49N:16:18E, h1km, ML3.8/16, Error ellipse: s-maj=6.6km s-min=2.2km az=13.0
 PRU 15 21:34:58.3.0.0.51:47N:16:20E, h0km
 VIE 15 21:34:59.0.0.7.51:29N:16:13E, h0km, mb3.1/14, mb3.4/16, ms3.7/1, Error ellipse: s-maj=6.8km s-min=4.7km az=45.0 65 km WNW of Wroclaw Suspected Mining induced.

ISC 15 21:34:54.9.0.5.51:56N:0:02:16:16E:0:02, h0km, n140, a150/201, mb3.8/8, 24D, Poland

Code	Station Name	AZ	Phase ID	ISC	Time	Res
					h m s	ISC
KSP	Ksiaz	0.73 173	Op	Pg	21 35 09.5	+0.8
KSP	Ksiaz	0.73 173	e	Pg	21 35 19.0	+0.8
KSP	Ksiaz	0.73 173	iP	Pg	21 35 09.6	+0.8
KSP	Ksiaz	0.73 173	iP	Pg	21 35 18.8	+0.6
KSP	Ksiaz	0.73 173	iP	Pg	21 35 09.8	+0.8
UPC	Ujpec	1.06 185	iP	Pb	21 35 18.8	-0.3
UPC	Ujpec	1.06 185	e	Pb	21 35 29.5	+0.5
UPC	Ujpec	1.06 185	iP	Pb	21 35 15.8	-0.3
UPC	Ujpec	1.06 185	e	Pb	21 35 29.5	+0.5
DPC	Dobruska-Polom	1.22 175	eP	Pg	21 35 18.5	+0.2
DPC	Dobruska-Polom	1.22 175	iP	Pg	21 35 18.5	+0.2
DPC	Dobruska-Polom	1.22 175	e	Pg	21 35 37.7	-0.3
DPC	Dobruska-Polom	1.22 175	iP	Pg	21 35 18.5	+0.2
DPC	Dobruska-Polom	1.22 175	e	Pg	21 35 37.7	-0.3
PVCC	Panska Ves	1.44 225	eP	Pg	21 35 22.6	+0.1
PVCC	Panska Ves	1.44 225	e	Pg	21 35 42.5	+0.6
PVCC	Panska Ves	1.44 225	e	Pg	21 35 22.6	+0.1
PVCC	Panska Ves	1.44 225	e	Pg	21 35 42.5	+0.6
KRLC	Kraliky	1.54 165	eP	Pg	21 35 23.7	0.0
KRLC	Kraliky	1.54 165	e	Pg	21 35 43.9	+0.6
KRLC	Kraliky	1.54 165	e	Pg	21 35 23.7	0.0
KRLC	Kraliky	1.54 165	e	Pg	21 35 43.9	+0.6
BRG	Berggiesshubel	1.56 245	eP	Pn	21 35 23.5	-0.3
BRG	Berggiesshubel	1.56 245	e	Pn	21 35 46.2	+1.3
BRG	Berggiesshubel	1.56 245	e	Pn	21 35 23.5	-0.3
BRG	Berggiesshubel	1.56 245	e	Pn	21 35 46.2	+1.3
BRG	Berggiesshubel	1.56 245	e	Pn	21 35 23.5	-0.3
BRG	Berggiesshubel	1.56 245	e	Pn	21 35 46.2	+1.3
BRG	Berggiesshubel	1.56 245	e	Pn	21 35 23.5	-0.3
BRG	Berggiesshubel	1.56 245	e	Pn	21 35 46.2	+1.3
GKP	Gorka Klasztor	1.83 21	eP	Pg	21 35 29.8	-0.2
GKP	Gorka Klasztor	1.83 21	e	Pg	21 35 35.7	+6.4
GKP	Gorka Klasztor	1.83 21	e	Pg	21 35 37.0	+9.4
GKP	Gorka Klasztor	1.83 21	e	Pg	21 35 58.0	+4.3
GKP	Gorka Klasztor	1.83 21	e	Pg	21 35 05.0	+1.2
PRA	Prague	1.85 217	eP	Pn	21 35 28.8	-0.2
PRA	Prague	1.85 217	e	Pn	21 35 38.3	+0.4
PRA	Prague	1.85 217	e	Pn	21 35 30.3	-0.1
PRA	Prague	1.85 217	e	Pn	21 35 54.9	+0.5
PRA	Prague	1.85 217	e	Pn	21 35 28.3	+0.4
PRA	Prague	1.85 217	e	Pn	21 35 54.9	+0.5
GOPC	GO Pecny, Ondr	1.87 208	eP	Pn	21 35 28.1	0.0
GOPC	GO Pecny, Ondr	1.87 208	e	Pn	21 35 30.4	+0.5
GOPC	GO Pecny, Ondr	1.87 208	e	Pn	21 35 55.2	+0.3
GOPC	GO Pecny, Ondr	1.87 208	e	Pn	21 35 28.1	0.0
GOPC	GO Pecny, Ondr	1.87 208	e	Pn	21 35 30.4	+0.5
GOPC	GO Pecny, Ondr	1.87 208	e	Pn	21 35 55.2	+0.3
FBE	Freiberg	1.88 251	eP	Pn	21 35 28.4	+0.1
FBE	Freiberg	1.88 251	e	Pn	21 35 56.4	+1.2
PRU	Pruhonice	1.88 214	eP	Pn	21 35 28.3	0.0
PRU	Pruhonice	1.88 214	e	Pn	21 35 30.6	+0.5
PRU	Pruhonice	1.88 214	e	Pn	21 35 55.3	0.0
PRU	Pruhonice	1.88 214	e	Pn	21 35 28.3	0.0
PRU	Pruhonice	1.88 214	e	Pn	21 35 30.6	+0.5
PRU	Pruhonice	1.88 214	e	Pn	21 35 55.3	0.0
RAC	Raciborz	1.96 138	eP	Pb	21 35 31.9	+0.4
RAC	Raciborz	1.96 138	e	Pb	21 35 57.5	+0.4
CLL	Collim	1.99 264	eP	Pn	21 35 29.8	0.0
CLL	Collim	1.99 264	e	Pn	21 36 00.2	+1.3
CLL	Collim	1.99 264	e	Pn	21 35 29.8	0.0
CLL	Collim	1.99 264	e	Pn	21 36 00.2	+1.3
CLL	Collim	1.99 264	e	Pn	21 35 29.8	0.0
CLL	Collim	1.99 264	e	Pn	21 36 00.2	+1.3
MORC	Moravsky Berou	1.99 153	eP	Pn	21 35 29.6	-0.3
MORC	Moravsky Berou	1.99 153	iP	Pn	21 35 29.6	-0.3
MORC	Moravsky Berou	1.99 153	iP	Pn	21 35 29.6	-0.3
MORC	Moravsky Berou	1.99 153	iP	Pn	21 35 29.6	-0.3
MORC	Moravsky Berou	1.99 153	eP	Pn	21 35 29.7	-0.2
MORC	Moravsky Berou	1.99 153	e	Pn	21 35 46.5	+0.5
MORC	Moravsky Berou	1.99 153	e	Pn	21 35 29.6	-0.3
MORC	Moravsky Berou	1.99 153	e	Pn	21 35 29.6	-0.3
OKC	Ostrava-Krasne	2.14 143	eP	Pn	21 35 31.1	-0.8
OKC	Ostrava-Krasne	2.14 143	e	Pn	21 36 02.2	+0.6
OKC	Ostrava-Krasne	2.14 143	eP	Pn	21 35 31.1	-0.8
OKC	Ostrava-Krasne	2.14 143	e	Pn	21 35 35.4	+0.5
OKC	Ostrava-Krasne	2.14 143	e	Pn	21 36 02.1	+0.5
OKC	Ostrava-Krasne	2.14 143	e	Pn	21 35 31.1	-0.8
OKC	Ostrava-Krasne	2.14 143	e	Pn	21 36 02.1	+0.5
CHZP	Chorow	2.20 124	eP	Pg	21 35 37.6	+0.6
CHZP	Chorow	2.20 124	e	Pg	21 36 07.2	+1.7
VRAC	Vranov	2.27 173	eP	Pn	21 35 34.2	+0.5
VRAC	Vranov	2.27 173	e	Pn	21 35 38.1	-0.4
VRAC	Vranov	2.27 173	eP	Pn	21 35 34.2	+0.5
VRAC	Vranov	2.27 173	e	Pn	21 35 38.1	-0.4
VRAC	Vranov	2.27 173	eP	Pn	21 35 34.2	+0.5
VRAC	Vranov	2.27 173	e	Pn	21 35 38.1	-0.4
VRAC	Vranov	2.27 173	eP	Pn	21 35 34.2	+0.5
VRAC	Vranov	2.27 173	e	Pn	21 35 38.1	-0.4
VRAC	Vranov	2.27 173	eP	Pn	21 35 34.2	+0.5
VRAC	Vranov	2.27 173	e	Pn	21 35 38.1	-0.4
TREC	Trest	2.31 191	eP	Pg	21 35 38.8	-0.4
TREC	Trest	2.31 191	e	Pg	21 36 07.6	+1.0
TREC	Trest	2.31 191	e	Pg	21 35 38.8	-0.4
TREC	Trest	2.31 191	e	Pg	21 36 07.6	+1.0
KRUC	Kruc Moravsky	2.51 176	eP	Pn	21 35 37.5	+0.5
KRUC	Kruc Moravsky	2.51 176	eP	Pn	21 35 37.4	+0.5
KRUC	Kruc Moravsky	2.51 176	eP	Pn	21 36 13.2	+1.0
KRUC	Kruc Moravsky	2.51 176	eP	Pn	21 35 37.3	+0.4
KRUC	Kruc Moravsky	2.51 176	eP	Pn	21 35 37.3	+0.4
KRUC	Kruc Moravsky	2.51 176	eP	Pn	21 36 13.2	+1.0
TANN	Tannenberghtha	2.60 245	eP	Pn	21 35 39.0	+0.7

TANN	Ojcow	2.67 119	eSg	Pn	21 36 18.3	-0.3
OJC	Ojcow	2.67 119	ePn	Pn	21 35 37.4	-1.7
OJC	Ojcow	2.67 119	ePn	Pn	21 36 21.0	+0.5
OJC	Ojcow	2.67 119	ePn	Pn	21 35 37.5	-1.7
OJC	Ojcow	2.67 119	ePn	Pn	21 35 45.8	-0.2
OJC	Ojcow	2.67 119	ePn	Pn	21 35 45.8	-0.2
OJC	Ojcow	2.67 119	ePn	Pn	21 36 21.0	+0.5
OJC	Ojcow	2.67 119	ePn	Pn	21 35 37.5	-1.6
OJC	Ojcow	2.67 119	ePn	Pn	21 36 09.8	-0.8
OJC	Ojcow	2.67 119	ePn	Pn	21 35 40.1	+0.5
OJC	Ojcow	2.67 119	ePn	Pn	21 35 47.3	+0.7
OJC	Ojcow	2.67 119	ePn	Pn	21 36 24.0	+2.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 40.1</td> <td>+0.5</td>	ePn	Pn	21 35 40.1	+0.5
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 42.3</td> <td>+0.3</td>	ePn	Pn	21 35 42.3	+0.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 28.5</td> <td>-0.9</td>	ePn	Pn	21 36 28.5	-0.9
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 28.5</td> <td>-0.9</td>	ePn	Pn	21 36 28.5	-0.9
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 28.5</td> <td>-0.9</td>	ePn	Pn	21 36 28.5	-0.9
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 28.5</td> <td>-0.9</td>	ePn	Pn	21 36 28.5	-0.9
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 28.5</td> <td>-0.9</td>	ePn	Pn	21 36 28.5	-0.9
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 28.5</td> <td>-0.9</td>	ePn	Pn	21 36 28.5	-0.9
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 28.5</td> <td>-0.9</td>	ePn	Pn	21 36 28.5	-0.9
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 28.5</td> <td>-0.9</td>	ePn	Pn	21 36 28.5	-0.9
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 28.5</td> <td>-0.9</td>	ePn	Pn	21 36 28.5	-0.9
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 28.5</td> <td>-0.9</td>	ePn	Pn	21 36 28.5	-0.9
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 28.5</td> <td>-0.9</td>	ePn	Pn	21 36 28.5	-0.9
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 43.1</td> <td>+0.2</td>	ePn	Pn	21 35 43.1	+0.2
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 35 49.7</td> <td>+2.3</td>	ePn	Pn	21 35 49.7	+2.3
Novy Kostel	Novy Kostel	2.70 242 <td>ePn</td> <td>Pn</td> <td>21 36 18.6</td> <td>-0.4</td>	ePn	Pn	21 36 18.6	-0.4

Table with columns: Code, Station Name, Az, El, Op, ISC, Phase ID, Time, Res. Includes stations like MDOK Medeo, PDGK Podgornoye, OTUK Ortayu, MKAR Makanchi Array, etc.

IDC 15 21:41:55.8, 1.4, 4.20N, 126.52E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.4/4, mbtmsp3.4/4, Error ellipse: s-maj=151.4km s-min=21.2km az=69.0, Talaud Islands

Table with columns: Code, Station Name, Az, El, Op, ISC, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, etc.

ISC/JB 15 21:49:15.7, 0.9, 23.84S, 179.8W, 0.2, h512km, mb3.9/7, Error ellipse: s-maj=18.8km s-min=8.7km az=168.0

IDC 15 21:49:15.3, 2.6, 23.84S, 179.90W, h490km, 2.2km, mb3.4/7, mb1 3.6/8, mb1mx3.3/25, mbtmsp4.3/8, Error ellipse: s-maj=26.8km s-min=21.8km az=32.0

WEL 15 21:49:17.5, 1.2, 24.5, 10.17, 9W, 3.7, h579km, 15km

ISC 15 21:49:17.0, 1.0, 23.95S, 179.8W, 0.2, h512km, n48, +165/55, mb3.9/7, South of Fiji Islands

Table with columns: Code, Station Name, Az, El, Op, ISC, Phase ID, Time, Res. Includes stations like OUMZ Omahuta, DZM Mont Dzumac, WCU Waipua Caves, etc.

Table with columns: Code, Station Name, Az, El, Op, ISC, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, VMDA Vanda, etc.

ISC/JB 15 22:00:25.6, 0.2, 44.49N, 173.30E, 0.02, h19km, 3km, Error ellipse: s-maj=3.0km s-min=2.2km az=145.6

LDG 15 22:00:25.6, 0.1, 44.49N, 173.29E, h10km, M2.5/2, M2.8/9, Error ellipse: s-maj=1.7km s-min=1.2km az=49.0

ISC 15 22:00:25.1, 0.9, 44.49N, 173.28E, 0.02, h18km, 3km, n53, +047/91, Northern Italy

Table with columns: Code, Station Name, Az, El, Op, ISC, Phase ID, Time, Res. Includes stations like DOI San Damiano, PZZ Stroppo, ENR Entracque, etc.

Table with columns: Code, Station Name, Az, El, Op, ISC, Phase ID, Time, Res. Includes stations like NEGI comp=N,304um,0.2s, NEG1 comp=E,350um,0.5s, NEG1 comp=N,304um,0.2s, 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.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB10 IPOC Station P, PB04 IPOC Station P, PB07 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, TBI Tubuai, HNR Horara, PPT2 Papeete2, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, EVGI Lefkada island, EVGI Lefkada island, etc.

16d 1h

Table listing astronomical observations for 16d 1h, including station names, coordinates, and observation times.

2012 DEC

Table listing astronomical observations for 2012 DEC, including station names, coordinates, and observation times.

814

Table listing astronomical observations for 814, including station names, coordinates, and observation times.

ISC 16 01:40:25.0:0.7,35.56N;0.04:140.18E;0.05,h71km,6km, n39.0890/46,mb3.8/19,1C-5D,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists stations like Nagara, Samumatsuo, Toky, etc.

MEX 16 01:46:46.0:0.8,16.94N;95.32W,h97km,8km,MD3.9, Oaxaca

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists stations like Matias Romero, Oaxaca, Vista Hermosa, etc.

ISCJCB 16 01:54:41.4:1.0,20.99S;0.09:67.1W;0.3,h194km, mb3.0/4, Error ellipse: s-maj=40.8km s-min=11.8km az=171.1

IDC 16 01:54:42.7:2.3,20.90S;67.15W,h193km,19km,mb2.9/4, mb1.3/2.6,mb1mx3.1/27,mbtmp3.5/6, Error ellipse: s-maj=29.6km s-min=4.1km az=71.0

ISC 16 01:54:42.8:1.0,20.95S;0.1:67.2W;0.3,h194km,n7, 0.054/8,mb3.0/4, Southern Bolivia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists stations like La Paz, Paso Flores, Lajitas Array, etc.

IDC 16 01:55:55.7:5.7,14.57S;174.23W,h0km,mb4.0/3, mb1.4/2.3,mb1mx3.7/27,mbtmp4.0/3,MS3.1/1,Ms1.3/1.1, ms1mx2.8/29, Error ellipse: s-maj=211.1km s-min=59.8km az=133.0, Samoa Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists stations like Papeete, Stephens Creek, Warrunguna Arr, etc.

ISCJCB 16 02:06:28.4:0.4,49.84N;0.03:18.45E;0.03,h0km, Error ellipse: s-maj=4.2km s-min=2.5km az=16.3

IPEC 16 02:06:30.1:0.2,49.81N;18.57E,h0km,3km,ML2/2/3, Error ellipse: s-maj=1.7km s-min=1.1km az=164.0

VIE 16 02:06:31.5:1.0,49.68N;18.43E,h0km,mb2.2/2.0,ml2/4, Error ellipse: s-maj=8.5km s-min=4.7km az=74.0 22 km SE of Ostrava Suspected Mining induced.

ISC 16 02:06:30.0:0.4,49.76N;0.04:18.5E;0.02,h0km,n26, 0.080/46,Czech and Slovak Republics

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists stations like Ostrava-Krasne, Moravsky Berou, Moravy Berou, etc.

ISCJCB 16 02:17:28.2:0.4,35.56N;0.03:140.18E;0.05,h74km,6km, mb3.6/9, Error ellipse: s-maj=6.5km s-min=5.4km az=164.3

JMA 16 02:17:28.6:0.2,35.64N;140.18E,h66km,2km,M3.2 Broadband fault plane solution: P waves. NP1: 0.160000°, 0.890000°, 1.880000°. NP2: 0.2590000°, 0.200000°, 1.1530000°. Principal axes: T P1g46.0000°, Azm284.0000°; N P1g2.0000°, Azm16.0000°; P P1g44.0000°, Azm108.0000°;

JMA Flt J1.1. IDC 16 02:17:29.6:2.0,35.52N;140.13E,h70km,18km,mb3.4/9, mb1.3/6.0,mb1mx3.4/40,mbtmp3.7/10,MS2.4/2, Ms1.2/4.2,ms1mx2.2/35 Error ellipse: s-maj=28.2km s-min=11.4km az=74.0

ISC 16 02:17:29.4:0.8,35.57N;0.04:140.17E;0.04,h68km,6km, n27.085/36,mb3.7/9,1C-5D,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists stations like Nagara, Samumatsuo, Toky, etc.

IDC 16 02:30:52.1:4.0,18.28N;146.83E,h31km,29km,mb4.3/2.6, mb1.4/2.7,mb1mx4.3/58,mbtmp4.5/27,ML3.6/1,MS4.2/1.8, Ms1.4/2.18,ms1mx4.1/30, Error ellipse: s-maj=18.4km s-min=11.9km az=101.0

BJI 16 02:30:52.2:17.95N;147.33E,h55km,mb4.7/32,mb5.1/23, Ms4.4/1.8,MS3.2/0.1,18.26N;0.03:146.83E;0.04,h50km, mb4.8/147,MS4.3/24, Error ellipse: s-maj=5.0km s-min=3.8km az=21.5

MOS 16 02:30:52.0:2.0,18.24N;146.82E,h53km,mb4.9/41, Error ellipse: s-maj=10.7km s-min=6.2km az=88.7

NEIC 16 02:30:55.1:0.6,18.23N;146.87E,h56km,5km,mb4.9/115, Error ellipse: s-maj=4.1km s-min=2.9km az=98.0

GCMT 16 02:30:56.1:0.4,18.31N;0.03:147.07E;0.02,h24km,

MW4.9/69, Moment Tensor Solution. s22.c24: s69.c83; Duration: 0 Moment tensor: Scale 10^16Nm; Mr1.86t.17; Mw-0.31t.12; Ms-1.55t.10; Ms-1.39t.19; Mw1.15t.07; Mw1.94t.15; Best double couple: Mw3.14600t.1016 NP1: 0.325.00000°, 0.70.00000°, 1.87.00000°. NP2: 0.155.00000°, 0.21.00000°, 1.99.00000°. Principal axes: T 2.9630, P1g65.0000°, Azm230.0000°; N 0.3640, P1g3.0000°, Azm326.0000°; P -3.3290, P1g25.0000°, Azm58.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular

moment-rate function. ISC 16 02:30:54.7:0.2,18.25N;0.04:147.00E;0.06,h50km,n286, 0.182/276,mb4.8/146,MS4.3/25.6C,Mariana Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists stations like Sarin, Anatahan, GUMMO, etc.

16d 2h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ULN, SONA0, SONM, etc.

2012 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSH, RIDG, SCRR, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YMR, YHH, PSUT, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Neumayer-Stat, Otavalo, Torodi Ar, etc.

PGC 16:02:39.19-0.1, 5.274N-132.41W, h20km, ML2.4/5, 69km southwest of Sandspit, Bc Queen Charlotte Islands Region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Mitchell Dam, Barry Inlet, Dawson Inlet, etc.

PGC 16:02:40.12-0.0, 59.88N-136.71W, h10km, ML2.4/9, 106km southeast of Haines Jct., Yt Southeastern Alaska, Southeastern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Dusty Glacier, Haines Junction, Whitehorse, etc.

ISCJB 16:02:42.25-7.1, 5.25N-0.2, 94.3E-0.1, h35km, mb3.7/4, Error ellipse: s-maj=27.4km s-min=8.2km az=30.3

DJA 16:02:42.30-7.1, 2.22N-11.9, 9.5E, h10km, M4.0/6, mb4.7/1, mb5.4/1, MLv3.7/6, Mw(mb)/4.8/1

IDC 16:02:42.40-3.13, 0.4, 48N-92.26E, h0km, mb3.7/4, mb1.3/5, mb1mx3.4/5.2, mbtmp3.7/5, Error ellipse: s-maj=249.0km s-min=81.5km az=161.0

ISC 16:02:42.28-5.1, 7.24N-0.2, 94.4E-0.1, h35km, n13, c=280/11, mb3.8/4, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Sinabang, Aceh, GSI, etc.

IDC 16:02:50.40-0.2, 7.1, 33N-89.53W, h64km, 22km, mb3.4/5, mb1.3/6, mb1mx3.3/4.7, mbtmp3.6/6, MS2.7/1, Ms1.2/7.1, ms1mx2.3/2.9, Error ellipse: s-maj=60.9km s-min=23.6km az=38.0

ISC 16:02:50.36-4.1, 2.132N-0.2, 89.8W-0.2, h35km, n8, 1998/8, mb3.9/4, El Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like El Apazole, JuntasAbangare, Matias Romero, etc.

IDC 16:02:50.56-0.1, 0.52, 63N-132.36W, h0km, mb3.9/8, mb1.3/9/12, mb1mx3.7/5.6, mbtmp3.8/12, ML2.6/4, Error ellipse: s-maj=19.1km s-min=8.4km az=66.0

PGC 16:02:50.57-9.0, 7.52, 72N-132.23W, h21km, ML4.0/13, Mw4.6, 65km southwest of Sandspit, Bc Haida Gwaii Region

ISCJB 16:02:50.58-3.0, 0.6, 52.76N-0.04, 132.09W-0.08, h24km, 3km, mb3.8/8, Error ellipse: s-maj=10.5km s-min=3.2km az=140.5

NEIC 16:02:50.58-3.0, 7.52, 72N-132.05W, h10km, mb3.9/4, Mw4.6(O/TT), Error ellipse: s-maj=15.2km s-min=6.9km az=51.0

ISC 16:02:50.58-3.1, 1.52, 73N-132.15W-0.06, h15km, 6km, n70, c144/75, mb4.0/8, Queen Charlotte Islands region

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Mitchell Dam, Barry Inlet, Moresby Island, etc.

HEL 16:02:54.27-7.0, 4.6, 67.89N-34.02E, h0km, ML2.4, Explosion

KOLA 16:02:54.29-7.1, 67.68N-33.77E, h0km

ISCJB 16:02:54.29-1.0, 8.67, 77N-0.03, 33.4E-0.1, h0km, Error ellipse: s-maj=7.3km s-min=3.8km az=162.9

IEPN 16:02:54.32-0.6, 67.67N-33.41E, h0km

NAO 16:02:54.32-1.1, 2.6, 67.77N-33.25E, ML2.6

ISC 16:02:54.29-1.1, 8.67, 77N-0.04, 33.68E-0.09, h0km, n47, c125/73, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Apatity, Matias Romero, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Kevo, ARCESS Array S, etc.

UCR 16:03:06.43-0.1, 9.14, 00N-92.46W, h98km, 91km, ML4.5, mb4.8(N/IC)

GCMT 16:03:06.46-6.0, 1.3, 81N-0.02, 92.56W-0.03, h22km, 1km, Mw5.0/75, Moment Tensor Solution, s30.c36; s75.c39; Duration: 0 Moment tensor: Scale 10^16Nm; Mr3.13E-19; Mw=2.1E-12; Mw=1.03E-12; Mw1.50E-16; Mw1.07E-07; Mw=1.18E-17; Best double couple: M3.509000x10^16 NP1=0.125, 0.00000; b61.00000; A93.00000; NP2=0.299, 0.0000; a29.00000; A85.00000; Principal axes: T 3.6980, P1g73.0000; Azm42.0000; N -0.3780; P1g2.0000; Azm304.0000; P -3.3200, P1g16.0000; Azm213.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MEX 16:03:06.46-9.0, 6.0, 13.82N-92.32W, h5km, MD4.1

NEIC 16:03:06.47-6.0, 2.0, 13.89N-91.97W, h35km, mb4.8/242, Error ellipse: s-maj=3.4km s-min=2.5km az=31.0

NEIC Felt at Toachee

ISCJB 16:03:06.49-8.0, 4.1, 01N-0.02, 91.96W-0.02, h68km, 3km, mb4.7/28, Error ellipse: s-maj=4.4km s-min=2.6km az=42.6

BUJ 16:03:06.52-4.1, 14.10N-91.90W, h72km, mb4.9/1, Ms5.1/2, Ms7.4/9/2

IDC 16:03:06.53-7.2, 1.4, 08N-91.77W, h84km, 16km, mb4.1/22, mb1.4/3/24, mb1mx4.2/4.0, mbtmp4.4/24, MS4.2/19, Ms1.4/2.19, ms1mx4.0/3.4, Error ellipse: s-maj=22.4km s-min=10.7km az=53.0

ISC 16:03:06.49-4.0, 7.1, 33.98N-0.05, 92.17W-0.05, h53km, 5km, n766, c1934/770, mb4.8/229, MS4.2/21, 6C, Off coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Chiapas, El Apazole, etc.

16d 3h

Table with columns: Call Sign, Name, Frequency, Power, Modulation, and other technical details. Includes stations like LFRS El Faro, LBRS Las Brisas, PAVA Las Pavas, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Modulation, and other technical details. Includes stations like 353A Camilla, 146A Union, 146A Union, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Modulation, and other technical details. Includes stations like X48A Hartselle, Z54A Sparta, 156A Sylvania, etc.

44A	Benton	23.12	5 P	P	03 11 49.9 -1.0
U32A	Winter Ranch	23.13	346 eP	P	03 11 50.7 -0.4
U49A	Red Boiling Sp	23.16	13 eP	P	03 11 50.5 -0.8
T45A	Paducah	23.16	7 eP	P	03 11 50.5 -0.8
T45A	Paducah	23.16	7 P	P	03 11 51.5 +0.2
V53A	Saluda	23.18	20 eP	P	03 11 51.8 +0.3
V53A	Saluda	23.18	20 P	P	03 11 50.9 -0.6
KM5C	Kings Mountain	23.22	23 eP	P	03 11 52.2 +0.2
KM5C	Kings Mountain	23.22	23 P	P	03 11 50.9 -1.1
T46A	Princeton	23.28	9 P	P	03 11 52.0 -0.4
U50A	Jamestown	23.28	15 P	P	03 11 51.8 -0.7
121A	Cookes Peak, D	23.33	325 P	P	03 11 55.4 +2.2
T47A	Sharon Grove	23.35	10 eP	P	03 11 52.9 -0.3
T47A	Sharon Grove	23.35	10 P	P	03 11 52.5 -0.6
319A	Douglas	23.37	321 eP	P	03 11 55.4 +1.8
U51A	La Follette	23.47	17 P	P	03 11 54.3 0.0
S41A	Jilco Farms,	23.51	1 P	P	03 11 53.8 -0.9
S43A	Fulton Ridge,	23.57	4 P	P	03 11 54.0 -1.2
T48A	Bowling Green	23.60	12 P	P	03 11 54.6 -0.8
U52A	Thorn Hill	23.67	18 P	P	03 11 55.8 -0.3
S42A	Caledonia	23.72	3 P	P	03 11 55.2 -1.4
TZTN	Tazewell	23.76	17 eP	P	03 11 57.2 +0.2
TZTN	Tazewell	23.76	17 P	P	03 11 56.9 -0.1
S44A	Carbondale	23.76	6 P	P	03 11 56.7 -0.2
T49A	Edmont	23.78	13 eP	P	03 11 56.5 -0.6
T49A	Edmont	23.78	13 P	P	03 11 56.5 -0.6
SIUC	Southern Illin	23.78	6 eP	P	03 11 57.2 +0.1
S45A	Carrier Mills	23.81	7 P	P	03 11 57.2 -0.3
T50A	Nancy	23.86	15 P	P	03 11 57.1 -0.8
U53A	Fall Branch	23.89	19 P	P	03 11 57.8 -0.4
S46A	Don Dixon Farm	23.94	9 P	P	03 11 58.2 -0.4
BNM	Barren Site	23.98	329 eP	P	03 12 01.1 +1.9
S47A	Hartford	23.98	10 P	P	03 11 58.4 -0.6
CCM	Cathedral Cave	23.99	2 eP	P	03 11 58.0 -1.0
CCM	Cathedral Cave	23.99	2 P	P	03 11 58.2 -0.9
T51A	Gray	24.04	16 P	P	03 11 58.9 -0.7
LPM	Los Pinos Moun	24.11	330 eP	P	03 12 02.3 +1.9
LENM	Lemitar	24.16	329 eP	P	03 12 02.8 +2.0
S48A	Wiedeman Farm,	24.20	12 P	P	03 11 59.4 -1.5
USIN	University of	24.22	9 eP	P	03 12 01.7 +0.6
R41A	Rosebud	24.23	2 P	P	03 12 01.0 -0.2
R42A	Luebbering	24.23	3 P	P	03 12 01.8 +0.6
R43A	Red Bud	24.28	4 P	P	03 12 01.1 -0.5
R44A	Waltonville	24.32	6 P	P	03 12 02.5 +0.4
LAZ	Ladron	24.43	329 eP	P	03 12 05.2 +1.8
T52A	Hallie	24.45	18 P	P	03 12 02.6 -0.6
R45A	Skylar, Fairfir	24.46	7 P	P	03 12 02.6 -0.7
S49A	Springfield	24.48	13 P	P	03 12 02.7 -0.8
R46A	Gibson Southern	24.48	9 P	P	03 12 03.0 -0.5
ANMO	Albuquerque	24.54	331 P	P	03 12 06.7 +2.4
ANMO	Albuquerque	24.54	331 eP	P	03 12 05.9 +1.5
ANMO	Albuquerque	24.54	331 P	P	03 12 06.1 +1.8
S50A	Richmond	24.59	15 P	P	03 12 04.2 -0.4
WCI	Wyandotte Cave	24.71	11 eP	P	03 12 05.3 -0.3
WCI	Wyandotte Cave	24.71	11 P	P	03 12 05.2 -0.4
R47A	Wooly Knot Far	24.73	11 P	P	03 12 05.0 -0.8
S51A	Beattyville	24.77	16 eP	P	03 12 06.1 -0.1
S51A	Beattyville	24.77	16 P	P	03 12 06.1 -0.1
Q42A	Golden Eagle	24.87	3 P	P	03 12 07.3 +0.2
Q41A	Truxton	24.89	2 P	P	03 12 06.7 -0.5
OLIL	Olney	24.91	8 eP	P	03 12 07.3 -0.1
TUC	Tucson	24.94	320 eP	P	03 12 09.8 +1.9
TUC	Tucson	24.94	320 P	P	03 12 09.7 +1.8
S52A	Salyersville	24.95	17 P	P	03 12 08.0 +0.2
R48A	Northridge Ran	24.95	12 P	P	03 12 07.0 -0.9
Q43A	New Douglas	24.96	5 P	P	03 12 07.8 0.0
Q44A	Meyer Farm, Va	24.98	6 eP	P	03 12 08.6 +0.5
Q44A	Meyer Farm, Va	24.98	6 P	P	03 12 07.8 -0.3
R49A	Shelbyville	25.00	13 P	P	03 12 07.2 -1.0
EMPR	Esperanza -1a	25.01	76 eP	P	03 12 08.3 -0.2
Q45A	Warren Harvey,	25.07	7 P	P	03 12 08.7 -0.1
R50A	Paris	25.18	15 P	P	03 12 08.9 -1.0
KSU1	Kansas State U	25.33	352 eP	P	03 12 11.3 +0.1
SJG	San Juan	25.37	7 LR	LR	03 23 00.4
Q47A	Bedord North L	25.37	10 P	P	03 12 10.7 -0.9
R51A	Hillsboro	25.39	16 P	P	03 12 11.2 -0.6
BLA	Blacksburg	25.40	22 eP	P	03 12 10.2 -1.8
BLA	Blacksburg	25.40	22 P	P	03 12 11.6 -0.4
Q48A	North Vernon	25.49	12 P	P	03 12 12.2 -0.5
T25A	Trinidad	25.52	337 eP	P	03 12 14.6 +1.4
T25A	Trinidad	25.52	337 P	P	03 12 15.8 +2.6
P42A	Winchester	25.55	3 eP	P	03 12 13.1 -0.2
P42A	Winchester	25.55	3 P	P	03 12 12.8 -0.4
P44A	Sand Creek, Wi	25.58	6 P	P	03 12 13.9 +0.4
BLO	Bloomington	25.58	10 eP	P	03 12 13.3 -0.2
P41A	Barry, Barry	25.61	2 P	P	03 12 14.4 +0.6
CBK5	Cedar Bluff	25.62	346 eP	P	03 12 15.2 +1.3
CBK5	Cedar Bluff	25.62	346 P	P	03 12 16.1 +2.1
P43A	Skaggs, Pawnee	25.67	5 P	P	03 12 14.8 +0.5
R52A	Cattlettsburg	25.68	17 P	P	03 12 14.7 +0.2
Q49A	Aurora	25.74	13 P	P	03 12 13.8 -1.2
P45A	Graceland, Par	25.74	8 eP	P	03 12 14.9 0.0
P45A	Graceland, Par	25.74	8 P	P	03 12 14.3 -0.7
Q50A	Georgetown	25.80	15 P	P	03 12 14.6 -0.9
MTP	Monte Airata	25.89	77 eP	P	03 12 13.6 -3.0
P46A	Rosedale	25.91	9 P	P	03 12 16.5 0.0
P47A	Martinsville	25.93	10 P	P	03 12 16.0 -0.7
P48A	Milroy	26.07	12 P	P	03 12 16.6 -1.3
Q51A	Peebles	26.14	16 eP	P	03 12 18.5 0.0
Q51A	Peebles	26.14	16 P	P	03 12 17.9 -0.6
CUPR	Culebra, Puert	26.17	77 eP	P	03 12 16.6 -2.5
Q44A	Mansfield	26.27	6 P	P	03 12 19.2 -0.5
P49A	Miami Univ, Ec	26.29	13 P	P	03 12 19.3 -0.5
Q43A	Sugar Creek Fa	26.32	5 P	P	03 12 20.4 +0.2
W18A	Petrified Fore	26.34	326 eP	P	03 12 22.3 +1.7
W18A	Petrified Fore	26.34	326 P	P	03 12 23.5 +2.8
Q52A	Bidwell	26.38	18 P	P	03 12 20.2 -0.5
Q45A	Potomac	26.46	8 P	P	03 12 21.5 +0.1
SDCO	Great Sand Dun	26.47	336 eP	P	03 12 23.1 +1.1
SDCO	Great Sand Dun	26.47	336 P	P	03 12 23.8 +1.8
P50A	Jonestown	26.57	15 P	P	03 12 21.8 -0.6
KSC0	Kaye Shedlock'	26.59	342 eP	P	03 12 24.4 +1.7
KSC0	Kaye Shedlock'	26.59	342 P	P	03 12 24.0 +1.2
P51A	Williamsport	26.64	16 eP	P	03 12 22.8 -0.3
P51A	Williamsport	26.64	16 P	P	03 12 22.5 -0.6
SFIN	Lafayette	26.67	9 eP	P	03 12 23.1 -0.2
SFIN	Lafayette	26.67	9 P	P	03 12 22.0 -1.3
Q47A	Sheridan	26.68	10 P	P	03 12 22.2 -1.2
X16A	Lo Mia Camp, P	26.79	323 eP	P	03 12 26.4 +1.6
N40A	Metcuake, Sal	26.81	1 P	P	03 12 24.6 0.0
Q48A	Farmland	26.89	12 P	P	03 12 24.0 -1.3
N44A	Pipe City	26.95	7 P	P	03 12 25.2 -0.6
N43A	Stutzman Famil	26.98	5 P	P	03 12 25.9 -0.2
Q49A	Covington	27.00	13 eP	P	03 12 25.4 -0.9
Q49A	Covington	27.00	13 P	P	03 12 24.9 -1.3
S22A	4UR Ranch, Cre	27.02	334 eP	P	03 12 28.8 +1.8
P52A	Corning	27.04	17 P	P	03 12 25.2 -1.4
R58B	Mineral	27.05	25 P	P	03 12 27.0 +0.2
P53A	Whipple	27.12	19 eP	P	03 12 27.6 +0.2
P53A	Whipple	27.12	19 P	P	03 12 26.2 -1.3
O50A	Cable	27.12	14 P	P	03 12 27.2 -0.3
N46A	Monticello	27.23	9 P	P	03 12 27.7 -0.7
M40A	Post Highland	27.33	1 P	P	03 12 29.9 +0.7
M41A	Milan	27.33	3 P	P	03 12 29.2 -0.1
MVC0	Mesa Verde	27.34	331 eP	P	03 12 31.6 +2.0
ACSO	Alum Creek Sta	27.36	15 eP	P	03 12 29.2 -0.4
ACSO	Alum Creek Sta	27.36	15 P	P	03 12 28.6 -1.0
O51A	Patafala	27.38	16 P	P	03 12 28.4 -1.3
N47A	Urbana	27.39	11 P	P	03 12 28.4 -1.4
M39A	Webster	27.40	360 P	P	03 12 31.2 +1.3
Q24A	Divide	27.40	338 P	P	03 12 31.7 +1.4
Y14A	Wickenburg	27.41	320 eP	P	03 12 31.5 +1.3
CBN	Corbin Frederi	27.46	26 eP	P	03 12 31.1 +0.6
N48A	Decatur	27.49	12 P	P	03 12 29.7 -1.0
M43A	Waltham Townsh	27.50	5 P	P	03 12 30.9 +0.2
WU4Z	Wupatki	27.54	325 eP	P	03 12 33.8 +2.4
WU4Z	Wupatki	27.54	325 P	P	03 12 33.6 +2.2
M44A	Midewin, Midew	27.54	7 P	P	03 12 31.2 +0.1
O52A	Adamsville	27.57	17 eP	P	03 12 31.3 -0.1
O52A	Adamsville	27.57	17 P	P	03 12 31.0 -0.4
M45A	Bollermakers S	27.64	8 P	P	03 12 32.1 0.0
N49A	Columbus Grove	27.73	13 P	P	03 12 33.0 +0.1
BGNE	Belgrade	27.82	350 P	P	03 12 35.0 +1.3
M47A	Cromwell	27.87	11 P	P	03 12 33.0 -1.1
O53A	New Philadelphia	27.88	18 P	P	03 12 34.0 -0.1
L40A	Anamosa	27.99	2 P	P	03 12 35.5 +0.3
L20A	Oliver, Polo	28.00	4 P	P	03 12 36.1 +0.9
L41A	Preston	28.03	3 P	P	03 12 36.4 +0.9
L39A	Vinton	28.04	0 P	P	03 12 36.3 +0.7
O54A	Avella	28.07	19 P	P	03 12 35.8 -0.2
PV01	Paradox Valley	28.12	332 eP	P	03 12 38.9 +2.3
M48A	Edgerton	28.16	12 eP	P	03 12 34.9 -1.7
M48A	Edgerton	28.16	12 P	P	03 12 35.8 -1.1
PV13	Radium Mtn., P	28.25	331 eP	P	03 12 39.6 +2.0
PV02	Paradox Valley	28.25	332 eP	P	03 12 39.5 +1.6
Y12C	Blythe	28.26	318 P	P	03 12 38.3 +0.6
SMCO	Snowmass	28.29	335 eP	P	03 12 39.9 +1.5
ISCO	Idaho Springs	28.30	338 eP	P	03 12 40.4 +2.0
ISCO	Idaho Springs	28.30	338 P	P	03 12 40.1 +1.7
PV05	Paradox Valley	28.32	331 eP	P	03 12 40.2 +1.8
PV03	Paradox Valley	28.34	332 eP	P	03 12 40.1 +1.5
PV18	Skein Mesa, Pa	28.36	331 eP	P	03 12 40.1 +1.3
PV12	Saucer Basin,	28.37	332 eP</		

16d 3h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TCUT Toone Canyon, F38A Pierce - Schro, R11A Troy Canyon, etc.

2012 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like EGMT Eagleton, BMO Blue Mountains, MSO Blue Mountains, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BILL Bilibino, NB2 NORARS Subarra, NB200 NORARS Array S, etc.

UCR 16 03:10:41.4:1.2, 8.98N-82.86W, h22km, 8km, MD3.6, 1C, Panama-Costa Rica border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EDSV San Vito, BRU2 Volcan, DRKO Durika, etc.

IDC 16 03:22:24.4:3.1, 30.40S-177.59W, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.6/23, mbtmp3.7/3, Error ellipsis, s-maj=63.6km s-min=23.9km az=103.0, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAO Raoul Island, STKA Stephens Creek, ASAR Alice Springs, etc.

UCR 16 03:24:52.3:2.0, 8.37N-82.79W, h4km, 6km, MD4.1, 2D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRU2 Volcan, EDSV San Vito, EDPN Palmer Norte, etc.

Error ellipse: s-maj=9.6km s-min=5.2km az=21.4
 DDA 16 03:25:21.2, 41.02N, 42.76E, h7km, ML2.5
 ISK 16 03:25:21.3, 2.9, 28.12N, 42.74E, h5km, ML2.0/3
 ISC 16 03:25:21.3, 1.2, 41.08N, 0.04, 42.76E, 0.03, h10km, 15km,
 n12, c051/20, Turkey-Georgia-Armenia border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					ISC	ISC
EPOS	Posof	0.43	357	Op	03 25 30.8	+0.3
EPOS				Pb	03 25 38.9	+0.7
KARS	Kars	0.51	151	Pg	03 25 33.4	+0.9
ARTV	Artvin	0.64	280	Pg	03 25 33.8	+0.1
ARTV				Sb	03 25 43.2	-0.5
DAGI	Agililar	0.64	270	Pg	03 25 33.8	+0.1
DAGI				Sb	03 25 43.4	-0.3
AKH	Akhalkalaki	0.65	59	Pg	03 25 33.9	+0.1
AKH				Sg	03 25 42.6	+0.2
EAK	Aykaya	0.75	121	Pg	03 25 35.0	-0.9
DDEM	Demirkent	0.79	257	Pg	03 25 35.9	-0.6
DDEM				Sb	03 25 48.0	+0.1
DBAD	Bademkaya	0.81	266	Pg	03 25 36.7	-0.2
DBAD				Sg	03 25 47.8	+0.4
DIGO	Kars	0.81	145	Pg	03 25 36.4	-0.6
DBOC	Borcka	0.87	288	Pg	03 25 37.9	-0.1
DBOC				Sb	03 25 49.7	-0.5
BCA	Borcka	0.93	294	Pg	03 25 36.9	-0.3
BCA				Sb	03 25 51.1	+0.5
CHOM	Cayelli-Rize	1.51	271	Pn	03 25 49.6	+0.2

ISC/JB 16 03:45:56.6, 1.1, 28.1N, 0.2, 139.7E, 0.3, h507km, mb3.1/6,
 Error ellipse: s-maj=32.8km s-min=20.8km az=178.3
 IDC 16 03:45:58.3, 2.9, 28.12N, 139.64E, h510km, 33km, mb2.8/6,
 mb1.2, 9.7, mb1mx2.7/29, mbtmp3.6/7, Error ellipse:
 s-maj=27.7km s-min=20.1km az=94.0
 ISC 16 03:45:58.0, 1.2, 28.1N, 0.2, 139.6E, 0.3, h507km, n7,
 c0523/7, mb3.1/6, Bonin Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					ISC	ISC
MJAR	Matsushiro Arr	8.48	352	P	03 47 59.4	-0.1
ZALV	Zalesovo Beam	47.23	319	P	03 53 44.3	-0.2
WRA	Warramunga Arr	48.05	187	P	03 53 51.0	-0.1
MKAR	Makanchi Array	48.06	309	P	03 53 51.3	+0.4
ILAR	Eielson Array	57.91	29	P	03 55 00.8	+0.1
YKA	Yellowknife Arr	72.31	28	P	03 56 31.6	+0.1
FINES	FINES Array B	76.02	333	P	03 56 52.4	-0.2

CNRM 16 04:09:03.9, 38.06N, 3.28W, h30km, ML4.1
 IGLI 16 04:09:04.5, 38.06N, 3.30W, h0km, ML3.3
 MDD 16 04:09:05.2, 0.1, 38.05N, 3.29W, h2km, 1km, mBlg3.6/44,
 Error ellipse: s-maj=2.2km s-min=1.8km az=3.0, PRXIMO
 MDD EMS: IV INTENSIDAD MAXIMA
 INMG 16 04:09:05.4, 1.7, 38.08N, 3.28W, h0km, ML3.5, Error
 ellipse: s-maj=1.9km s-min=1.7km az=97.0
 SFS 16 04:09:05.0, 38.00N, 3.30W, ML3.3, SABIOTE (JAEN)
 LDG 16 04:09:05.3, 0.1, 38.02N, 3.30W, h2km, ML3.6/4, Error
 ellipse: s-maj=1.8km s-min=1.5km az=136.0
 ISC 16 04:09:03.9, 1.1, 38.07N, 0.02, 3.24W, 0.01, h6km, 9gkm,
 n129, c1978/214, 5C-3D, Spain

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					ISC	ISC
EQES	Quesada	0.30	153	Op	04 09 10.4	+0.6
EQES				Pg	04 09 10.4	+0.6
SESP	Santiago Espad	0.55	85	Pg	04 09 16.1	0.0
SESP				Pb	04 09 23.9	
SESP	Santiago Espad	0.55	85	S	04 09 23.5	-0.8
GORA	Gorafe	0.61	165	Pg	04 09 16.2	-0.9
GORA				Lg	04 09 24.3	
EQUE	Qentar	0.88	190	Pg	04 09 20.9	-0.7
EQUE				Lg	04 09 31.8	
EADA	Adamuz	1.06	276	Pg	04 09 24.0	-0.2
EADA				Lg	04 09 37.6	
EGOR	Sierra Gorda,	1.18	216	Pg	04 09 26.3	-0.3
EGOR				Lg	04 09 42.2	
EBER	Berja	1.21	166	Pg	04 09 26.8	-0.2
EBER				Lg	04 09 42.3	
ELGU	Los Guajares,	1.24	194	Pg	04 09 27.9	+0.1
ELGU				Lg	04 09 44.3	
ENIJ	Nijar	1.37	143	Pg	04 09 30.3	+0.1
ENIJ				Lg	04 09 50.6	
ETOB	Tobarra	1.45	66	Pn	04 09 31.3	0.0
ETOB				Pg	04 09 32.7	+1.0
ETOB				Lg	04 09 52.2	
EMUR	La Murta	1.60	98	Pn	04 09 33.9	+0.1
EMUR				Pg	04 09 35.5	+1.0
EMUR				Lg	04 09 57.0	
HORN	Hornachuelos	1.61	263	P	04 09 30.1	-2.7
HORN	Hornachuelos	1.61	263	S	04 09 47.7	-6.1
ESDC	Sonsea Array	1.69	341	Pn	04 09 34.6	+0.5
ESDC				Pg	04 09 36.9	+0.5
ESDC				Sn	04 09 55.5	-0.6
ESDC				Lg	04 09 58.6	
PAB	San Pablo	1.71	330	Pn	04 09 34.5	+0.3
PAB				Pg	04 09 36.6	0.0
PAB				Sn	04 09 55.0	-1.4
PAB				Lg	04 09 58.5	
ECAB	Ei Cabril	1.72	271	Pn	04 09 33.6	-0.7
ECAB				Pg	04 09 35.0	-0.8
ECAB				Lg	04 09 57.3	
CART	Cartagena	1.84	105	Pn	04 09 36.8	+0.8
CART				Lg	04 10 01.4	
CART	Cartagena	1.84	105	eP	04 09 36.8	+0.8
CART				Sb	04 10 01.0	+0.2
ETRV	Los Montesinos	1.96	91	Pn	04 09 38.5	+0.9
ETRV				Pg	04 09 42.9	+1.5
ETRV				Sn	04 10 03.2	+0.7
ETRV				Lg	04 10 11.0	
UCM	Universidad Co	2.23	360	eP	04 09 47.3	+0.6
UCM				Sg	04 10 15.0	-0.6
ECHE	Chera	2.34	49	Pn	04 09 43.6	+0.8
ECHE				Pg	04 09 49.7	+1.1
ESPR	Espera	2.40	241	Pg	04 09 45.1	+1.5

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					ISC	ISC
ESPR				Lg	04 10 20.3	
EJIF	Jimena Fronter	2.40	228	Pg	04 09 48.0	+0.5
ALJ				eP	04 09 33.5	-1.1
ALJ				Sg	04 10 26.5	+3.6
EBENZ	Beniarda presa	2.47	75	Pn	04 09 45.5	+0.8
EBENZ				Pg	04 09 51.5	+0.3
EBENZ				Sn	04 10 15.0	-0.3
EBENZ				Lg	04 10 25.1	
GIBL	Gibalbin	2.50	241	eP	04 09 53.2	+1.5
GIBL				Sg	04 10 27.0	+2.9
EMIN	Mina Concepcio	2.73	265	Pn	04 09 47.5	-0.7
EMIN				Pg	04 09 53.4	+0.4
EMIN				Sn	04 10 19.9	-1.6
EMIN				Lg	04 10 27.9	
EPLA	Plasencia	2.97	313	Pn	04 09 52.4	+0.8
EPLA				Pg	04 10 00.0	-0.8
EPLA				Lg	04 10 36.6	
PBAR	Barrancos	3.00	273	eSn	04 10 26.1	-2.0
PBAR				Sg	04 10 38.9	-1.1
PBAR				Pg	04 10 43.8	
PBAR				Sn	04 10 26.1	-2.0
PBAR				Lg	04 10 38.9	
EBAD	Badaojoz	3.04	284	Pn	04 09 51.7	-0.7
EBAD				Pg	04 10 00.1	+1.8
EBAD				Sn	04 10 29.3	+0.1
EMOS	Mosquera	3.14	42	Pn	04 09 55.4	+1.4
EMOS				Pg	04 10 05.1	+1.1
EMOS				Sn	04 10 33.8	+1.9
EMOS				Lg	04 10 44.7	
EGRO	El Granado	3.40	262	Pn	04 09 56.4	-1.0
EGRO				Pg	04 10 06.6	+2.1
EGRO				Sn	04 10 34.8	-3.3
EGRO				Lg	04 10 49.3	
PESTR	Estremoz	3.50	284	ePn	04 09 59.3	+0.4
PESTR				Pb	04 10 06.1	-0.2
PESTR				Sg	04 10 40.7	+0.1
PESTR				Sg	04 10 54.4	-1.9
PESTR				A	04 11 03.9	
PESTR				P	04 09 55.7	-3.1
PESTR				S	04 10 38.2	-2.4
PMRV	Marv???	3.51	294	ePn	04 10 12.4	+3.4
PMRV				Pg	04 10 13.4	+2.2
PMRV				Sg	04 10 56.0	-0.7
PMRV				A	04 11 01.4	
PMRV				Pn	04 10 12.4	+3.4
PMRV				Pg	04 10 13.4	+2.2
PMRV				Lg	04 10 56.0	
PVAQ	Vaqueiros	3.61	261	ePn	04 09 59.3	-1.0
PVAQ				Pg	04 10 10.4	-2.6
PVAQ				Sn	04 10 14.9	-1.3
PVAQ				Sb	04 10 54.5	+2.4
PVAQ				A	04 11 03.3	
PVAQ				Pn	04 09 59.3	-1.0
PVAQ				Pg	04 10 10.4	-2.6
PVAQ				Sn	04 10 14.9	-1.3
PVAQ				Lg	04 10 54.5	
PVAQ				P	04 09 57.1	-3.2
PVAQ				Sn	04 10 39.5	-3.7
PBEJ	Beja	3.65	271	eSn	04 10 44.3	+0.1
PBEJ				Sg	04 10 59.5	-1.6
PBEJ				A	04 11 06.7	
PBEJ				Sn	04 10 44.3	+0.1
PBEJ				Lg	04 10 59.5	
EIBI	Ibiza	3.72	74	Sn	04 10 43.4	-2.5
PCBR	Castelo Branco	3.74	299	ePn	04 10 02.9	+0.8
PCBR				Pg	04 10 15.6	0.0
PCBR				Sg	04 10 47.0	+0.5
PCBR				Sg	04 11 01.6	-2.4
PCBR				A	04 11 11.1	
PCBR				Pn	04 10 02.9	+0.8
PCBR				Pg	04 10 15.6	0.0
PCBR				Sn	04 10 47.0	+0.5
PCBR				Lg	04 11 01.6	
PBDV	Barranco-do-Ve	3.81	259	ePn	04 10 02.7	-0.4
PBDV				Pg	04 10 15.6	-1.3
PBDV				Sg	04 10 48.1	-0.1
PBDV				Sg	04 11 05.5	-0.7
PBDV				A	04 11 16.8	
PBDV				Pn	04 10 02.7	-0.4
PBDV				Pg	04 10 15.6	-1.3
PBDV				Sn	04 10 48.1	-0.1
PBDV				Lg	04 11 05.5	
MESJ	Messejana	3.94	268	eS	04 10 47.0	-4.3
MESJ				Sb	04 11 05.2	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PGAV Gavieira, Arco, Zams, EPP Esparros, CFON Fontmartina, EZAM Zamans, CLLI Livia, etc.

DDA 16 04:15:08.8, 36.96°N, 135.58°E, h7km, ML2.5
ISC/JB 16 04:15:09.5, 0.8, 36.98°N, 0.03, 35.60°E, 0.03, h7km, 7km,
Error ellipse: s-maj=5.5km s-min=4.4km az=155.5

ISK 16 04:15:09.6, 37.01°N, 35.63°E, h18km, ML2.7
ISC 16 04:15:09.1, 3.3, 36.98°N, 0.04, 35.59°E, 0.03, h14km, 11km,
n14, c058/22, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KOZT Koazan, GULE Gulek, TAHT Tahtakopr-Hat, etc.

ISK 16 04:43:36.6, 38.14°N, 38.59°E, h5km, ML1.9/4
DDA 16 04:43:36.5, 38.20°N, 38.55°E, h7km, ML2.7
ISC 16 04:43:36.1, 2.3, 38.18°N, 0.03, 38.56°E, 0.03, h6km, 12km,
n13, c040/19, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKCD Akcadag, URFA Urfa, PERTEK Pertek, etc.

ISC 16 04:49:35.8, 1.8, 44.32°N, 81.73°E, h0km, mb3.6/1,
mb1 3.4/5, mb1mx3.3/47, mbtmp3.4/5, ML3.1/4, MS3.0/2,
Ms1 3.0/2, ms1mx2.5/33, Error ellipse: s-maj=25.5km
s-min=17.2km az=103.0

BJJ 04:49:39.6, 44.33°N, 81.96°E, h11km, ML3.3/10
NNC 16 04:49:39.2, 0.4, 40.81°N, 81.82°E, h0km, mb3.7, mpv3.3,
Error ellipse: s-maj=24.6km s-min=7.4km az=124.0

SOME 16 04:49:39.9, 44.28°N, 81.85°E, h20km
ISC 16 04:49:36.5, 1.4, 44.37°N, 0.04, 81.92°E, 0.04, h1km, 10km,
n35, c1547/56, 16C-15D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DJR Jarkent, DJR 31nm, 0.1s, KAPS Kapalaras, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAKZ 36nm, 0.5s, TDK Taldyorg'han, ZHN Zhnishke, etc.

DDA 16 04:51:59.0, 1.3, 1.21°S, 127.01°E, h0km, mb3.8/2,
mb1 3.9/4, mb1mx3.6/33, mbtmp3.7/4, ML3.7/2, MS3.2/1,
Ms1 3.2/1, ms1mx2.4/39, Error ellipse: s-maj=36.4km
s-min=23.2km az=55.0

DJA 16 04:52:02.2, 0.3, 1.2, 12.7°E, h10km, M3.8/6, mb4.0/2,
mb5.1/1, MLV3.7/6, MW(MB)4.5/1

ISC/JB 16 04:52:03.9, 0.6, 1.05S, 0.06, 127.12°E, 0.05, h34km,
mb3.9/2, MS3.1/1, Error ellipse: s-maj=8.3km s-min=7.0km
az=164.0

ISC 16 04:52:04.6, 1.0, 1.14S, 0.05, 127.14°E, 0.06, h34km, n11,
c160/14, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KST Kastek, TKM2 Tokmak 2, AAK Ala-Archa, etc.

ISC 16 04:51:59.0, 1.3, 1.21°S, 127.01°E, h0km, mb3.8/2,
mb1 3.9/4, mb1mx3.6/33, mbtmp3.7/4, ML3.7/2, MS3.2/1,
Ms1 3.2/1, ms1mx2.4/39, Error ellipse: s-maj=36.4km
s-min=23.2km az=55.0

DJA 16 04:52:02.2, 0.3, 1.2, 12.7°E, h10km, M3.8/6, mb4.0/2,
mb5.1/1, MLV3.7/6, MW(MB)4.5/1

ISC/JB 16 04:52:03.9, 0.6, 1.05S, 0.06, 127.12°E, 0.05, h34km,
mb3.9/2, MS3.1/1, Error ellipse: s-maj=8.3km s-min=7.0km
az=164.0

ISC 16 04:52:04.6, 1.0, 1.14S, 0.05, 127.14°E, 0.06, h34km, n11,
c160/14, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SANI Sanana, TMTI Ternate, NTLI Namlea, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB14 IPOC Station P, PB05 IPOC Station P, etc.

MAN 16 05:00:37.9, 6.69°N, 126.06°E, h11km, mb4.4, ML3.3, MS3.0,
2C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MATI Mati, DMPIH Davao City-Mi, SKMP Dagumbayan, Su, etc.

IDC 16 05:05:17.0, 4.8, 6.52S, 130.28°E, h162km, 66km, mb3.2/1,
mb1 3.0/4, mb1mx2.9/32, mbtmp3.5/4, MS2.9/1, Ms1 2.9/1,
ms1mx2.4/20, Error ellipse: s-maj=131.6km
s-min=19.4km az=82.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SIJI Sorong, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 16 05:20:18.0, 2.9, 34.99S, 179.42°W, h0km, mb4.2/2,
mb1 4.4/4, mb1mx4.0/34, mbtmp4.3/4, ML4.0/2, Error
ellipse: s-maj=66.7km s-min=31.9km az=117.0

ISC/JB 16 05:20:19.4, 1.1, 35.10S, 0.07, 179.00°W, 0.1, h42km,
mb4.1/2, Error ellipse: s-maj=18.0km s-min=8.0km
az=22.4

WEL 16 05:20:21.9, 1.1, 35.8°S, 177.9°W, 1.2, h33km, ML4.4/2/3
ISC 16 05:20:19.7, 1.9, 35.08S, 0.10, 178.9°W, 0.2, h42km, n34,
c082/43, East of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MXZ Matakaoa Point, WNGZ Waikomatitani S, PKGZ Pakihairoa, etc.

ISC 16 05:31:17.0, 0.9, 11.86°N, 0.07, 88.01°W, 0.06, h70km, 12km,
mb3.5/3, Error ellipse: s-maj=14.1km s-min=5.5km
az=34.7

UCR 16 05:31:17.2, 1.5, 11.87°N, 88.01°W, h70km, 34km, ML3.1
IDC 16 05:31:17.2, 1.5, 12.99°N, 86.94°W, h0km, mb3.5/3,
mb1 3.8/4, mb1mx3.4/1, mbtmp3.5/4, ML2.8/1, Error
ellipse: s-maj=106.7km s-min=28.4km az=56.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CSGN Cosiguina Voic, CSGN San Cristobal, CRIN La Ca-ada, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PEB, BLCH, BEBN, LANF, etc.

BUI 16 06:04:13.7, 11.17S:166.52E, h154km, mb4.7/11, mB4.9/4

ISCJB 16 06:04:16.5, 0.3, 10.75S:0.04:166.15E:0.05, h155km, mb4.6/48, Error ellipse: s-maj=7.0km s-min=4.5km az=152.8

NEIC 16 06:04:16.9, 0.2, 10.67S:166.14E, mb4.7/22, Error ellipse: s-maj=6.3km s-min=4.8km az=91.0

IDC 16 06:04:17.0, 0.8, 10.71S:166.17E, h146km, mb4.0/16, mb1.4/19, mb1mx3.9/48, mbmp4.5/19, MS3.7/4, Ms1.3/7.4, ms1mx3.2/23, Error ellipse: s-maj=12.9km s-min=11.7km az=125.0

ISC 16 06:04:17.8, 0.4, 10.75S:0.06:166.11E:0.07, h155km, n135, r158/141, mb4.8/48, 1D, Santa Cruz Islands

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SCRC, EGAK, NV01, etc.

ISCJB 16 06:04:18.2, 1.3, 13.1N:0.2:114.6W:0.2, h10km, mb3.9/8, MS3.3/1, Error ellipse: s-maj=33.7km s-min=21.4km az=169.4

IDC 16 06:04:18.8, 1.7, 13.17N:114.61W, h0km, mb3.9/8, mb1.4/19, mb1mx3.9/36, mbmp3.8/9, ML3.3/1, MS3.0/3, Ms1.3/0.3, ms1mx2.8/29, Error ellipse: s-maj=45.7km s-min=27.2km az=73.0

ISC 16 06:04:20.4, 1.6, 13.22N:0.2:114.6W:0.3, h10km, n14, r090/9, mb3.9/8, Eastcentral Pacific Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H06S1, H06E1, LP1G, etc.

NIED 16 06:09:00.37:50N:143.67E, h5km, Mw3.7 Best double couple: M4.36000x1014 NPI1.35900000, r19.000000, lambda=110.000000, NP2.20000000, delta=2.000000, lambda=83.000000

IDC 16 06:09:11.7, 0.9, 37.30N:143.67E, h0km, mb3.7/8, mb1.3/9, mb1mx3.7/43, mbmp3.8/11, ML3.6/3, MS2.8/1, Ms1.2/8.1, ms1mx2.2/45, Error ellipse: s-maj=23.2km s-min=17.5km az=101.0

ISCJB 16 06:09:14.5, 0.2, 37.44N:143.46E:0.05, h33km, mb3.7/9, Error ellipse: s-maj=6.4km s-min=4.9km az=34.3

JMA 16 06:09:15.2, 0.2, 37.50N:143.38E, h47km, M3.5

ISC 16 06:09:15.5, 1.1, 37.52N:105.143:53E:0.08, h35km, n30, r176/36, mb3.7/9, Off east coast of Honshu

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

ISK 16 07:03:05.7,35.29N-27.64E,h5km,ML4.2/53
 NIC 16 07:03:08.7,0.1,35.79N-27.52E,h41km,mb4.7,ML4.4
 IDC 16 07:03:08.2,0.5,35.40N-27.65E,h0km,mb4.1/26,
 mb1.4,1/33,mb1mx4.1/52,mbtmp4.1/33,ML4.0,77,MS3.5/11,
 Ms1.3,5/11,ms1mx3.1/54,Error ellipse: s-maj=13.4km
 s-min=9.3km az=172.0
 ISCJB 16 07:03:09.1,0.5,35.25N-0.01-27.75E,0.01,1,h18km,4km,
 mb4.1/40,MS3.6/11,Error ellipse: s-maj=2.4km
 s-min=1.5km az=26.6
 HLW 16 07:03:09.7,35.52N-27.70E,h33km,42km,ML4.2
 DDA 16 07:03:09.7,35.36N-27.73E,h27km,ML4.1
 THE 16 07:03:10.7,35.45N-27.69E,h0km,ML4.1/16,Error
 ellipse: s-maj=2.0km s-min=0.9km az=145.0
 MOS 16 07:03:10.0,1.2,35.25N-27.71E,h22km,mb4.3/15,Error
 ellipse: s-maj=6.2km s-min=3.6km az=100.6
 ATH 16 07:03:10.9,35.46N-27.66E,h30km,2km,ML4.1/19,Error
 ellipse: s-maj=2.4km s-min=0.7km az=97.0
 NEIC 16 07:03:10.4,0.0,35.43N-27.70E,h1km,mb4.0/20,
 ML4.1(H1E),ML4.2(A1H),After THE
 GII 16 07:03:12.1,0.0,35.08N-27.99E,h1km,MD3.7/4
 ISC 16 07:03:10.1,0.7,35.32N-0.03-27.69E,0.02,h12km,4km,
 n539,01553/593,mb4.1/40,MS3.6/11,26C-7D,

Dodecanese Islands

Code	Station Name	Δ°	AZ°	Phase	ID	ISC	Op	h	m	s	ISC
ARG	Arkhangelos	0.96	21	P	Pg	ISC	Pg	07	03	25.7	-3.0
ARG	Arkhangelos	0.96	21	P	Sg	ISC	Sg	07	03	25.7	-3.0
ARG	Arkhangelos	0.96	21	P	Pg	ISC	Pg	07	03	26.8	-1.9
ARG	Arkhangelos	0.96	21	P	Pg	ISC	Pg	07	03	27.1	-1.5
ARG	Arkhangelos	0.96	21	P	Sg	ISC	Sg	07	03	26.8	-1.4
ARG	Arkhangelos	0.96	21	P	Sg	ISC	Sg	07	03	26.8	-1.4
ARG	Arkhangelos	0.96	21	P	AML	AML	AML	07	03	53.5	
ARG	Arkhangelos	0.96	21	P	Pg	ISC	Pg	07	03	26.8	-1.9
ARG	Arkhangelos	0.96	21	P	Sg	ISC	Sg	07	03	26.8	-1.9
ZKR	Zakros	1.23	261	PN	Pn	ISC	Pn	07	03	29.2	-3.9
ZKR	Zakros	1.23	261	P	Pn	ISC	Pn	07	03	31.9	-1.2
ZKR	Zakros	1.23	261	P	Pn	ISC	Pn	07	03	32.7	-0.4
ZKR	Zakros	1.23	261	P	AML	AML	AML	07	03	58.8	
ZKR	Zakros	1.23	261	P	Pn	ISC	Pn	07	03	31.9	-1.2
ZKR	Zakros	1.23	261	P	Sg	ISC	Sg	07	03	31.7	+2.1
STA	Sitia Lasithi	1.32	265	S	Sg	ISC	Sg	07	03	33.5	-0.8
NISR	Nisiros	1.36	341	P	Sg	ISC	Sg	07	03	34.5	+2.0
NISR	Nisiros	1.36	341	P	Pn	ISC	Pn	07	03	34.2	-0.8
NISR	Nisiros	1.36	341	P	Pn	ISC	Pn	07	03	33.8	-1.2
NISR	Nisiros	1.36	341	P	AML	AML	AML	07	04	02.7	
NISR	Nisiros	1.36	341	P	AML	AML	AML	07	04	05.6	
NISR	Nisiros	1.36	341	P	Sn	ISC	Sn	07	03	34.2	-0.8
NISR	Nisiros	1.36	341	P	Sn	ISC	Sn	07	03	32.4	-0.6
DAT	Datca	1.41	356	PN	Pn	ISC	Pn	07	03	34.5	-1.2
DAT	Datca	1.41	356	P	Sb	ISC	Sb	07	03	34.5	-1.2
DAT	Datca	1.41	356	P	Sb	ISC	Sb	07	03	34.5	-1.2
DATC	Datca-Mugla	1.43	359	PN	Pn	ISC	Pn	07	03	34.8	-1.2
MRSB	Marmaris-Mugla	1.45	16	PN	Pn	ISC	Pn	07	03	34.6	-1.6
DALY	Dalyan (Mu'ra)	1.68	27	P	Pn	ISC	Pn	07	03	38.4	-1.0
DALY	Dalyan (Mu'ra)	1.68	27	P	Pn	ISC	Pn	07	03	34.5	-1.2
DALY	Dalyan (Mu'ra)	1.68	27	P	Sg	ISC	Sg	07	04	06.2	+1.9
NPS	Neapolis	1.70	269	P	Pb	ISC	Pb	07	03	40.5	+0.8
NPS	Neapolis	1.70	269	P	Pb	ISC	Pb	07	03	41.0	-0.3
NPS	Neapolis	1.70	269	P	Sml	ISC	Sml	07	04	01.2	-0.1
NPS	Neapolis	1.70	269	P	AML	AML	AML	07	04	16.4	
NPS	Neapolis	1.70	269	P	AML	AML	AML	07	04	16.5	
NPS	Neapolis	1.70	269	P	Pn	ISC	Pn	07	03	40.5	+0.8
NPS	Neapolis	1.70	269	P	Sb	ISC	Sb	07	03	42.1	-0.1
TURN	Turunc	1.71	25	PN	Pn	ISC	Pn	07	03	36.0	-3.8
TURN	Turunc	1.71	25	P	Pn	ISC	Pn	07	03	37.0	-2.8
TURN	Turunc	1.71	25	P	Sn	ISC	Sn	07	04	00.3	-1.3
FETY	Fethiye	1.73	40	P	Pn	ISC	Pn	07	03	39.1	-1.0
FETY	Fethiye	1.73	40	P	Pn	ISC	Pn	07	03	39.3	-0.3
FETY	Fethiye	1.73	40	P	Pn	ISC	Pn	07	03	39.8	-0.3
KSL	Kastellorizon	1.75	61	P	Pn	ISC	Pn	07	03	40.3	+0.1
KSL	Kastellorizon	1.75	61	P	Pn	ISC	Pn	07	03	40.5	+0.3
KSL	Kastellorizon	1.75	61	P	Pn	ISC	Pn	07	03	40.3	+0.1
KSL	Kastellorizon	1.75	61	P	Sn	ISC	Sn	07	04	02.3	-0.1
BODT	Bodrum	1.76	350	PN	Pn	ISC	Pn	07	03	38.9	-1.6
BODT	Bodrum	1.76	350	P	Pn	ISC	Pn	07	03	39.4	-1.1
BODT	Bodrum	1.76	350	P	Pn	ISC	Pn	07	03	39.4	-1.1
BODT	Bodrum	1.76	350	P	Sn	ISC	Sn	07	04	01.8	-1.1
AKAS	Kas	1.80	59	PN	Pn	ISC	Pn	07	03	39.9	-1.2
AKAS	Kas	1.80	59	PN	Pn	ISC	Pn	07	03	41.1	0.0
AKAS	Kas	1.80	59	PN	Sb	ISC	Sb	07	04	06.0	+0.3
LAST	Lasithi	1.82	266	P	Pb	ISC	Pb	07	03	42.2	+0.9
LAST	Lasithi	1.82	266	P	Pb	ISC	Pb	07	03	43.0	-0.4
LAST	Lasithi	1.82	266	P	AML	AML	AML	07	04	20.1	
LAST	Lasithi	1.82	266	P	AML	AML	AML	07	04	22.6	
LAST	Lasithi	1.82	266	P	Pn	ISC	Pn	07	03	42.2	+0.9
LAST	Lasithi	1.82	266	P	Sg	ISC	Sg	07	04	08.2	-0.5
YKAV	Yalikavak-Bodr	1.83	350	PN	Pn	ISC	Pn	07	03	39.8	-1.6
ANAF	Anafi Island	1.87	304	P	Pn	ISC	Pn	07	03	41.1	-0.5
ANAF	Anafi Island	1.87	304	P	Sn	ISC	Sn	07	04	04.2	-1.3
ANAF	Anafi Island	1.87	304	P	AML	AML	AML	07	04	12.8	
ANAF	Anafi Island	1.87	304	P	AML	AML	AML	07	04	15.4	
ANAF	Anafi Island	1.87	304	P	Sn	ISC	Sn	07	03	41.2	-0.8
ANAF	Anafi Island	1.87	304	P	Sn	ISC	Sn	07	04	05.0	-0.5
MLSB	Milas	1.97	302	PN	Pn	ISC	Pn	07	03	42.2	-1.2
SANT	Santorini	2.09	301	P	Pn	ISC	Pn	07	03	43.1	-2.0
SANT	Santorini	2.09	301	P	Pn	ISC	Pn	07	03	43.2	-1.2
SANT	Santorini	2.09	301	P	eSn	ISC	eSn	07	04	11.2	+0.1
SANT	Santorini	2.09	301	P	Pn	ISC	Pn	07	03	44.5	-0.6
SANT	Santorini	2.09	301	P	AML	AML	AML	07	04	21.3	
SANT	Santorini	2.09	301	P	AML	AML	AML	07	04	21.4	
SANT	Santorini	2.09	301	P	Pn	ISC	Pn	07	03	45.0	-0.1
SANT	Santorini	2.09	301	P	Sn	ISC	Sn	07	04	08.9	-2.2
SANT	Santorini	2.09	301	P	Sn	ISC	Sn	07	03	44.5	-0.6
SANT	Santorini	2.09	301	P	Sn	ISC	Sn	07	04	11.7	+0.6
AMGA	Amorgos Island	2.10	316	P	Pn	ISC	Pn	07	03	44.2	+0.9
AMGA	Amorgos Island	2.10	316	P	AML	AML	AML	07	04	19.2	
AMGA	Amorgos Island	2.10	316	P	AML	AML	AML	07	04	23.0	
AMGA	Amorgos Island	2.10	316	P	Sn	ISC	Sn	07	03	44.0	-1.1
AMGA	Amorgos Island	2.10	316	P	Sn	ISC	Sn	07	04	11.5	+0.4
THR8	Santorini-Mono	2.10	302	P	Pn	ISC	Pn	07	03	44.8	-0.3
THR8	Santorini-Mono	2.10	302	P	Pn	ISC	Pn	07	03	44.6	-0.5
TH1	Athinos (Pele	2.12	301	P	Pn	ISC	Pn	07	03	45.0	-0.4
SAP2K	Karterados	2.13	300	P	Pn	ISC	Pn	07	03	45.1	0.0
THR6	Thira Island,	2.13	300	P	Pn	ISC	Pn	07	03	44.9	-0.6
THR6	Thira Island,	2.13	300	P	Pn	ISC	Pn	07	03	45.5	0.0
THR6	Thira Island,	2.13	300	P	Pn	ISC	Pn	07	03	44.9	-0.6
SAP1	Santorini-Akro	2.13	300	P	Pn	ISC	Pn	07	03	45.4	-0.2
SFR	Fira-Santorini	2.14	302	P	Pn	ISC	Pn	07	03	45.1	+0.3
THR7	Fira-Santorini	2.14	302	P	Pn	ISC	Pn	07	03	45.6	-0.1
THR7	Fira-Santorini	2.14	302	P	Pn	ISC	Pn	07	03	45.6	-0.1
IACM	Heraklion	2.14	270	P	Pb	ISC	Pb	07	03	47.7	-1.2
THR2	Thira Island,	2.15	302	P	Pn	ISC	Pn	07	03	45.3	-0.5
THR2	Thira Island,	2.15	302	P	Pn	ISC	Pn	07	03	45.6	-0.2
THR2	Thira Island,	2.15	302	P	Pn	ISC	Pn	07	03	45.5	-0.2
THR2	Thira Island,	2.15	302	P	Pn	ISC	Pn	07	03	45.5	-0.2
THR2	Thira Island,	2.15	302	P	Pn	ISC	Pn	07	03	45.8	0.0
THR2	Thira Island,	2.15	302	P	Pn	ISC	Pn	07	03	45.8	0.0
THR2	Thira Island,	2.15	302	P	Pn	ISC	Pn	07	03	45.5	-0.4
THR2	Thira Island,	2.15	302	P	Sn	ISC	Sn	07	04	13.3	+0.8
THR3	Thira Island,	2.15	301	P	Pn	ISC	Pn	07	03	45.1	-0.7
THR3	Thira Island,	2.15	301	P	Pn	ISC	Pn	07	03	45.1	0.0
THR3	Thira Island,	2.15	301	P	Pn	ISC	Pn	07	03	45.1	0.0
THR5	Thira Island,	2.19	301	P	Pn	ISC	Pn	07	03	46.4	0.0
THR5	Thira Island,	2.19	301	P	Pn	ISC	Pn	07	03	45.5	-0.9
SAP3	Santorini-Thir	2.21	301	P	Pn	ISC	Pn	07	03	46.7	+0.2
SAP3	Santorini-Thir	2.21	301	P	Pn	ISC	Pn	07	03	46.5	-0.1
SAP3	Santorini-Thir	2.21	301	P	Pn	ISC	Pn	07	03	44.4	-0.6
SAP4	Santorini-Oia	2.21	302	P	Pn	ISC	Pn	07	03	46.6	0.0

ELL	Elmali	2.29	51	PN	Pn	ISC	Pn	07	03	46.7	-1.2
ELL	Elmali	2.29	51	P	Pn	ISC	Pn	07	03	48.0	+0.1
IDI	Anoyia	2.29	270	PN	Pn	ISC	Pn	07	03	45.9	-1.9
IDI	Anoyia	2.29	270	PN	Pn	ISC	Pn	07	03	48.6	+0.7
IDI	Anoyia	2.29	270	PN	Pn	ISC	Pn	07	03	48.6	+0.7
IDI	Anoyia	2.29	270	PN	Pn	ISC	Pn	07	03	48.6	+0.7
IDI	Anoyia	2.29	270	PN	Pn	ISC	Pn	07	03	48.6	+0.7
IDI	Anoyia	2.29	270	PN	Pn	ISC	Pn	07	03	48.6	+0.7
AYDN	Tasoluk	2.34	4	P	Pn	ISC	Pn	07	03	48.6	+0.7
AYDN	Tasoluk	2.34	4	P	Pn	ISC	Pn	07	03	48.6	+0.7
AYDN	Tasoluk	2.34	4</								

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NBNS Bani Suf, YFIR Yatir, FNA Florida, etc.

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ARCES ARCESS Array B, BRVK Borovoye, BVAR Borovoye Array, etc.

Additional information and notes at the bottom of the page, including a large error message: 'mb2.7e, mb1.3.1/m, mb1mx2.9/24, mbtmp3.6/6, Error ellipse: s-maj=90.1km s-min=24.4km az=151.0, Fiji Islands region'.

Table with columns for call sign, frequency, power, and other technical details. Includes call signs like MJAR, MAJO, MAJQ, MAT, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes call signs like KNGR, SRAK, CMMT, CHTO, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes call signs like MCK, RND, SML, BVAR, etc.

Table with columns: ORV, Oroville, 77.45, 52, eP, P, 08 16 26.0 +0.7. Includes entries like WALTERSON Lakes, JOBA Circle Bar Ran, BMO Blue Mountains, etc.

Table with columns: TPNV, Topopah Spring, 82.32, 52, eP, P, 08 16 52.9 +1.0. Includes entries like TPNV Topopah Spring, TPNV Topopah Spring, TPNV Topopah Spring, etc.

Table with columns: WUAZ, Wupatki, 86.42, 51, P, P, 08 17 13.4 +0.8. Includes entries like WUAZ Wupatki, PV20 West Nyswonger, PV22 Blue Mesa, Par, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Rosebud, Junction City, Mansfield, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Prapat, Baridhalla, Makanchi Array, etc.

IDC 16 08:29:11.1-1.6, 9.69N-93.08W, h0km, mb3.5/5, mb1 3.7/5, mb1mx3.4/37, mbtmpt3.5/5, MS2.9/3, MS1 2.9/3, ms1mx2.5/34, Error ellipse: s-maj=90.0km s-min=20.6km az=53.0, Nicobar Islands region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Okmok Mt. Tuli, Okmok Cone E, Okmok New Cone, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CESW Semis' Southwe, AMKA Architika, OHAK Old Harbor, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WAX Waxell Ridge, CCB Clear Creek Bu, RCOB Red Dog Mine, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HAWA Hanford, D08A Wollman Farm, NEW Newport, etc.

16d 9h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like H1N3, LAO1, BW06, PDAR, GSC, etc.

2012 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KSCO, T25A, T25A, LAZ, ANMO, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like K43A, SFJD, ABTX, ABTX, D47A, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, I, S, C. Includes stations like AKASG, Malin Array Be, Malin Array Si, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, I, S, C. Includes stations like DRGR, KBZ, Khabaz, KBA, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, I, S, C. Includes stations like PRZ, ULHL, Ulahol, etc.

GUC 16 09:53:26.8±0.2, 63.384S:71.41W, h45km±4km, ML3.7, 1C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, I, S, C. Includes stations like CLCH, Cerro Calan, CLCH, etc.

UCR 16 10:07:09.5±2.0, 14:27'N:91.80'W, h20km±310km, ML4.5

UCR 16 10:07:09.5±2.0, 14:27'N:91.80'W, h20km±310km, ML4.5. Includes details on moment tensor solution and error ellipse.

NEIC 16 10:07:11.4±0.6, 14.44N:91.66W, h99km±7km, MD5.4

NEIC 16 10:07:11.4±0.6, 14.44N:91.66W, h99km±7km, MD5.4. Includes details on moment tensor solution and error ellipse.

NEIC Felt at El Palmar, Quetzaltenango, San Pedro La Laguna and Santiago Atitlan. Felt (I) at Ahuachapan, El Salvador.

NEIC Felt at El Palmar, Quetzaltenango, San Pedro La Laguna and Santiago Atitlan. Felt (I) at Ahuachapan, El Salvador. Includes details on moment tensor solution and error ellipse.

GCMT 16 10:07:13.0±1.1, 14:30N:91.32W, h139km±b5.1/47 Error

GCMT 16 10:07:13.0±1.1, 14:30N:91.32W, h139km±b5.1/47 Error. Includes details on moment tensor solution and error ellipse.

ISC 16 10:07:11.4±0.3, 14.70N:0.049154W, h133km±2km, h113km±1km, Guatemala

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, I, S, C. Includes stations like THIG, THIG, THIG, etc.

SOME 16 09:45:26.3±0.4, 80.180N:79.93E, h15km

SOME 16 09:45:26.3±0.4, 80.180N:79.93E, h15km. Includes details on moment tensor solution and error ellipse.

ISC 16 09:45:26.2±0.2, 80.180N:79.93E, h10km, n12, 189N/23, 2C-2D, Southern Xinjiang

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, I, S, C. Includes stations like UZB, Uzunbulak, UZB, etc.

ISC 16 09:46:01.9±1.8, 42.11N:0.27753E, h26km±11km, n6, 0580/11, 12C, Lake Issyk-Kul region

ISC 16 09:46:01.9±1.8, 42.11N:0.27753E, h26km±11km, n6, 0580/11, 12C, Lake Issyk-Kul region. Includes details on moment tensor solution and error ellipse.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, I, S, C. Includes stations like Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, I, S, C.

ISC 16 09:46:00.4±2.3, 41.98N:0.27756E, h21km±11km, Error ellipse: s-maj=27.8km s-min=7.4km az=174.6

ISC 16 09:46:00.4±2.3, 41.98N:0.27756E, h21km±11km, Error ellipse: s-maj=27.8km s-min=7.4km az=174.6. Includes details on moment tensor solution and error ellipse.

ISC 16 09:46:00.7±0.1, 41.98N:0.27754E, h30km, mb2.2

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, I, S, C. Includes stations like Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, I, S, C.

16d 10h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like NHSC New Hope, SWET Sewanee, X53A Estanola, etc.

2012 DEC

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like S41A Jilco Farms, U52A Thorn Hill, S43A Fulton Ridge, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like TUC Tucson, P44A Sand Creek, P42A Winchester, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like M45A Boilermakers S, MCWV Mont Chateau, N49A Columbus Grove, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like PV22 Blue Mesa, PV23 Carpenter Ridg, K46A Dorr, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like H40A Chili, H41A Junction City, H41A Junction City, etc.

16d 10h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like LRM, FURC, CTU, COWI, etc.

2012 DEC

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like NCB, SMMC, E50A, G55A, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like PAHR, RUBR, WVW, VLDQ, etc.

Table with columns: MKAR, Station Name, Time, Res, etc. Includes stations like Makanchi Array, Warramunga Arr, Alice Springs, etc.

IDC 16 10:12:31.2-4.5,25.02N;140.36E, h0km, mb4.0/3, mb1 4.3/3, mb1mx3.454, mbtmp4.0/3, MS3.4/1, Ms1 3.3/1, ms1mx2.4/38, Error ellipse: s-maj=12.4km, s-min=32.5km az=80.0, Volcano Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like WRA, ASAR, STKA, FINES.

ISK 16 10:22:04.7, 37.85N;39.04E, h5km, ML1.7/3 DDA 16 10:22:05.5, 37.93N;38.98E, h7km, M12.6 ISK 16 10:22:04.8-1.6, 37.87N;0.04;39.01E;0.04, h2km;13km, n9, o097/16, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like URFA, SANL, AKCD, SURC, PTX, MAZI, HANI, GZT, MARD.

IDC 16 10:23:38.0, 9.1, 101.01N;86.00W, h0km, mb4.1/14, mb1 4.3/16, mb1mx1.4/3, mbtmp4.1/16, ML3.0/2, MS3.8/11, Ms1 3.8/11, ms1mx3.6/27, Error ellipse: s-maj=29.6km, s-min=9.8km az=38.0

UCR 16 10:23:37.1-1.8, 10.32N;86.41W, h6km;11km, MD4.2, ML4.4, mb4.6(NEIC) ISCBJ 16 10:23:41.4-0.5, 10.50N;0.04;86.16W;0.0/3, h60km;3km, mb4.6/126, MS4.0/1, Error ellipse: s-maj=7.7km, s-min=4.3km az=33.2

NEIC 16 10:23:42.5-0.7, 10.51N;86.13W, h43km;5km, mb4.6/122, Error ellipse: s-maj=8.1km, s-min=4.6km az=203.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like VCR, NY14, LAPC, PLVR, BUEV, GB1A, GPS5.

Table with columns: GPS1, Station Name, Time, Res, etc. Includes stations like Guardaparques, LIM1, GUAB, COLE, MESS, JuntasAbangare, etc.

Table with columns: MATN, Station Name, Time, Res, etc. Includes stations like Matagalpa, Volcan Turrial, CVTR, URSC, TRTI, etc.

Table with columns: DRKO, Station Name, Time, Res, etc. Includes stations like San Miguel, Tequiguapa, Un, APG, BCIP, etc.

IDC 16 10:23:38.0, 9.1, 101.01N;86.00W, h0km, mb4.1/14, mb1 4.3/16, mb1mx1.4/3, mbtmp4.1/16, ML3.0/2, MS3.8/11, Ms1 3.8/11, ms1mx3.6/27, Error ellipse: s-maj=29.6km, s-min=9.8km az=38.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like WRA, ASAR, STKA, FINES, etc.

Table with columns: 147A, Station Name, Time, Res, etc. Includes stations like Livingston, Fort Valley, Union, etc.

TXAR	comp=E,1.1nm,0.9s,baz=141,slow=4.3,SNR=4.5	LR	LR	10 40 11.3	SIUC	Southern Illin	27.27 355 eP	P	10 29 21.9 -0.2	ANMO	Albuquerque	30.56 326 P	P	10 29 51.3 -0.4
TX31	comp=E,1.41nm,20.3s,baz=0.0,slow=40	LR	LR	10 29 01.6 +1.0	USIN	University of	27.42 358 eP	P	10 29 23.3 -0.2	N53A	Lisbon	30.61 8 P	P	10 29 50.0 -0.9
MIAR	Lajas Ar. Si	24.86 322 eP	P	10 29 00.0 -0.7	MNTX	Cornus Mount	27.57 323 P	P	10 29 23.8 -1.2	MVL	Millersville	30.71 15 eP	P	10 29 53.6 +0.9
MIAR	comp=E,1.13nm,0.9s	24.90 346 P	P	10 29 00.1 -0.7	WCI	Wyandotte Cave	27.66 360 eP	P	10 29 25.1 -0.5	PAGS	Pennsylvania G	30.83 14 eP	P	10 29 54.0 +0.3
CPCT	Cooper Cave	24.93 3 eP	P	10 29 01.2 +0.2	WCI	Wyandotte Cave	27.66 360 eP	P	10 29 24.3 -1.3	N55A	Marion Center	30.88 11 P	P	10 29 53.4 -0.8
KMSC	Kings Mountain	24.98 10 eP	P	10 29 01.8 +0.3	R46A	Gibson Southern	27.66 358 P	P	10 29 24.5 -1.1	N54A	Moraine State	30.88 9 P	P	10 29 53.4 -0.9
KMSC	Kings Mountain	24.98 10 P	P	10 29 00.8 -0.6	R47A	Woolly Knot Far	27.72 360 P	P	10 29 24.6 -1.6	M50A	Fremont	30.95 5 P	P	10 29 53.2 -1.6
V50A	Pikeville	25.12 2 P	P	10 29 02.2 -0.6	R49A	Shelbyville	27.73 2 P	P	10 29 25.3 -1.0	SSPA	Standing Stone	30.96 12 eP	P	10 29 54.7 -0.1
V48A	Smith Brothers	25.18 359 eP	P	10 29 03.1 -0.1	R50A	Paris	27.76 3 P	P	10 29 25.5 -1.1	SSPA	Standing Stone	30.96 12 P	P	10 29 54.5 -0.4
V48A	Smith Brothers	25.18 359 P	P	10 29 02.4 -0.9	R45A	Skyler, Fairri	27.78 357 P	P	10 29 25.4 -1.3	M49A	Liberty Center	30.96 3 P	P	10 29 53.9 -1.0
TKL	Tuckaleechee C	25.19 5 P	P	10 29 01.5 -1.9	R44A	Waltonville	27.79 355 P	P	10 29 25.4 -1.4	M41A	Milan	31.03 354 P	P	10 29 54.0 -1.5
TKL	comp=E,2.16nm,19.4s,baz=294,slow=38	LR	LR	10 39 08.9	R48A	Northridge Ran	27.83 1 P	P	10 29 25.6 -1.5	M39A	Webster	31.34 351 P	P	10 29 56.4 -1.8
TKL	Tuckaleechee C	25.19 5 eP	P	10 29 03.5 +0.1	R51A	Hillsboro	27.83 5 eP	P	10 29 25.9 -1.2	L48A	N Adams	31.41 3 P	P	10 29 56.7 -2.1
V49A	McMinnville	25.20 1 P	P	10 29 02.2 -1.3	CCM	Cathedral Cave	27.84 352 eP	P	10 29 26.0 -1.2	L47A	Sherwood	31.41 2 P	P	10 29 57.1 -1.7
W41B	Gary Mavity, V	25.20 348 eP	P	10 29 02.8 -0.7	CCM	Cathedral Cave	27.84 352 P	P	10 29 26.1 -1.2	L46A	Eue Claire	31.43 360 P	P	10 29 57.1 -1.9
W41B	Gary Mavity, V	25.20 348 P	P	10 29 01.8 -1.7	MSTX	Muleshoe	27.87 330 eP	P	10 29 28.3 +0.5	M54A	Old Creek Stat	31.47 10 eP	P	10 30 01.0 +1.6
ABTX	Abilene, Hawle	25.28 333 eP	P	10 29 06.4 +2.1	R43A	Red Bud	27.90 354 P	P	10 29 26.3 -1.4	L42A	Oliver, Polo	31.57 355 eP	P	10 30 00.5 +0.3
V47A	Nunnely	25.28 358 P	P	10 29 03.0 -1.3	OLIL	Olney	28.21 357 eP	P	10 29 30.2 -0.3	L42A	Oliver, Polo	31.57 355 P	P	10 29 58.3 -1.9
V46A	Holladay	25.29 356 P	P	10 29 02.7 -1.5	Q48A	North Vernon	28.36 1 P	P	10 29 30.9 -1.0	L43A	Garden Prairie	31.68 356 P	P	10 29 59.2 -2.0
V45A	Humboldt	25.29 355 P	P	10 29 02.7 -1.6	Q47A	Bedord North L	28.36 360 P	P	10 29 30.4 -1.5	L41A	Preston	31.72 354 P	P	10 29 59.8 -1.7
V51A	Loudon	25.29 4 eP	P	10 29 05.3 +1.0	Q45A	Wagon Harvey,	28.37 357 P	P	10 29 30.8 -1.2	N59A	State Game Lan	31.72 15 eP	P	10 30 02.1 +0.5
V51A	Loudon	25.29 4 P	P	10 29 03.6 -0.8	R58B	Mineral	28.41 14 P	P	10 29 30.8 -1.5	N59A	State Game Lan	31.72 15 P	P	10 29 59.5 -2.1
V53A	Saluda	25.29 7 eP	P	10 29 04.0 -0.4	PTGA	Pitling	28.41 111 P	P	10 29 33.4 +0.7	L40A	Anamosa	31.79 353 P	P	10 30 00.5 -1.7
V53A	Saluda	25.29 7 P	P	10 29 03.2 -1.2	PTGA	comp=E,1.4nm,0.3s,baz=282,slow=6.5,SNR=6.5	LR	LR	10 41 48.9	L39A	Vinton	31.95 352 P	P	10 30 02.1 -1.4
HBAR	Harrisburg	25.30 352 eP	P	10 29 04.4 0.0	PTGA	Pitling	28.41 111 eP	P	10 29 33.5 +0.9	LP4Z	La Paz	32.06 146 LR	LR	10 43 44.5
WHAR	Woolly Hollow	25.33 348 eP	P	10 29 03.8 -0.8	Q44A	Meyer Farm, Va	28.44 355 eP	P	10 29 32.3 -0.2	K47A	Vermontville	32.11 2 P	P	10 30 03.2 -1.8
V52A	Sevierville	25.39 5 eP	P	10 29 05.2 0.0	Q44A	Meyer Farm, Va	28.44 355 P	P	10 29 31.4 -1.1	K43A	Burlington	32.18 357 P	P	10 30 03.8 -1.8
V52A	Sevierville	25.39 5 P	P	10 29 04.0 -1.1	Q49A	Aurora	28.45 2 P	P	10 29 31.6 -1.2	SDCO	Great Sand Dun	32.22 331 eP	P	10 30 08.1 +1.7
X37A	Clayton	25.43 342 eP	P	10 29 06.2 +0.6	Q51A	Peebles	28.57 5 eP	P	10 29 33.9 +0.2	SDCO	Great Sand Dun	32.22 331 P	P	10 30 04.8 -1.5
V43A	Jonesboro	25.52 352 P	P	10 29 04.5 -1.9	Q51A	Peebles	28.57 5 P	P	10 29 33.0 -0.7	K41A	Shullsburg	32.22 354 P	P	10 30 04.8 -1.2
W39A	Magazine	25.57 346 eP	P	10 29 06.8 0.0	BLO	Bloomington	28.60 360 eP	P	10 29 33.4 -0.6	K48A	Perry	32.28 3 P	P	10 30 05.2 -1.3
W39A	Magazine	25.57 346 P	P	10 29 05.9 -0.9	Q52A	Bidwell	28.61 6 P	P	10 29 33.4 -0.7	K49A	Clarkson	32.30 4 P	P	10 30 04.7 -1.9
WVT	Waverly	25.60 357 eP	P	10 29 06.3 -0.8	Q41A	Truxton	28.73 352 P	P	10 29 34.2 -0.9	K40A	Colesburg	32.40 353 P	P	10 30 06.4 -1.2
WVT	Waverly	25.60 357 P	P	10 29 05.4 -1.7	CBN	Corbin Frederi	28.76 15 eP	P	10 29 36.1 +0.7	K39A	Delwein	32.50 352 P	P	10 30 06.2 -2.2
V42A	Cord	25.66 350 P	P	10 29 06.2 -1.5	P48A	Milroy	28.89 1 P	P	10 29 35.0 -1.6	JFWS	Jewell Farm	32.52 355 eP	P	10 30 07.0 -1.6
V41A	Mountainview	25.78 349 P	P	10 29 08.1 -0.7	P47A	Martinsville	28.91 360 P	P	10 29 35.5 -1.2	JFWS	Jewell Farm	32.52 355 P	P	10 30 06.8 -1.9
U46A	Springville	25.85 356 P	P	10 29 08.0 -1.3	P44A	Sand Creek, Wi	28.97 356 P	P	10 29 35.8 -1.5	W18A	Petrified Fore	32.56 323 eP	P	10 30 09.2 -0.1
U50A	Jamestown	25.88 3 P	P	10 29 08.6 -1.0	P45A	Graceland, Par	28.98 358 eP	P	10 29 36.8 -0.6	J47A	Summer	32.67 2 P	P	10 30 08.5 -1.5
U47A	Clarksville	25.89 358 P	P	10 29 08.4 -1.3	P45A	Graceland, Par	28.98 358 P	P	10 29 36.3 -1.1	S22A	4UR Ranch, Cre	32.87 329 P	P	10 30 11.7 -0.4
U51A	La Follette	25.89 4 P	P	10 29 08.7 -1.0	P49A	Miami Univ. Ec	28.99 2 P	P	10 29 35.9 -1.6	BINY	Binghamton	32.88 14 eP	P	10 30 11.8 0.0
U44B	Burton Farm, H	25.92 354 P	P	10 29 08.8 -1.2	P51A	Williamsport	29.05 5 eP	P	10 29 36.9 -1.2	BINY	Binghamton	32.88 14 P	P	10 30 10.2 -1.6
U48A	Cassie Pea, Po	25.94 359 P	P	10 29 09.2 -1.0	P51A	Williamsport	29.05 5 P	P	10 29 37.2 -0.8	J41A	Loganville	32.95 355 P	P	10 30 11.1 -1.2
U49A	Red Boiling Sp	25.95 1 P	P	10 29 09.6 -0.6	P46A	Rosedale	29.05 358 P	P	10 29 37.3 -0.7	J40A	Soldiers Grove	33.05 354 P	P	10 30 11.7 -1.5
U52A	Thorn Hill	25.95 5 P	P	10 29 09.8 -0.6	P50A	Jamestown	29.11 4 P	P	10 29 37.5 -1.1	J39A	Decorah	33.10 353 P	P	10 30 12.4 -1.2
U53A	Fall Branch	26.01 7 P	P	10 29 09.9 -1.0	P53A	Whipple	29.23 8 eP	P	10 29 39.7 +0.1	I43A	Langensfeld Bro	33.34 358 P	P	10 30 14.0 -1.8
TZTN	Tazewell	26.09 5 eP	P	10 29 11.9 +0.3	P52A	Corning	29.29 7 P	P	10 29 39.1 -0.6	I42A	Draeger Farm,	33.39 357 P	P	10 30 14.5 -1.7
TZTN	Tazewell	26.09 5 P	P	10 29 10.6 -0.9	P55A	Reeseville	29.49 10 P	P	10 29 41.3 -0.7	I47A	Gladwin	33.47 2 P	P	10 30 15.3 -1.6
U42A	Reverden	26.17 351 P	P	10 29 11.1 -1.2	MCWV	Mont Chateau	29.64 10 P	P	10 29 42.0 -1.2	I40A	Norwalk	33.53 354 P	P	10 30 15.3 -2.1
U41A	Viola	26.28 350 P	P	10 29 11.8 -1.5	O44A	Mansfield	29.64 357 P	P	10 29 41.8 -1.5	I51A	Listowel	33.53 7 P	P	10 30 15.7 -1.8
T47A	Sharon Grove	26.43 358 eP	P	10 29 14.1 -0.5	O47A	Sheridan	29.66 0 P	P	10 29 41.8 -1.6	I39A	Houston	33.59 353 P	P	10 30 16.0 -1.9
T47A	Sharon Grove	26.43 358 P	P	10 29 13.4 -1.2	O49A	Covington	29.66 3 eP	P	10 29 42.1 -1.3	I41A	Arkdale	33.63 355 P	P	10 30 16.2 -2.0
U40A	Yellville	26.47 348 P	P	10 29 13.9 -1.1	O49A	Covington	29.66 3 P	P	10 29 42.1 -1.3	H46A	Pike Lake	33.97 1 P	P	10 30 18.9 -2.4
T51A	Gray	26.48 4 P	P	10 29 13.9 -1.2	O50A	Cable	29.66 4 P	P	10 29 42.1 -1.3	TRY	Troy	33.98 17 eP	P	10 30 23.1 +1.9
PBMO	Poplar Bluff	26.48 352 eP	P	10 29 14.6 -0.4	O48A	Farmland	29.70 2 P	P	10 29 42.0 -1.7	H41A	Junction City	34.16 356 P	P	10 30 20.7 -2.2
T50A	Nancy	26.48 3 P	P	10 29 14.0 -1.1	O45A	Potomac	29.70 358 P	P	10 29 42.8 -0.9	H40A	Chili	34.23 355 P	P	10 30 21.2 -2.3
T46A	Princeton	26.51 357 P	P	10 29 14.1 -1.2	O51A	Pataskala	29.75 6 P	P	10 29 43.0 -1.2	GLMI	Gaulay	34.27 2 P	P	10 30 21.2 -2.6
T45A	Paducah	26.54 356 eP	P	10 29 15.7 +0.1	ACSO	Alum Creek Sta	29.80 5 eP	P	10 29 44.3 -0.3	PV12	Saucer Basin,	34.32 328 eP	P	10 30 27.4 +2.8
T48A	Bowling Green	26.54 360 P	P	10 29 14.3 -1.3	ACSO	Alum Creek Sta	29.80 5 P	P	10 29 43.6 -1.1	ECSD	EROS Data Cent	34.35 347 eP	P	10 30 23.5 -1.0
T49A	Edmonton	26.54 1 eP	P	10 29 15.5 -0.1	O52A	Adamsville	29.80 7 eP	P	10 29 44.7 +0.1	ECSD	EROS Data Cent	34.35 347 P	P	10 30 22.9 -1.7
T49A	Edmonton	26.54 1 P	P	10 29 14.5 -1.1	O52A	Adamsville	29.80 7 P	P	10 29 43.6 -1.0	H39A	Augusta	34.38 354 P	P	10 30 22.7 -2.0
LPIG	La Paz	26.62 304 LR	LR	10 40 20.5	SFIN	Lafayette	29.81 359 eP	P	10 29 44.0 -0.7	PV17	East Wray Mesa	34.38 327 eP	P	10 30 26.4 +1.3
HHAR	Hobbs	26.64 346 eP	P	10 29 16.4 -0.1	SFIN	Lafayette	29.81 359 P	P	10 29 43.3 -1.5	SADO	Sadowa	34.73 9 P	P	10 30 25.4 -2.4
T44A	Benton	26.68 354 P	P	10 29 15.9 -0.9	O41A	Pasleys Farm,	29.82 353 P	P	10 29 43.7 -1.1	SADO	Sadowa	34.73 9 eP	P	10 30 27.5 -0.3
T52A	Hallie	26.70 6 P	P	10 29 15.9 -1.2	O43A	Sugar Creek Fa	29.83 355 P	P	10 29 44.3 -0.6	G40A	Rib Lake	34.85 355 eP	P	10 30 28.8 0.0
WMOK	Wichita Mounta	26.74 337 eP	P	10 29 20.1 +2.6	O53A	New Philadelph	30.01 8 P	P	10 29 45.9 -0.6	G39A	Holcombe	34.96 354 P	P	10 30 27.3 -2.5
WMOK	Wichita Mounta	26.74 337 P	P	10 29 16.7 -0.8	SDMD	Soldier's Dell	30.03 15 eP	P	10 29 46.8 +0.1	SPMN	Marine on St.	35.10 352 P	P	10 30 28.4 -2.6
T43A	Greenville	26.76 353												

Table with columns for station name, frequency, power, and other technical details. Includes stations like Kurchatov, NDI New Delhi, DANG Dangsing, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LZH, BRDH Bariadhal, POO Poona, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CHTO Chiang Mai, PAYA Payao, CMAR Chiang Mai, etc.

Table with columns: JAG, Ashikaga, 3.52 249, P, Pn, 10 35 45.9 +1.6, etc.

ISN 16 10:41:05.6:1.3, 37.32N:46.23E, h316km, 126km, ML3.2

TEH 16 10:41:09.5, 37.93N:46.75E, h10km, ML3.2

AZER 16 10:41:10.0:0.1, 38.11N:46.83E, h5km, 28km, ml3, 1/10

Error ellipse: s-maj=20.7km s-min=4.6km az=17.0

ISC 16 10:41:10.0:0.1, 37.31N:0.03:46.74E:0.03, h10km, gkm, n17, r124/31, 12C-7Z, Northwestern Iran

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

ISCJB 16 10:44:54.9:0.5, 36.94N:0.04:71.62E:0.07, h106km, mb3.5/5, Error ellipse: s-maj=8.2km s-min=4.9km az=162.9

IDC 16 10:44:56.1:3.5, 36.97N:71.64E, h100km, 30km, mb3.3/5, mb1 3.5/12, mb1mx3.3/7, mbtmp3.8/12, Error ellipse: s-maj=31.8km s-min=19.7km az=165.0

NNC 16 10:45:01.8:2.0, 37.39N:71.53E, h135km, 29km, mb3.4, mpv4, 3, Error ellipse: s-maj=25.8km s-min=16.8km az=121.0

ISC 16 10:44:55.2:0.7, 36.93N:0.06:71.63E:0.06, h106km, n35, r196/42, mb3.3/5, 6C-3D, Afghanistan-Tajikistan border region

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

Table with columns: FINES, FINES Array B, 37.41 326, P, P, 10 51 59.5 +1.9, etc.

TRN 16 11:11:05.4, 10:39N:62.18W, h10km, MD3.9, 2C, Near coast of Venezuela

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

ISCJB 16 11:11:49.9:0.8, 38.12N:0.04:143.77E:0.06, h33km, mb3.5/2, Error ellipse: s-maj=7.0km s-min=5.5km az=6.1

IDC 16 11:11:49.4:8.4, 37.68N:143.92E, h0km, mb3.3/2, mb1 3.5/3, mb1mx3.2/29, mbtmp3.2/3, ML3.1/1, Error ellipse: s-maj=176.2km s-min=39.5km az=12.0

JMA 16 11:11:51.6:1.3, 38.09N:0.05:143.75E:0.08, h35km, n18, r150/31, Off east coast of Honshu

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

ISCJB 16 11:22:50.0:0.7, 4.73S:0.09:153.0E:0.1, h55km, mb3.9/13, MS3.1/2, Error ellipse: s-maj=18.7km

IDC 16 11:22:50.6:4.0, 4.66S:153.20E, h47km, 39km, mb3.6/12, mb1 3.7/13, mb1mx3.5/35, mbtmp3.8/13, ML1.1/1, MS3.1/2, Ms1 3.2/2, ms1mx2.6/31, Error ellipse: s-maj=26.0km s-min=22.5km az=109.0

ISC 16 11:22:51.4:0.9, 4.75S:0.1:153.1E:0.1, h55km, n16, r150/17, mb3.9/13, New Ireland region

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

Table with columns: PDGK, Podgornoye, 0.26 247, U/P, Pb, 10 51 59.5 +1.9, etc.

ISCJB 16 11:11:49.9:0.8, 38.12N:0.04:143.77E:0.06, h33km, mb3.5/2, Error ellipse: s-maj=7.0km s-min=5.5km az=6.1

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

ISCJB 16 11:22:50.0:0.7, 4.73S:0.09:153.0E:0.1, h55km, mb3.9/13, MS3.1/2, Error ellipse: s-maj=18.7km

IDC 16 11:22:50.6:4.0, 4.66S:153.20E, h47km, 39km, mb3.6/12, mb1 3.7/13, mb1mx3.5/35, mbtmp3.8/13, ML1.1/1, MS3.1/2, Ms1 3.2/2, ms1mx2.6/31, Error ellipse: s-maj=26.0km s-min=22.5km az=109.0

ISC 16 11:22:51.4:0.9, 4.75S:0.1:153.1E:0.1, h55km, n16, r150/17, mb3.9/13, New Ireland region

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Klimovskoe, Alice Springs, WAKE ISLAND, Waramungga Arr, etc.

ISCJBJ 16 12:01:48.5:0.7,36:20N:0:06:71.61E:0:09, h114km, mb3.2/2, Error ellipse: s-maj=11.6km s-min=6.8km az=152.7

DDA 16 12:01:49.5:5.9,36:17N:71.41E, h92km,39km, mb3.1/2, s-maj=7.1km s-min=3.0km az=168.0

ISC 16 12:01:49.9:0.6,36:33N:0:08:71.56E:0:07, h114km, n18, c2777/24,4C-1D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Sufi-Kurgan, AAK, KK31, etc.

DDA 16 12:08:18.8:0.8,9:87N:126:50E, h0km, mb4.1/10, mb1.4/3/10, mb1mx3.9/39, mbtmp4.1/10, MS3.3/1, Ms1.3/3.1, ms1mx2.5/40, Error ellipse: s-maj=35.0km s-min=17.6km az=72.0

s-min=5.7km az=30.6
NEIC 16 12:08:22.1,10:37N:126:57E, h1km, mb4.8, ML3.7, MS3.7
MA 16 12:08:23.6:0.3,9:86N:126:49E, h35km, mb4.4/13, Error ellipse: s-maj=15.2km s-min=6.4km az=72.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Surigao, Butuan, Maasin, Borongan, Palo, Lopo-Lapu, Musuan, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Cismopet, Kulim, Wanagama, Chiang Mai Arr, etc.

DDA 16 12:45:10.0:1.8,9:84S:124:69E, h0km, mb3.3/1, mb1.3/9.3, mb1mx3.5/30, mbtmp3.7/3, ML3.8/2, Error ellipse: s-maj=32.6km s-min=15.1km az=158.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Soe, Baomata, Maumere, Ende, Plampang, Waramungga Arr, etc.

ISCN 16 12:46:59.0:0.9,36:86N:142:79E, h4km,4km, ML3.0
DDA 16 12:47:00.8,36:88N:142:77E, h7km, ML3.0
ISCJBJ 16 12:47:01.4:1.1,36:86N:0:05:42:89E:0:07, h10km,9km, Error ellipse: s-maj=10.7km s-min=6.0km az=138.8

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Mosul, Kukureka, HAkkari, Siirt_Merkez, Batman, Mardin, Silvan-Diyarbakir, Kirkuk, etc.

ISCJBJ 16 13:06:47.3:0.5,37:65S:0:1:17:3W:0:1, h10km, mb4.4/13, MS3.8/9, Error ellipse: s-maj=16.1km s-min=12.2km az=161.5

DDA 16 13:06:47.9:0.8,37:47S:17:31W, h0km, mb4.2/9, mb1.4/3.9, mb1mx4.0/26, mbtmp4.2/9, MS3.8/9, Ms1.3/7.9, ms1mx3.6/15, Error ellipse: s-maj=27.0km s-min=18.8km az=170.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Tristan da Cun, Ascension Hydr28.59, Ascension Hydr28.59, Ascension Hydr28.60, Ascension Hydr29.70, Ascension Hydr29.71, Ascension Hydr29.72, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BDFB Brasilia, SNAA Sanae, CPUP Villa Florida, etc.

IDC 16 13:12:22.0, 8.0, 8.30S, 117.62E, h0km, mb4.1/8, mb1.4/2.10, mb1mx3.9/4.3, mbtmp4.1/1.0, ML4.0/2, MS3.3/6, Ms1.3/3.6, ms1mx3.0/3.7, Error ellipse: s-maj=39.2km s-min=14.7km az=59.0

DJA 16 13:12:25.0, 0.2, 8.2, S, 117.8E, h10km, M4.5/17, mb4.9/3, mb4.9/4, MLV4.4/17, Mw(MB)4.2/4

ISCJB 16 13:12:26.0, 0.3, 8.25S, 0.03x117.74E, 0.03, h35km, mb4.4/14, MS3.3/4, Error ellipse: s-maj=5.0km s-min=4.2km az=25.7

NEIC 16 13:12:28.0, 0.8, 8.30S, 117.74E, h3km, 10km, mb4.3/7, Error ellipse: s-maj=11.8km s-min=6.6km az=211.0

ISC 16 13:12:28.0, 0.5, 8.28S, 0.05x117.74E, 0.06, h35km, n58, s1966/60, mb4.4/14, MS3.2/4, Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PLAI Plampang, SRBI Singaraja, IGBI Denpasar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WMQ Urumqi, KSH Kashi, SNAA Sanae, etc.

ISK 16 13:15:48.5, 0.7, 01N, 28.14E, h30km, ML2.4/5 DDA 16 13:15:50.6, 0.6, 30N, 28.10E, h7km, ML2.7

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

IDC 16 13:18:00.5, 50.0, 17.84S, 175.37W, h0km, mb4.1/3, mb1.4/3.3, mb1mx3.7/4.3, mbtmp4.1/3, MS3.3/1, Ms1.3/3.1, ms1mx2.6/2.4, BKZ Error ellipse: s-maj=949.4km s-min=171.4km az=80.0, Tonga Islands

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

JSN 16 13:23:07.4, 0.4, 17.78N, 77.30W, h19km, 6km, MD3.6, 5C-50, Jamaica region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PCJ Portland Cotta, MCJ Malvern, MCJ Coleville, etc.

IDC 16 13:27:33.5, 0.7, 13.58N, 121.05E, h138km, 9km, mb3.3/4, mb1.3/5.4, mb1mx3.1/3.4, mbtmp3.7/4, Error ellipse: s-maj=53.9km s-min=16.2km az=54.0

ISCJB 16 13:27:34.2, 0.5, 13.62N, 0.03x120.73E, 0.05, h142km, 5km, mb3.9/5, Error ellipse: s-maj=8.7km s-min=5.0km az=175.6

MAN 16 13:27:34.7, 13.62N, 120.73E, h125km, mb4.7, ML3.6

ISC 16 13:27:34.5, 0.8, 13.61N, 0.04x120.73E, 0.06, h142km, 7km, n23, s187/33, mb3.8/5, 2C-1D, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TGJ Tagaytay City, BOAC Boac, SJMP San Jose, etc.

BATI Baumata 23.84 173 P 13 32 34 -0.5 WRA Warramunga Arr 35.93 158 P 13 34 18.3 -3.1

WEL 16 13:39:27.8, 41.45, 0.6, 175.0E, 0.5, h24km, 1km, ML4.2/16, Cook Strait

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BHW Baring Head, MSWZ Moikau Station, PLWZ Palliser, etc.

IDC 16 14:05:06.9, 2.1, 1.29N, 126.73E, h0km, mb3.5/3, mb1.3/7.3, mb1mx3.4/2.1, mbtmp3.5/3, Error ellipse: s-maj=183.5km s-min=24.6km az=66.0

DJA 16 14:05:14.7, 1.3, 1.1N, 117.12E, h10km, M3.6/3, MLV3.6/3

ISCJB 16 14:05:15.5, 1.3, 1.3N, 0.2x127.03E, 0.08, h100km, mb3.3/3, Error ellipse: s-maj=23.9km s-min=10.5km az=13.6

ISC 16 14:05:16.9, 1.4, 1.2N, 0.2x127.06E, 0.09, h100km, n5, s2831/7, mb3.2/3, Halmahera

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists various stations like WKZ, Wanaka, MLZ, Mavora Lakes, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists various stations like STKA, Stephens Creek, WR1, Warrungarra Arr, etc.

LZV	Lovozero	84.99	339j	eP	P	16 04 33.8	-0.7
LZV	comp-Z,12nm,1.5s						
RKT	Rikitea	85.01	115	eLR	LR	16 30 50.4	
RV01	Mina Array Sit	85.07	52	eP	P	16 04 36.4	+0.6
NVAR	Mina Array B	85.07	52	eP	P	16 04 37.4	+1.6
NVAR	comp-Z,10.0nm,0.8s,baz=254,slow=6.6,SNR=29					16 41 16.9	
KVN	KaiserVill	85.07	51	eP	P	16 04 36.7	+0.9
KVN	KaiserVill	85.07	51	eP	P	16 04 36.7	+0.9
NV11	Mina Array Sit	85.18	52	eP	P	16 04 37.2	+0.9
ALNE	Al Ain	85.26	293	iP	P	16 04 38.6	+1.9
WALA	Waterton Lakes	85.37	41	eP	P	16 04 38.4	+1.4
TIN	Tinemaha, Big	85.46	53	eP	P	16 04 38.0	+0.3
APA	Apapaty	85.56	339j	iP	P	16 04 36.6	-0.7
APA	comp-Z,17nm,1.0s						
APA	comp-Z,17nm,1.0s						
ISA	Isabella, Lake	85.61	54	eP	P	16 04 38.9	+0.5
ISA	Isabella, Lake	85.61	54	eP	P	16 04 38.9	+0.5
ISA	comp-Z,20nm,1.8s						
ISA	Isabella, Lake	85.61	54	eP	P	16 04 38.2	-0.2
CWC	Cottonwood Cre	85.73	54	eP	P	16 04 38.5	-0.6
KLMR	Klimovskoe	85.89	332	eP	P	16 04 35.6	-3.5
KLMR	Klimovskoe	85.89	332	eP	P	16 04 35.6	-3.5
MSO	Missoula	85.98	43	eP	P	16 04 39.9	-0.1
EDW2	Edwards Air Fo	86.19	55	eP	P	16 04 41.4	+0.1
CIS	Catalina Islan	86.22	57	eP	P	16 04 39.9	-1.5
LRMC	Laurel Mtn Rad	86.28	54	eP	P	16 04 41.3	-0.5
MPMC	Manuel Propsec	86.29	54	eP	P	16 04 41.0	-0.9
MWC	Mount Wilson	86.30	56	eP	P	16 04 42.0	0.0
MWC	Mount Wilson	86.30	56	eP	P	16 04 42.0	0.0
HLID	Hailey	86.57	46	eP	P	16 04 43.7	+0.6
HLID	Hailey	86.57	46	eP	P	16 04 43.1	0.0
FURC	Furnace Creek	86.67	53	eP	P	16 04 43.7	+0.2
TULEG	Thule	87.00	8	eP	P	16 04 44.8	+0.6
GSC	Goldstone, Bar	87.02	54	eP	P	16 04 46.8	+1.5
GSC	Goldstone, Bar	87.02	54	eP	P	16 04 46.8	+1.5
GSC	Goldstone, Bar	87.02	54	eP	P	16 04 44.8	-0.5
TPNV	Topopah Spring	87.02	53	eP	P	16 04 45.4	0.0
TPNV	Topopah Spring	87.02	53	eP	P	16 04 45.4	0.0
TPNV	Topopah Spring	87.02	53	eP	P	16 04 44.7	-0.7
ARCES	ARCES Array B	87.07	342	eP	P	16 04 44.9	+0.1
ARCES	comp-Z,14nm,0.8s,baz=52,slow=6.3,SNR=17					16 48 47.9	
ARCES	ARCES Array B	87.07	342	eP	P	16 04 44.5	-0.2
ARCES	ARCES Array B	87.07	342	eP	P	16 04 44.5	-0.2
MAK	Makhchakala	87.10	313	eP	P	16 04 41.3	-4.1
MAK	comp-Z,16nm,1.4s					16 05 05.0	
R11A	Troy Canyon, C	87.15	51	eP	P	16 04 45.7	-0.4
R11A	Troy Canyon, C	87.15	51	eP	P	16 04 45.7	-0.4
LRM	Limekiln Ridge	87.26	43	eP	P	16 04 45.1	-1.4
SHOC	Shoshone, Teco	87.28	54	eP	P	16 04 46.2	-0.3
DLMT	Dillon	87.30	44	eP	P	16 04 46.7	+0.2
HRY	Holter Reservoir	87.40	42	eP	P	16 04 46.9	-0.1
109C	Camp Elliot, M	87.41	57	eP	P	16 04 46.5	-0.6
MZR	Muzera	87.54	293	eP	P	16 04 50.5	+2.5
TUQ	Tuzetoun Moun	87.68	54	eP	P	16 04 47.9	-0.6
PFO	Pinyon Flats O	87.74	56	eP	P	16 04 48.6	-0.3
BAR	Barrett	87.82	57	eP	P	16 04 49.0	-0.1
BOZ	Bozeman (W)	87.87	43	eP	P	16 04 49.3	0.0
BOZ	Bozeman (W)	87.87	43	eP	P	16 04 49.3	0.0
BOZ	Bozeman (W)	87.87	43	eP	P	16 04 49.3	0.0
SGF	Sodankyl	87.92	341	eP	P	16 04 49.3	+0.5
MONP2	Monument Peak	87.96	57	eP	P	16 04 50.2	+0.1
SHPR	Sheep Range	87.98	53	eP	P	16 04 50.5	+0.5
BELC	Belle Mtn. Jos	88.01	56	eP	P	16 04 50.6	+0.4
GMRC	Granite Mounta	88.06	55	eP	P	16 04 50.6	+0.2
VRH	Novokhoporsky	88.23	323	eP	P	16 04 49.6	-1.1
VRH	comp-Z,20nm,0.9s						
VRH	comp-Z,20nm,0.9s						
HVU	Hansel Valley	88.24	47	eP	P	16 04 51.7	+0.5
HVU	Hansel Valley	88.24	47	eP	P	16 04 51.7	+0.5
IKP	In-Ko-Pah, Jac	88.28	57	eP	P	16 04 51.5	0.0
BGU	Big Grassy Mou	88.31	48	eP	P	16 04 52.1	+0.5
EGMT	Eagleton	88.31	41	eP	P	16 04 51.5	+0.2
EGMT	Eagleton	88.31	41	eP	P	16 04 51.4	+0.2
PSUT	Pine Spring	88.41	51	eP	P	16 04 52.7	+0.6
LDFC	Landfair	88.42	54	eP	P	16 04 52.7	+0.6
YHB	Horse Butte	88.43	44	eP	P	16 04 52.8	+0.7
JOF	Joensuu	88.52	336	eP	P	16 04 51.4	-0.4
BC3	Big Chuckawall	88.54	56	eP	P	16 04 52.6	0.0
YMR	Madison River	88.61	44	eP	P	16 04 52.8	-0.1
YRM	Iron Mountain	88.65	55	eP	P	16 04 53.4	+0.3
IRH	Holmes Hill	88.65	44	eP	P	16 04 54.5	+1.2
DUG	Dugway, Toco	88.69	49	eP	P	16 04 53.2	0.0
DUG	Dugway, Toco	88.69	49	eP	P	16 04 53.2	0.0
DUG	Dugway, Toco	88.69	49	eP	P	16 04 53.7	+0.4

YFT	Old Faithful	88.77	44	eP	P	16 04 55.2	+1.5
DAG	Danmarks Havn	88.79	357	iP	P	16 04 51.9	-0.9
YNR	Norris Junction	88.79	44	eP	P	16 04 55.4	+1.6
FXWY	Fox Creek	88.90	45	eP	P	16 04 55.1	+0.8
H17A	Grant Village	88.96	44	eP	P	16 04 55.4	+1.8
FLWY	Flagg Ranch	88.98	45	eP	P	16 04 56.8	+1.1
MOOW	Moose Ponds	89.06	45	eP	P	16 04 55.9	+0.9
CCUT	Cedar City	89.06	52	eP	P	16 04 55.5	+0.3
REDW	Red Top Meadow	89.11	45	eP	P	16 04 55.2	+0.9
GCMT	Geysyliff	89.11	43	eP	P	16 04 55.4	+0.3
AHID	Auburn Hatcher	89.12	46	eP	P	16 04 55.5	+0.2
HWUT	Hardware Ranch	89.16	47	eP	P	16 04 55.1	-0.4
LOHW	Long Hollow	89.20	45	eP	P	16 04 55.5	-0.2
GLA	Glamis	89.21	56	eP	P	16 04 56.2	+0.5
GLA	Glamis	89.21	56	eP	P	16 04 56.3	+0.5
GLA	Glamis	89.21	56	eP	P	16 04 55.8	+0.1
Y12C	Blythe	89.26	55	eP	P	16 04 56.2	+0.3
Y12C	Blythe	89.26	55	eP	P	16 04 56.2	+0.3
SZCU	Shurtz Canyon	89.26	51	eP	P	16 04 55.3	-0.8
NLU	North Lily Min	89.30	49	eP	P	16 04 55.0	-1.3
CTU	Camp Tracy	89.31	48	eP	P	16 04 55.3	-0.9
LPSR	Galich'ya Gora	89.33	325	eP	P	16 04 54.6	-1.2
W13A	Hualapai Mount	89.38	54	eP	P	16 04 55.8	-0.9
TCUT	Toone Canyon	89.42	48	eP	P	16 04 56.6	-0.2
JLU	Jordanle	89.56	48	eP	P	16 04 58.0	+0.5
OBN	Obninsk	89.60	327j	eP	P	16 04 55.8	-1.2
KNB	Kanab	89.63	52	eP	P	16 04 58.8	+0.9
KNB	Kanab	89.63	52	eP	P	16 04 58.8	+0.9
NCK	Nalchik	89.65	315j	iP	P	16 04 57.4	-0.2
MSU	Mysyvalde	89.67	50	eP	P	16 04 59.7	+1.7
ZEI	Tsey	89.67	314	eP	P	16 04 56.9	-1.0
VSR	Storozhevo	89.72	323	eP	P	16 04 56.2	-1.5
VSR	comp-Z,30nm,1.1s						
VORD	Divnogorie	89.75	323	eP	P	16 04 56.3	-1.5
MTPU	Mount Pierson	89.81	51	eP	P	16 04 57.8	-1.1
KBZ	Khabaz	90.05	315	eP	P	16 04 59.3	-0.1
KBZ	comp-Z,2.7nm,1.1s,baz=60,slow=4.9,SNR=5.5					16 49 04.8	
KIV	Kislovodsk	90.12	316	eP	P	16 04 59.1	-0.7
KIV	comp-Z,40nm,4.1s					16 15 28.2	
TMUT	Trail Mountain	90.14	49	eP	P	16 05 02.2	+1.8
113A	Mohawk Valley	90.14	56	eP	P	16 05 00.1	0.0
BW06	Boulder Array	90.20	46	eP	P	16 05 00.6	+0.2
BW06	Boulder Array	90.20	46	eP	P	16 05 00.5	+0.1
PD31	Pinedale Array	90.20	46	eP	P	16 05 00.8	+0.3
PDAR	Pinale Array	90.20	46	eP	P	16 05 01.2	+0.8
PDAR	comp-Z,1.0nm,0.8s,baz=23,slow=1.9,SNR=9.2					16 40 03.2	
UDAR	Pinale Array	90.20	46	eP	P	16 04 59.9	-0.5
P17A	Butcher Ranch	90.22	52	eP	P	16 05 00.7	-0.1
FFC	Flin Flon	90.28	33	eP	P	16 05 00.5	+0.2
FFC	Flin Flon	90.28	33	eP	P	16 05 01.3	+1.1
Q16A	Castle Valley	90.29	50	eP	P	16 05 01.3	+0.4
NEY	Neytrino	90.34	315j	eP	P	16 05 02.6	+1.6
AKH	Akhalkakali	90.41	313	eP	P	16 05 02.1	+0.7
AKH	Akhalkakali	90.41	313	eP	P	16 05 02.1	+0.7
P17A	Butcher Ranch	90.43	49	eP	P	16 05 00.8	-0.8
PUL	Pulkovo	90.49	333j	iP	P	16 05 01.5	+0.5
SUF	Sumaiene	90.65	337	eP	P	16 05 01.5	-0.3
SRU	San Rafael Sev	90.71	49	eP	P	16 05 02.6	-0.2
SRU	San Rafael Sev	90.71	49	eP	P	16 05 02.6	-0.2
LAO	LASA Array	91.03	41	eP	P	16 05 05.3	+1.3
LAO	LASA Array	91.03	41	eP	P	16 05 04.3	+0.3
214A	Organ Pipe Nat	91.16	57	eP	P	16 05 04.9	0.0
WUAZ	Wupatki	91.21	53	eP	P	16 05 05.0	-0.2
WUAZ	Wupatki	91.21	53	eP	P	16 05 05.1	-0.2
FIA1	FINESS Array S	91.38	336	eP	P	16 05 03.8	-1.4
FINES	FINESS Array B	91.39	336	eP	P	16 05 03.9	-1.3
FINES	comp-Z,356nm,20.3s,baz=45,slow=5.7					16 48 27.1	
X16A	Lo Mia Camp, P	91.50	54	eP	P	16 05 07.4	+0.8
PV09	Paradox Valley	91.93	50	eP	P	16 05 09.1	+0.4
VNDA	Vanda	91.97	177	eP	P	16 05 07.1	-0.3
VNDA	comp-Z,1.7nm,0.9s,baz=332,slow=5.2,SNR=7.6					16 41 57.9	
VNDA	Vanda	91.97	177	eP	P	16 05 07.8	+0.4
O20A	White River Ci	92.02	48	eP	P	16 05 09.3	+0.4
O20A	White River Ci	92.02	48	eP	P	16 05 09.3	+0.4
PV21	Conc Mtn., Par	92.03	50	eP	P	16 05 09.6	+0.6
PV23	Carpenter Ridg	92.04	50	eP	P	16 05 09.4	+0.3
PV10	Paradox Valley	92.05	50	eP	P	16 05 09.9	+0.8
PV14	Lion Creek, Pa	92.06	50	eP	P	16 05 09.8	+0.6
PV19	Morning Glory	92.11	50	eP	P	16 05 09.9	+0.6

PV17	East Wray Mesa	92.14	50	eP	P	16 05 09.8	+0.3
PV16	Nyswonger Mesa	92.16	50	eP	P	16 05 10.0	+0.4
PV22	Mesa, Grand	92.18	49	eP	P	16 05 10.0	+0.3
PV18	Skein Mesa, Pa	92.19	50	eP	P	16 05 10.3	+0.6
PV11	David Mesa, Pa	92.19	50	eP	P	16 05 10.0	+0.3
PV03	Paradox Valley	92.23	50	eP	P	16 05 08.9	-1.0
PV12	Saucer Basin,	92.24	50</				

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like La Serena, Tololo Observa, Combarbala, Campanas, etc.

ADC 16:17:43:17.8:3.5, 11.18N:141.68E, h0km, mb3.7/6, m1 4.0/6, mb1mx3.6/40, mbtmp3.7/6, MS2.8/1, Ms1 2.8/1, ms1mx2.3/1km, Error ellipse: s-maj=111.2km s-min=32.1km az=176.0, Western Caroline Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kunigami, Chiang Mai Arr, Makanchi Array, Zalesovo Beam, etc.

ADC 16:17:44:03.0:3.5, 11.25N:141.72E, h0km, mb3.7/6, m1 4.0/6, mb1mx3.7/39, mbtmp3.7/6, Error ellipse: s-maj=112.4km s-min=32.8km az=177.0, Western Caroline Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Chiang Mai Arr, Makanchi Array, Zalesovo Beam, Eielson Array, etc.

ISCJB 16:17:46:17.7:0.6, 5.51S:0.08x147.60E:0.07, h170km, mb3.8/10, Error ellipse: s-maj=11.2km s-min=9.9km az=38.5

ADC 16:17:46:17.1:1.4, 5.56S:147.60E, h148km, mb3.6/10, m1 3.7/15, mb1mx3.6/35, mbtmp4.1/15, Error ellipse: s-maj=14.7km s-min=10.9km az=89.0

ISC 16:17:46:19.2:0.7, 5.62S:148.147.56E:0.09, h170km, n16, s=146/19, mb3.8/10, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Port Moresby, Jayapura, Honiara, Sorong, Warrungga Arr, Alice Springs, etc.

MEX 16:17:47:51.0:0.3, 16.25N:98.03W, h3km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Pinotepa, Tlapa, Vista Hermosa, Matias Romero.

JMA 16:18:08:11.6:0.2, 38.20N:143.89E, h42km, M3.6, Off east coast of Honshu

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kaneyama, Otama, Ashikaga, Ryugasaki, etc.

ADC 16:18:08:47.1:0.9, 30.60S:177.56W, h0km, mb4.2/5, m1 4.4/5, mb1mx4.0/24, mbtmp4.2/5, MS3.6/5, Ms1 3.8/5, ms1mx3.2/26, Error ellipse: s-maj=27.8km s-min=21.1km az=106.0

ISCJB 16:18:08:48.5:0.8, 31.120S:0.08x177.2W:0.1, h33km, mb4.2/5, MS3.8/4, Error ellipse: s-maj=18.3km s-min=10.8km az=21.3

ISC 16:18:08:51.2:0.8, 31.11S:0.1x177.3W:0.1, h33km, n25, s=171/22, mb4.3/5, MS3.8/4, Kermadec Islands region

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

SOME 16:18:17:16.4:39.85N:78.00E, h0km, ADC 16:18:17:23.1:0.8, 39.89N:77.76E, h0km, mb3.7/10, m1 3.8/14, mb1mx3.6/41, mbtmp3.6/14, ML3.0/4, MS3.3/2, Ms1 3.3/2, ms1mx2.6/33, Error ellipse: s-maj=17.1km s-min=14.6km az=60.0

BUI 16:18:17:24.5, 40.08N:77.85E, h10km, mb3.5/8, ML3.7/9, Ms7.3/4/2

MOS 16:18:17:25.3:0.2, 39.90N:77.88E, h22km, mb4.2/7, Error ellipse: s-maj=13.4km s-min=7.2km az=90.7

KRNET 16:18:17:27.7:0.1, 40.22N:77.77E, mb3.9, NNC 16:18:17:28.5:1.4, 40.17N:77.69E, h0km, mb4.0, mpv3.6, Error ellipse: s-maj=14.9km s-min=6.8km az=140.0

ISC 16:18:17:26.2:1.4, 40.18N:0.04x77.84E:0.03, h7km, 9km, n104, s2848/131, mb3.7/12, 29C-31D, Kyrgyzstan-Xinjiang border region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kotlybulak, Almaty, Maibute, Karagaybulak, Kurang, etc.

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

MOS 16:24:43.7±0.0, 42.33N, 48.46E, h2km, MPVA3.3
NORS 16:24:46.0±0.0, 42.11N, 45.52E, h19km
DRS 16:24:46.0±0.0, 42.40N, 48.71E, h23km
DDA 16:24:48.0, 42.26N, 45.14E, h8km, M12.8
TIF 16:24:47.5, 42.26N, 45.46E, h24km, 1km
ISC 16:24:47.6±1.2, 42.18N, 0.03±45.53E, 0.02, h23km±14km, n31, c1573/61, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DUS Dusheti, DUS Dusheti, SEAG Tbilisi Sea, SEAG Tbilisi Sea, etc.

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

MAN 16:26:49.3, 71.1N, 123.81E, h96km, mb4.2, ML3.0, MS2.6, 1D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTBH Cotabato-PC H, CTBH Cotabato-PC H, SKMP Bagumbayan, Su, SKMP Bagumbayan, Su, etc.

ISC 16:38:51.8±1.7, 17.98S, 177.58W, h0km, mb3.9/5, mb1 4.2/5, mb1mx3.8/26, mbtmp3.9/5, MS3.2/1, Ms1 3.2/1, ms1mx2.6/29, Error ellipse: s-maj=19.1km s-min=25.5km az=146.0, Fiji Islands region

ISC 16:38:04.1±0.2, 46.1N, 151.1E, h5km, M2.5/7, ML2.7/1, ML2.4/7

ISC 16:38:04.1±0.0, 46.35N, 6.29E, h2km, M2.7/1, M12.7/26, Error ellipse: s-maj=1.0km s-min=0.7km az=85.0

ZUR 16:38:04.3, 46.39N, 6.33E, h3km, ML2.0/8, Error ellipse: s-maj=1.1km s-min=2.2km az=139.0

ISC 16:38:03.1±0.9, 46.36N, 0.01±4.28E, 0.02, h14km±7km, n67, c059/116, 2C-2D, Switzerland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like OG02 Monnetier-Morn, OG02 Monnetier-Morn, OG02 Monnetier-Morn, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CDF Lullaba, CDF Lullaba, AGO Saint Agoulin, AGO Saint Agoulin, etc.

ISC 16:40:14.6±0.4, 7.49S, 0.04±128.84E, 0.05, h131km, mb3.9/14, Error ellipse: s-maj=7.5km s-min=5.5km az=14.9

NEIC 16:40:15.3±1.5, 7.43S, 128.97E, h123km±15km, mb4.2/3, Error ellipse: s-maj=16.2km s-min=8.3km az=57.0

ISC 16:40:18.1±1.9, 7.40S, 128.83E, h144km±1.7km, mb3.7/10, mb1 3.8/12, mb1mx3.7/27, mbtmp4.1/12, MS3.8/1, Ms1 3.8/1, ms1mx2.8/26, Error ellipse: s-maj=20.4km s-min=12.0km az=89.0

DJA 16:40:18.0±0.4, 8.5±12.9E, h190km±12km, M4.6/6, mb4.5/6, mb5.2/4, MLV4.6/6, Mw(MB)4.5/4, Mwp6.7/1

ISC 16:40:16.5±0.5, 7.49S, 0.06±128.81E, 0.07, h131km, n44, c1534/45, mb4.0/14, Banda Sea

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

ISC 16:40:18.0±0.4, 8.5±12.9E, h190km±12km, M4.6/6, mb4.5/6, mb5.2/4, MLV4.6/6, Mw(MB)4.5/4, Mwp6.7/1

ISC 16:40:16.5±0.5, 7.49S, 0.06±128.81E, 0.07, h131km, n44, c1534/45, mb4.0/14, Banda Sea

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

ASAR Alice Springs 57.19 183 P P 19 05 08.0 -0.3
PALK Palkelele 57.76 256 LR LR 19 29 39.7

NIED 16 19:09:00,37.30N,143.40E,h8km,Mw3.7 Best double couple: Ms3.75000,2014 NP1,2,27.00000,0.833.00000, 1.86.00000. NP2,2,33.00000,0.857.00000, 1.92.00000.

IDC 16 19:09:23.1,1.1,37.09N,143.73E,h0km,mb3.6/6, mb1 3.8/10,mb1mx3.6/43,mbtmp3.7/10,ML3.8/3,MS2.3/2, Ms1 2.3/2,ms1mx2.1/43,Error ellipse: s-maj=28.4km s-min=19.3km az=62.0

ISCJB 16 19:09:26.2,0.7,37.28N,143.39E,0.05,h33km, mb3.6/6,MS4.2/1,Error ellipse: s-maj=6.2km s-min=5.0km az=1.0

JMA 16 19:09:26.7,0.1,37.32N,143.37E,h46km,M3.7 ISC 16 19:09:27.9,1.0,37.27N,143.44E,0.08,h35km,n29, c=217/41,mb3.6/6,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Ishinomakikobu, Ouri, Kawauchi, etc.

IDC 16 19:27:07.5,0.8,29.21N,53.81E,h0km,mb3.8/15, mb1 3.9/18,mb1mx3.7/55,mbtmp3.8/18,ML3.4/3,MS3.9/1, Ms1 1.9/1,ms1mx2.6/36,Error ellipse: s-maj=22.3km s-min=14.9km az=24.0

ISCJB 16 19:27:09.0,0.2,29.24N,102.53E,0.03,h10km, mb3.7/15,MS4.0/1,Error ellipse: s-maj=4.0km s-min=2.8km az=159.3

TEH 16 19:27:09.8,29.25N,53.88E,h12km,ML3.5 OMAN 16 19:27:10.7,29.15N,53.95E,h0km,368km,Error ellipse: s-maj=66.7km s-min=24.3km az=334.0

DSN 16 19:27:14.1,1.3,29.03N,53.67E,h23km,ML3.6/9,Error ellipse: s-maj=19.5km s-min=7.3km az=28.0

ISC 16 19:27:09.4,0.5,29.30N,104.53E,0.03,h10km,n86, c=159/90,mb3.7/15,Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Jahrom, Pars, Shiraz, etc.

MSFE Esma-Masafi 4.42 152 S Sn 19 28 18.2 +0.1
MSFE Parvadeh(Tabas 4.42 32 ePn Pn 19 28 20.0 +3.2

IKLH Kolahrood 4.46 334 ePn Pn 19 28 19.5 +2.1
IKLH Madha 4.53 151 Pn Pn 19 28 19.3 +1.2

MDH Madha 4.53 151 Pn Pn 19 28 19.6 +1.4
NAZ Nazwa, Dubai 4.58 159 Pn Pn 19 28 20.8 +1.9

UOSS Minazif 4.81 154 S Sn 19 28 22.7 +0.7
UOSS ASUD 4.84 164 P Pn 19 28 25.0 +2.7

ASUD Al Rashush, Dub 4.84 164 P Pn 19 28 24.4 +2.1
KRSH Karshahi 4.88 343 ePn Pn 19 28 25.8 +2.7

HATD Hatta, Dubai 4.89 155 P Pn 19 28 24.0 +0.9
HATD Hatta, Dubai 4.89 155 ePn Pn 19 28 24.6 +1.5

ASHO Ashiyah 5.00 157 P Pn 19 29 20.5 -1.9
ASHO Ashiyah 5.00 157 P Pn 19 28 25.7 +1.2

TKDS Kohadasht(Taba 5.11 32 ePn Pn 19 28 25.8 +2.3
TKDS Nastanj 5.20 26 ePn Pn 19 28 29.8 +2.4

IDMV Damavand 6.45 346 ePn Pn 19 28 48.7 +4.0
HSAM Samen 6.64 319 ePn Pn 19 28 49.1 +1.8

WSAR Wadi Sarin 7.39 144 Pn Pn 19 28 56.7 -0.8
BOOSS 5.26 230 P Sn 19 28 30.1 +2.0

BFRT Keskin Arrab 19.61 307 P Pn 19 31 38.2 +0.1
AAK Ala-Arocha 21.27 46 Sn Pn 19 31 58.7 +2.6

DIYI Diyala 25.79 291 P Pn 19 32 35.0 -0.1
PYUN Pluthan 25.80 86 eP Pn 19 32 38.9 +0.2

KOLN Koldanda 26.13 86 eP Pn 19 32 44.0 0.0
DANN Danning 26.17 85 eP Pn 19 32 44.9 +0.4

DMN Damang 27.47 86 eP Pn 19 32 56.4 +0.2
KKN Kakani 27.59 85 eP Pn 19 32 56.8 +0.4

PKIN Phulchoi 27.73 86 eP Pn 19 32 58.5 0.0
GUN Gumba 28.09 85 eP Pn 19 33 02.2 +0.4

MKAR Makanchi Arrab 28.16 44 P Pn 19 33 02.4 +0.5
JIRN Jiri 28.41 85 eP Pn 19 33 04.4 -0.3

RAM Ramite 28.91 87 eP Pn 19 33 09.8 +0.8
ZALV Zalesovo Beam 29.32 34 P Pn 19 33 47.6 +0.3

GERES Geres Arrab 36.25 314 P Pn 19 34 12.7 -0.1
FINES FINESS Arrab 37.03 338 P Pn 19 34 19.1 -0.1

HFS Hagfors 40.93 330 P Pn 19 34 51.9 +0.1
CMAR Chiang Mai Arr 42.37 94 P Pn 19 35 04.2 0.0

NB2 NORSAR Subarra 42.44 331 P Pn 19 35 04.1 -0.1
NOA NORSAR Arrab 42.44 331 P Pn 19 35 03.9 -0.4

EKA Eskdalemuir Arr 47.84 320 P Pn 19 35 46.4 -0.8
TORD Torodi Arr 50.82 263 P Pn 19 36 09.5 -1.0

DBIC Dimbroko 59.57 260 LR LR 20 03 44.8
KSRK Korea Arr 60.93 61 P Pn 19 37 21.8 -0.8

YKA Yellowknife Arr 88.06 355 S Pn 19 39 59.6 -0.1
WRA Warramunga Arr 91.66 112 P Pn 19 40 17.0 -0.3

ASAR Alice Springs 93.19 115 P Pn 19 40 24.9 +0.5
MAN 16 19:29:34.5,10.33N,126.47E,h6km,mb4.8,ML3.7,MS3.6, 2C-1D,Philippine Islands region

TPTI Kotacane, Aceh 1.60 75 P Pn 19 30 24.0 -1.8
KCSI Gunungsitoli 2.25 72 P Pn 19 30 34.7 0.0

LSMI Lhok Sumawe 2.72 79 P Pn 19 30 42.2 +1.0
TSTi Tuntungan 3.00 77 P Pn 19 30 46.8 +1.7

PSI Prapa 3.29 90 Pn Pn 19 30 49.0 -0.1
PSI 8.9nm,0.3s,baz=360,slow=7.4,SNR=18 2.9nm,0.7s Sn 19 31 23.8 -3.7

PSI 23nm,0.3s,baz=360,slow=18,SNR=7.2 LR 19 32 15.8
comp=Z,1.06nm,20.9s,baz=268,slow=43 LR 19 32 15.8

MNSI Mandailing Nat 4.43 117 P Pn 19 31 06.0 +1.2
PKDT Phuket 5.70 28 P Pn 19 31 29.9 +7.6

SKLT Songkhla 6.58 49 P Pn 19 31 36.3 +2.0
MYKM Kota Tinggi 8.28 97 P Pn 19 31 59.0 +1.4

SRAK Srakaw 12.79 29 P Pn 19 33 05.6 -4.6
CHAI Chaiyaphum 14.42 25 P Pn 19 33 28.3 0.0

PALK Pallekele 15.51 287 Sn Sn 19 36 21.8 -5.7
UTTA Uttarakhand 15.59 18 P Pn 19 33 41.8 +0.5

CMAR Chiang Mai Arr 15.87 12 Pn Pn 19 33 41.0 +0.1
CMAR 0.4nm,0.3s,baz=199,slow=11,SNR=28 LR 19 39 06.9

CMAR comp=Z,32nm,18.9s,baz=226,slow=35 LR 19 33 45.5 +0.2
CMMT Chiang Mai 16.21 11 P Pn 19 33 45.6 +0.3

CHTO Chong Mai 16.21 11 P Pn 19 33 45.6 +0.3
NONG Nongkai 16.84 25 P Pn 19 33 55.6 +0.5

KDM Kudat 21.51 78 P Pn 19 34 48.0 +1.7
H08S2 Diego Garcia H 25.32 246 T T 20 01 40.0

H08S3 Diego Garcia H 25.32 246 T T 20 01 41.2
H08S1 Diego Garcia H 25.34 246 T T 20 01 41.4

RAM Ramite 25.50 341 eP Pn 19 35 27.6 +1.8
IRI Iri 26.29 341 eP Pn 19 35 36.0 +1.7

PKIN Phulchoi 26.48 339 eP Pn 19 35 36.3 +1.6
GUN Gumba 26.62 340 eP Pn 19 35 38.2 +2.1

KKN Kakani 26.72 339 eP Pn 19 35 39.6 +2.8
KOLN Koldanda 27.34 336 eP Pn 19 35 45.0 +2.7

DANN Danning 27.79 337 eP Pn 19 35 48.8 +2.3
XAN Xi'an 33.44 20 P pmax pmax 19 36 34.4 -1.6

XAN comp=Z,7.0nm,0.6s pmax pmax
XAN comp=Z,89nm,4.6s pmax pmax

GTA Gaotai 36.61 5 eP Pn 19 37 02.8 -0.6
GTA 19 37 07.1 -4.4

H01W Cape Leeuwin H 41.34 157 T T 20 21 21.9
H01W2 Cape Leeuwin H 41.36 157 T T 20 21 24.2

H01W1 Cape Leeuwin H 41.36 157 T T 20 21 28.1
WRA Warramunga Arr 44.22 122 P Pn 19 38 06.0 -0.6

MKAR Makanchi Arrab 45.30 347 P Pn 19 38 15.8 +0.0
KSRK Korea Arr 45.44 37 LR LR 19 39 52.6

ASAR Alice Springs 45.62 127 P Pn 19 38 17.3 -0.5
ASAR comp=Z,1.4nm,0.6s,baz=299,slow=7.8,SNR=26 Pn 19 39 56.2 +0.4

SONM Songoing Arr 45.79 10 P Pn 19 38 18.7 0.0
ZALV Zalesovo Beam 51.72 352 P Pn 19 39 46.4 +0.6

USRK USSuriyisk Arr 52.22 33 P Pn 19 39 07.3 -0.6
STKA Stephens Creek 55.60 132 P Pn 19 39 32.8 -0.1

ISCJB 16 19:56:21.6,0.7,7.05S,105.129E,0.08,h139km, mb3.4/3, Error ellipse: s-maj=11.2km s-min=7.2km az=8.8

IDC 16 19:57:50.8,1.6,43.77N,105.48W,h0km,mb1 3.6/4, mb1mx3.3/40,mbtmp3.2/4,ML3.3/4,Error ellipse: s-maj=32.9km s-min=21.1km az=97.0

DJA 16 19:56:55.1,1.8,3.17x12.7E,1.4,h129km,30km, M3.6/5,mb3.6/1,ML3.7/6.5

ISC 16 19:56:21.7,0.8,7.21S,105.006E,129.46E,0.09,h139km,n11, c=29/10,mb3.6/3,Banda Sea

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

ISCJB 16 19:57:48.0,6.43,91N,105.45W,0.07,h0km, Error ellipse: s-maj=9.5km s-min=6.6km az=163.0

IDC 16 19:57:50.8,1.6,43.77N,105.48W,h0km,mb1 3.6/4, mb1mx3.3/40,mbtmp3.2/4,ML3.3/4,Error ellipse: s-maj=32.9km s-min=21.1km az=97.0

NEIC 16 19:57:50.0,6.43,88N,105.41W,h0km,ML3.1,Error ellipse: s-maj=10.5km s-min=7.9km az=166.0, Suspected Mining explosion

NEIC 47 km [29 miles] SSE of Gillette. ISC 16 19:57:51.3,0.9,44.00N,105.35W,0.06,h0km,n15, c=19/12,15,Wyoming

RSSD Black Hills 0.95 82 Op Pn 19 58 10.1 +0.5
LAO LASA Array 2.76 347 ePn Pn 19 58 40.5 -1.0

Table with 4 columns: Station Name, Frequency, Power, and other parameters. Includes stations like ULM, NVAR, YKA.

NIED 16:20:27.00, 37.30N, 143.60E, h8km, Mw4.2 Best double couple: M2, 20000... N1, 31, 00000... S1, 41, 00000...

IDC 16:20:27.54.9.0.5, 37.23N, 143.85E, h0km, mb4.2/2.0, mb1 4.4/2.6, ms1mx2.9/4.2, Error ellipse: s-maj=15.1km s-min=12.4km az=111.0

MOS 16:20:27.56.5.1.1, 37.24N, 143.77E, h19km, mb4.5/3.0, Error ellipse: s-maj=9.6km s-min=6.5km az=118.2

JMA 16:20:27.58.8.0.1, 37.31N, 143.62E, h49km, M4.6, ISCJB 16:20:27.58.0.1.1, 37.28N, 143.62E, h27km, 8km, mb4.3/3.9, MS3.7/1, Error ellipse: s-maj=4.4km s-min=2.6km az=155.3

NEIC 16:20:27.58.6.2.1, 37.19N, 143.80E, h25km, 14km, mb4.5/8, Error ellipse: s-maj=7.6km s-min=5.6km az=108.0

ISC 16:20:27.58.8.1.0, 37.28N, 143.76E, h27km, 6km, h15h, 0.197/176, mb4.4/4.2, 6C-7D, Off east coast of Honshu

Main station list table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, Res Error. Lists numerous stations like JIKH, JIO, JJK, etc.

Main station list table (continued) with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, Res Error. Lists stations like H11S3, BOD, ULN, etc.

Main station list table (continued) with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, Res Error. Lists stations like CLL, GOPC, PRU, etc.

comp=Z,1.7nm,0.6s,baz=221,slow=20,SNR=3.1

OBIP	Obispado Ponce	37.70	4	eP	P	20 46 29.4	+0.3
059A	Moore Haven	47.90	346	P	P	20 47 52.4	+1.1
658A	Bunnell	50.29	346	P	P	20 48 10.2	+0.8
656A	Williston	50.53	345	P	P	20 48 12.3	+1.0
657A	Interlachen	50.58	346	P	P	20 48 12.3	+0.7
557A	Orange Park	50.97	346	P	P	20 48 15.0	+0.6
556A	Lake Butler	51.11	345	P	P	20 48 16.1	+0.6
555A	McAlpin	51.36	345	P	P	20 48 18.1	+0.6
554A	Perry	51.51	344	P	P	20 48 18.9	+0.4
454A	Quitman	52.09	344	P	P	20 48 23.4	+0.5
357A	Townsend	52.27	347	P	P	20 48 24.9	+0.8
453A	Whigham	52.40	344	P	P	20 48 25.7	+0.6
355A	Pearson	52.50	345	P	P	20 48 26.6	+0.7
TIGA	Tifton	52.77	345	P	P	20 48 28.4	+0.6
353A	Camilla	52.85	344	P	P	20 48 28.9	+0.5
256A	Glennville	52.89	347	P	P	20 48 29.2	+0.5
254A	Abbeville	53.18	345	P	P	20 48 31.1	+0.3
253A	Americus	53.50	344	P	P	20 48 33.1	-0.1
252A	Lumpkin	53.60	344	P	P	20 48 33.7	-0.2
155A	Kite	53.64	346	P	P	20 48 34.4	+0.2
152A	Waverly Hall	54.23	344	P	P	20 48 37.9	-0.6
249A	Camden	54.26	341	P	P	20 48 38.2	-0.5
151A	Opelika	54.26	343	P	P	20 48 38.4	-0.3
Z54A	Sparta	54.31	346	P	P	20 48 38.9	-0.2
346A	Big Creek Wild	54.47	339	P	P	20 48 39.7	-0.5
150A	Eclectic	54.52	343	P	P	20 48 40.4	-0.2
149A	Jones	54.74	342	P	P	20 48 41.5	-0.7
247A	Quitman	54.79	340	P	P	20 48 41.8	-0.8
Y54A	Tignall	54.88	346	P	P	20 48 43.0	-0.2
Z50A	Ashland	55.11	343	eP	P	20 48 43.9	-0.9
Z50A	Ashland	55.11	343	P	P	20 48 44.4	-0.5
Y52A	Liburn	55.20	345	P	P	20 48 45.4	-0.1
LRAL	Lakeview Retre	55.21	342	P	P	20 48 45.1	-0.4
Z49A	Columbiana	55.22	342	P	P	20 48 45.2	-0.5
Y51A	Rockmart	55.49	344	P	P	20 48 47.1	-0.5
X53A	Estanolee	55.63	346	P	P	20 48 48.3	-0.2
Y50A	Piedmont	55.66	343	P	P	20 48 48.7	0.0
Z47A	Carrollton	55.68	341	P	P	20 48 48.5	-0.4
Z48A	Northport	55.69	341	P	P	20 48 48.3	-0.6
Y49A	Blount Mountai	55.81	343	P	P	20 48 49.6	-0.2
KM5C	Kings Mountain	55.83	348	P	P	20 48 50.2	+0.2
X50B	Fort Payne	56.17	344	P	P	20 48 52.0	-0.5
W53A	Cullowhee	56.24	346	P	P	20 48 52.9	-0.1
Y47A	UCPARC, Winfie	56.27	341	P	P	20 48 52.8	-0.3
X49A	Woodville	56.40	343	P	P	20 48 53.4	-0.6
X48A	Hartselle	56.55	342	P	P	20 48 54.5	-0.5
Y46A	Houston	56.56	340	P	P	20 48 54.8	-0.4
W51A	Cleveland	56.61	345	P	P	20 48 55.4	-0.1
V53A	Saluda	56.65	347	P	P	20 48 56.0	+0.2
Y45A	Yeager Farm, C	56.76	340	P	P	20 48 56.2	-0.4
W50A	Signal Mountai	56.78	344	P	P	20 48 56.6	-0.2
X47A	Russelville	56.84	342	P	P	20 48 56.8	-0.4
W49A	Belvidere	56.96	343	P	P	20 48 57.7	-0.2
V52A	Sevierville	56.98	346	P	P	20 48 57.9	-0.2
X46A	Booneville	57.10	341	P	P	20 48 58.5	-0.4
V51A	Loudon	57.12	345	P	P	20 48 59.0	-0.1
W48A	Pulaski	57.16	343	P	P	20 48 59.1	-0.3
V50A	Pikeville	57.18	345	P	P	20 48 59.4	-0.1
X45A	UM Field Stati	57.23	340	P	P	20 48 59.3	-0.6
U53A	Fall Branch	57.26	347	P	P	20 48 59.7	-0.4
OXF	Oxford	57.31	340	P	P	20 48 59.9	-0.6
PLAL	Pickwick Lake	57.34	342	eP	P	20 48 59.8	-0.9
W47A	Westpoint	57.45	342	P	P	20 49 01.1	-0.4
U52A	Thorn Hill	57.46	347	P	P	20 49 01.0	-0.5
V49A	McMinnville	57.47	344	P	P	20 49 01.3	-0.3
U51A	La Follette	57.59	346	P	P	20 49 02.2	-0.3
V48A	Smith Brothers	57.69	343	eP	P	20 49 02.5	-0.6
V48A	Smith Brothers	57.69	343	P	P	20 49 02.8	-0.3
U50A	Jamestown	57.82	345	P	P	20 49 04.0	0.0
V47A	Nunnely	57.97	343	P	P	20 49 04.1	-0.9
V46A	Holladay	58.12	342	P	P	20 49 05.0	-1.0
U49A	Red Boiling Sp	58.15	344	P	P	20 49 05.7	-0.5
WVT	Waverly	58.34	342	eP	P	20 49 07.0	-0.6
WVT	Waverly	58.34	342	P	P	20 49 06.7	-0.9
U48A	Cassie Pea, Po	58.34	344	P	P	20 49 07.2	-0.4
T50A	Nancy	58.40	345	P	P	20 49 07.5	-0.5
U47A	Clarksville	58.48	343	P	P	20 49 08.0	-0.6
S52A	Salysersville	58.64	347	P	P	20 49 09.4	-0.3
T49A	Edmonton	58.65	345	eP	P	20 49 09.4	-0.4
T49A	Edmonton	58.65	345	P	P	20 49 09.2	-0.6
U46A	Springville	58.65	342	P	P	20 49 09.2	-0.6
MIAR	Mount Ida	58.79	337	eP	P	20 49 10.6	-0.2
MIAR	Mount Ida	58.79	337	P	P	20 49 10.8	0.0
U45A	Rockin P Farm,	58.81	342	P	P	20 49 10.4	-0.5

T48A	Bowling Green	58.87	344	P	P	20 49 11.0	-0.3
W41B	Gary Mavity, V	58.87	338	P	P	20 49 10.8	-0.5
S50A	Richmond	58.92	346	P	P	20 49 11.3	-0.4
T47A	Sharon Grove	58.94	343	eP	P	20 49 11.7	-0.1
T47A	Sharon Grove	58.94	343	P	P	20 49 11.3	-0.5
TXAR	Lajitas Arroyo	59.06	325	P	P	20 49 12.7	-0.2
V42A	Cord	59.15	339	P	P	20 49 12.7	-0.6
T46A	Princeton	59.21	343	P	P	20 49 13.2	-0.4
S49A	Springfield	59.23	345	P	P	20 49 13.0	-0.8
U44A	Portageville	59.24	341	P	P	20 49 13.1	-0.7
S48A	Wiedeman Farm,	59.30	345	P	P	20 49 13.5	-0.7
RS1A	Hillsboro	59.34	347	P	P	20 49 14.9	+0.4
V41A	Mountainview	59.39	338	P	P	20 49 14.6	-0.3
W39A	Magazine	59.45	337	P	P	20 49 15.8	+0.5
S47A	Hartford	59.45	344	P	P	20 49 14.8	-0.5
R50A	Paris	59.48	346	P	P	20 49 15.2	-0.3
U42A	Revdenden	59.59	339	P	P	20 49 16.0	-0.2
Q52A	Bidwell	59.71	348	P	P	20 49 17.4	+0.4
PBMO	Poplar Bluff	59.72	340	eP	P	20 49 16.9	-0.3
T44A	Benton	59.74	341	P	P	20 49 17.1	-0.2
S46A	Dotson Farm	59.76	343	P	P	20 49 17.4	0.0
U41A	Viola	59.81	339	P	P	20 49 17.1	-0.7
P55A	Reedsville	59.82	351	P	P	20 49 18.4	+0.6
WCI	Wyandotte Cave	59.90	345	P	P	20 49 17.8	-0.6
Q50A	Georgetown	59.95	347	P	P	20 49 18.5	-0.2
T43A	Greenville	59.96	341	P	P	20 49 18.3	-0.5
MCWV	Mont Chateau	59.97	351	P	P	20 49 19.3	+0.5
Q51A	Peebles	59.99	347	P	P	20 49 19.1	+0.1
S45A	Carrier Mills	60.00	342	P	P	20 49 18.5	-0.5
R47A	Worley Knot Far	60.02	344	P	P	20 49 18.8	-0.4
P53A	Whipple	60.06	349	P	P	20 49 19.7	+0.3
U40A	Yellville	60.15	338	P	P	20 49 19.9	-0.2
T42A	Van Buren	60.16	340	eP	P	20 49 19.0	-1.1
T42A	Van Buren	60.16	340	P	P	20 49 19.5	-0.7
S44A	Carbondale	60.21	342	P	P	20 49 20.1	-0.4
Q49A	Aurora	60.30	346	P	P	20 49 20.6	-0.5
P52A	Corning	60.34	349	P	P	20 49 21.4	+0.1
S43A	Fulton Ridge,	60.34	341	P	P	20 49 21.0	-0.4
O56A	Knob Stat	60.39	352	P	P	20 49 22.0	+0.4
T41A	Mountain View	60.40	339	P	P	20 49 21.4	-0.4
Q48A	North Vernon	60.43	345	P	P	20 49 21.6	-0.3
O55A	Ligonier	60.43	351	P	P	20 49 22.6	+0.7
R45A	Skylar, Fairir	60.49	343	P	P	20 49 21.7	-0.6
O54A	Avella	60.57	350	P	P	20 49 23.3	+0.4
Q47A	Bedord North L	60.60	345	P	P	20 49 22.7	-0.4
P50A	Jamestown	60.64	347	P	P	20 49 23.2	-0.1
R44A	Waltonville	60.67	342	P	P	20 49 23.1	-0.4
S42A	Caledonia	60.75	341	P	P	20 49 23.7	-0.5
O52A	Adamsville	60.75	349	P	P	20 49 24.1	0.0
P49A	Miami Univ. Ec	60.77	346	P	P	20 49 23.8	-0.5
O53A	New Philadelph	60.77	350	P	P	20 49 24.4	+0.1
FVM	French Village	60.83	341	eP	P	20 49 24.1	-0.6
P48A	Milroy	60.86	346	P	P	20 49 23.9	-1.0
O51A	Pataskala	60.92	348	P	P	20 49 25.2	-0.1
N55A	Marion Center	60.95	352	P	P	20 49 26.2	+0.8
R43A	Red Bud	60.95	341	P	P	20 49 24.9	-0.6
Q45A	Warren Harvey,	61.02	343	P	P	20 49 25.4	-0.5
ACSO	Alum Creek Sta	61.08	348	eP	P	20 49 26.6	+0.3
ACSO	Alum Creek Sta	61.08	348	P	P	20 49 26.6	+0.3
P47A	Martinsville	61.09	345	P	P	20 49 25.8	-0.6
O50A	Cable	61.12	347	P	P	20 49 26.5	-0.1
CCM	Cathedral Cave	61.15	340	P	P	20 49 26.5	-0.3
R42A	Luebbering	61.21	341	P	P	20 49 27.0	-0.2
N53A	Lisbon	61.25	350	P	P	20 49 28.0	+0.5
Q44A	Meyer Farm, Va	61.26	342	P	P	20 49 27.2	-0.4
N54A	Moraine State	61.27	351	P	P	20 49 28.2	+0.6
O49A	Covington	61.31	347	P	P	20 49 27.8	-0.1
R41A	Rosedale	61.41	340	P	P	20 49 28.2	-0.4
P46A	Rosedale	61.44	344	P	P	20 49 28.4	-0.4
P45A	Graceand, Par	61.50	344	P	P	20 49 28.0	-1.1
O48A	Farmland	61.56	346	P	P	20 49 29.1	-0.4
N51A	Ashland	61.63	349	P	P	20 49 29.7	-0.3
N50A	Nevada	61.63	348	P	P	20 49 29.6	-0.5
P44A	Sand Creek, Wi	61.68	343	P	P	20 49 29.7	-0.6
Q42A	Golden Eagle	61.71	341	P	P	20 49 30.2	-0.4
M54A	Oil Creek Stat	61.76	351	P	P	20 49 31.3	+0.4
O47A	Sheridan	61.77	345	P	P	20 49 30.2	-0.8
MNTX	Cornudas Mount	61.82	325	P	P	20 49 30.6	-1.0
Q41A	Truxton	61.97	341	P	P	20 49 31.7	-0.6
N49A	Columbus Grove	61.98	347	P	P	20 49 32.0	-0.4
M51A	Elyria	61.99	349	P	P	20 49 32.2	-0.2
BINY	Binghamton	62.00	354	P	P	20 49 32.5	0.0
HRV	Adam Dzewonsk	62.03	358	P	P	20 49 32.6	-0.1
P43A	Skaggs, Pawnee	62.09	342	P	P	20 49 32.3	-0.8

N48A	Decatur	62.1
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CMAR	Chiang Mai Arr	23.02 159	P	P	22 57 49.5	-0.5
AKTO	Aktubynsk	24.66 305	P	P	22 58 05.3	-0.3
AKTO	comp=E,1.2nm,0.6s,baz=120,slow=7.7,SNR=5.2		LR		23 07 54.3	
NOA	NORSAR Array B	50.70 322	P	P	23 01 44.0	-0.3
YKA	Yellowknife Arr	75.60 12	P	P	23 04 29.6	+0.1
TORD	Torodi Arr. Bea	80.57 279	P	P	23 04 58.4	+0.6

ISCJB 16 22:54:17.3:13.0,23.58N:179.79E,h406km,156km, mb2.8/3,mb1 3.2/3,mb1mx2.9/32,mbtmp3.6/3, Error ellipse: s-maj=246.4km s-min=44.4km az=170.0, South of Fiji Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
ASAR	Allice Springs	41.90 260	Op	ISC	h m s ISC	
WRA	Warrungunga Arr	42.24 266	P	P	23 01 33.4	+0.4
TXAR	Lajitas Array	90.42 58	P	P	23 06 34.2	0.0
BRTR	Kekris Array B	147.23 307	PKPbc	PKPbc	23 13 13.2	-0.8

ISCJB 16 22:55:32.8:0.6,35.15N:0.09:138.80E:0.10, h199km,5km,mb0.3/0, Error ellipse: s-maj=16.6km s-min=10.7km az=35.9

ISCJB 16 22:55:32.2:3.3,34.69N:137.84E,h146km,56km,mb0.3/0,mb1 3.1/3,mb1mx2.8/50,mbtmp3.4/3, Error ellipse: s-maj=117.0km s-min=24.4km az=63.0

JMA 16 22:55:33.7:0.2,35.15N:138.78E,h195km,2km,3.1

ISC 16 22:55:33.9:1.0,35.17N:138.77E:0.07,h195km,7km,n20,c048/24,mb3.1/3,Eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
JOD2	Odawara 2	0.28 69	Op	ISC	h m s ISC	
JY2	Shimob	0.38 331	P	Pn	22 56 00.0	0.0
JM2	Oshima 3	0.70 129	P	Pn	22 56 01.2	-0.2
JNY	Yasuoku	0.77 285	P	Pn	22 56 01.9	+0.2
JHU	Hanno	0.80 31	S	Pn	22 56 01.9	+0.2
JRY	Ryogamisun	0.86 7	P	Pn	22 56 02.7	+0.5
HMMJ	Hamamatsu 2	0.91 251	P	Pn	22 56 02.2	-0.3
JAO	Obara	1.24 275	P	Pn	22 56 05.0	+0.1
BS04	Roso 4	1.30 97	P	Pn	22 56 05.8	+0.6
JAG	Ashikaga	1.38 24	P	Pn	22 56 05.6	-0.4
IMJAR	Matsushiro Arr	1.45 342	P	Pn	22 56 05.6	-1.1
MAT	Matsushiro	1.45 342	S	Pn	22 56 06.5	-0.1
MAT	Matsushiro	1.45 342	S	Pn	22 56 32.8	+0.5
BS03	Boso 3	1.48 104	P	Pn	22 56 06.5	-0.1
BS03	Boso 3	1.48 104	S	Pn	22 56 06.7	+0.1
JYT	Yasato	1.57 47	P	Pn	22 56 07.5	-0.2
BS01	Boso 1	1.89 105	P	Pn	22 56 10.1	-0.1
JHO	Hitachi	2.05 45	P	Pn	22 56 12.3	-0.2
ZALV	Zalesovo Beam	41.63 314	P	Pn	23 03 03.9	+1.2
MKAR	Makanchi Array	43.33 303	P	P	23 03 16.3	-0.2
WRA	Warrungunga Arr	54.97 185	P	P	23 04 44.3	-0.6

ISCJB 16 22:58:53.7:0.7,6.85N:0.03:73.16W:0.04,h149km,5km, mb2.9/1, Error ellipse: s-maj=6.2km s-min=4.1km az=4.5

R SNC 16 22:58:55.0:1.1,6.82N:73.16W,h144km,4km,ML3.3, Mw3.5

ISC 16 22:58:56.1:6.6,6.76N:75.60W,h135km,82km,mb2.8/1,mb1 3.2/2,mb1mx2.8/35,mbtmp3.4/2, Error ellipse: s-maj=1.95,6km s-min=34.1km az=92.0

ISC 16 22:58:53.2:1.0,6.84N:0.03:73.14W:0.05,h153km,6km,n27,c080/51,5C-5D,Northern Colombia

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
BARC	Barichara	0.25 191	Op	ISC	h m s ISC	
BARC	Barichara	0.25 191	i	ISC	22 59 14.4	+0.1
BARC	Barichara	0.25 191	eS	ISC	22 59 29.1	-1.3
GIRC	Giron, Santand	0.25 347	i	Pn	22 59 31.2	-0.4
GIRC	Giron, Santand	0.25 347	i	Pn	22 59 29.8	-0.4
GIRC	Giron, Santand	0.25 347	i	Pn	22 59 31.8	-0.4
BRRR	Barranca, Sauc	0.63 295	i	Pn	22 59 16.5	+0.9
BRRR	Barranca, Sauc	0.63 295	i	Pn	22 59 33.1	+0.4
BRRR	Barranca, Sauc	0.63 295	i	Pn	22 59 38.2	-0.1
PAMC	Pamplona, Colo	0.66 41	eP	Pn	22 59 17.4	+1.1
PAMC	Pamplona, Colo	0.66 41	eP	Pn	22 59 34.5	+0.4
PAMC	Pamplona, Colo	0.66 41	eP	Pn	22 59 36.8	-0.1
RUSC	La Rusia	0.94 177	i	Pn	22 59 18.2	-0.2
RUSC	La Rusia	0.94 177	i	Pn	22 59 36.9	-1.0
RUSC	La Rusia	0.94 177	i	Pn	22 59 38.4	-0.1
PTBC	PUERTO BERRIO,	1.34 257	i	Pn	22 59 20.9	-0.5
PTBC	PUERTO BERRIO,	1.34 257	i	Pn	22 59 42.2	-0.8
PTBC	PUERTO BERRIO,	1.34 257	i	Pn	22 59 45.0	-0.1
TAMC	Tame, Arauca	1.40 107	i	Pn	22 59 22.7	+0.7
TAMC	Tame, Arauca	1.40 107	i	Pn	22 59 44.2	+0.2
OCAC	Ocana	1.41 353	i	Pn	22 59 22.9	+0.7
OCAC	Ocana	1.41 353	i	Pn	22 59 44.7	+0.2
OCAC	Ocana	1.41 353	i	Pn	22 59 52.1	-0.1
ZARC	Zaragoza, Cauc	1.83 291	eP	Pn	22 59 27.4	+0.8
ZARC	Zaragoza, Cauc	1.83 291	eP	Pn	22 59 52.3	+0.1
ZARC	Zaragoza, Cauc	1.83 291	eP	Pn	23 00 00.0	0.0
CTAB	Cerro Tablazo,	2.10 210	eP	Pn	22 59 31.8	+1.6
CTAB	Cerro Tablazo,	2.10 210	eP	Pn	22 59 59.1	+0.5
SMLC	San Mart'n de	2.16 335	eP	Pn	22 59 31.1	+0.6
SMLC	San Mart'n de	2.16 335	eP	Pn	23 00 05.5	+1.4
SMLC	San Mart'n de	2.16 335	eP	Pn	23 00 07.3	-0.1
CHIC	Chingaza	2.27 195	eP	Pn	22 59 32.4	+0.3
CHIC	Chingaza	2.27 195	eP	Pn	23 00 01.7	-0.4
CHIC	Chingaza	2.27 195	eP	Pn	23 00 09.6	-0.1
ROSC	El Rosal	2.31 211	P	Pn	22 59 34.3	+1.7
ROSC	El Rosal	2.31 211	P	Pn	23 00 04.1	+1.2
ROSC	El Rosal	2.31 211	P	Pn	22 59 34.0	+1.4
ROSC	El Rosal	2.31 211	eS	Pn	23 00 02.9	+0.1
ROSC	El Rosal	2.31 211	eS	Pn	23 00 10.1	-0.1
HEL	Santa Helena	2.46 255	eP	Pn	22 59 35.0	+0.6
HEL	Santa Helena	2.46 255	eP	Pn	23 00 05.5	-0.5
HEL	Santa Helena	2.46 255	eP	Pn	23 00 05.5	-0.5
HEL	Santa Helena	2.46 255	eP	Pn	23 00 12.9	-0.1
EVER	Cruz Verde, Cu	2.48 202	eP	Pn	22 59 35.7	+1.0
UREC	San Jos' de U	2.54 291	eP	Pn	22 59 35.7	+0.6
UREC	San Jos' de U	2.54 291	eP	Pn	23 00 06.7	-0.6
UREC	San Jos' de U	2.54 291	eP	Pn	23 00 19.0	-0.1
VILC	Villavicencio,	2.76 192	eP	Pn	22 59 37.8	-1.1
VILC	Villavicencio,	2.76 192	eP	Pn	23 00 12.1	-0.4
VILC	Villavicencio,	2.76 192	eP	Pn	23 00 22.8	-0.1
RREF	El Recreo	2.92 229	i	Pn	22 59 41.0	+0.7
RREF	El Recreo	2.92 229	i	Pn	23 00 16.7	0.0
RREF	El Recreo	2.92 229	i	Pn	23 00 25.6	-0.1
CODC	Agust'n Codaz	3.09 354	i	Pn	22 59 42.2	+0.4
CODC	Agust'n Codaz	3.09 354	i	Pn	23 00 19.9	+0.3
CODC	Agust'n Codaz	3.09 354	i	Pn	23 00 25.4	-0.1
TOLC	Tolima	3.12 224	eP	Pn	22 59 43.7	+1.1
TOLC	Tolima	3.12 224	eP	Pn	23 00 21.6	+0.9
MOTC	Monteria, Cord	3.16 308	eP	Pn	22 59 42.2	-0.5

MOTC	Santa Ana	3.24 224	eS	Pn	23 00 20.9	-0.3
ANIL	Santa Ana	3.24 224	eP	Pn	22 59 45.2	+1.1
ANIL	Santa Ana	3.24 224	eP	Pn	23 00 24.2	+0.8
ANIL	Santa Ana	3.24 224	eP	Pn	23 00 34.4	-0.1
PRAC	Prado	3.56 209	eP	Pn	22 59 48.3	+0.4
PRAC	Prado	3.56 209	eP	Pn	23 00 30.3	0.0
PRAC	Prado	3.56 209	eP	Pn	23 00 37.5	-0.1
YKA	Yellowknife Ar	63.24 340	P	Pn	23 09 04.9	-0.1
ASAR	Alice Springs	149.11 234	PKPbc	PKPbc	23 18 23.1	-1.2
WRA	Warrungunga Arr	150.321 241	PKPbc	PKPbc	23 18 26.6	-0.8

ISCJB 16 22:59:32.4:0.4,40.85N:0.02:30.99E:0.03,h9km,3km, Error ellipse: s-maj=4.1km s-min=3.1km az=34.3

DDA 16 22:59:32.1,40.81N:31.03E,h7km,ML3.5

ISC 16 22:59:32.1,40.82N:30.98E,h6km,ML3.3/32

ISC 16 22:59:32.5:0.9,40.82N:0.02:31.02E:0.02,h12km,7km,n62,c193/69,4C-3D,Turkey

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SAHE	Sakarya_HENDEK	0.13 284	i	Pn	22 59 35.9	+0.2
SAHE	Sakarya_HENDEK	0.13 284	i	Pn	22 59 38.0	0.0
BTAS	Taskesti	0.25 183	i	Pn	22 59 37.5	-0.2
BTAS	Taskesti	0.25 183	i	Pn	22 59 40.6	-0.7
MDUB	Mudrunu	0.38 158	PG	Pn	22 59 40.9	+0.2
MDUB	Mudrunu	0.38 158	PG	Pn	22 59 45.6	+0.5
SAUV	Serdivan-Sakar	0.53 261	PG	Pn	22 59 42.6	-0.3
SAUV	Serdivan-Sakar	0.53 261	PG	Pn	22 59 49.9	0.0
GULT	Gulveren	0.54 225	PG	Pn	22 59 43.2	0.0
KDZE	Karadeniz Ereo	0.59 33	SG	Pn	22 59 50.7	+0.3
GEYV	Sakarya_Geyve	0.64 239	i	Pn	22 59 44.9	-0.1
GEYV	Sakarya_Geyve	0.64 239	i	Pn	22 59 52.7	-0.7
KAND	Kocaeli-Kandir	0.68 294	i	Pn	22 59 45.7	0.0
KAND	Kocaeli-Kandir	0.68 294	i	Pn	22 59 54.6	0.0
ECAM	Yenicaga	0.80 90	i	Pn	22 59 51.8	-0.2
BORA	Eskisehir	1.03 205	PG	Pn	22 59 51.8	-0.6
BORA	Eskisehir	1.03 205	PG	Pn	22 59 51.6	-0.7
CAVI	Kavayusko	1.09 236	PG	Pn	22 59 53.2	-0.1
SILT	Sile	1.09 288	PG	Pn	22 59 52.5	-0.8
CMRD	Camlidere-ANKA	1.16 106	i	Pn	22 59 54.4	-0.1
BTIN	Bart'n	1.29 246	i	Pn	22 59 52.9	0.6
IZI	Yznik	1.27 248	PN	Pn	22 59 56.1	-0.1
YLV	Yalvac	1.27 259	PN	Pn	22 59 55.8	-0.4
KBUK	KARABUK-Merkez	1.29 71	i	Pn	22 59 56.4	0.0
ESKT	Eskisehir	1.31 186	PN	Pn	22 59 57.3	-0.3
SAFT	Safirbolu	1.33 71	PN	Pn	22 59 58.1	0.0
SVRH	Sivrihisar-ESK	1.43 146	PN	Pn	22 59 59.2	-0.1
AUSV	SIVRIHISAR	1.44 164	PN	Pn	22 59 59.2	-0.1
GEMT	Gemlik	1.44 255	PN	Pn	22 59 58.9	-0.4
KAVV	Kandiili-Istan	1.50 280	PN	Pn	22 59 59.4	+0.2
ISK	Istanbul-Kandi	1.50 280	PN	Pn	22 59 59.7	-0.6
KLVT	Kilyos	1.55 287	PN	Pn	22 59 00.4	+0.5
L0D	Lodumlu	1.63 214	PN	Pn	23 00 02.2	-0.3
SBTS	Esenyuk-Cinarc	1.63 264	PN	Pn	23 00 02.2	-0.3
KURC	Kurucelis-Bar	1.66 51	PN	Pn	23 00 02.6	-0.3
AMNY	Armutlu	1.66 262	PN	Pn	23 00 02.2	-0.8
RDMT	Redmet-Bursa	1.69 255	PN	Pn	23 00 02.8	-0.6
EGKT	Egirdir	1.73 293	PN	Pn	23 00 02.9	-0.7
ORLT	Orhaneli	1.79 245	PN	Pn	23 00 04.2	-1.1
CTKS	Kestanekli-??a	1.94 283	PN	Pn	23 00 06.4	+1.1
CANT	Cankiri	1.99 95	PN	Pn	23 00 07.7	-1.0
KIZT	Kizilcal	2.05 161	PN	Pn	23 00 07.6	+0.7
AFSR	AFar-Bala (A)	2.05 130	PN	Pn	23 00 09.1	-1.3
KTU	Kutulu	2.05 130	PN	Pn	23 00 16.3	0.0
CTYL	Yalilok Yolu	2.16 288	PN	Pn	23 00 09.2	+0.9
GEDZ	Gezici	2.16 215	PN	Pn	23 00 09.3	+0.9
SHAP	Shaphane-Kutahy	2.27 218	PN	Pn	23 00 11.1	+1.3
SHUT	Suhut-Afyon	2.29 189	PN	Pn	23 00 11.8	+1.5
KULU	Kulu	2.32 219	PN	Pn	23 00 13.6	0.0
EDNC	Erdinc	2.45 260	PN	Pn	23 00 13.4	+1.2
CRLT	Corlu	2.50 278	PN	Pn	23 00 14.2	+1.2
BALB	Balikesir	2.67 245	PN	Pn	23 00 16.8	+1.4
LADM	Ladik-KONYA	2.82 158	PN	Pn	23 00 19.2	+1.7
COAK	Corum	2.83 102	PN	Pn	23 00 19.5	+1.9
KULA	Kula-Manisa	2.93 219	PN	Pn	23 00 19.6	+0.5
MFTR	Murfatlar	3.86 331	i	Pn	23 00 33.4	+1.7
MFTR	Murfatlar	3.86 331	i	Pn	23 01 16.4	-0.6
CVDA						

GAOI	comp=Z,43nm,1.0s	40.49 277	eP	P	00 36 29.5	-1.0
GTA			pP	P	00 36 41.9	-3.2
GTA			sP	P	00 36 46.8	-5.0
GTA			PcP	P	00 38 34.0	+1.9
GTA			PcS	P	00 42 24.4	+1.5
GTA			S	P	00 42 30.6	-4.7
GTA			sS	P	00 42 54.6	-5.4
GTA			pmax	pmax		
GTA	comp=Z,240nm,8.6s		LR	LR		
GTA	comp=Z,2um,15.8s		LR	LR		
GTA	comp=Z,4um,15.8s		LR	LR		
GTA	comp=Z,7um,17.5s		LR	LR		
DLBC	Dease Lake	42.17 49	LR	LR	00 56 38.1	
ZALV	comp=Z,1um,19.4s,baz=306,slow=39		P	P	00 36 45.2	-1.7
ZAA1	Zalesovo Array	42.54 304	eP	P	00 38 34.0	0.0
ZAA0	Zalesovo Array	42.54 304	eP	P	00 36 46.1	-0.8
ZAA0	comp=Z,7.1nm,0.8s		ePcP	PcP	00 38 40.3	+1.9
ZAA0			LR	LR		
ZALV	Zalesovo Beam	42.54 304	P	P	00 36 45.2	-1.7
ZALV	comp=Z,2.6nm,0.4s,baz=64,slow=7.6,SNR=21		PcP	PcP	00 38 38.4	0.0
ZALV			LR	LR		
ZALV	comp=Z,14nm,0.9s,baz=61,slow=2.4,SNR=9.5		LR	LR	00 55 19.8	
ZALV	comp=Z,1um,19.5s,baz=70,slow=37		LR	LR		
ZALV	Zalesovo Beam	42.54 304	eP	P	00 36 45.4	-1.5
ZALV	Zalesovo Beam	42.54 304	eP	P	00 36 45.4	-1.5
ZALV	Guangzhou	42.60 247	P	P	00 37 01.5	-5.0
GZH			PP	PP	00 38 32.1	-6.0
GZH			PcS	PcS	00 42 31.4	0.0
GZH			S	S	00 43 00.0	-6.4
GZH			SS	SS	00 46 09.0	-9.1
GZH	comp=N,1um,17.6s		LR	LR		
GDZ	comp=E,880nm,17.2s	42.95 297	eP	P	00 36 50.0	-0.5
GDZ	Jazzator, Alta		pmax	pmax		
GDZ	comp=Z,7.0nm,1.5s		MLR	MLR		
CD2	comp=Z,5um,19.0s	43.10 264	P	P	00 36 49.9	-1.9
CD2	Chengdu		pP	pP	00 37 01.5	-5.0
CD2			PP	PP	00 38 30.0	-2.6
CD2			S	S	00 43 12.9	-0.9
CD2			SS	SS	00 46 26.8	-0.9
CD2	comp=Z,20nm,0.5s		pmax	pmax		
CD2	comp=Z,390nm,6.7s		LR	LR		
CD2	comp=Z,2um,19.0s		LR	LR		
CD2	comp=Z,3um,21.4s		LR	LR		
GYA	Guiyang	44.27 257	iP	P	00 37 01.8	+0.5
GYA			pP	pP	00 37 13.5	-2.6
GYA			sP	sP	00 37 18.4	-4.3
GYA			PP	PP	00 43 32.9	+1.2
GYA			sS	sS	00 43 51.8	-4.2
GYA			SS	SS	00 46 43.3	-7.6
GYA	comp=Z,30nm,1.0s		pmax	pmax		
GYA	comp=Z,220nm,8.0s		LR	LR		
GYA	comp=Z,1um,17.6s		LR	LR		
GYA	comp=Z,1um,18.8s		LR	LR		
GYA	comp=Z,900nm,18.3s		LR	LR		
WMQ	Urumqi	45.73 290	eP	P	00 37 14.8	+2.1
WMQ			pP	pP	00 37 26.0	-1.5
WMQ			PcP	PcP	00 38 51.8	+2.2
WMQ			PP	PP	00 39 01.5	+1.1
WMQ			S	S	00 43 46.1	-5.6
WMQ	comp=Z,26nm,0.9s		pmax	pmax		
WMQ	comp=Z,490nm,4.9s		LR	LR		
WMQ	comp=Z,4um,21.5s		LR	LR		
WMQ	comp=Z,3um,19.9s		LR	LR		
WMQ	comp=Z,4um,21.5s		LR	LR		
BBB	Bella Bella	45.82 56	LR	LR	00 55 03.1	
BBB	comp=Z,612nm,20.9s,baz=300,slow=34		LR	LR		
MK31	Makanchi Array	47.37 296	eP	P	00 37 24.2	-1.2
MK31	Makanchi Array	47.37 296	eP	P	00 37 24.2	-1.2
MK32	Makanchi Array	47.37 296	eP	P	00 37 23.4	-2.0
MK32	Makanchi Array	47.37 296	eP	P	00 37 23.4	-2.0
MKAR	Makanchi Array	47.37 296	eP	P	00 37 23.4	-2.0
MKAR	comp=Z,7.6nm,0.7s,baz=61,slow=6.7,SNR=39		PcP	PcP	00 38 54.2	-1.1
MKAR			LR	LR		
MKAR	comp=Z,5.8nm,0.8s,baz=35,slow=4.4,SNR=4.7		LR	LR	00 58 41.0	
MKAR	Makanchi Array	47.37 296	eP	P	00 37 24.2	-1.2
MKAR	comp=Z,76nm,0.9s		LR	LR		
MKAR	comp=Z,2um,20.0s		LR	LR		
MKAR	Makanchi Array	47.37 296	iP	P	00 37 24.0	-1.4
MKAR			pmax	pmax		
MK01	comp=Z,8.0nm,0.7s	47.38 296	eP	P	00 37 23.4	-2.1
YKA	Yellowknife Ar	47.41 39	P	P	00 37 25.8	+0.4
YKA	comp=Z,24nm,0.8s,baz=300,slow=7.3,SNR=138		pP	pP	00 37 39.0	-1.3
YKA	comp=Z,24nm,0.9s,baz=295,slow=7.5,SNR=19		PcP	PcP	00 38 55.9	+0.9
YKB5	Yellowknife Ar	47.41 39	eP	P	00 37 24.9	-0.5
YKB5			eP	P	00 37 39.0	-1.3
KURK	Kurchatov	47.41 303	eP	P	00 38 55.9	+0.9
KURK	comp=Z,48nm,0.9s		ePcP	PcP	00 37 24.2	-1.3
KURK			LR	LR	00 38 55.3	0.0
KURK	comp=Z,2um,18.0s		LR	LR		
KURK	Kurchatov	47.41 303	P	P	00 37 24.6	-1.0
KURK	SNR=14		iP	P	00 37 23.4	-2.2
KURK	comp=Z,44nm,0.8s		pmax	pmax		
RES	comp=Z,2um,17.0s	47.42 20	LR	LR	00 59 11.0	
RES	Resolve Bay		LR	LR		
RES	comp=Z,1um,20.6s,baz=318,slow=39		P	P	00 37 25.5	+0.1
RES	Resolve Bay	47.42 20	eP	P		
RES	comp=Z,26nm,0.8s		LR	LR		
RES	comp=Z,2um,21.0s	47.42 20	eP	P	00 37 25.5	+0.1
RES	Resolve Bay		pmax	pmax		
RES	comp=Z,26nm,0.8s		MLR	MLR		
KURBB	comp=Z,2um,21.0s	47.51 302	P	P	00 37 24.7	-1.7
KURBB	Kurchatov Ar		PcP	PcP	00 38 55.3	-0.3
MAKZ	comp=Z,21nm,0.9s,baz=63,slow=3.1,SNR=14		P	P	00 37 25.6	-1.1
MAKZ	Makanchi	47.55 296	eP	P		
MAKZ	comp=Z,8um,20.0s		LR	LR		
MAKZ	Makanchi	47.55 296	eP	P	00 37 25.6	-1.1
MAKZ	comp=Z,8.0nm,0.8s		pmax	pmax		
MAKZ	comp=Z,8um,20.0s		MLR	MLR		
KMI	Kunming	47.71 259	P	P	00 37 27.6	-0.9
KMI			pP	pP	00 37 39.8	-3.6
KMI			sP	sP	00 47 44.6	-5.4
KMI			PP	PP	00 39 21.0	+0.5
KMI			S	S	00 44 16.3	-4.3
KMI			SS	SS	00 44 38.5	-7.3
KMI			SS	SS	00 47 44.1	-5.2

KMI	comp=Z,7.0nm,0.5s		pmax	pmax		
KMI	comp=Z,270nm,9.1s		LR	LR		
KMI	comp=Z,2um,18.6s		LR	LR		
KMI	comp=Z,510nm,17.0s		LR	LR		
KMI	comp=Z,1um,23.6s		LR	LR		
QIZ	Qiongzong	47.80 247	P	P	00 37 30.3	+1.3
QIZ			PP	PP	00 39 21.9	+0.8
QIZ			S	S	00 44 21.6	+0.1
QIZ	comp=Z,20nm,1.2s		pmax	pmax		
QIZ	comp=Z,360nm,4.7s		LR	LR		
QIZ	comp=Z,1um,19.8s		LR	LR		
QIZ	comp=Z,680nm,17.5s		LR	LR		
QIZ	comp=Z,1um,18.8s		LR	LR		
QIZ	Qiongzong	47.80 247	PFAKE	LR	00 37 40.0	+11
QIZ			LR	LR		
AIN	Ainahu	48.92 110	PFAKE	LR	00 37 50.0	+12
AIN			LR	LR		
SBLHI	Steaming Bluff	49.00 110	PFAKE	LR	00 37 50.0	+12
SBLHI			LR	LR		
HATHI	Halema'uma'u T	49.00 110	PFAKE	LR	00 37 50.0	+12
HATHI			LR	LR		
BYL	Byron's Ledge	49.01 110	PFAKE	LR	00 37 50.0	+12
BYL			LR	LR		
KKO	Keanakako'i	49.02 110	PFAKE	LR	00 37 50.0	+11
KKO			LR	LR		
STCH	Steam Cracks	49.12 110	PFAKE	LR	00 37 50.0	+11
STCH			LR	LR		
DAV	Davao City (W)	49.56 221	LR	LR	00 57 54.6	
DAV	comp=Z,3um,21.0s		LR	LR		
KBS	Kingsbay	49.90 351	eP	P	00 37 44.3	0.0
SPAO	Spitsbergen Ar	50.07 350	eP	P	00 37 45.6	-0.1
BRVK	Borovoye	50.57 309	eP	P	00 37 48.5	-1.2
BRVK	comp=Z,33nm,0.8s		LR	LR		
BRVK	comp=Z,2um,21.0s		LR	LR		
BRVK	Borovoye	50.57 309	iP	P	00 37 48.5	-1.2
BRVK	SNR=15		P	P	00 37 47.9	-1.8
BRVK	comp=Z,41nm,0.9s		pmax	pmax		
BRVK	comp=Z,2um,21.0s		MLR	MLR		
TULEG	Tule	50.86 12	eP	P	00 37 50.8	-0.8
TULEG	comp=Z,2um,21.0s		LR	LR		
TULEG	comp=Z,2um,21.0s		LR	LR		
PDGK	Podgornoye	50.95 294	P	P	00 37 53.7	+0.8
PDGK			pmax	pmax		
ZIRO	comp=Z,12nm,1.1s	51.79 269	eP	P	00 37 58.2	-1.2
ZIRO	Lhasa	52.08 273	PFAKE	LR	00 38 10.0	+8.1
LSA			LR	LR		
LSA			LR	LR		
MOKO	MOKOCHONG	52.18 267	eP	P	00 38 02.0	-0.3
OTUK	Ortayu	52.19 303	P	P	00 38 01.2	-0.8
OTUK			pmax	pmax		
B08A	Colville Reser	52.62 57	eP	P	00 38 05.8	+0.6
B08A	comp=Z,15nm,1.8s		LR	LR		
NONG	Nongkai	52.62 253	P	P	00 38 06.2	+0.8
NONG	comp=Z,1.5nm,1.0s,comp=Z,388nm		LR	LR		
KOHI	KOHIMA	52.86 267	eP	P	00 38 02.8	-4.6
SKNT	Sakolnakhon	52.93 251	P	P	00 38 08.0	+0.2
SKNT	comp=Z,36nm,1.1s,comp=Z,440nm		LR	LR		
TAWA	Tawoye	53.03 270	eP	P	00 38 09.1	+0.3
SVE	Sverdlovsk	53.03 317	eP	P	00 38 06.6	-1.4
SVE			S	S	00 45 23.1	-10
SVE	comp=Z,26nm,0.9s		pmax	pmax		
SVE			MLR	MLR		
TEZPUR	TEZPUR	53.09 269	eP	P	00 38 08.0	-0.8
TEZPUR	Drain, OR	53.11 63	P	P	00 38 10.0	+1.2
TEZPUR	comp=Z,3um,20.0s		LR	LR		
E07A	Sunnyside	53.39 59	eP	P	00 38 12.1	+1.2
E07A	comp=Z,92nm,1.9s		LR	LR		
I04A	Tendick Farm,	53.59 63	P	P	00 38 13.0	+0.6
I04A	baz=307		LR	LR		
JAY	Jayapura	53.65 199	LR	LR	00 57 50.4	
JAY	comp=Z,607nm,21.9s,slow=32		LR	LR		
HAWA	Hanford	53.67 59	eP	P	00 38 13.4	+0.5
HAWA	comp=Z,20nm,1.1s		LR	LR		
PAYA	Payag	53.71 252	P	P	00 38 14.6	+1.1
PAYA	comp=Z,15nm,0.8s,comp=Z,142nm		LR	LR		
F07A	Phinny Hill Vi	53.75 59	eP	P	00 38 14.5	+1.1
F07A	comp=Z,95nm,1.8s		LR	LR		
RABL	Rabaul	53.76 185	PFAKE	LR	00 38 30.0	+16
RABL			LR	LR		
DAG	Danmarks Havn	53.78 358	iP	P	00 38 12.4	-0.8
DAG	comp=Z,26nm,1.0s		P	P	00 38 12.7	-0.5
DAG	Danmarks Havn	53.78 358	P	P		
DAG	comp=Z,31nm,1.2s		pmax	pmax		
NEW	Newport	53.87 56	LR	LR	00 59 43.3	
NEW	comp=Z,636nm,21.3s,baz=302,slow=34		LR	LR		
NEW	Newport	53.87 56	eP	P	00 38 14.8	+0.4
NEW	comp=Z,1nm,0.9s		P	P	00 38 14.8	+0.4
NEW	Newport	53.87 56	eP	P	00 38 14.8	+0.4
NEW	comp=Z,11nm,0.9s		pmax	pmax		
FRU1	Bishkek	54.12 296	PFAKE	LR	00 38 30.0	+14
FRU1			LR	LR		
AA						

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SUMG Summit, HRY Fort Churchill, DANN Danging, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SCO Scoresbysund, MOOV Moose Ponds, LOHW Long Hollow, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PASC Pasadena Art C, MWC Mount Wilson, GSC Goldstone, etc.

Call Sign	Operator	Power	Mode	Frequency	Offset	Bandwidth	SNR	QRM	QSY	QTH	Notes
KULM	Kulim	64.09 246	eP	P	00 39 28.2	+2.7					
KULM	comp-Z,39nm,1.2s										
KULM	LR										
KULM	LR										
KULM	Kulim	64.09 246	P	P	00 39 28.0	+2.6					
IRM	Iron Mountain	64.14 67	P	P	00 39 25.8	+0.1					
W13A	Hualapai Mount	64.24 66	eP	P	00 39 27.3	+0.8					
BAR	Barrett	64.25 69	eP	P	00 39 26.6	+0.3					
MONP2	Monument Peak	64.25 69	P	P	00 39 25.8	-0.7					
U15A	North Rim	64.26 64	eP	P	00 39 27.4	+0.7					
U15A	comp-Z,1.1um,21.0s										
BC3	Big Chuckawall	64.31 68	P	P	00 39 26.6	-0.2					
COEN	Coen	64.37 194	eP	P	00 39 27.3	+0.2					
AGMN	Agassiz Nation	64.45 45	eP	P	00 39 27.5	+0.1					
AGMN	Agassiz Nation	64.45 45	eP	P	00 39 27.2	-0.3					
VSU	Vasula	64.50 333	eP	P	00 39 26.7	-0.8					
VSU	comp-Z,98nm,1.6s										
IPM	Iphoh	64.52 245	PFAKE	LR	00 39 40.0	+1.2					
ANGG	Ammassalik, Gr	64.56 6	eP	P	00 39 28.1	+0.3					
IKP	In-Ko-Pah, Jac	64.61 69	P	P	00 39 28.8	0.0					
PV09	Paradox Valley	64.63 60	eP	P	00 39 30.0	+0.9					
PV21	Coon Mtn., Par	64.67 60	eP	P	00 39 30.3	+1.0					
PHWY	Pilot Hill	64.69 56	PFAKE	LR	00 39 40.0	+1.1					
PHWY	comp-Z,600nm,20.0s										
N23A	Red Feathery L	64.71 56	eP	P	00 39 30.9	+1.3					
N23A	comp-Z,22nm,0.8s										
N23A	LR										
N23A	LR										
N23A	Red Feathery L	64.71 56	P	P	00 39 30.3	+0.7					
PV23	Carpenter Ridg	64.73 60	eP	P	00 39 30.7	+0.9					
PV10	Paradox Valley	64.77 60	eP	P	00 39 31.2	+1.2					
PV14	Lion Creek, Pa	64.78 60	eP	P	00 39 30.8	+0.8					
PV14	comp-Z,24nm,0.8s										
PV14	LR										
PV22	Blue Mesa, Par	64.80 60	eP	P	00 39 30.9	+0.9					
PV22	comp-Z,26nm,1.1s										
Y12C	Blythe	64.80 67	eP	P	00 39 30.7	+0.8					
Y12C	comp-Z,17nm,0.8s										
Y12C	Blythe	64.80 67	P	P	00 39 30.2	+0.3					
PV20	West Nyswonger	64.83 60	eP	P	00 39 31.7	+1.4					
PV19	Morning Glory	64.84 60	eP	P	00 39 31.3	+0.9					
PV19	comp-Z,22nm,0.8s										
PV17	East Wray Mesa	64.88 60	eP	P	00 39 31.5	+0.9					
PV16	Nyswonger Mesa	64.88 60	eP	P	00 39 31.5	+0.9					
PV16	comp-Z,35nm,1.1s										
PV11	David Mesa, Pa	64.92 60	eP	P	00 39 31.8	+1.0					
PV18	Skein Mesa, Pa	64.93 60	eP	P	00 39 31.9	+0.9					
PV18	comp-Z,33nm,0.9s										
PV05	Paradox Valley	64.94 60	eP	P	00 39 32.1	+1.1					
PV12	Saucer Basin	64.94 60	eP	P	00 39 31.9	+0.9					
PV03	Paradox Valley	64.96 60	eP	P	00 39 31.7	+0.5					
VRH	Novokhoporsky	65.00 321	eP	P	00 39 29.6	-1.3					
VRH	comp-Z,30nm,1.0s										
VRH	Radium Mtn., P	65.04 60	eP	P	00 39 32.6	+0.9					
VRH	comp-Z,31nm,0.9s										
LPSR	Galich'ya Gora	65.05 323	eP	P	00 39 29.8	-1.4					
LPSR	comp-Z,20nm,0.8s										
PV02	Paradox Valley	65.06 60	eP	P	00 39 32.8	+1.0					
MYKOM	Kota Tinggi	65.06 241	eP	P	00 39 34.9	+3.1					
MYKOM	comp-Z,19nm,0.8s										
GLA	Glamis	65.10 68	eP	P	00 39 32.8	+0.8					
GLA	comp-Z,18nm,0.8s										
GLA	LR										
GLA	LR										
GLA	Glamis	65.10 68	eP	P	00 39 32.8	+0.8					
GLA	comp-Z,1.1um,21.0s										
GLA	MLR										
GLA	Glamis	65.10 68	P	P	00 39 32.1	+0.2					
GLA	comp-Z,1.1um,21.0s										
MMRI	Maumere	65.14 217	P	P	00 39 33.5	+1.3					
MMRI	comp-Z,37nm,1.3s										
SMCO	Paradox Valley	65.20 60	eP	P	00 39 33.3	+0.5					
SMCO	Snowmass	65.36 58	eP	P	00 39 34.3	+0.3					
SMCO	comp-Z,17nm,0.8s										
SOEI	Soe	65.39 215	eP	P	00 39 33.2	-0.8					
SOEI	comp-Z,800nm,21.0s										
SOEI	Soe	65.39 215	P	P	00 39 35.4	+1.4					
SOEI	comp-Z,37nm,0.9s										
BHPL	Bhopal	65.41 277	eP	P	00 39 33.5	-0.6					
BHPL	comp-Z,46nm,1.0s										
WUAZ	Wupatki	65.43 64	eP	P	00 39 35.4	+1.2					
WUAZ	comp-Z,29nm,1.2s										
WUAZ	Wupatki	65.43 64	P	P	00 39 37.6	+1.2					
WUAZ	comp-Z,18nm,1.0s										
WUAZ	Wupatki	65.43 64	P	P	00 39 34.8	+0.6					
WUAZ	comp-Z,1.1um,21.0s										
EDFI	Ende, Flores	65.47 218	P	P	00 39 34.5	+0.1					
Y14A	Wickenburg	65.57 66	eP	P	00 39 35.9	+0.9					
ISCO	Idaho Springs	65.66 57	eP	P	00 39 36.7	+0.9					
ISCO	comp-Z,30nm,1.0s										
ISCO	Idaho Springs	65.66 57	P	P	00 39 36.5	+0.7					
ISCO	comp-Z,315,SNR=28										
SUSD	Miller	65.79 49	P	P	00 39 35.8	-0.3					
SUSD	comp-Z,317										
NC303	NORSAR Array S	65.85 275	eP	P	00 39 36.8	0.0					
MVCO	Mesa Verde	65.86 342	eP	P	00 39 36.8	+0.5					
MVCO	comp-Z,21nm,0.9s										
MVCO	Mesa Verde	65.89 61	eP	P	00 39 37.6	+0.4					
MVCO	comp-Z,21nm,0.9s										
BORG	Borgarnes	65.90 359	eP	P	00 39 37.6	+1.2					
BORG	comp-Z,700nm,19.0s										
NC405	NORSAR Array S	65.90 342	eP	P	00 39 37.0	+0.4					
113A	Mohawk Valley	65.94 67	eP	P	00 39 37.7	+0.5					
113A	comp-Z,17nm,0.8s										
113A	LR										
113A	LR										
NC204	NORSAR Array S	65.94 342	eP	P	00 39 37.1	+0.2					
VSR	Storozhevoye	66.03 322	eP	P	00 39 35.7	-1.8					
VSR	comp-Z,10nm,0.9s										
BATI	Baumata	66.03 215	P	P	00 39 41.3	+3.3					
NB201	NORSAR Array S	66.04 342	eP	P	00 39 37.8	+0.3					
NB2	NORSAR Array S	66.07 342	P	P	00 39 36.8	-0.9					
NB200	NORSAR Array S	66.07 342	eP	P	00 39 36.2	-1.5					
NOA	NORSAR Array B	66.07 342	eP	P	00 39 36.2	-1.5					
NOA	comp-Z,7.1nm,0.9s,comp-Z,25,slow=6.5,SNR=15										
NOA	LR										
X16A	Lo Mia Camp, P	66.16 65	eP	P	00 39 40.2	+1.3					
X16A	comp-Z,12nm,0.8s										
NB000	NORSAR Array S	66.16 342	eP	P	00 39 38.3	0.0					
NB000	comp-Z,2.1um,20.0s										
LHMI	Lhok Sumawe	66.36 249	PFAKE	LR	00 39 50.0	+1.0					
LHMI	comp-Z,1.1um,20.0s										
S22A	4UR Ranch, Cre	66.45 59	eP	P	00 39 41.9	+1.0					
S22A	comp-Z,25nm,1.1s										
S22A	LR										
S22A	LR										
S22A	comp-Z,800nm,18.0s										
S22A	4UR Ranch, Cre	66.45 59	P	P	00 39 41.8	+1.0					
S22A	comp-Z,316,SNR=27										
Q24A	comp-Z,12nm,0.9s	66.51 57	eP	P	00 39 41.7	+0.4				</	

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like J42A Columbus, M39A Webster, L40A Anomosa, etc.

2012 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like SIM Simferopol', WMOK Wichita Mounta, F51A Arnstein, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like L48A N Adams, OKC Ostrava-Krasne, OKC Ostrava-Krasne, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, and other details. Includes call signs like PRA, W39A, S43A, PRU, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, and other details. Includes call signs like MODS, R46A, U43A, W41B, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, and other details. Includes call signs like P51A, O52A, R49A, BZS, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like OXF Oxford, W46A Michie, Y44A Stride Charl, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like HAPS Han Pijesak, BI 246A Louisville, 244A Avast Jackson, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like 346A Big Creek Wild, 346B Big Creek Wild, BRY Bravest, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, etc. Includes stations like FETV, FETHIYE, TURUNC, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, etc. Includes stations like LAST, LASTI, ANOYIA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, etc. Includes stations like SDV, KMBO, SVB, etc.

ISCJB 17 00:35:06.2, 0.8, 52.59N, 0103.132W, 0.07, h19km, 5km, mb4.3/1, Error ellipse: s-maj=8.4km s-min=3.4km az=145.5

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

Table with columns: ANM, GLA, LENM, Station Name, Time, Res, ISC, h m s, ISC

IDC 17 00:52:18.5-1.0, 26.86N, 143.96E, h0km, mb3.9/8, mb1.4/2.1, mb1mx3.9/5.0, mbtmp4.0/11, ML3.6/2, Error ellipse: s-maj=21.9km s-min=21.2km az=157.0

NEIC 17 00:52:19.6-0.4, 26.76N, 143.98E, h10km, mb4.6/13, Error ellipse: s-maj=8.3km s-min=8.3km az=85.0

ISCJB 17 00:52:21.5-0.4, 26.90N, 143.85E, h0.04, h33km, mb4.2/2.0, Error ellipse: s-maj=8.3km s-min=5.0km az=171.6

JMA 17 00:52:24.3-0.2, 26.99N, 143.55E, h90km, M3.8, Error ellipse: s-maj=8.3km s-min=8.3km az=85.0

ISC 17 00:52:23.4-0.7, 26.86N, 143.78E, h0.07, h35km, n49, c145/54, mb4.3/2.0, Bonin Islands region

Main table for Bonin Islands region with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC

IDC 17 00:52:58.5-2.6, 56.04N, 154.00W, h28km, 5km, mb3.9/8, mb1.4/0.1, mb1mx3.5/6.5, mbtmp4.0/10, ML3.8/2, Error ellipse: s-maj=18.4km s-min=18.4km az=149.0

ISCJB 17 00:53:00.1-0.9, 56.53N, 154.01W, h0.06, h43km, 6km, mb4.1/1.7, Error ellipse: s-maj=11.0km s-min=4.8km az=160.1

NEIC 17 00:53:02.4-0.0, 56.54N, 154.04W, h38km, ML3.6(AEIC), After AEIC.

ISC 17 00:53:00.6-1.1, 56.48N, 153.98W, h0.05, h29km, 6km, h29km: pP, n65, c072/78, mb4.3/7, Kodiak Island region

Main table for Kodiak Island region with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC

Main table for 2012 DEC with columns: KNK, KNL, KND, Station Name, Time, Res, ISC, h m s, ISC

ISCJB 17 01:04:12.7-1.9, 10.43N, 0.05, 126.67E, h0.05, h6km, 12km, mb4.0/7, Error ellipse: s-maj=9.0km s-min=7.7km az=33.2

IDC 17 01:04:13.2-0.9, 10.34N, 126.38E, h0km, mb4.0/7, mb1.4/2.7, mb1mx3.8/5.4, mbtmp4.0/7, Error ellipse: s-maj=6.7km s-min=1.9km az=71.0

MAN 17 01:04:14.7, 10.41N, 126.51E, h1km, mb4.8, ML3.7, MS3.7, Error ellipse: s-maj=6.7km s-min=1.9km az=71.0

ISC 17 01:04:14.5-2.3, 10.36N, 126.48E, h0.08, h7km, 13km, n18, c148/24, mb3.8/7, 3C-1D, Philippine Islands region

Main table for Philippine Islands region with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC

IDC 17 01:22:35.3-2.3, 5.81S, 130.51E, h0km, mb3.9/1, mb1.4/1.3, mb1mx3.6/3.2, mbtmp3.9/3, ML4.0/2, Error ellipse: s-maj=141.6km s-min=29.9km az=71.0, Banda Sea

WRA 17 00:53:04.1, 14.53 BS, Op, ISC, h m s, ISC, 0.7mm, 0.3s, baz=348, slow=13, SNR=30

ASAR Alice Springs 18.05 170 P, 0.1m, 0.5s, baz=347, slow=8.3, SNR=25

MKAR Makanchi Array 56.72 326 P, 0.5mm, 0.4s, baz=115, slow=7.7, SNR=13

IDC 17 01:29:37.6-14.0, 16.88S, 167.09E, h0km, mb4.1/3, mb1.4/3/4, mb1mx3.8/3.7, mbtmp4.1/4, ML4.1/1, Error ellipse: s-maj=241.1km s-min=38.5km az=67.0, Vanuatu Islands

DZM Mont Dzumac 5.20 187 P, 0.1m, 0.3s, baz=29, slow=13, SNR=71

STKA Stephens Creek 27.51 232 P, 3.1mm, 0.3s, baz=315, slow=19, SNR=4.1

WRA 17 01:29:37.6-14.0, 16.88S, 167.09E, h0km, mb4.1/3, mb1.4/3/4, mb1mx3.8/3.7, mbtmp4.1/4, ML4.1/1, Error ellipse: s-maj=241.1km s-min=38.5km az=67.0, Vanuatu Islands

ASAR Alice Springs 18.05 170 P, 0.1m, 0.5s, baz=347, slow=8.3, SNR=25

MKAR Makanchi Array 56.72 326 P, 0.5mm, 0.4s, baz=115, slow=7.7, SNR=13

NIED 17 01:31:00.37, 60N, 140.30E, h5km, Mw3.9, Best double couple: M7.520000, 1014, NP1=169.00000, 861.00000, 132.00000, NP2=862.00000, 862.00000, 17.00000

IDC 17 01:31:28.9-1.1, 37.48N, 140.43E, h0km, mb3.5/4, mb1.3/9/4, mb1mx3.4/4.1, mbtmp3.5/4, MS3.2/1, Ms1.3/2/1, ms1mx2.7/2.5, Error ellipse: s-maj=30.4km s-min=14.8km az=143.0

ISCJB 17 01:31:29.5-0.5, 37.57N, 140.30E, h0.04, h11km, 3km, mb3.6/4, Error ellipse: s-maj=5.5km s-min=4.8km az=154.3

JMA 17 01:31:29.8, 37.58N, 140.29E, h8km, 1km, M3.7, Broadband fault plane solution: P waves: NP1=169.00000, 861.00000, 132.00000, NP2=862.00000, 862.00000, 17.00000, 674.00000, 1169.00000, Principal axes: T Plg19.00000, Azm28.00000, N Plg71.00000, Azm196.00000, P Plg4.00000, Azm297.00000

JMA Felt II.1, ISC 17 01:31:30.0-0.9, 37.57N, 140.30E, h0.03, h8km, 6km, n23, c072/23, mb3.6/4, 2C-5D, Eastern Honshu

JFT Otama 0.06 158 Op, ISC, h m s, ISC, 0.0m, 0.3s, baz=115, slow=7.7, SNR=13

JYAR Yonezawaarcadi 0.36 339 P, 0.1m, 0.3s, baz=115, slow=7.7, SNR=13

JMM Marumori 0.48 53 P, 0.1m, 0.3s, baz=115, slow=7.7, SNR=13

Table with columns: JFK, JFY, JFJ, JONAJ, JNS, JYS, JSB, JNS, JOU, MJAR, Station Name, Time, Res, ISC, h m s, ISC

ISCJB 17 01:43:20.7-1.0, 31.97N, 109.47E, h0.06, h10km, Error ellipse: s-maj=14.3km s-min=5.3km az=19.1

TEH 17 01:43:21.4, 32.10N, 48.08E, h10km, ML3.3, Error ellipse: s-maj=14.3km s-min=5.3km az=19.1

ISC 17 01:43:20.1-1.4, 31.98N, 109.48E, h0.05, h10km, n20, c198/21, Western Iran

Main table for Western Iran with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC

ISC 17 01:43:15.8-0.9, 31.86N, 48.02E, h0km, 169km, ML3.4, Error ellipse: s-maj=14.3km s-min=5.3km az=19.1

ISC 17 01:43:21.4, 32.10N, 48.08E, h10km, ML3.3, Error ellipse: s-maj=14.3km s-min=5.3km az=19.1

ISC 17 01:43:20.1-1.4, 31.98N, 109.48E, h0.05, h10km, n20, c198/21, Western Iran

Main table for Western Iran with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC

ISCJB 17 01:43:23.1-1.1, 39.86N, 109.29W, h0.1, h10km, mb3.6/4, Error ellipse: s-maj=15.8km s-min=7.7km az=44.8

IDC 17 01:43:24.6-1.0, 40.56N, 30.02W, h0km, mb3.7/4, mb1.4/0.5, mb1mx3.5/3.9, mbtmp3.7/5, ML4.1/1, Error ellipse: s-maj=30.7km s-min=20.7km az=168.0

ISC 17 01:43:22.6-1.0, 39.93N, 109.29W, h0.09, h10km, n11, c197/11, mb3.7/4, Azores Islands

Main table for Azores Islands with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC

MAN 17 01:43:49.1, 13.76N, 120.34E, h56km, mb3.9, ML2.6, MS2.1, C, Mindoro

Main table for Mindoro with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC

ISCJB 17 01:45:31.8-1.1, 36.53N, 106.67E, h0.1, h150km, Error ellipse: s-maj=15.5km s-min=6.6km az=162.7

NINC 17 01:45:39.4-3.5, 37.04N, 171.14E, h185km, 48km, mb2.5, mpv3.4, Error ellipse: s-maj=37.1km s-min=28.9km az=60.0

ISC 17 01:45:31.3-1.4, 36.53N, 106.67E, h0.1, h150km, n10, c264/15, 8C-2D, Afghanistan-Tajikistan border region

17d 4h

Table with columns for station name, frequency, mode, and time offset. Includes stations like Yuzh-Kuril'sk, Tuman, Golovino, Kuril'sk, etc.

2012 DEC

Table with columns for station name, frequency, mode, and time offset. Includes stations like Alice Springs, Palk NB2, NOA, KIEV, CLL, TXAR, etc.

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Table with columns for station name, frequency, mode, and time offset. Includes stations like EPLA, ESDC, ETOB, MVO, IDC 17 03:44:53.87.4, etc.

IDC 17 05:00:02.9-1.5, 6.79S, 128.35E, h0km, mb3.7/2, mb1 3.8/5, mb1mx3.5/36, mbtmp3.7/5, ML3.7/3, Error ellipse: s-maj=56.8km s-min=28.0km az=74.0, Banda Sea
 Code Station Name Δ° AZ° Phase ID Time Res h m s ISC
SIJI Sorong 6.56 26 Pn Pn 05 01 42.3 +1.6
 1.2nm, 0.3s, baz=324, slow=23, SNR=8.3
SIJI Sn Pn 05 02 44.0 -1.2
 5.0nm, 0.3s, baz=220, slow=22, SNR=15
WRA Warrungga Arr 14.31 163 Pn Pn 05 03 26.0 -0.9
 0.5nm, 0.3s, baz=343, slow=13, SNR=15
WRA Sn Pn 05 05 54.7 -1.2
 0.5nm, 0.3s, baz=335, slow=22, SNR=5.9
ASAR Alice Springs 17.61 163 P Pn 05 04 10.8 -0.2
 0.3nm, 0.3s, baz=342, slow=9.5, SNR=14
ASAR S Pn 05 07 12.4 -1.4
 0.1nm, 0.3s, baz=311, slow=38, SNR=1.9
MKAR Makani Array 67.16 328 P Pn 05 10 59.0 +0.4
 0.8nm, 0.5s, baz=117, slow=8.3, SNR=20
KURBB Kurchatov Arr 71.48 329 P Pn 05 11 24.2 -1.1
 0.2nm, 0.4s, baz=125, slow=5.2, SNR=4.3

ISCJB 17 05:24:09.1+1.1, 33°10'S, 0°05'70.21W, 0°06, h112km, 8km, Error ellipse: s-maj=9.2km s-min=7.2km az=136.1
SJA 17 05:24:09.4+0.7, 33°03'S, 70°27'W, h102km, 5km, ML2.4, MW3.2
GUC 17 05:24:09.8+0.7, 32°06'S, 70°17'W, h99km, 8km, ML3.3
ISC 17 05:24:08.6+2.4, 33°12'S, 0°07'70.25W, 0.07, h116km, 16km, n15, c08, 89Z7, 1C-2D, Chile-Argentina border region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
FCH	Farellones	0.21	189	Op	ISC	05 24 25.1	+0.1
FCH				Op	ISC	05 24 36.6	-1.1
FCH				Op	ISC	05 24 37.4	-1.1
CLCH	Cerro Calan	0.36	221	iP	Pn	05 24 25.7	+0.2
CLCH				iP	Pn	05 24 37.9	-0.3
ROCH	El Roble	0.66	283	iP	Pn	05 24 27.4	+0.0
ROCH				iP	Pn	05 24 41.5	-0.7
ROCH				iP	Pn	05 24 41.5	-0.7
ROCI	El Roble	0.66	282	eP	Pn	05 24 27.4	0.0
ROCI				eP	Pn	05 24 41.0	-0.7
AMEL	Las Melosas	0.73	177	iP	Pn	05 24 29.3	+1.3
AMEL				iP	Pn	05 24 43.3	+0.7
ARCO	CERRO ARCO	1.14	76	iP	Pn	05 24 32.6	+0.7
ARCO				iP	Pn	05 24 50.0	+0.5
ARCO				iP	Pn	05 24 50.4	+0.5
AUSP	Uspallata	1.15	39	eP	Pn	05 24 32.5	+0.3
AUSP				eP	Pn	05 24 49.2	-0.8
AAGR	Agrelo	1.20	89	eP	Pn	05 24 33.5	+1.1
ASAL	Salagasta	1.30	66	iP	Pn	05 24 34.1	+0.5
RTLS	Leoncito	1.54	32	eP	Pn	05 24 37.6	+1.0
RTLS				eP	Pn	05 24 40.9	+0.1
RTLS				eP	Pn	05 25 00.2	
RTLL	Cerro Villicun	2.34	41	eP	Pn	05 24 46.8	+0.6
AMOG	MOGNA	2.64	35	eP	Pn	05 24 51.0	+0.9
AMOG				eP	Pn	05 24 51.7	+0.7
ACAN	Cantantall	2.72	73	eP	Pn	05 24 51.4	+0.3
ACAN				eP	Pn	05 25 21.9	-1.9
ACCO	Cerro Coronel	2.72	22	eP	Pn	05 24 52.1	+0.7
ACCO				eP	Pn	05 25 24.8	+0.5
MRA	San Martin	3.88	81	eP	Pn	05 25 06.4	-0.2
MRA				eP	Pn	05 25 49.5	-1.9

IDC 17 05:34:06.7-1.4, 38°01'N, 3°26'W, h0km, mb3.3/2, mb1 3.5/4, mb1mx3.2/48, mbtmp3.4/4, ML2.7/2, Error ellipse: s-maj=20.7km s-min=13.1km az=76.0
IGIL 17 05:34:06.7, 38°04'N, 3°30'W, h4km, ML3.5
MDD 17 05:34:07.0-1.1, 38°05'N, 3°28'W, h2km, 1km, mblg3.6/43, Error ellipse: s-maj=2.1km s-min=1.8km az=10.0, PRXIMO
MDD EMS: V INTENSIDAD MAXIMA.
SFS 17 05:34:07.0, 38°00'N, 3°20'W, h4km, ML3.3, TORREFOGOL (JAEV)
LDG 17 05:34:07.0-1.1, 38°01'N, 3°29'W, h2km, ML3.8/4, Error ellipse: s-maj=1.9km s-min=1.4km az=140.0
INMG 17 05:34:07.3-1.5, 38°08'N, 3°31'W, h0km, ML3.5, Error ellipse: s-maj=1.5km s-min=1.3km az=45.0
CNRM 17 05:34:17.6, 37°59'N, 3°39'W, h21km, ML3.6
ISC 17 05:34:06.2-1.1, 38°08'N, 0°02'32'W, h0.02, h4km, 9gkm, n133, c196/215, 5C-3D, Spain

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
EQES	Quesada	0.32	151	iP	Pg	05 34 12.8	+0.4
EQES				iP	Pg	05 34 17.3	
SESP	Santiago Espad	0.57	86	iP	Pb	05 34 18.6	-0.3
SESP				iP	Pb	05 34 26.5	
GORA	Gorafe	0.63	164	iP	Pg	05 34 18.7	+0.5
GORA				iP	Pg	05 34 27.1	
EQUE	Queantar	0.89	189	Pg	Pb	05 34 23.1	-1.1
EQUE				Pg	Pb	05 34 34.5	
EADA	Adamuz	1.04	275	iP	Pg	05 34 26.5	-0.3
EADA				iP	Pg	05 34 39.9	
EGAD	Sierra Gorda	1.18	215	iP	Pn	05 34 28.7	-0.9
EGOR				iP	Pn	05 34 45.5	
EBER	Berja	1.22	166	Pg	Pn	05 34 29.4	-0.8
EBER				Pg	Pn	05 34 44.8	
ELGU	Los Guajares	1.25	194	Pg	Pg	05 34 30.6	+0.5
ENIJ	Nijar	1.39	142	Pg	Pb	05 34 32.8	+0.1
ENIJ				Pg	Pb	05 34 51.8	
ETOB	Tobarra	1.46	67	Pn	Pb	05 34 34.0	-0.1
ETOB				Pn	Pb	05 34 35.1	+0.9
ETOB				Pn	Pb	05 34 53.3	+0.3
ETOB				Pn	Pb	05 34 54.6	
HORN	Hornachuelos	1.59	262	S	Pb	05 34 56.9	+0.2
EMUR	La Murta	1.62	98	iP	Pn	05 34 36.4	-0.3
EMUR				iP	Pn	05 34 59.4	
ESDC	Sonseca Array	1.68	341	Pg	Pb	05 34 39.0	+1.2
ESDC				Pg	Pb	05 35 01.0	
ESDC	Sonseca Array	1.68	341	Pg	Pb	05 34 38.9	+1.1
ESDC				Pg	Pb	05 34 56.9	-1.6
ESDC				Pg	Pb	05 35 00.8	
PAB	San Pablo	1.69	330	Pn	Pn	05 34 37.0	+0.4
PAB				Pn	Pn	05 34 39.1	+1.2
PAB				Pn	Pn	05 34 56.9	-1.9
PAB				Pn	Pn	05 35 01.3	
ECAB	El Cabril	1.70	270	iP	Pn	05 34 36.1	-0.6
ECAB				iP	Pn	05 34 37.8	-0.3
ECAB				iP	Pn	05 34 59.5	

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
CART	Cartagena	1.86	105	Pn	Pn	05 34 38.6	-0.2
CART				Pn	Pn	05 35 03.9	-0.3
CART				Pn	Pn	05 34 38.6	-0.2
CART				Pn	Pn	05 35 03.9	-0.3
ETRV	Los Montesinos	1.98	91	eP	Pg	05 34 45.1	+1.0
ETRV				eP	Pg	05 35 05.1	-0.5
ETRV				eP	Pg	05 35 11.4	
UCM	Universidad Co	2.22	0	iP	Pg	05 34 49.8	+1.0
UCM				iP	Pg	05 35 17.0	+2.1
ECHE	Chera	2.34	49	Pn	Pn	05 34 45.9	+0.3
ECHE				Pn	Pn	05 34 52.3	+1.2
ECHE				Pn	Pn	05 35 23.5	
ESPR	Espera	2.39	240	Pn	Pn	05 34 46.4	+0.3
ESPR				Pn	Pn	05 34 52.0	0.0
ESPR				Pn	Pn	05 35 14.8	-1.1
ESPR				Pn	Pn	05 35 23.1	
EJIF	Jimena Fronter	2.40	228	Pg	Pg	05 34 51.5	-0.6
EJIF				Pg	Pg	05 35 23.7	
ALJ	Aljibe	2.45	232	Pg	Pg	05 34 55.0	+1.8
ALJ				Pg	Pg	05 35 28.8	
ALJ				Pg	Pg	05 34 55.0	+1.8
ALJ				Pg	Pg	05 35 28.8	
EBEN2	Beniarda presa	2.49	75	Pn	Pn	05 34 48.3	+0.8
EBEN2				Pn	Pn	05 34 54.4	+0.5
EBEN2				Pn	Pn	05 35 17.4	-0.9
EBEN2				Pn	Pn	05 35 27.1	
GIBL	Gibalbin	2.49	241	Pg	Pg	05 34 54.2	+0.4
GIBL				Pg	Pg	05 35 24.0	
GIBL				Pg	Pg	05 34 54.2	+0.4
GIBL				Pg	Pg	05 35 24.0	
EMIN	Mina Concepcio	2.71	264	Pn	Pn	05 34 49.8	-0.8
EMIN				Pn	Pn	05 34 56.0	+0.7
EMIN				Pn	Pn	05 35 32.1	
EMIN				Pn	Pn	05 35 32.1	
CEUT	Ceuta	2.75	218	S	Pn	05 34 54.0	-1.9
CEUT				S	Pn	05 35 22.9	-1.8
EPLA	Plasencia	2.95	313	Pn	Pn	05 34 53.7	-0.3
EPLA				Pn	Pn	05 35 02.6	-0.3
EPLA				Pn	Pn	05 35 39.1	
PBAR	Barrancos	2.98	273	eSg	A	05 35 40.5	-1.4
PBAR				eSg	A	05 35 46.3	
PBAR				eSg	A	05 35 40.5	
PBAR				eSg	A	05 35 40.5	
EBAD	Badajoz	3.02	284	Pn	Pn	05 34 54.3	-0.5
EBAD				Pn	Pn	05 35 02.5	+1.9
EBAD				Pn	Pn	05 35 30.0	-1.5
EBAD				Pn	Pn	05 35 42.9	
EMOS	Mosqueruela	3.15	43	Pn	Pn	05 34 58.1	+1.4
EMOS				Pn	Pn	05 35 07.2	+0.7
EMOS				Pn	Pn	05 35 35.0	+0.2
EMOS				Pn	Pn	05 35 46.7	
EGRO	El Granado	3.39	262	Pn	Pn	05 34 58.9	-0.9
EGRO				Pn	Pn	05 35 08.8	+2.0
EGRO				Pn	Pn	05 35 38.6	-1.9
EGRO				Pn	Pn	05 35 52.7	
PESTR	Estremoz	3.48	284	eSg	A	05 35 01.9	+0.7
PESTR				eSg	A	05 35 56.9	-1.3
PESTR				eSg	A	05 36 04.4	
PESTR				eSg	A	05 35 12.3	-0.7
PESTR				eSg	A	05 35 57.1	-1.1
PMRV	Marv??o	3.50	294	ePn	Pn	05 35 04.4	+3.0
PMRV				ePn	Pn	05 35 15.8	+2.6
PMRV				ePn	Pn	05 35 58.5	0.0
PMRV				ePn	Pn	05 36 04.2	
PMRV				ePn	Pn	05 35 04.4	+3.0
PMRV				ePn	Pn	05 35 15.8	+2.6
PMRV				ePn	Pn	05 35 58.5	
PVAQ	Vaqueiros	3.59	261	ePn	Pn	05 35 01.7	-1.0
PVAQ				ePn	Pn	05 35 44.7	-0.9
PVAQ				ePn	Pn	05 35 59.2	-2.5
PVAQ				ePn	Pn	05 36 08.7	
PVAQ				ePn	Pn		

NIED 17 06:16:00,38.40N,142.20E,h32km,Mw3.7 Best double couple: M3.90000+1014 NP1.3296.00000, 353.00000, 1.144.00000... NP2.96183.00000, 362.00000, 1.443.00000

ISCJB 17 06:16:49.1+1.1, 38.34N,0.04,142.22E,0.06,h20km,7km, mb3.6/8, Error ellipse: s-maj=8.7km s-min=5.8km az=15.9

JMA 17 06:16:50.8+0.1, 38.41N,142.16E,h31km,1km,M3.6 JMA Felt II J1

ISC 17 06:16:49.2+0.0,38.30N,0.04,142.13E,0.06,h13km=12km, n31,1f952/37,mb3.4/8, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like IJHK Ishinomakikobu, IJJO Ouri, IJJK Kesenumamotoy, etc.

MEX 17 06:24:22.1+0.3, 16.51N-98.95W, h16km,4km,MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like PNIG Pinotepa, TLIG Tlapa, CALG El Cayaco, etc.

NIED 17 06:30:00,45.00N,141.80E,h17km,Mw3.9 Best double couple: M6.7.32000+1014 NP1.3296.00000, 841.00000, 1.16.00000... NP2.96183.00000, 854.00000, 1.69.00000

ISCJB 17 06:30:28.0+0.4, 45.16N,0.07,141.86E,0.06,h33km, mb3.5/12,MS3.1/2, Error ellipse: s-maj=9.8km s-min=5.7km az=13.6

JMA 17 06:30:29.3+0.1, 45.05N,141.83E,h29km,2km,M3.7 JMA Felt II J1

ISC 17 06:30:29.5+0.6,45.08N,0.07,141.87E,0.05,h35km,n25, c090/26,mb3.6/12,2C-2D,Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like WJKE Keihoku, JRR Rishiri, JRR Rishiri, etc.

ILAR Eielson Array 42.67 37 P P 06 38 21.3 -1.0

ILAR 1.4nm,0.8s,baz=282,slow=7.9,SNR=17 LR 06 58 37.2

BVAR Borovoye Array 45.70 307 P P 06 40 24.9 +0.8

INK Inuvik 47.17 30 P P 06 38 56.7 -1.2

AKTO Aktyubinsk 53.77 308 P P 06 40 54.0 +0.3

YKA Yellowknife Ar 56.76 33 P P 06 40 49.0 -0.5

ASAR Alice Springs 68.0 188 P P 06 41 30.6 +0.6

NVAR Minna Rhea 70.01 55 P P 06 41 36.8 -1.0

PDAR Pinedale Array 71.86 47 P P 06 41 49.3 +0.3

ULM Lac du Bonnet 72.64 35 P P 06 41 52.4 -0.8

TXAR Lajitas Array 84.96 53 P P 06 43 02.8 +1.5

ISC 17 06:45:47.3+1.5, 6.81S, 128.53E,h0km,mb4.0/2, mb1.4/0.5, mb1mx3.7/33, mbtmp3.9/5, ML3.9/3, MS3.0/1, ML3.0/1, ms1mx2.4/21, Error ellipse: s-maj=55.4km s-min=27.6km az=77.0

ISCJB 17 06:45:58.7+0.4, 6.78S,0.04,129.97E,0.04,h150km, mb3.3/1, Error ellipse: s-maj=6.5km s-min=4.4km az=149.4

NEIC 17 06:45:59.0+0.5, 6.80S, 130.01E,h142km,5km,mb4.7/2, Error ellipse: s-maj=7.1km s-min=5.1km az=67.0

ISC 17 06:45:58.8+0.7, 6.77S,0.05,130.03E,0.06,h150km,n22, c232/34,Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like SOEI Saumlaki, SOEI Saumlaki, SOEI Saumlaki, etc.

Table with columns: SFAN Crater Summit, SSV Crater Summit, SVV Soufriere Volc, etc.

ISC 17 07:18:35.5+8.6, 6.88S, 129.50E,h123km,107km,mb3.8/3, mb1.4/0.6, mb1mx3.6/38, mbtmp4.4/6, ML4.3/2, Error ellipse: s-maj=23.5km s-min=23.5km az=81.0

ISCJB 17 07:18:36.2+0.4, 6.82S,0.03,130.02E,0.06,h150km, mb4.3/6, Error ellipse: s-maj=8.1km s-min=4.8km az=177.2

NEIC 17 07:18:37.3+1.2, 6.80S, 130.05E,h152km,15km,mb4.4/4, Error ellipse: s-maj=20.3km s-min=10.3km az=81.0

DJA 17 07:18:39.3+0.4, 7.5S, 131.0E, h173km,19km, M4.7/11, mb4.8/7, MB5.2/7, MLV4.8/11, Mw(mb)4.6/7

ISC 17 07:18:35.8+0.7, 6.92S,0.05,130.09E,0.08,h150km,n31, c256/34,mb4.4/6,Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like SAUI Saumlaki, BNDI Bandanaira, BNDI Bandanaira, etc.

NIED 17 07:25:00,37.00N,143.50E,h5km,Mw3.6 Best double couple: M2.54000+1014 NP1.3296.00000, 824.00000, 1.76.00000... NP2.96183.00000, 867.00000, 1.436.00000

ISCJB 17 07:25:15.9+1.1, 36.88N,143.54E,h0km,mb3.4/4, mb1.3/7.5, mb1mx3.4/48, mbtmp3.4/5, ML3.4/1, MS2.4/3, Ms1 2.4/3, ms1mx2.1/29, Error ellipse: s-maj=31.1km s-min=29.3km az=103.0

ISCJB 17 07:25:19.0+0.7, 36.98N,0.04,143.50E,0.05,h33km, mb3.5/4, Error ellipse: s-maj=6.2km s-min=5.5km az=32.9

JMA 17 07:25:20.0+0.1, 37.01N,143.45E,h49km,M3.6

ISC 17 07:25:20.1+1.1, 37.01N,0.05,143.57E,0.08,h35km,n24, c1947/39,mb3.4/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like IJHK Ishinomakikobu, IJJK Ishinomakikobu, IJJK Ishinomakikobu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, Guam, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam, ILAR Eielson Array, TORO Torodi Ar. Bea.

IDC 17 08:38:19.9,1.0,31.46S:66.32W,h0km,mb3.6/2, mb1.3/4,mb1mx3.6/28,mbtmp3.7/4,ML4.0,2,MS2.9/1, Ms1.2/9.1,ms1mx2.5/24,Error ellipse: s-maj=42.2km s-min=22.5km az=140.0

ISCJB 17 08:38:24.3,1.0,32.29S:0.0,65.09W,0.0,0.05,h23km,10km, Error ellipse: s-maj=7.2km s-min=6.2km az=156.2

SJA 17 08:38:24.9,0.7,32.35S:65.29W,h20km,3km,ML3.7, MW4.1

NEIC 17 08:38:25.0,0.0,32.34S:65.29W,h20km,mb4.4/1, MD4.1(SJA),After SJA

NEIC Felt (III) in the Merlo area. ISC 17 08:38:25.0,0.0,32.39S:0.0,65.22W,0.0,0.4,h16km,5km, n48, r180,6,1C-2D, San Luis Province

Main table listing stations from MRA San Martin to MKAR Makanchi Array with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

IDC 17 08:40:01.0,1.9,7.68S:127.86E,h169km,22km,mb3.1/2, mb1.3/6,mb1mx3.4/30,mbtmp4.2/6,Error ellipse: s-maj=25.2km s-min=19.4km az=133.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BATI Baumata.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SJUI Sorong, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 17 09:00:23.1,1.8,7.77S:127.12E,h0km,mb3.6/1, mb1.3/5,4,mb1mx3.4/30,mbtmp3.4/4,ML3.2,2,Error ellipse: s-maj=58.3km s-min=30.9km az=73.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SJUI Sorong, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

MEX 17 09:00:35.9,0.6,16.30N:98.21W,h13km,2km,MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PNIG Pinotepa, TLG Tiapa, VHO Vista Hermosa, CMIG Matias Romero.

JMA 17 09:00:41.3,0.1,21.97N:121.08E,h59km,3km,ML4.4 ISCJB 17 09:00:43.4,0.4,22.01N:0.0,121.25E,0.0,2,h32km,2km, Error ellipse: s-maj=4.7km s-min=3.0km az=173.9

TAP 17 09:00:43.5,21.99N:121.22E,h31km,ML4.0, C ISC 17 09:00:43.4,1.3,22.08N:0.0,121.23E,0.0,2,h15km,9km, n102, r095/146, 10C-SD, Taiwan region

Main table listing stations from LAY Lan-yu to CHY Chiyi with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

Main table listing stations from CHN2 Minshiang to XPS Dashiqi with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

17d 9h

Table with columns for station code, name, frequency, power, and coordinates. Includes stations like BBP Basco, MNAI Manna, WRAB Tennant Creek, etc.

2012 DEC

Table with columns for station code, name, frequency, power, and coordinates. Includes stations like OZH comp=Z,9um,15.2s, OZH comp=Z,3um,11.4s, SRAK Srakaw, etc.

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Table with columns for station code, name, frequency, power, and coordinates. Includes stations like CBIJ comp=Z,1um,1.1s, KMI Kunming, KMI KMI, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AREO ARCESS Array S, KIS Kishinev, MNK Minsk, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GZR Gura Zlata, MORB Mori Rana, DAWSON INLET T, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NKC Novy Kostel, BLS5 Blasjo, MYKA Terra Mystica, etc.

CCM	Cathedral Cave	130.77	37	P	PKPdf	09 35 37.7	-0.1
I49A	Point Hope	130.81	25	P	PKPdf	09 35 38.9	+1.1
K47A	Vermontville	130.83	28	P	PKPdf	09 35 37.7	-0.1
U40A	Yellville	130.84	40	P	PKPdf	09 35 38.4	+0.3
E54A	Lac Daplat, Po	130.84	19	P	PKPdf	09 35 38.1	+0.3
R42A	Luebbering	130.89	36	P	PKPdf	09 35 38.5	+0.4
J48A	Bridge Port	130.90	27	P	PKPdf	09 35 39.5	+1.5
W39A	Magazine	130.93	41	ePKPdf	PKPdf	09 35 38.4	+0.1
W39A	Magazine	130.93	41	P	PKPdf	09 35 38.4	+0.1
O44A	Mansfield	130.93	33	P	PKPdf	09 35 39.2	+1.0
N45A	Kentland	130.94	32	P	PKPdf	09 35 38.6	+0.5
Q43A	New Douglas	131.08	35	P	PKPdf	09 35 38.9	+0.4
T11A	Mountain View	131.10	38	P	PKPdf	09 35 38.7	+0.1
M46A	Old House Fiel	131.13	30	P	PKPdf	09 35 39.3	+0.9
K48A	Perry	131.14	27	P	PKPdf	09 35 38.3	-0.1
J49A	Marlette	131.14	26	P	PKPdf	09 35 38.7	+0.3
S42A	Caledonia	131.22	37	P	PKPdf	09 35 38.9	+0.2
O45A	Potomac	131.26	32	P	PKPdf	09 35 39.2	+0.4
L47A	Sherwood	131.27	29	P	PKPdf	09 35 39.0	+0.3
FVM	French Village	131.30	36	ePKPdf	PKPdf	09 35 38.8	-0.1
FVM	French Village	131.30	36	ePKIKP	PKPdf	09 35 38.8	-0.1
N46A	Monticello	131.31	31	P	PKPdf	09 35 39.3	+0.4
P44A	Sand Creek, Wi	131.33	34	P	PKPdf	09 35 40.1	+1.2
R43A	Red Bud	131.40	36	P	PKPdf	09 35 39.5	+0.4
H52A	Wyevale	131.43	23	P	PKPdf	09 35 39.6	+0.7
U41A	Viola	131.44	39	P	PKPdf	09 35 39.8	+0.5
MIAR	Mount Ida	131.45	42	ePKPdf	PKPdf	09 35 39.4	+0.1
MIAR	Mount Ida	131.45	42	ePKIKP	PKPdf	09 35 39.4	+0.1
MIAR	Mount Ida	131.45	42	P	PKPdf	09 35 40.2	+0.9
K49A	Clarkson	131.46	27	P	PKPdf	09 35 39.9	+0.9
G53A	Haliburton	131.49	21	P	PKPdf	09 35 39.5	+0.5
Q44A	Meyer Farm, Va	131.50	34	P	PKPdf	09 35 40.4	+1.2
SFIN	Lafayette	131.50	32	P	PKPdf	09 35 40.4	+1.2
T42A	Van Buren	131.52	38	ePKPdf	PKPdf	09 35 38.9	-0.4
T42A	Van Buren	131.52	38	P	PKPdf	09 35 39.9	+0.6
M47A	Cromwell	131.53	30	P	PKPdf	09 35 39.7	+0.4
SADO	Sadowa	131.60	22	PKP	SKPbc	09 35 39.0	-0.2
SADO	comp=Z,2.6nm,0.4s,baz=122,slow=1.9,SNR=5.1				SKPbc	09 39 01.1	+0.1
V41O	Mountainview	131.64	50	P	PKPdf	09 35 40.9	+1.3
L48A	N Adams	131.66	28	P	PKPdf	09 35 40.3	+0.8
I51A	Listowel	131.68	24	P	PKPdf	09 35 40.3	+0.9
LNIG	Linares	131.71	57	ePKPdf	PKPdf	09 35 40.6	+0.5
AAM	Ann Arbor	131.75	27	PFAKE	LR	09 35 50.0	+1.0
AAM	Ann Arbor	131.75	27	P	PKPdf	09 35 40.5	+0.9
P45A	Graceland, Par	131.77	33	ePKPdf	PKPdf	09 35 40.0	+0.3
P45A	Graceland, Par	131.77	33	P	PKPdf	09 35 40.9	+1.2
S43A	Fulton Ridge,	131.78	37	P	PKPdf	09 35 40.4	+0.6
L49A	Milan	131.84	28	P	PKPdf	09 35 40.0	+0.2
N47A	Urbana	131.85	30	P	PKPdf	09 35 40.3	+0.4
U42A	Reverend	131.86	39	P	PKPdf	09 35 39.7	-0.2
M48A	Edgerton	131.88	29	ePKPdf	PKPdf	09 35 39.8	-0.1
M48A	Edgerton	131.88	29	P	PKPdf	09 35 39.5	-0.4
KVXT	Kingsville	131.88	53	PFAKE	LR	09 35 50.0	+1.0
R44A	Waltonville	131.91	35	P	PKPdf	09 35 40.8	+0.8
W41B	Gary Mavity, V	131.95	41	P	PKPdf	09 35 40.5	+0.3
T43A	Greenville	131.98	37	P	PKPdf	09 35 41.0	+0.8
X40A	Basin Creek Fa	131.98	42	P	PKPdf	09 35 40.2	-0.1
Q45A	Warren Harvey,	131.99	34	P	PKPdf	09 35 40.8	+0.6
P46A	Rosedale	131.99	32	P	PKPdf	09 35 41.0	+0.8
O47A	Sheridan	132.01	31	P	PKPdf	09 35 40.5	+0.2
PBMO	Poplar Bluff	132.09	38	ePKPdf	PKPdf	09 35 40.7	+0.3
V42A	Cord	132.11	39	P	PKPdf	09 35 40.8	+0.3
OLIL	Olney	132.13	34	ePKPdf	PKPdf	09 35 40.6	+0.2
S44A	Carbondale	132.18	36	P	PKPdf	09 35 41.5	+1.0
X41A	Kaden, Bauxite	132.19	41	P	PKPdf	09 35 41.0	+0.3
N48A	Decatur	132.20	30	P	PKPdf	09 35 41.1	+0.6
M49A	Liberty Center	132.24	28	P	PKPdf	09 35 41.2	+0.6
NATX	Nacogdoches	132.26	46	PFAKE	LR	09 35 50.0	+9.1
NATX	Nacogdoches	132.26	46	P	PKPdf	09 35 41.1	+0.3
L50A	Kingsville	132.34	27	P	PKPdf	09 35 41.0	+0.2
R45A	Skylar, Fairri	132.34	35	P	PKPdf	09 35 40.2	-0.6
W42A	Bald Knob	132.36	40	P	PKPdf	09 35 39.5	-1.5
U43A	Rector	132.37	38	P	PKPdf	09 35 39.5	-1.5
Y41A	Eglette Beard	132.49	42	P	PKPdf	09 35 41.5	+0.3
N49A	Columbus Grove	132.57	29	P	PKPdf	09 35 41.6	+0.4
P47A	Martinsville	132.59	32	P	PKPdf	09 35 40.2	-1.0
S45A	Carrier Mills	132.59	35	P	PKPdf	09 35 40.3	-1.1
V43A	Jonesboro	132.66	39	P	PKPdf	09 35 43.0	+1.6
BLO	Bloomington	132.68	32	ePKPdf	PKPdf	09 35 41.8	+0.3
BLO	Bloomington	132.68	32	ePKIKP	PKPdf	09 35 41.8	+0.3
X42A	Stuttgart	132.74	41	P	PKPdf	09 35 42.4	+0.7
H56A	Elgin	132.78	20	P	PKPdf	09 35 43.2	+1.7
Q47A	Bedord North L	132.90	33	P	PKPdf	09 35 42.1	+0.2
W43A	Forest City	133.00	40	P	PKPdf	09 35 43.1	+0.9
T45A	Paducah	133.00	36	P	PKPdf	09 35 43.5	+1.4
U44B	Burton Farm, H	133.03	37	P	PKPdf	09 35 43.5	+1.3
P48A	Milroy	133.05	31	P	PKPdf	09 35 42.5	+0.4

O49A	Covington	133.05	30	ePKPdf	PKPdf	09 35 42.5	+0.3
O49A	Covington	133.05	30	P	PKPdf	09 35 42.7	+0.6
S46A	Don Dixon Farm	133.08	35	P	PKPdf	09 35 43.2	+1.0
N50A	Nevada	133.18	28	P	PKPdf	09 35 42.7	+0.4
M51A	Elyria	133.18	27	P	PKPdf	09 35 43.8	+1.2
X43A	North Vernon	133.24	40	P	PKPdf	09 35 43.7	+1.1
Q48A	North Vernon	133.28	32	P	PKPdf	09 35 43.6	+1.0
Z42A	Jameson, H	133.29	42	P	PKPdf	09 35 44.3	+1.5
LONY	Lake Ozonia	133.29	18	PFAKE	LR	09 35 50.0	+7.5
LONY	comp=Z,2um,20.0s				LR		
LONY	Lake Ozonia	133.29	18	P	PKPdf	09 35 43.5	+1.0
R47A	Wooly Knot Far	133.31	33	P	PKPdf	09 35 43.8	+1.2
P49A	Miami Univ. Ec	133.36	31	P	PKPdf	09 35 43.3	+0.6
T46A	Princeton	133.42	35	P	PKPdf	09 35 43.4	+0.5
N51A	Ashland	133.43	27	P	PKPdf	09 35 43.8	+1.0
O50A	Cable	133.44	29	P	PKPdf	09 35 43.4	+0.5
WCI	Wyandotte Cave	133.49	33	ePKPdf	PKPdf	09 35 43.0	0.0
WCI	Wyandotte Cave	133.49	33	ePKIKP	PKPdf	09 35 43.0	0.0
WCI	Wyandotte Cave	133.49	33	P	PKPdf	09 35 43.5	+0.5
ERPA	Erie	133.50	25	P	PKPdf	09 35 43.7	+0.8
Y43A	Makayla and Ka	133.58	41	P	PKPdf	09 35 44.6	+1.3
R48A	Northridge Ran	133.59	33	P	PKPdf	09 35 44.1	+0.9
S47A	Hartford	133.62	34	P	PKPdf	09 35 44.4	+1.1
Q49A	Aurora	133.66	31	P	PKPdf	09 35 44.1	+0.7
V45A	Humboldt	133.66	38	P	PKPdf	09 35 44.1	+0.7
ACSO	Alum Creek Sta	133.68	29	ePKPdf	PKPdf	09 35 43.6	+0.2
ACSO	Alum Creek Sta	133.68	29	P	PKPdf	09 35 43.9	+0.6
U46A	Springville	133.72	36	P	PKPdf	09 35 44.4	+0.9
X44A	Crenshaw	133.72	40	P	PKPdf	09 35 44.2	+0.7
P50A	Lamestown	133.76	30	P	PKPdf	09 35 44.0	+0.5
Z43A	Armstrong Fami	133.80	42	P	PKPdf	09 35 44.8	+1.1
W45A	Hickory Valley	133.91	38	P	PKPdf	09 35 45.2	+1.3
T47A	Sharon Grove	133.91	35	ePKPdf	PKPdf	09 35 43.7	-0.1
T47A	Sharon Grove	133.91	35	P	PKPdf	09 35 45.2	+1.3
O51A	Patoka	133.93	28	P	PKPdf	09 35 44.1	+0.3
Y44A	Strider, Charl	133.92	40	P	PKPdf	09 35 45.4	+1.3
S48A	Wheeman Farm,	134.03	33	P	PKPdf	09 35 45.2	+1.1
R49A	Shelbyville	134.04	32	P	PKPdf	09 35 44.8	+0.7
WYT	Waverly	134.08	36	ePKPdf	PKPdf	09 35 44.5	+0.4
WYT	Waverly	134.08	36	ePKIKP	PKPdf	09 35 44.5	+0.4
WYT	Waverly	134.08	36	P	PKPdf	09 35 44.9	+0.7
PKME	Peaks-Kenny Pk	134.11	13	PFAKE	LR	09 36 00.0	+16
PKME	Peaks-Kenny Pk	134.11	13	P	PKPdf	09 35 45.0	+1.1
V46A	Holladay	134.13	37	P	PKPdf	09 35 45.0	+0.7
M54A	Oil Creek Stat	134.14	25	ePKPdf	PKPdf	09 35 45.3	+1.2
M54A	Oil Creek Stat	134.14	25	P	PKPdf	09 35 45.5	+0.3
OXF	Oxford	134.19	39	ePKPdf	PKPdf	09 35 45.1	+0.7
OXF	Oxford	134.19	39	ePKIKP	PKPdf	09 35 45.1	+0.7
OXF	Oxford	134.19	39	P	PKPdf	09 35 44.9	+0.5
U47A	Clarksburg	134.19	36	P	PKPdf	09 35 45.3	+0.9
P51A	Williamsport	134.22	29	P	PKPdf	09 35 44.9	+0.5
T48A	Bowling Green	134.23	34	P	PKPdf	09 35 45.3	+0.9
X45A	UM Field Stati	134.25	39	P	PKPdf	09 35 45.6	+1.1
Q50A	Georgetown	134.25	31	P	PKPdf	09 35 45.0	+0.5
O52A	Adamsville	134.31	28	P	PKPdf	09 35 45.0	+0.5
S49A	Springfield	134.35	33	P	PKPdf	09 35 45.4	+0.7
LBNH	Lisbon	134.42	16	P	PKPdf	09 35 45.4	+0.8
W46A	Michie	134.42	38	P	PKPdf	09 35 45.5	+0.7
Q51A	Peebles	134.44	30	P	PKPdf	09 35 45.5	+0.7
N54A	Milone State	134.45	25	P	PKPdf	09 35 45.3	+0.5
V47A	Nunnely	134.47	36	P	PKPdf	09 35 45.6	+0.7
R50A	Perkins	134.50	31	P	PKPdf	09 35 45.6	+0.7
Y45A	Yeager Farm, C	134.51	40	P	PKPdf	09 35 45.7	+0.7
P52A	Corning	134.55	28	P	PKPdf	09 35 45.9	+0.9
U48A	Cassie Pea, Po	134.57	35	P	PKPdf	09 35 46.2	+1.1
X46A	Booneville	134.67	39	P	PKPdf	09 35 46.2	+0.9
144A	Alexander Plac	134.70	42	P	PKPdf	09 35 46.5	+1.0
T49A	Edmonton	134.71	34	ePKPdf	PKPdf	09 35 45.0	-0.3
T49A	Edmonton	134.71	34	P	PKPdf	09 35 46.0	+0.7
Z45A	Winona	134.73	41	P	PKPdf	09 35 46.5	+1.0
W47A	Westpoint	134.82	37	P	PKPdf	09 35 46.5	+0.8
R51A	Hillsboro	134.87	31	P	PKPdf	09 35 46.9	+1.3
244A	Avery, Jackson	134.88	43	P	PKPdf	09 35 46.8	+1.0
VBMS	Richwood	134.89	43	P	PKPdf	09 35 46.6	+0.8
S50A	Richmond	134.91	32	P	PKPdf	09 35 47.0	+1.3
Y46A	Houston	134.94	39	P	PKPdf	09 35 46.3	+0.4
V48A	Smith Brothers	134.94	36	ePKPdf	PKPdf	09 35 45.5	-0.4
V48A	Smith Brothers	134.94	36	P	PKPdf	09 35 46.5	+0

Table with columns: Name, RA, Dec, Az, El, SNR, and other parameters. Includes entries like URZ, Urewera, Kaimai, Rimuhau, etc.

Table with columns: Name, RA, Dec, Az, El, SNR, and other parameters. Includes entries like LEM, SYO, SNA, SNA, SNA, etc.

Table with columns: Name, RA, Dec, Az, El, SNR, and other parameters. Includes entries like ANMO, Albuquerque, HLID, Hailey, etc.

17d 13h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Chengdu, Gaotai, Tiksi, Kuning, etc.

2012 DEC

Table with columns: SLBB, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Yuanshan, Nanbo, ENA, etc.

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

EADA	Adamuz	1.03 274	Pg	Pb	13 35 16.5	-0.4
EADA	Adamuz	22nm,0.4s,SNR=21				
EADA	Adamuz	22nm,0.4s,SNR=21				
EADA	Adamuz	22nm,0.4s,SNR=21				
EGOR	Sierra Gorda,	1.20 214	Pg	Lg	13 35 18.9	-1.0
EGOR	Sierra Gorda,	11nm,0.3s,SNR=7.9				
EBER	Berja	1.25 166	Pg	Pn	13 35 19.8	-0.9
EBER	Berja	24nm,0.4s,SNR=31				
ELGU	Los Guajares,	1.27 193	Pg	Pn	13 35 20.0	-0.9
ELGU	Los Guajares,	1.9nm,0.1s,SNR=7.9				
ENIJ	Nijar	1.42 143	Pg	Pn	13 35 22.3	-0.6
ENIJ	Nijar	22nm,0.3s,SNR=7.9				
ETOB	Tobarra	1.46 68	Pn	Pb	13 35 23.8	-0.4
ETOB	Tobarra	38nm,0.3s,SNR=46				
ETOB	Tobarra	35nm,0.2s,SNR=7.9				
ETOB	Tobarra	25nm,0.4s,SNR=7.9				
ETOB	Tobarra	70nm,0.2s,SNR=15				
HORN	Hornachuelos	1.59 261	P	Sg	13 35 27.8	+0.3
HORN	Hornachuelos	1.59 261	P	Sg	13 35 50.2	+2.1
EMUR	La Murta	1.63 99	Pn	Pb	13 35 26.0	+0.2
EMUR	La Murta	0.2nm,0.1s,SNR=7.9				
EMUR	La Murta	6.8nm,0.3s,SNR=18				
EMUR	La Murta	139nm,0.4s,SNR=15				
EMUR	La Murta	139nm,0.4s,SNR=15				
ESDC	Sonseca Array	1.65 341	Pg	Pb	13 35 28.5	-0.2
ESDC	Sonseca Array	14nm,0.3s,baz=163,slow=18,SNR=80				
ESDC	Sonseca Array	3.1nm,0.3s,baz=238,slow=8.9,SNR=7.8				
ESDC	Sonseca Array	2.5nm,0.3s,baz=159,slow=29,SNR=8.1				
PAB	San Pablo	1.66 330	Pg	Pg	13 35 27.9	-0.9
PAB	San Pablo	29nm,0.1s,SNR=7.9				
PAB	San Pablo	5.7nm,0.3s,SNR=7.9				
PAB	San Pablo	91nm,0.2s,SNR=7.9				
ECAB	EI Cabril	1.69 269	Pn	Pn	13 35 26.1	-0.5
ECAB	EI Cabril	19nm,0.4s,SNR=26				
ECAB	EI Cabril	1.8nm,0.2s,SNR=7.9				
ECAB	EI Cabril	16nm,0.5s,SNR=7.9				
ECAB	EI Cabril	100nm,0.3s,SNR=33				
CART	Cartagena	1.87 105	Pg	Pg	13 35 34.0	+1.2
CART	Cartagena	1.87 105	Pg	Pg	13 35 53.2	+0.4
CART	Cartagena	1.87 105	Pg	Pg	13 35 34.0	+1.2
CART	Cartagena	1.87 105	Pg	Pg	13 35 53.2	+0.4
EMIJ	Mijas	1.95 218	Pn	Pb	13 35 30.1	-0.1
EMIJ	Mijas	1.9nm,0.3s,SNR=7.9				
EMIJ	Mijas	0.7nm,0.2s,SNR=7.9				
EMIJ	Mijas	17nm,0.3s,SNR=10				
ETRV	Los Montesinos	1.98 92	Lg	Lg	13 36 02.6	
ETRV	Los Montesinos	151nm,0.2s,SNR=7.9				
UCM	Universidad Co	2.19 1	eP	Pg	13 35 39.6	+0.6
UCM	Universidad Co	2.19 1	eP	Pg	13 36 07.5	0.0
ECHE	Chera	2.33 50	Pn	Pb	13 35 35.7	+0.3
ECHE	Chera	8.4nm,0.3s,SNR=7.9				
ECHE	Chera	12nm,0.4s,SNR=7.9				
ECHE	Chera	31nm,0.3s,SNR=7.9				
ESPR	Espera	2.40 240	Pg	Lg	13 35 40.4	+0.2
ESPR	Espera	1.2nm,0.2s,SNR=7.9				
ESPR	Espera	7.1nm,0.4s,SNR=4.6				
ESPR	Espera	10nm,0.2s,SNR=7.9				
EJIF	Jimena Fronter	2.41 227	Pg	Pb	13 35 40.4	0.0
EJIF	Jimena Fronter	6.4nm,0.4s,SNR=7.9				
EJIF	Jimena Fronter	11nm,0.4s,SNR=7.9				
EBENZ	Beniarda presa	2.49 76	Lg	Lg	13 36 18.3	
EBENZ	Beniarda presa	65nm,0.5s,SNR=7.9				
GUD	Guadarrama	2.62 345	Pg	Pg	13 35 46.8	-0.3
GUD	Guadarrama	7.6nm,0.3s,SNR=21				
GUD	Guadarrama	20nm,0.2s,SNR=17				
EMIN	Mina Concepcio	2.71 264	Pn	Pn	13 35 40.0	-0.6
EMIN	Mina Concepcio	0.1nm,0.3s,SNR=7.9				
EMIN	Mina Concepcio	4.5nm,0.4s,SNR=8.5				
EMIN	Mina Concepcio	5.1nm,0.6s,SNR=7.9				
EMIN	Mina Concepcio	39nm,0.3s,SNR=5.0				
ETOR	Torete	2.87 19	Pn	Pn	13 35 43.0	+0.2
ETOR	Torete	2.0nm,0.3s,SNR=7.4				
ETOR	Torete	27nm,0.4s,SNR=28				
ETOR	Torete	102nm,0.3s,SNR=6.7				
EPLA	Plasencia	2.93 313	Pn	Pn	13 35 43.6	0.0
EPLA	Plasencia	2.8nm,0.4s,SNR=7.9				
EPLA	Plasencia	11nm,0.4s,SNR=18				
EPLA	Plasencia	29nm,0.4s,SNR=8.4				
EPLA	Plasencia	10nm,0.1s,SNR=6.1				
PBAR	Barrancos	2.97 272	eSg	Sg	13 36 18.8	-1.0
PBAR	Barrancos	2.97 272	eSg	Sg	13 36 30.3	-2.0
PBAR	Barrancos	2.97 272	eSg	Sg	13 36 36.5	-1.0
PBAR	Barrancos	2.97 272	eSg	Sg	13 36 18.8	-1.0
PBAR	Barrancos	2.97 272	eSg	Sg	13 36 30.3	-1.0
EBAD	Badajoz	3.01 284	Pn	Pn	13 35 43.8	-0.8
EBAD	Badajoz	2.6nm,0.5s,SNR=7.8				
EBAD	Badajoz	8.4nm,0.3s,SNR=21				
EBAD	Badajoz	10nm,0.3s,SNR=5.9				
EBAD	Badajoz	67nm,0.2s,SNR=18				
EMOS	Mosqueruela	3.13 43	Pn	Pn	13 35 56.4	+0.3
EMOS	Mosqueruela	2.7nm,0.6s,SNR=7.9				
EMOS	Mosqueruela	13nm,0.4s,SNR=24				
EMOS	Mosqueruela	36nm,0.9s,SNR=7.9				
EMOS	Mosqueruela	15nm,0.3s,SNR=7.9				
EGRO	EI Granado	3.38 262	Pn	Pn	13 35 48.8	-1.0
EGRO	EI Granado	0.3nm,0.4s,SNR=7.9				
EGRO	EI Granado	19nm,0.8s,SNR=7.9				
EGRO	EI Granado	8.4nm,0.2s,SNR=12				
PESTR	Estremoz	3.47 284	ePn	Pn	13 35 51.3	+0.2
PESTR	Estremoz	3.47 284	ePn	Pn	13 36 01.4	-2.0
PESTR	Estremoz	3.47 284	ePn	Pn	13 36 47.1	-1.3
PESTR	Estremoz	3.47 284	ePn	Pn	13 36 56.3	-1.3
PESTR	Estremoz	3.47 284	ePn	Pn	13 35 51.3	-1.4
PESTR	Estremoz	3.47 284	ePn	Pn	13 36 44.4	+3.7
PMRV	Mirv??o	3.48 294	ePn	Pn	13 36 04.7	+1.1
PMRV	Mirv??o	3.48 294	ePn	Pn	13 36 33.9	+1.4
PMRV	Mirv??o	3.48 294	ePn	Pn	13 36 49.4	+0.8
PMRV	Mirv??o	3.48 294	ePn	Pn	13 36 54.1	+0.8
PMRV	Mirv??o	3.48 294	ePn	Pn	13 36 04.7	+1.1
PMRV	Mirv??o	3.48 294	ePn	Pn	13 36 33.9	+1.4
PMRV	Mirv??o	3.48 294	ePn	Pn	13 36 49.4	+0.8
PVAO	Vaqueiros	3.59 260	ePn	Pn	13 35 52.0	-0.7
PVAO	Vaqueiros	3.59 260	ePn	Pn	13 36 33.3	-1.9
PVAO	Vaqueiros	3.59 260	ePn	Pn	13 36 48.2	-1.9

PVAO	Vaqueiros	3.59 260	Pn	Pn	13 36 57.4	
PVAO	Vaqueiros	3.59 260	Pn	Pn	13 36 33.3	-1.9
PVAO	Vaqueiros	3.59 260	Pn	Pn	13 36 48.2	-1.9
PVAO	Vaqueiros	3.59 260	Pn	Pn	13 35 56.7	+4.0
PVAO	Vaqueiros	3.59 260	Pn	Pn	13 36 46.1	+1.9
PBEJ	Beja	3.63 270	eSg	Sg	13 36 53.1	-0.3
PBEJ	Beja	3.63 270	eSg	Sg	13 36 59.1	-0.3
PBEJ	Beja	3.63 270	Lg	Lg	13 36 53.1	
PBEJ	Beja	3.63 270	Lg	Lg	13 36 53.1	
PCBR	Castelo Branco	3.70 299	ePn	Pn	13 36 06.7	-1.2
PCBR	Castelo Branco	3.70 299	ePn	Pn	13 36 37.8	-0.2
PCBR	Castelo Branco	3.70 299	ePn	Pn	13 36 54.4	-1.5
PCBR	Castelo Branco	3.70 299	ePn	Pn	13 37 03.4	-1.5
PCBR	Castelo Branco	3.70 299	Pg	Pg	13 36 06.7	-1.2
PCBR	Castelo Branco	3.70 299	Pg	Pg	13 36 37.8	-0.2
PCBR	Castelo Branco	3.70 299	Pg	Pg	13 36 54.4	-1.5
PCBR	Castelo Branco	3.70 299	Pg	Pg	13 37 03.4	-1.5
EIBI	Ibiza	3.73 74	Pn	Pn	13 35 54.8	+0.1
EIBI	Ibiza	1.9nm,0.3s,SNR=7.9				
EIBI	Ibiza	6.3nm,0.3s,SNR=7.9				
EVO	Evora	3.75 278	eSg	Sg	13 36 58.0	+0.6
EVO	Evora	3.75 278	eSg	Sg	13 37 02.6	+0.6
EVO	Evora	3.75 278	Pg	Pb	13 36 04.8	+1.6
EVO	Evora	3.75 278	Pg	Pb	13 36 54.8	+1.6
EVO	Evora	3.75 278	eP	Pb	13 36 04.8	+1.6
EVO	Evora	3.75 278	eP	Pb	13 36 54.8	+1.6
PBDV	Barranco-do-ve	3.79 258	eSg	Sg	13 36 39.1	-1.2
PBDV	Barranco-do-ve	3.79 258	eSg	Sg	13 36 54.9	+4.8
PBDV	Barranco-do-ve	3.79 258	eSg	Sg	13 36 59.7	+4.8
PBDV	Barranco-do-ve	3.79 258	Lg	Lg	13 36 39.1	-1.2
PBDV	Barranco-do-ve	3.79 258	Lg	Lg	13 36 54.9	+4.8
MESJ	Messejana	3.92 268	eS	Sb	13 36 38.6	-4.6
MESJ	Messejana	3.92 268	eS	Sb	13 36 57.0	+3.4
MESJ	Messejana	3.92 268	eS	Sb	13 37 07.3	+3.4
MESJ	Messejana	3.92 268	eS	Sb	13 36 41.5	-1.7
MESJ	Messejana	3.92 268	eS	Sb	13 36 58.6	+5.0
MESJ	Messejana	3.92 268	eS	Sb	13 37 03.1	-1.7
MESJ	Messejana	3.92 268	Lg	Lg	13 36 41.5	-1.7
MESJ	Messejana	3.92 268	Lg	Lg	13 36 58.6	+5.0
ERTA	Horta de San J	3.98 43	Pg	Pg	13 36 12.4	-0.8
ERTA	Horta de San J	3.98 43	Pg	Pg	13 36 12.4	-0.8
ERTA	Horta de San J	3.98 43	Pg	Pg	13 36 12.4	-0.8
ERTA	Horta de San J	3.98 43	Pg	Pg	13 36 12.4	-0.8
ERTA	Horta de San J	3.98 43	Pg	Pg	13 36 12.4	-0.8
MTE	Manteigas	4.03 306	ePn	Pn	13 36 12.6	-1.5
MTE	Manteigas	4.03 306	ePn	Pn	13 37 04.0	-2.3
MTE	Manteigas	4.03 306	ePn	Pn	13 37 13.1	-1.5
MTE	Manteigas	4.03 306	Pg	Lg	13 36 12.6	-1.5
MTE	Manteigas	4.03 306	Pg	Lg	13 37 04.0	-2.3
MTE	Manteigas	4.03 306	Pg	Lg	13 37 13.1	-1.5
MTE	Manteigas	4.03 306	Pg	Lg	13 36 12.6	-1.5
MTE	Manteigas	4.03 306	Pg	Lg	13 37 04.0	-2.3
MTE	Manteigas	4.03 306	Pg	Lg	13 37 13.1	-1.5
PNCL	Nicolau / 18m,	4.14 272	ePn	Pg	13 36 17.1	+0.8
PNCL	Nicolau / 18m,	4.14 272	ePn	Pg	13 37 07.5	-2.5
PNCL	Nicolau / 18m,	4.14 272	ePn	Pg	13 37 14.4	-2.5
ESAC	San Caprasio	4.20 30	Pg	Pg	13 36 16.5	-0.9
ESAC	San Caprasio	4.20 30	Pg	Pg	13 36 16.5	-0.9
ESAC	San Caprasio	4.20 30	Pg	Pg	13 36 16.5	-0.9
ESAC	San Caprasio	4.20 30	Pg	Pg	13 36 16.5	-0.9
ESAC	San Caprasio	4.20 30	Pg	Pg	13 36 16.5	-0.9
ESAC	San Caprasio	4.20 30	Pg	Pg	13 36 16.5	-0.9
ESAC	San Caprasio	4.20 30	Pg	Pg	13 36 16.5	-0.9
MVO	Moncorvo	4.21 318	ePn	Pn	13 36 02.8	+1.6
MVO	Moncorvo	4.21 318	ePn	Pn	13 36 16.6	+0.9
MVO	Moncorvo	4.21 318	ePn	Pn	13 37 10.9	-1.2
MVO	Moncorvo	4.21 318	ePn	Pn	13 37 16.6	+1.6
MVO	Moncorvo	4.21 318	ePn	Pn	13 36 02.8	+1.6
MVO	Moncorvo	4.21 318	ePn	Pn	13 36 16.6	+0.9
MVO	Moncorvo	4.21 318	ePn	Pn	13 37 10.9	-1.2
MVO	Moncorvo	4.21 318	ePn	Pn	13 37 16.6	+1.6
MVO	Moncorvo	4.21 318	ePn	Pn	13 36 02.8	+1.6
MVO	Moncorvo	4.21 318	ePn	Pn	13 36 16.6	+0.9
MVO	Moncorvo	4.21 318	ePn	Pn	13 37 10.9	-1.2
MVO	Moncorvo	4.21 318	ePn	Pn	13 37 16.6	+1.6
MVO	Moncorvo	4.21 318	ePn	Pn	13 36 02.8	+1.6
MVO	Moncorvo	4.21 318	ePn	Pn	13 36 16.6	+0.9</

mb1 4.0/12, mb1mx3.8/33, mbtmp3.8/12, ML3.8/3, MS3.0/2, M1 3.0/2, ms1mx2.6/31, Error ellipse: s-maj=21.2km s-min=17.4km az=115.0

ISCJB 17:15:27.21.70.5, 37.71N, 0.04:143.74E:0.05, h33km, mb4.0/14, Error ellipse: s-maj=6.5km s-min=4.7km az=36.8

JMA 17:15:27.21.9.0, 2.37:72N:143.68E, h46km, M3.7 NEIC 17:15:27.23.8.0, 5.37:63N:143.85E, h35km, mb4.5/6, Error ellipse: s-maj=10.0km s-min=8.3km az=126.0

ISC 17:15:27.24.1.0, 8.37:75N:143.68E:0.07, h35km, n46, c094/45, mb4.1/14, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations including JIKH, JIO, JJKM, etc.

MEX 17:15:35:49.8-0.5, 15.20N, 93.55W, h71km, gkm, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations including PCIG, THIG, CGIG, etc.

ISK 17:15:38:17.9, 38.74N:43.47E, h5km, ML3.3/13 DDA 17:15:38:18.5, 38.68N:43.54E, h20km, M13.6 AZER 17:15:38:19.4, 1.6, 38.55N:43.56E, h5km, ml3.1/8, Error ellipse: s-maj=13.4km s-min=10.7km az=23.0

ISC 17:15:38:20.1-0.9, 38.70N:0.02:43.49E:0.02, h14km, 6km, n54, c1520/75, 1C-12D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations including VANB, VMUR, ERV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations including HYR, SIFR, NAX, NAX, etc.

IDC 17:15:43:18.2-4.9, 29.66S:178.83W, h0km, mb3.7/2, mb1 3.9/2, mb1mx3.6/25, mbtmp3.7/2, Error ellipse: s-maj=225.1km s-min=17.7km az=165.0, Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations including ASAR, WRA, FINES, etc.

IDC 17:16:06:49.7-1.2, 1.11N:126.26E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.5/29, mbtmp3.6/4, Error ellipse: s-maj=132.0km s-min=21.0km az=68.0

ISCJB 17:16:06:52.8-1.0, 1.57N:0.10:127.18E:0.08, h35km, mb3.5/4, Error ellipse: s-maj=14.0km s-min=10.9km az=13.8

DJA 17:16:07:00.4-0.7, 1.1N:7.12E, h28km, 12km, M4.2/6, mb5.0/1, mb5.8/1, MLV3.7/6, Mw(m)5.1/1

ISC 17:16:06:55.2-1.1, 1.45N:0.09:127.00E:0.08, h35km, n9, c294/12, mb3.5/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations including TINTI, KMSI, SANI, etc.

ROM 17:16:33:15.6-0.2, 44.147N:0.008:8.579E:0.007, h6km, ML2 6/20

LDG 17:16:33:16.5-0.1, 44.09N:8.62E, h9km, Md2 6/1, M12.7/24, Error ellipse: s-maj=2.5km s-min=1.8km az=163.0

GEN 17:16:33:16.6, 44.17N:8.57E, h9km, 2km, M12.4

ISC 17:16:33:16.0-0.9, 44.12N:0.02:8.58E:0.02, h13km, 6km, n62, c1836/106, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations including FINB, QLNO, RORO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations including NEGI, GORR, SAOF, etc.

17d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PGF Pioggia, LMR La Moure, LSD Lago del Serru, etc.

KRNET 17 16:38:58.0±0.1, 39°35'N-71°93'E, mb3.3
NNC 17 16:39:02.3±0.3, 39°41'N-72°16'E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=33.3km s-min=12.2km az=174.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DRK Karamyk, BTK Batken, SFK Sufti-Kurgan, etc.

2012 DEC

Table with columns: AAK, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, KK31 Karatay Array, KBK Karagaybulak, etc.

NIED 17 16:47:00, 38°00'N-143°80'E, h5km, Mw3.5 Best double
couple: M1: 73000±1014 N1: 39000±1014, S41: 00000±,
λ-68.00000°, NP2: 90.00000°, 852.00000°,
λ-108.00000°

ISCJ 17 16:47:31.9±1.2, 37°90'N-144°05'E, h0km, mb3.5/5,
mb1.3/6.7, mb1mx3.5/4.9, mbtmp3.5/7, ML3.5/2, MS2.5/1,
Ms1.2/5.1, ms1mx1.9/3.2, Error ellipse: s-maj=32.6km
s-min=22.0km az=86.0

ISCJ 17 16:47:35.0±0.1, 37°98'N-143°82'E, h38km, M3.6
JMA 17 16:47:37.4±1.1, 38°00'N-143°83'E, h0km, mb3.5, n20,
±0.75/29, mb3.5/5, East coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JIKH Ishinomakikubu, JIO Ouri, JFU Ofunato, etc.

ISCJ 17 16:53:19.6±1.0, 10°6'S-161°16'E, h1, h61km, mb3.6/6,
Error ellipse: s-maj=22.4km s-min=13.5km az=34.9
ISCJ 17 16:53:24.2±4.8, 10°44'S-161°44'E, h82km, 36km, mb3.4/6,

900

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, H1S1 WAKE ISLAND, etc.

ISCJ 17 17:34:55.1±4.4, 3°97'N-133°78'E, h0km, mb3.2/2,
mb1.3/6.7, mb1mx3.2/3.4, mbtmp3.2/2, MS4.4/1, Ms1.4/4.1,
ms1mx2.6/3.6, Error ellipse: s-maj=235.0km
s-min=30.9km az=74.0, Western Caroline Islands

WRA Warramunga Arr 23.77 179 Op ISC h m s ISC
0.5mm, 0.7s, baz=358, slow=11, SNR=6.0
ASAR Alice Springs 27.46 180 P
4.8mm, 0.3s, baz=5.6, slow=10, SNR=2.8

ISCJ 17 17:38:25.5±7.6, 0.16°S-178°90'E, h0km, mb3.4/3,
mb1.3/6.7, mb1mx3.4/4.2, mbtmp3.4/3, Error ellipse:
s-maj=1352.0km s-min=163.4km az=79.0, Fiji Islands

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.

ISCJ 17 17:41:30.6±0.6, 4°10'S-104°44'W, h0km, mb4.5/2.4,
mb1.4/7.2, mb1mx4.6/3.9, mbtmp4.5/2.4, MS5.5/2.1,
Ms1.5/5.2, ms1mx5.3/2.8, Error ellipse: s-maj=17.8km
s-min=11.9km az=57.0

ISCJ 17 17:41:31.1±0.2, 4°09'S-104°03'W, h10km,
mb5.0/2.20, MS5.6/1.58, Error ellipse: s-maj=5.3km
s-min=3.7km az=143.9

MOS 17 17:41:31.1±1.1, 3°98'S-104°45'W, h10km, mb5.2/4.7,
MS5.4/1.8, Error ellipse: s-maj=13.1km s-min=5.7km
az=98.3

NEIC 17 17:41:32.3±0.2, 4°18'S-104°50'W, h10km, mb5.1/2.02,
MS5.6/1.30, MW5.8/MW5.9, Error ellipse: s-maj=6.5km
s-min=4.1km az=63.0, Moment Tensor Solution s69

Moment tensor: Scale 10^17Nm; M=0.24; Mw=0.08;
Mw=0.16; Mw=1.04; Mw=6.75; Mw=0.53; Best double
couple: M5: 80000±1017 N1: 39000±1014, S41: 00000±,
λ-176.00000°, NP2: 90.00000°, 886.00000°,
λ-176.00000°, Principal axes: T 5.580, Plg4.0000°,
Az=136.00000°; N 0.4100, Plg79.00000°, Az=247.00000°;
P -5.9900, Plg10.00000°, Az=45.00000°

NEIC 17 17:41:36.0±0.0, 4°21'S-104°32'W, h19km, Moment Tensor
Solution, s27 Moment tensor: Scale 10^17Nm; M=0.82;
Mw=1.13; Mw=0.31; Mw=0.42; Mw=7.50; Mw=2.82; Best
double couple: M8: 100000±1017 N1: 39000±1014, S41: 00000±,
λ-159.00000°, NP2: 92.00000°, 869.00000°,
λ-6.00000°, Principal axes: T 8.2300, Plg10.00000°,
Az=316.00000°; N -0.3000, Plg68.00000°, Az=198.00000°;
P -7.9400, Plg18.00000°, Az=49.00000°

GCMT 17 17:41:38.3±0.1, 3°96'S-101°104'35'W, h1, h16km,

MW5.9/136, Moment Tensor Solution. s127.c258; s136.c451; Duration: 262 Moment tensor: Scale 10¹⁷ Nm; Mw=0.49±0.07; M_{bb}0.61±0.07; M_{ss}-0.11±0.08; M_{tt}0.61±0.20; M_{bb}9.04±0.07; M_{ss}0.05±0.21; Best double couple: Mw0.06800±0.1017° NP1.9±0.100000°, δ90.00000°, λ4.00000°. NP2.9±1.00000°, δ86.00000°, λ180.00000°. Principal axes: T 9.3180, P1g3.0000°, Azm316.0000°; N -0.5000, P1g96.0000°, Azm92.0000°; P -8.8180, P1g3.0000°, Azm226.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=20s. Triangular moment-rate function
 BU1 17 17:41:39.0, 4.103; 104.40W, 136km, mB5:4/13, M5.5/8/15, M5.7/9

ISC 17 17:41:32.6±0.3, 4.04S, 104.36W, h10km, n817, o135/724, mb5.1/220, MSS.6/160, 6C, Central East

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
TLIG	Tiapa	22.21	15	eP	P	17 46 31.3	+1.7
CMIG	Matias Romero	22.29	24	eP	P	17 46 37.7	0.0
APG	El Apazote	23.40	36	eP	P	17 46 42.9	+0.7
APG	comp=Z,26um,18.8s,baz=184,slow=32				LR	17 53 54.1	
RPN	Rapa Nui	23.44	191	eP	LR	17 53 29.2	
RPN	comp=Z,4um,19.4s,baz=8.0,slow=31				T	18 10 58.4	
CCIG	Comitan	23.53	31	eP	P	17 46 45.4	+2.0
H06S1	SOCORRO T	23.55	344	T	T	18 11 04.0	
H06E1	SOCORRO T-PHASE3.58	23.55	344	T	T	18 11 08.7	
JTS	JuntasAbangare	24.00	53	eP	P	17 46 48.2	+0.4
JTS	JuntasAbangare	24.00	53	eP	P	17 46 48.7	+0.8
JTS	comp=Z,32um,22.0s				LR		
JTS	JuntasAbangare	24.00	53	eP	P	17 46 48.6	+0.8
JTS	comp=Z,20nm,1.1s				pmax		
ESPN	Las Esperanzas	25.65	51	eP	P	17 47 06.5	+3.8
OTAV	Otavallo	26.23	81	eP	P	17 47 09.5	+0.8
OTAV	comp=Z,74nm,1.3s				LR		
OTAV	Otavallo	26.23	81	eP	P	17 47 11.2	+2.6
OTAV	comp=Z,74nm,1.3s				pmax		
OTAV	Otavallo	26.23	81	eP	P	17 47 12.1	+3.4
ZAIG	Zacatecas	26.70	4	eP	P	17 47 14.3	+1.7
BCIP	Isla Barro Col	27.74	62	PFAKE	LR	17 47 30.0	+8.3
NNA	Nana	28.34	108	LR	LR	17 55 42.0	
SOTA	Poblanco	28.40	78	eP	P	17 47 28.1	-0.2
POPC	Popayan, Colom	28.43	77	eP	P	17 47 29.5	+1.4
LPIG	La Paz	28.57	349	LR	LR	17 55 56.5	
PCON	Cinco Dias	28.65	78	eP	P	17 47 30.9	+0.4
YOTC	Yotoco, Valle	29.10	74	eP	P	17 47 33.0	-1.0
MARP	Paez Belalcaza	29.20	77	eP	P	17 47 36.6	+1.5
RREP	El Recreo	30.31	73	eP	P	17 47 48.4	+3.1
PRAC	Prado	30.44	76	eP	P	17 47 46.7	+0.9
RROSC	El Rosal	31.28	74	LR	LR	17 57 05.5	
ROSC	El Rosal	31.28	74	eP	P	17 47 53.9	+0.3
MOTC	Monte Cerv	31.32	66	eP	P	17 47 53.7	+0.2
ZARC	Zaragoza, Cau	31.59	69	eP	P	17 47 58.4	+2.6
PTBC	PUERTO BERRIO,	31.65	71	eP	P	17 47 56.7	+0.3
CHIC	Chingaza	31.79	75	eP	P	17 48 06.4	+8.4
KVXT	Kingsville	32.02	11	PFAKE	LR	17 48 10.0	+11
KVXT	comp=Z,5um,19.0s				LR		
PTCN	Pitcairn Islan	32.39	227	PFAKE	LR	17 48 10.0	+7.2
PTCN	comp=Z,16um,20.0s				LR		
833A	Chaparral WMA,	32.53	8	P	P	17 48 03.0	-0.9
RUSC	La Rusia	32.75	73	eP	P	17 48 06.4	-0.3
SMLC	San Mart'n de	32.78	67	eP	P	17 48 07.6	+1.2
BARC	Barichara	32.87	71	eP	P	17 48 06.8	-0.5
LTX	Lajas	33.19	1	eP	P	17 48 10.1	+0.3
LTX	Lajas	33.19	1	eP	P	17 48 10.1	+0.3
TX31	Lajas Ar. Si	33.19	1	eP	P	17 48 09.8	0.0
TXAR	Lajas Arroy	33.19	1	P	P	17 48 10.1	+0.3
TXAR	comp=Z,4.2nm,1.1s,baz=193,slow=10,SNR=16				LR	17 59 35.6	
MTDJ	Mount Denham	34.48	49	PFAKE	LR	17 48 30.0	+8.8
MTDJ	comp=Z,7um,21.1s,baz=0.0,slow=33				LR		
JCT	Junction City	34.60	7	eP	P	17 48 23.5	+1.5
JCT	comp=Z,28nm,1.1s				LR		
JCT	Junction City	34.60	7	eP	P	17 48 23.5	+1.5
JCT	comp=Z,4um,20.0s				pmax		
JCT	Junction City	34.60	7	eP	P	17 48 23.5	+1.5
JCT	comp=Z,28nm,1.1s				MLR		
JCT	Junction City	34.60	7	eP	P	17 48 22.0	0.0
RKT	Rikitea	35.15	235	eS	S	17 54 04.5	+4.5
RKT	comp=Z,7um,28.2s				eLQ	17 56 21.8	
RKT	comp=Z,7um,34.0s				eLR	17 57 52.9	
RKT	Rikitea	35.15	235	eT	T	18 25 26.4	
335B	Jarrell	35.23	10	P	P	17 48 27.5	+0.2
419A	Douglas	35.53	353	eP	P	17 48 31.3	+1.2
MNTX	Cornudas Mount	35.55	358	eP	P	17 48 30.7	+0.5
MNTX	comp=Z,20nm,1.1s				LR		
MNTX	Cornudas Mount	35.55	358	P	P	17 48 30.1	-0.1
TAOE	Nuku Hiva Isla	35.87	261	eT	T	18 26 14.2	
SDV	Santo Domingo	35.99	69	eP	P	17 48 34.7	+0.3
SDV	comp=Z,28nm,0.8s,baz=260,slow=2,SNR=14				P	17 48 34.1	-0.3
SDV	Santo Domingo	35.99	69	eP	P	17 48 34.1	-0.3
SDV	comp=Z,28nm,0.8s				LR		
SDV	Santo Domingo	35.99	69	eP	P	17 48 33.3	-1.1
WHTX	Lake Whitney,	36.43	10	eP	P	17 48 36.7	-1.0
WHTX	comp=Z,1.44nm,1.8s				P	17 48 36.2	-1.4
121A	Cookes Peak, D	36.52	355	P	P	17 48 39.6	+1.0
TUC	Tucson	36.66	351	eP	P	17 48 39.5	-0.2
TUC	comp=Z,12nm,1.1s				LR		
TUC	Tucson	36.66	351	eP	P	17 48 39.5	-0.2
TUC	comp=Z,10um,19.0s				pmax		
TUC	Tucson	36.66	351	P	P	17 48 40.3	+0.6
TUC	comp=Z,10um,19.0s				MLR		
TUC	Tucson	36.66	351	P	P	17 48 40.3	+0.6
214A	Organ Pipe Nat	36.69	348	P	P	17 48 40.2	+0.3
ABTX	Ablene, Hawle	36.74	7	eP	P	17 48 41.0	+0.7
ABTX	comp=Z,99nm,1.7s				P	17 48 40.2	-0.1
ABTX	Ablene, Hawle	36.74	7	P	P	17 48 40.2	-0.1
NATX	Nacogdoches	36.78	14	PFAKE	LR	17 48 50.0	+9.4
NATX	comp=Z,2um,21.0s				LR		

NATX	Nacogdoches	36.78	14	P	P	17 48 40.5	-0.1
NMNC	Minnye Minnye	37.10	117	eP	P	17 48 43.1	-0.8
PB11	IPOC Station P	37.26	118	eP	P	17 48 45.8	+0.7
GTBY	Guantanamo Bay	37.33	49	PFAKE	LR	17 49 00.0	+15
GTBY	comp=Z,8um,19.0s				LR		
LPAZ	La Paz	37.60	112	P	P	17 48 49.3	+0.7
LPAZ	comp=Z,1.7nm,0.6s,baz=296,slow=6.9,SNR=9.3				LR	18 01 32.7	
LPAZ	La Paz	37.60	112	eP	P	17 48 48.3	-0.2
LPAZ	comp=Z,7um,20.4s,baz=282,slow=32				LR		
LPAZ	La Paz	37.60	112	eP	P	17 48 48.3	-0.2
LPAZ	comp=Z,7.1nm,1.9s				pmax		
LPAZ	La Paz	37.60	112	eP	P	17 48 48.3	-0.2
LPAZ	comp=Z,7.1nm,1.9s				pmax		
GO01	Chusniza	37.63	117	eP	P	17 48 48.6	-0.1
MSTX	Muleshoe	37.84	2	eP	P	17 48 50.0	+0.3
MSTX	comp=Z,37nm,1.1s				P	17 48 49.6	-0.1
PB01	IPOC Station P	37.86	120	eP	P	17 48 51.3	+1.2
346A	Big Creek Wild	37.98	21	P	P	17 48 50.8	-0.1
BNN	Barren Site	38.05	357	eP	P	17 48 53.1	+1.5
LENN	Lemitar	38.08	356	eP	P	17 48 52.8	+0.9
059A	Moore Haven	38.13	35	P	P	17 48 52.0	-0.2
IKP	In-Ko-Pah, Jac	38.16	344	P	P	17 48 53.2	+0.8
GLA	Glamis	38.20	346	eP	P	17 48 52.8	+0.1
GLA	comp=Z,50nm,1.4s				pmax		
GLA	Glamis	38.20	346	eP	P	17 48 52.8	+0.1
GLA	comp=Z,50nm,1.4s				pmax		
GLA	Glamis	38.20	346	P	P	17 48 53.1	+0.4
LAZ	Ladron	38.33	356	eP	P	17 48 55.7	+1.8
BAR	Barrett	38.34	343	eP	P	17 48 54.5	+0.5
SWSC	Sam W. Stewart	38.35	344	P	P	17 48 54.2	+0.3
245A	Little AP, Sta	38.42	20	P	P	17 48 54.7	+0.2
MONP2	Monument Peak	38.47	344	P	P	17 48 55.9	+0.7
Y14A	Wickenburg	38.65	348	eP	P	17 48 57.4	+0.9
BRAL	Brewton	38.71	24	PFAKE	LR	17 49 10.0	+13
BRAL	comp=Z,5um,21.0s				LR		
Y12C	Blythe	38.80	346	eP	P	17 48 58.5	+0.8
Y12C	comp=Z,16nm,1.0s				P	17 48 58.5	+0.8
AMTX	Amarillo	38.80	4	eP	P	17 48 58.7	+0.9
AMTX	comp=Z,7nm,1.2s				P	17 48 58.1	+0.3
ANMO	Albuquerque	38.83	357	P	P	17 48 59.1	+0.9
ANMO	comp=Z,6.9nm,1.1s,baz=173,slow=6.6,SNR=7.1				LR	18 02 10.1	
ANMO	Albuquerque	38.83	357	eP	P	17 48 58.4	+0.2
ANMO	comp=Z,3um,21.6s,baz=184,slow=32				pmax		
ANMO	Albuquerque	38.83	357	eP	P	17 48 58.4	+0.2
ANMO	comp=Z,2.7nm,1.6s				pmax		
ANMO	Albuquerque	38.83	357	P	P	17 48 58.8	+0.6
X16A	Lo Mia Camp, P	38.83	351	eP	P	17 48 59.6	+1.4
DWPF	Disney Wilder	38.85	33	P	P	17 48 57.6	-0.6
247A	Quitman	38.89	22	P	P	17 48 59.6	+1.1
WMOK	Wichita Moun	38.93	7	eP	P	17 48 59.4	+0.6
WMOK	comp=Z,7.7nm,0.9s				LR		
WMOK	Wichita Moun	38.93	7	eP	P	17 48 59.4	+0.6
WMOK	comp=Z,8.0nm,0.9s				pmax		
WMOK	Wichita Moun	38.93	7	P	P	17 48 59.2	+0.4
145A	Houston Renfro	38.93	20	P	P	17 49 00.3	+1.5
BC3	Big Chuckwall	38.93	345	P	P	17 48 59.8	+0.9
LVC	Limon Verde						

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FURC	Furnace Creek, baz=162	41.96	345	P	P	17 49 24.6	+0.8
155A	Kite baz=214	41.97	28	P	P	17 49 22.8	-1.1
DAC	Darwin (Calif) comp=Z,16nm,1.0s	41.98	344	eP	P	17 49 24.3	+0.1
DAC	Darwin (Calif) comp=Z,16nm,1.0s	41.98	344	eP	P	17 49 24.3	+0.1
VES	Vestal, Richgr baz=158	42.01	342	P	P	17 49 25.0	+0.8
PCRV	Puerto La Cruz comp=Z,24nm,1.1s,baz=331,slow=5.2,SNR=3.9	42.01	70	P	P	17 49 26.1	+1.5
Z53A	Monticello baz=212	42.01	26	P	P	17 49 25.3	+1.0
U42A	Reviden	42.01	16	P	P	17 49 25.4	+1.1
V45A	Humboldt baz=200	42.12	19	P	P	17 49 25.6	+0.4
257A	Skidaway Islan baz=216	42.13	30	P	P	17 49 25.8	+0.4
PV05	Paradox Valley Westpoint	42.14	354	eP	P	17 49 26.9	+1.3
W47A	Westpoint	42.14	21	P	P	17 49 26.2	+0.9
PV01	Paradox Valley	42.14	355	eP	P	17 49 23.4	-2.2
X50B	Fort Payne baz=208	42.16	23	P	P	17 49 25.7	+0.2
GOGA	Godafrey	42.17	26	PFAKE	LR	17 49 40.0	+1.4
PV13	Radium Mtn., P comp=Z,29nm,1.1s	42.19	355	eP	P	17 49 27.1	+1.2
SZCU	Shurtz Canyon comp=Z,12nm,1.0s	42.21	350	eP	P	17 49 27.2	+1.0
CCUT	Cedar City comp=Z,19nm,1.0s	42.22	349	eP	P	17 49 28.1	+1.9
PV02	Paradox Valley comp=Z,28nm,1.2s	42.23	355	eP	P	17 49 26.2	-0.1
TPNV	Topopah Spring comp=Z,15nm,0.9s	42.26	346	eP	P	17 49 26.6	+0.1
TPNV	Topopah Spring comp=Z,15nm,0.9s	42.26	346	eP	P	17 49 26.6	+0.1
TPNV	Topopah Spring comp=Z,15nm,0.9s	42.26	346	eP	P	17 49 26.9	+0.4
CWC	Cottonwood Cre baz=162	42.26	343	P	P	17 49 26.8	+0.2
W48A	Pulaski baz=206,SNR=8.9	42.27	21	P	P	17 49 27.1	+0.6
PV18	Skein Mesa, Pa comp=Z,31nm,1.2s	42.28	355	eP	P	17 49 28.2	+1.5
Y52A	L18brn baz=211	42.30	25	P	P	17 49 26.4	-0.2
Z54A	Sparta baz=213	42.30	27	P	P	17 49 26.9	+0.3
PV17	East Wray Mesa comp=Z,30nm,1.2s	42.32	355	eP	P	17 49 27.0	-0.1
PV11	David Mesa, Pa comp=Z,29nm,1.3s	42.33	355	eP	P	17 49 27.7	+0.6
AGUA	GUANDACOL	42.35	131	eP	P	17 49 27.4	+0.1
PV16	Nyswonger Mesa comp=Z,35nm,1.4s	42.35	355	eP	P	17 49 28.1	+0.8
PV19	Morning Glory comp=Z,21nm,1.2s	42.35	355	eP	P	17 49 29.0	+1.7
156A	Sylvania baz=215	42.45	29	P	P	17 49 27.9	0.0
V46A	Holladay baz=204,SNR=8.3	42.46	20	P	P	17 49 28.8	+0.9
Y53A	Monroe baz=212	42.49	26	P	P	17 49 27.8	-0.5
MTPU	Mount Pierson	42.49	351	eP	P	17 49 30.0	+1.3
W49A	Belvidere baz=207	42.50	22	P	P	17 49 29.3	+1.0
U44B	Burton Farm, H baz=202	42.55	18	P	P	17 49 30.0	+1.3
PV09	Paradox Valley	42.56	354	eP	P	17 49 30.4	+1.4
PV22	Blue Mesa, Pa comp=Z,12nm,1.1s	42.56	355	eP	P	17 49 30.1	+1.1
X51A	Calhoun comp=Z,51nm,1.3s	42.57	24	eP	P	17 49 29.4	+0.6
X51A	Calhoun comp=Z,51nm,1.3s	42.57	24	eP	P	17 49 29.5	+0.7
GRAC	Grapevine Rang baz=161,SNR=8.4	42.59	345	P	P	17 49 30.3	+1.3
PBMO	Poplar Bluff comp=Z,72nm,1.3s	42.64	17	eP	P	17 49 30.4	+1.1
V47A	Nunnely baz=205,SNR=7.0	42.68	20	P	P	17 49 29.7	-0.1
T42A	Van Buren comp=Z,106nm,1.8s	42.69	16	eP	P	17 49 30.2	+0.4
T42A	Van Buren baz=200,SNR=9.3	42.69	16	eP	P	17 49 29.8	0.0
SWET	Swanewe	42.72	22	P	P	17 49 32.5	+2.4
PEL	Peidehue comp=Z,25nm,1.2s	42.73	137	eP	P	17 49 29.9	-0.4
PEL	Peidehue comp=Z,29nm,1.1s	42.73	137	eP	P	17 49 29.9	-0.4
PEL	Peidehue	42.73	137	eP	P	17 49 29.9	-0.4
U45A	Rockin P Farm, baz=205	42.74	19	P	P	17 49 30.2	-0.1
Q24A	Divide comp=Z,52nm,1.6s	42.80	359	eP	P	17 49 32.5	+1.5
Q24A	Divide	42.80	359	eP	P	17 49 31.3	+0.2
WVT	Waverly comp=Z,113nm,1.9s	42.85	20	eP	P	17 49 33.4	+2.3
WVT	Waverly baz=205	42.85	20	eP	P	17 49 32.1	+1.0
V48A	Smith Brothers comp=Z,59nm,1.4s	42.85	21	eP	P	17 49 33.5	+2.4
V48A	Smith Brothers baz=206	42.85	21	eP	P	17 49 30.7	-0.4
CBKS	Cedar Bluff comp=Z,135nm,1.7s	42.85	5	eP	LR	17 49 31.1	-0.1
CBKS	Cedar Bluff	42.85	5	eP	LR	17 49 31.1	-0.1
CBKS	Cedar Bluff	42.85	5	eP	LR	17 49 31.1	-0.1
CBKS	Cedar Bluff	42.85	5	eP	LR	17 49 31.1	-0.1
CBKS	Cedar Bluff	42.85	5	eP	LR	17 49 31.1	-0.1
KSCO	Kaye Shedlock comp=Z,29nm,0.9s	42.87	2	eP	P	17 49 32.9	+1.6
Y54A	Tignall baz=213	42.90	27	P	P	17 49 32.0	+0.5
W50A	Signal Mountai comp=Z,22nm,1.1s	42.94	23	eP	P	17 49 32.4	+0.5
W50A	Signal Mountai comp=Z,22nm,1.1s	42.94	23	eP	P	17 49 32.7	+0.8
RTLS	Leonard	42.95	134	eP	P	17 49 31.5	-0.9
MSU	Marysvalle	42.95	351	eP	P	17 49 32.7	+0.5
MSU	Marysvalle	42.95	351	eP	P	17 49 32.7	+0.5
T43A	Greenville baz=201,SNR=6.5	42.96	17	P	P	17 49 32.5	+0.5
X52A	Dahlonega baz=211	43.00	25	P	P	17 49 33.1	+0.8
GO05	Hualaë comp=Z,110nm,1.6s	43.02	140	eP	P	17 49 33.2	+0.6
A41G	Jillico Farms, baz=189,SNR=12	43.05	15	P	P	17 49 33.5	+0.8
SMOG	MOGNA	43.08	133	eP	P	17 49 32.8	-0.4
AUSP	Uspallata	43.12	135	eP	P	17 49 34.7	+1.0
W51A	Cleveland baz=209	43.12	24	P	P	17 49 34.5	+1.2
X53A	Estanolee baz=212	43.17	26	P	P	17 49 34.6	+0.9
T44A	Benton baz=202	43.17	17	P	P	17 49 34.4	+0.7
Q16A	Castle Valley comp=Z,28nm,1.2s	43.20	352	eP	P	17 49 33.9	-0.2
OBIP	Obispo Ponce comp=Z,37nm,1.1s	43.21	58	eP	P	17 49 33.1	-1.2
V49A	McMinnville baz=208	43.21	22	P	P	17 49 33.8	-0.3
PSUT	Pine Spring comp=Z,19nm,0.9s	43.26	349	eP	P	17 49 35.2	+0.6
RTLL	Cerro Villucun	43.29	133	eP	P	17 49 35.4	+0.4
SRU	San Rafael Swe comp=Z,42nm,1.3s	43.31	353	eP	P	17 49 34.7	-0.3
SRU	San Rafael Swe	43.31	353	eP	P	17 49 34.7	-0.3
SRU	San Rafael Swe	43.31	353	eP	P	17 49 34.7	-0.3
U47A	Clarksville baz=205	43.32	20	P	P	17 49 35.4	+0.5

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T45A	Paducah baz=203	43.40	18	P	P	17 49 35.3	-0.2
HODGE	Hodges comp=Z,22nm,1.2s	43.40	27	eP	P	17 49 35.6	+0.1
W52A	Red Feather L comp=Z,63nm,1.4s	43.41	25	eP	P	17 49 38.7	+3.0
W52A	Murphy baz=210	43.41	25	P	P	17 49 36.0	+0.4
V50A	Pikeville	43.44	23	P	P	17 49 36.7	+0.8
R11A	Troy Canyon, C comp=Z,17nm,0.9s	43.44	347	eP	P	17 49 37.5	+1.4
R11A	Troy Canyon, C comp=Z,17nm,0.9s	43.44	347	eP	P	17 49 37.2	+1.1
S42A	Caledonia baz=200,SNR=5.7	43.47	16	P	P	17 49 37.7	+1.6
NHSC	New Hope	43.47	30	PFAKE	LR	17 49 50.0	+1.4
NHSC	New Hope	43.47	30	PFAKE	LR	17 49 50.0	+1.4
CPCT	Cooper Cave comp=Z,65nm,1.6s	43.47	24	eP	P	17 49 39.1	+3.0
S43A	Fulton Ridge, Kansas State U	43.48	17	P	P	17 49 37.5	+1.3
KSU1	Kansas State U	43.52	9	PFAKE	LR	17 49 50.0	+1.4
RTCV	Cerro Valdivia	43.53	134	eP	P	17 49 36.2	-0.6
TMUT	Trail Mountain	43.58	352	eP	P	17 49 39.1	+1.7
MLAC	Mammoth, Mammo	43.59	343	P	P	17 49 37.8	+0.4
CCM	Cathedral Cave	43.62	15	eP	P	17 49 38.2	+0.9
CCM	Cathedral Cave	43.62	15	eP	P	17 49 38.2	+0.9
CCM	Cathedral Cave	43.62	15	eP	P	17 49 38.2	+0.9
CCM	Cathedral Cave	43.62	15	eP	P	17 49 38.2	+0.9
OMMB	Old Mammoth Mi	43.62	343	eP	P	17 49 38.3	+0.6
SJG	San Juan	43.63	58	PFAKE	LR	17 49 50.0	+1.2
SJG	San Juan	43.63	58	PFAKE	LR	17 49 50.0	+1.2
ISCO	Idaho Springs comp=Z,52nm,21.0s	43.64	359	eP	P	17 49 38.0	+0.2
ISCO	Idaho Springs comp=Z,16nm,1.1s	43.64	359	eP	P	17 49 38.0	+0.2
ISCO	Idaho Springs comp=Z,44nm,19.0s	43.64	359	eP	P	17 49 38.0	+0.2
ISCO	Idaho Springs comp=Z,16nm,1.1s	43.64	359	eP	P	17 49 38.0	+0.2
ISCO	Idaho Springs comp=Z,44nm,19.0s	43.64	359	eP	P	17 49 38.0	+0.2
ISCO	Idaho Springs comp=Z,16nm,1.1s	43.64	359	eP	P	17 49 38.0	+0.2
ISCO	Idaho Springs comp=Z,44nm,19.0s	43.64	359	eP	P	17 49 38.0	+0.2
U48A	Cassie Pea, Po baz=206	43.64	21	P	P	17 49 38.6	+1.1
T46A	Princeton	43.66	19	P	P	17 49 38.9	+1.3
P17A	Butcher Ranch, comp=Z,31nm,1.1s	43.70	353	eP	P	17 49 39.7	+1.6
ASAL	Salagasta	43.71	135	eP	P	17 49 38.1	-0.1
BG3	Lake Jocassee comp=Z,65nm,1.3s	43.74	21	eP	P	17 49 39.1	+0.8
FVM	French Village comp=Z,28nm,1.3s	43.77	16	eP	P	17 49 40.9	+2.4
FVM	French Village comp=Z,28nm,1.3s	43.77	16	eP	P	17 49 40.9	+2.4
FVM	French Village comp=Z,28nm,1.3s	43.77	16	eP	P	17 49 40.9	+2.4
FVM	French Village comp=Z,28nm,1.3s	43.77	16	eP	P	17 49 40.9	+2.4
W53A	Cullowhee baz=211	43.79	25	P	P	17 49 39.5	+0.6
R41A	Rosebud	43.81	15	P	P	17 49 39.8	+1.0
S44A	Carbondale baz=202	43.83	17	P	P	17 49 40.3	+1.3
V51A	Loudon	43.85	24	eP	P	17 49 42.3	+3.2
V51A	Loudon	43.85	24	eP	P	17 49 40.6	+1.4
T47A	Sharon Grove comp=Z,101nm,1.9s	43.87	20	eP	P	17 49 41.1	+1.7
T47A	Sharon Grove comp=Z,101nm,1.9s	43.87	20	eP	P	17 49 40.9	+1.5
U49A	Red Boiling Sp baz=207	43.92	22	P	P	17 49 40.1	+0.4
R42A	Luebbering	43.95	15	P	P	17 49 40.4	+0.5
AAGR	Agrelo	43.98	135	eP	P	17 49 40.7	+0.2
S45A	Carrier Mills baz=203	44.02	18	P	P	17 49 40.6	+0.1
PAULI	Pauline comp=Z						

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Table with columns: RND, Reindeer, 75.06 341, eP, P, 17 53 14.6 +0.1, etc. Lists various stations and their coordinates.

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Table with columns: KEV, Kevo, 107.16 16, PFAKE, LR, LR, 18 00 10.0, etc. Lists various stations and their coordinates.

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Table with columns: XAN, Xi'an, 137.01 318, PKP, PKPdf, 18 00 54.5 -2.1, etc. Lists various stations and their coordinates.

IDC 17:47:46:56.7, 8.7, 6.77S, 129.41E, h114km, mb3.4/1, mb1 3.0/3, mb1mx2.9/39, mbtmp3.6/4, Error ellipse: s-maj=206.4km s-min=25.0km az=81.0, Banda Sea

IDC 17:46:20.7 ± 11.0, 3.21S × 104.62W, h0km, mb3.7/4, mb1 4.0/4, mb1mx3.6/40, mbtmp3.7/4, Error ellipse: s-maj=301.5km s-min=146.0km az=135.0, Central East Pacific Rise

MOS 17 17:46:46.3:1.6, 3.8SS:104.10W, h10km, mb5.2/45, Error ellipse: s-maj=11.6km, s-min=6.1km, az=97.4
 NEIC 17 17:46:46.0:2.4, 0.03S:104.18W, h10km, mb5.1/159, MW5.7, Error ellipse: s-maj=7.7km, s-min=4.1km, az=64.0, Moment Tensor Solution. s13 Moment tensor: Scale 1017Nm; Mrr:0.36; Mth:1.34; Mtt:0.98; Mtr:1.02; Mts:3.43; Mtr:0.74; Best double couple: M0.900000x1017 NP1: 0s172.000000, 879.000000, -1.169.000000. NP2: 0s80.000000, 879.000000, -1.11.000000. Principal axes: T 3.4400, P1g0.0000, Azm306.0000; N 0.7100, P1g74.0000, Azm215.0000; P -4.1600, P1g16.0000, Azm336.0000

ISCJJB 17 17:46:47.0:0.2, 3.96S:104.07W, h10km, mb4.9/177, MS5.0/1 Error ellipse: s-maj=6.4km, s-min=3.4km, az=147.0

GCMT 17 17:46:50.6:0.2, 3.98S:104.23W, h10km, mb2.1/100, Moment Tensor Solution. s69, c109; s128, c321; Duration: 1s8 Moment tensor: Scale 1017 Nm; Mrr:-0.07±.11; Mth:0.75±.09; Mtt:0.67±.10; Mtr:0.86±.20; Mts:0.04±.09; Mtr:0.7±.19; Best double couple: M0.521100x1017 NP1: 0s273.000000, 883.000000, -1.173.000000. NP2: 0s5.000000, 880.000000, -1.173.000000. Principal axes: T 5.1330, P1g2.0000, Azm319.0000; N 0.1570, P1g270.0000, Azm59.0000; P -5.2890, P1g12.0000, Azm229.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

ISC 17 17:46:48.5:0.4, 3.99S:104.06W, h18km, mb4.7/177, 10C, Central East Pacific Rise, n474, r159/463, mb5.0/177, 10C, Central East Pacific Rise

Code	Station Name	15° AZ	Op	ISC	h m s	Res	ISC
PAYG	Puerto Ayora	14.17	Op	P	17 51 06.1	+1.8	
CMIG	Mafias Romero	22.82	P	P	17 51 51.0	+0.3	
APG	El Apazote	23.19	P	P	17 51 55.7	+1.0	
CCIG	Comitan	23.34	Op	P	17 51 58.0	+1.8	
CSGN	Cosiguina Volc	23.50	Op	P	17 52 00.1	+2.3	
RPN	Rapa Nui	23.55	192 T	T	18 16 11.6		
H06S1	SOCORRO T	23.58	343 T	T	18 16 18.9		
H06E1	SOCORRO T-PHASE2	3.62	344 T	T	18 16 24.7		
JTS	JuntasAbangare	23.73	53 P	P	17 52 00.8	+0.8	
JTS	JuntasAbangare	23.73	53 P	P	17 52 01.5	+1.6	
JTS	JuntasAbangare	23.73	53cP	P	17 52 01.5	+1.6	
JTS	JuntasAbangare	23.73	53cP	Pmax			
YGUW	Tegucigalpa, Un	24.47	43 P	P	17 52 08.8	+2.1	
ESPN	Las Esperanzas	25.39	50 P	P	17 52 15.5	+0.5	
OTAV	Otavalo	25.93	81 P	P	17 52 22.2	+1.6	
OTAV	Otavalo	25.93	81cP	Pmax			
NNA	Nana	28.07	108 P	P	17 52 39.2	-0.2	
NNA	Nana	28.07	108 P	P	17 52 39.2	-0.2	
NNA	Nana	28.07	108cP	Pmax			
NNA	Nana	28.07	108cP	Pmax			
SOTA	Rioblanco	28.10	78 P	P	17 52 38.6	-1.6	
POPC	Popayan, Colom	28.12	77 P	P	17 52 39.9	-0.2	
PCON	Cinco Dias	28.35	78 P	P	17 52 43.5	+1.1	
YOTC	Yotoco, Valle	28.80	74 P	P	17 52 45.7	+0.3	
MARF	Paez Balcaza	31.48	75 P	P	17 52 53.7	+1.7	
RREF	El Rector	30.01	73 P	P	17 52 53.7	+1.7	
PRAC	Prado	30.14	76 P	P	17 52 59.0	+1.3	
MOTC	Monteria, Cord	31.02	66 P	P	17 53 06.8	+1.4	
ZARC	Zaragoza, Cauc	31.29	69 P	P	17 53 08.4	+0.5	
VILC	Villavicencio,	31.39	75 P	P	17 53 10.9	+1.7	
CHIC	Chingaza	31.48	75 P	P	17 53 12.7	+2.6	
RUSC	La Rusia	32.45	73 P	P	17 53 19.2	+0.6	
SMLC	San Marín de	32.49	67 P	P	17 53 18.0	-0.3	
BARC	Barichara	32.57	71 P	P	17 53 20.8	+1.4	
GIRC	Giron, Santand	32.71	70 P	P	17 53 21.2	+0.7	
TXAR	Lajas Array	33.14	1 P	P	17 53 24.5	+0.6	
LTX	Lajas	33.14	1 P	P	17 53 24.5	+0.5	
LTX	Lajas	33.14	1 P	P	17 53 24.5	+0.5	
TX31	Lajas Ar. Si	33.14	1 P	P	17 53 24.5	+0.4	
PAMC	Pampolona, Colo	33.26	70 P	P	17 53 25.9	+0.2	
JCT	Junction City	34.52	6 P	P	17 53 35.2	-0.7	
JCT	Junction City	34.52	6 P	Pmax			
JCT	Junction City	34.52	6 P	P	17 53 37.7	+1.8	
RKT	Rikitea	35.42	235 eLQ	LQ	18 01 43.7		
RKT	Rikitea	35.42	235 eLR	LR	18 03 14.0		
RKT	Rikitea	35.42	235 eT	T	18 30 41.9		
MNTX	Cornudas Mount	35.52	358 P	P	17 53 45.7	+1.3	
319A	Douglas	35.52	352 P	P	17 53 44.3	-0.4	
SDV	Santo Domingo	35.70	69 P	P	17 53 45.9	-0.5	
SDV	Santo Domingo	35.70	69 P	P	17 53 47.1	+0.6	
SDV	Santo Domingo	35.70	69 P	P	17 53 46.7	+0.2	
TAOE	Nuku Hiva Isla	36.17	261 P	T	18 31 38.5		
WHTX	Lake Whitney	36.33	9 P	P	17 53 52.5	+1.1	
WHTX	Lake Whitney	36.33	9 P	P	17 53 53.8	+2.3	
121A	Cookes Peak, D	36.50	355 P	P	17 53 54.5	+1.5	
ABTX	Abilene, Hawle	36.66	6 P	P	17 53 54.9	+0.7	
ABTX	Abilene, Hawle	36.66	6 P	P	17 53 56.4	+2.1	
TUC	Tucson	36.66	350 P	P	17 53 54.6	+0.2	
TUC	Tucson	36.66	350 P	Pmax			
TUC	Tucson	36.66	350 P	P	17 53 56.1	+1.8	
214A	Organ Pipe Nat	36.71	348 P	P	17 53 54.2	-0.5	
MNMC	Minye Minye	36.85	117 P	P	17 53 56.5	+0.1	
PB11	IPOC Station P	37.02	118 P	P	17 53 58.9	+1.3	
LPAZ	La Paz	37.34	112 P	P	17 54 01.6	+0.7	
LPAZ	La Paz	37.34	112 P	P	17 54 02.4	+1.5	
LPAZ	La Paz	37.34	112 P	Pmax			
GO01	Chusmiza	37.39	117 P	P	17 54 03.1	+1.9	
PB01	IPOC Station P	37.62	120 P	P	17 54 03.5	+0.7	
MSTX	Muleshoe	37.78	2 P	P	17 54 03.8	-0.1	
MSTX	Muleshoe	37.78	2 P	P	17 54 06.2	+2.3	
BNM	Barren Site	38.02	357 P	P	17 54 05.9	-0.1	
LENM	Lemitar	38.05	356 P	P	17 54 06.0	-0.2	
LAZ	Ladron	38.38	348 P	P	17 54 08.0	+0.5	
Y14A	Wickenburg	38.66	348 P	P	17 54 10.7	+0.5	
LVC	Limon Verde	38.72	122 P	P	17 54 13.1	+0.8	
LVC	Limon Verde	38.72	122cP	Pmax			
LVC	Limon Verde	38.72	122cP	Pmax			

Code	Station Name	15° AZ	Op	ISC	h m s	Res	ISC
AMTX	Amarillo	38.73	3 P	P	17 54 12.1	+0.3	
AMTX	Amarillo	38.73	3 P	P	17 54 13.9	+2.1	
AMTX	Albuquerque	38.80	357 P	P	17 54 13.9	+1.4	
ANMO	Albuquerque	38.80	357cP	Pmax			
ANMO	Albuquerque	38.80	357cP	Pmax			
ANMO	Albuquerque	38.80	357 P	P	17 54 14.7	+2.2	
Y12C	Blythe	38.82	346 P	P	17 54 13.7	+1.2	
X16A	Lo Mia Camp, P	38.83	350 P	P	17 54 13.7	+0.9	
WMOK	Wichita Mounta	38.84	7 P	P	17 54 14.4	+1.7	
WMOK	Wichita Mounta	38.84	7 P	Pmax			
WMOK	Wichita Mounta	38.84	7 P	Pmax			
BC3	Big Chuckawall	38.96	345 P	P	17 54 13.9	+0.1	
TPFO	Pinon Flats	39.19	344 P	P	17 54 14.7	-1.0	
XPFO	Pizon Flat	39.19	344 P	P	17 54 14.3	-1.5	
PFO	Pinyon Flats O	39.20	344 P	P	17 54 14.7	-1.1	
PFO	Pinyon Flats O	39.20	344 P	Pmax			
PFO	Pinyon Flats O	39.20	344 P	Pmax			
249A	Mina Guanaco	39.23	126 P	P	17 54 18.1	+1.6	
X37A	Clayton	39.24	11 P	P	17 54 15.5	-0.5	
W18A	Petrified Fore	39.27	353 P	P	17 54 14.9	-1.5	
W18A	Petrified Fore	39.27	353 P	P	17 54 17.8	+1.4	
IRM	Iron Mountain	39.36	345 P	P	17 54 17.0	0.0	
BELC	Belle Mtn. Jos	39.44	344 P	P	17 54 17.9	+0.1	
MIAR	Mount Ida	39.58	14 P	P	17 54 18.8	-0.1	
MIAR	Mount Ida	39.58	14 P	Pmax			
MIAR	Mount Ida	39.58	14 P	Pmax			
NEE2	Needles Airpor	39.81	346 P	P	17 54 22.3	+1.5	
GO03	Coplap	39.88	130 P	P	17 54 20.7	-0.8	
WUAZ	Wupatki	39.90	351 P	P	17 54 21.5	-0.1	
WUAZ	Wupatki	39.90	351 P	P	17 54 23.0	+1.3	
353A	Camilla	39.91	27 P	P	17 54 23.2	+0.7	
149A	Jones	39.91	23 P	P	17 54 23.2	+1.6	
W13A	Hualapai Mount	39.97	347 P	P	17 54 22.1	-0.2	
GMRC	Granite Mounta	40.09	345 P	P	17 54 23.5	+0.3	
BFSC	Mount Baldy Ra	40.13	342 P	P	17 54 25.7	+2.1	
W39A	Magazine	40.16	13 P	P	17 54 22.6	-1.0	
W39A	Magazine	40.16	13 P	P	17 54 23.7	+0.1	
150A	Eclectic	40.22	24 P	P	17 54 24.7	+0.5	
LDFC	Landfair	40.23	346 P	P	17 54 24.8	+0.4	
LCO	Las Campanas	40.25	132 P	P	17 54 24.8	-0.1	
LCO	Las Campanas	40.25	132cP	P	17 54 26.6	+1.7	
HEC	Hector, Ludlow	40.31	344 P	P	17 54 25.0	0.0	
248A	Northport	40.31	22 P	P	17 54 24.8	-0.1	
Y46A	Houston	40.31	20 P	P	17 54 24.8	-0.2	
151A	Opelika	40.44	25 P	P	17 54 25.9	-0.1	
W41B	Gary Mavity, V	40.51	15 P	P	17 54 26.8	+0.3	
W41B	Gary Mavity, V	40.51	15 P	P	17 54 26.8	+0.3	
249A	Columbiana	40.54	23 P	P	17 54 27.7	+0.9	
WHAR	Woolly Hollow	40.61	15 P	P	17 54 27.2	-0.1	
Y47A	UCPARC, Winfie	40.68	21 P	P	17 54 27.9	-0.1	
TUQ	Turquoise Moun	40.77	345 P	P	17 54 30.4	+1.5	
GO04	Tololo Observa	40.80	133 P	P	17 54 29.9	+0.5	
152A	Waverly Hall	40.82	25 P	P	17 54 29.1	0.0	
152A	Waverly Hall	40.82	25 P	P	17 54 28.8	-0.3	
EDW2	Edwards Air Fo	40.83	342 P	P	17 54 28.7	-0.6	
Z50A	Ashland	40.83	24 P	P	17 54 29.3	+0.1	
GSC	Goldstone, Pa	40.88	344 P	P	17 54 30.4	+0.7	
GSC	Goldstone, Pa	40.88	344 P	Pmax			
GSC	Goldstone, Pa	40.88	344 P	Pmax			
T25A	Trinidad	40.92	360 P	P	17 54 30.8	+0.7	
Y48A	Jasper	40.94	22 P	P	17 54 31.7	+1.6	
U15A	North Rim	40.94	350 P	P	17		

17d 17h

Table with columns for station name, frequency, power, and other technical details. Includes stations like AAGR Agrelo, SIV San Ignacio, PAULI Pauline, etc.

2012 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like M02C Callahan, YBH Yreka Blue Hor, YMR Madison River, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like VNDA Vanda, VNA3 Neumayer Olymp, VNA2 Neumayer-Stat, etc.

17d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for stations like Pkithan, Koldanda, Dangsing, Wadi Sarin, etc.

IDC 17 18:30:54.0.1.0.43.96N.149.22E, h0km, mb3.8/12, mb1.3/9.14, mb1mx3.7/46, mbtmp3.7/9, ML3.6/1, Error ellipse: s-maj=26.9km s-min=22.6km az=73.0

ISC/JB 17 18:27:13.9.0.6.29.7N.0.1.70.21E.0.07.433km, mb3.5/8, Error ellipse: s-maj=14.9km s-min=8.3km az=132.1

ISC 17 18:27:16.2.0.8.29.7N.0.1.70.20E.0.09.435km, n18, c073/18, mb3.5/8, Pakistan

IDC 17 18:30:54.0.1.0.43.96N.149.22E, h0km, mb3.8/12, mb1.3/9.14, mb1mx3.7/46, mbtmp3.7/9, ML2.72, MS4.4/1, Ms1.4/1, ms1mx3.4/50, Error ellipse: s-maj=27.4km s-min=19.2km az=93.0

ISC/JB 17 18:30:54.8.1.5.43.99N.0.05.149.35E.0.05, h23km, 1.1km, mb4.1/20, MS4.4/1, Error ellipse: s-maj=9.1km s-min=5.8km az=160.7

SKHL 17 18:30:55.4.0.7.43.91N.149.51E, h45km, 5km, mb4.2/5, JMA 17 18:30:57.6.0.6.44.21N.149.23E, h30km, M3.7, NEIC 17 18:30:57.2.0.43.97N.149.35E, h27km, 14km, mb4.8/8, Error ellipse: s-maj=10.1km s-min=6.1km az=133.0

MOS 17 18:30:57.1.0.8.43.91N.149.25E, h37km, mb4.3/9, Error ellipse: s-maj=12.3km s-min=10.7km az=28.6

ISC 17 18:30:56.9.3.8.43.88N.0.08.149.34E.0.07, h25km, 27km, n73, c1812/77, mb4.2/20, 3C, East of Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for stations like Kuril'sk, Warramunga Arr, etc.

2012 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for stations like GLVR, JRA, JNK, JAK, etc.

NIED 17 18:46:00.36.90N.141.30E, h5km, Mw4.7 Best double couple: M1.090000+1016 NPT10040.00000+848.00000, 1-61.000000, NP200181.00000, 849.00000, A-118.00000

BUI 17 18:46:07.8.36.33N.141.25E, h22km, mb4.7/31, mb4.9/7, Ms5.0/5, Ms7.4/9/5

IDC 17 18:46:08.5.0.4.36.86N.141.13E, h0km, mb4.6/25, mb1.4/7.31, mb1mx4.6/43, mbtmp4.6/31, ML3.4/5, MS4.1/5, Ms1.4/1.5, ms1mx3.7/50, Error ellipse: s-maj=13.5km s-min=10.3km az=99.0

JMA Fell II J1, ISC/JB 17 18:46:10.5.0.6.36.84N.0.02.141.28E.0.03, h25km, 3km, mb4.8/15, MS4.1/2, Error ellipse: s-maj=4.8km s-min=3.4km az=25.5

MOS 17 18:46:12.1.1.36.92N.141.14E, h33km, mb5.0/57, Error ellipse: s-maj=8.1km s-min=5.3km az=117.1

NEIC 17 18:46:12.7.1.36.84N.141.18E, h27km, 9km, mb4.9/64, Error ellipse: s-maj=4.5km s-min=3.4km az=133.0

NEIC Recorded [2 JMA] in Fukushima and Miyagi, ISC 17 18:46:10.5.2.2.36.88N.0.03.141.25E.0.04, h15km, 14km, n328, c1810/341, mb4.8/119, 26C-12D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for stations like ONAJ, JFK, JFFD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for stations like JFY, ISUMI, MJAR, MAJ, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like KELT Kelkit, SUSE Susehri, REFA Refahiye_ERZ, KEMA Kemaliye, etc.

NEIC 17 19:16:59.0-0.6, 45.25N-106.91W, h0km, ML2.5, Error ellipse: s-maj=10.8km s-min=8.3km az=146.0, Suspected Mining explosion.

NEIC 50 km [31 miles] N of Sheridan, IDC 17 19:16:58.8-1.2, 44.71N-106.50W, h0km, mb1 3.6/2, mb1mx3.2/47, mbtmp3.4/2, ML3.2/2, Error ellipse: s-maj=65.0km s-min=8.5km az=139.0

ISC 17 19:16:56.5-1.0, 45.01N-106.82W, h0km, n9, c0718, Montana

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like LAO LASA Array, RLMT Red Lodge, PDSR Black Hills, etc.

JMA 17 19:18:09.6-0.1, 37.95N-143.43E, h39km, M3.2, IDC 17 19:18:14.6-0.3, 37.95N-142.99E, h0km, mb3.2/3, mb1 3.4/4, mb1mx3.2/41, mbtmp3.1/4, ML3.0/1, Error ellipse: s-maj=42.2km s-min=31.8km az=123.0

ISC 17 19:18:15.3-1.3, 38.03N-107.142.95E, h0km, n15, c1530/24, mb3.5/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JJKM Kesenumamotoy, etc.

ISCJBJ 17 19:26:10.8-0.3, 38.14N-102.335W, h13km, Error ellipse: s-maj=2.7km s-min=1.8km az=7.2

CNRM 17 19:26:12.3, 37.98N-3.29W, h0km, ML3.5, IIGL 17 19:26:12.6, 38.06N-3.29W, h0km, ML2.9

INMG 17 19:26:13.6-1.6, 38.07N-3.27W, h3km, ML2.8, Error ellipse: s-maj=1.8km s-min=1.5km az=70.0

MDD 17 19:26:13.5-0.2, 38.05N-3.28W, h3km, 1km, mblg2.8/33, Error ellipse: s-maj=2.9km s-min=2.0km az=18.0, PAXIMO

MDD EMS: III-H INTENSIDAD MAXIMA

SFS 17 19:26:13.0, 38.06N-3.27W, ML2.4, SABIOTE (JAEN) LDG 17 19:26:13.5-0.1, 38.02N-3.28W, h2km, ML2.6/3, Error ellipse: s-maj=2.2km s-min=1.8km az=142.0

ISC 17 19:26:12.5-0.7, 38.05N-102.324W, h13km, n92, c1568/124, 1D, Spain

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like EQES Quesada, SESP Santiago Espad, GORA Gorafe, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like PAB San Pablo, CAB Cartagena, CART Cartagena, EMIJ Mijas, ETRV Los Montesinos, UCM Universidad Co, ECHC Chera, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like PTOM Tomar, MORF Marlete, MORF Marlete, MORF Marlete, MORF Marlete, etc.

IDC 17 19:26:58.5-2.1, 1.04N-126.43E, h0km, mb3.1/3, mb1 3.3/3, mb1mx3.1/24, mbtmp3.1/3, Error ellipse: s-maj=181.6km s-min=26.5km az=65.0, Northern Molucca Sea

Code Station Name Az, Phase ID, Time Res, ISC. Includes stations like WRA Warramunga Arr, etc.

ASAR Alice Springs 25.61 164 P P 19 32 30.8 +1.0

MKAR Makanchi Array 59.60 326 P P 19 37 04.2 -0.1

ISCJBJ 17 19:43:05.0-0.4, 5.44S-132.22E, h33km, mb3.9/6, Error ellipse: s-maj=7.6km s-min=4.5km az=5.2

NEIC 17 19:43:08.5-1.0, 5.48S-132.25E, h46km, 10km, mb4.4/2, Error ellipse: s-maj=13.5km s-min=7.6km az=72.0

IDC 17 19:43:09.4-2.9, 5.42S-132.05E, h47km, 28km, mb3.7/6, mb1 3.8/7, mb1mx3.6/28, mbtmp4.0/7, ML4.8/3, Error ellipse: s-maj=32.5km s-min=16.5km az=77.0

DJA 17 19:43:13.6-0.4, 5.5-132.22E, h46km, 25km, ML4.7/8, mb4.6/7, mb5.3/3, MLV4.7/8, MW(MB)4.7/3

ISC 17 19:43:07.6-0.6, 5.44S-132.12E, h35km, n36, c1988/40, mb3.9/6, Aur Islands region

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

Table with columns: STKA, CMAR, SONAO, SONMO, MK01, MK31, MK32, MKAR, MKAR, MKAR, ZALV, ZALV, ZAA1, VANDA. Includes station names, coordinates, and status.

ISCJB 17 19:46:21.9, 0.0, 67.56N, 166.7W, 0.1, h10km, mb3.8/5, MS3.3/1, Error ellipse: s-maj=8.1km s-min=6.2km az=25.0

NEIC 17 19:46:24.6, 0.0, 67.52N, 166.56W, h16km, ML3.6(AEIC), After AEIC. IDC 17 19:46:24.9, 2.7, 67.96N, 166.69W, h0km, mb3.7/5, mb1 3.9/7, mb1mx3.5/38, mbtmp3.8/7, ML3.8/2, MS3.4/1, Ms1 3.4/1, ms1mx2.7/46, Error ellipse: s-maj=76.4km s-min=17.2km az=19.0

ISC 17 19:46:24.4, 0.0, 67.56N, 166.34W, 0.07, h10km, n29, s251/31, mb3.8/5, Bering Strait

Main table for 911 section with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RDOG, ANM, IM3, COLD, PS01, BPAW, CAST, MDM, TRF, SVW2, MCK, FYU, BM3, IL1, ILAR, ILAR, ILAR, ILB, SUA, INK, INK, YKA, YKBS, RES, ZAA1, ZALV, FIAO, FINES, KURK, MK32, MKAR, AKASG.

IDC 17 20:08:46.3, 15.0, 28.66S, 179.36W, h513km, 128km, mb2.9/3, mb1 3.1/4, mb1mx2.9/35, mbtmp3.9/4, Error ellipse: s-maj=170.2km s-min=57.2km az=128.0, Kermadec Islands region

Table for Kermadec Islands region with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM, STKA, ASAR, WRA, AKASG.

JMA 17 20:15:05.7, 0.1, 24.17N, 122.82E, h58km, 3km, M2.2 TAP 17 20:15:05.9, 24.10N, 122.85E, h47km, ML3.0, C ISC 17 20:15:02.7, 1.1, 23.89N, 122.81E, 0.02, h18km, 7km, n84, c091/119, 2D, Taiwan region

Main table for 911 section (continued) with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JYNG, YOJ, EOA1, EOA1, HATJ, IRIF, IRIF, NANB, NANB, ENLB, ENLB, ENA, ENA, TWD, TWD, TWC, TWC, JKRS, JKRS, NACB, NACB, EGS, ESL, EGFH, JIJ, NTC, TWE, TWE, HGSD, HGSD.

Main table for 2012 DEC section with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ENTT, ENTT, NNSB, EHY, EHY, NNS, WHF, WHF, YULB, YULB, NNLW, NNLW, TWF1, TWF1, TWF1, CHGB, CHGB, YHNB, YHNB, JISG, JISG, WJSD, WJSD, WYWT, WYWT, TWT, TWT, NSK, NSK, NSK, CHKT, CHKT, TDCB, TDCB, TWA, TWA, TATO, TATO, YM07, YM07, YM01, YM01, YM11, YM11, YM10, YM10, YM05, YM05, YM04, YM04, TWS1, TWS1, YUS, YUS, ELDTW, ELDTW, TYC, TYC, LIOB, LIOB, NNSTT, NNSTT, NNSTT, JTJ, JTJ, ALS, ALS, WJS, WJS, TWGBT, TWGBT, TWQ1, TWQ1, TWQ1, TWQ1, NSY, NSY, WNT, WNT, NMLH, NMLH, TCU, TCU, CHN5, CHN5, WGK, WGK, TPUB, TPUB, WDLH, WDLH, CHN4, CHN4, CHN4, WTP, WTP, ECLT, ECLT, SGLT, SGLT, SGST, SGST, CHN1, CHN1, TWK, TWK, RLNB, RLNB, RLNB, SSD, SSD, JIRB, JIRB, EAST, EAST, MASB, MASB, SCZT, SCZT, TWKBT, TWKBT, PHUB, PHUB, PNC, PNC, VNG, VNG, PTMZ, PTMZ.

IDC 17 20:16:27.7, 2.2, 1.89N, 127.38E, h0km, mb3.3/3, mb1 3.5/3, mb1mx3.2/37, mbtmp3.3/3, Error ellipse:

Main table for 17d 20h section with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, ISCJB, IGIL, LDG, INMG, MDD, MDD, EQES, EQES, SESP, SESP, SESP, GORA, GORA, EQU, EQU, EADA, EADA, EADA, EGOR, EGOR, EGOR, EBER, EBER, ELGU, ELGU, ELGU, ENJ, ENJ, ETOB, ETOB, ETOB, HORN, HORN, EMUR, EMUR, EMUR, ECAB, ECAB, ECAB, ESDC, ESDC, ESDC, PAB, PAB, PAB, CART, CART, CART, EMIJ, EMIJ, EMIJ, ETRV, ETRV, UCM, UCM, UCM, ESPR, ESPR, EJIF, EJIF, EJIF, ECHE, ECHE, ECHE, EBENZ, EBENZ, GUD, GUD, GUD, EMIN, EMIN, EMIN, EPLA, EPLA, EPLA, PBAR, PBAR, PBAR, PBAR, EBAD, EBAD, EBAD, EMOB, EMOB, EMOB, EGRO, EGRO, EGRO, EGRO, PESTR, PESTR, PESTR, PMRV, PMRV, PMRV.

17d 21h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PMRV, PVAQ, PBEJ, PCBR, EIBI, EVO, ERTA, MTE, PNCL, MVO, PTOM, MORF, PTEO, PVIS, PCAS, PBRG, ECAL, POLO, IELO, ELAN, ETSF, SJPF, EPF, KRNET.

2012 DEC

Table with columns: SFK, Suft-Kurgan, SFK, ARSB, ARSB, AML, UCH, UCH. Includes station names and coordinates.

SOME 17 20:47:21.2, 42:50N, 80:62E, h0km, Kyrgyzstan-Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like UZB, UZB, UZB, SATY, SATY, DJR, KOTS, KOTS, KAPS, KAPS.

17 20:48:43.2±1.8, 43:38S, 152:22E, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.5/36, mbtmp3.7/4, MS3.5/2, Ms1 3.5/2, ms1mx2.6/34, Error ellipse: s-maj=90.5km s-min=28.7km az=124.0, New Britain region

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

17 20:52:49.6±0.6, 50:21N, 10:03E, h0km, Error ellipse: s-maj=5.1km s-min=2.6km az=19.1 IPEC 17 20:52:50.7±0.1, 50:21N, 19:28E, h0km, 1km, ML 1.9/3, Error ellipse: s-maj=1.6km s-min=0.7km az=180.0

17 20:52:51.4±0.0, 50:18N, 19:24E, h0km PRU 17 20:52:51.3, 50:18N, 19:34E, h1km, Mw2.5 17 20:52:50.6±0.8, 50:11N, 0:04E, 19:31E, h0km, n26, c=90/44, Poland

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like OJC, OJC, OJC, OKC, NIE, NIE, NIE, LANS, MORC, MORC, MORC, KRUC, KRUC, KRUC, KOLL, VYHS, VYHS, DPC, VYAC, VYAC, VYAC, KRUC, KRUC, KRUC, TREC, GPEC, PVCC, PRU, KHC, CLL.

17 21:02:29.7±1.0, 6:27S, 120:42E, h0km, mb3.6/6, mb1 3.6/8, mb1mx3.7/39, mbtmp3.7/8, ML3.7/2, MS3.5/3, Ms1 3.1/2, ms1mx2.8/33, Error ellipse: s-maj=51.4km s-min=17.2km az=56.0

17 21:02:36.0±0.4, 6:18S, 0:04E, 120:65E, h0km, h33km, mb3.7/10, MS3.5/1, Error ellipse: s-maj=8.1km s-min=5.4km az=162.4

17 21:02:35.8±0.9, 6:23S, 120:67E, h46km, 10km, mb4.0/4, Error ellipse: s-maj=11.0km s-min=7.5km az=66.0

17 21:02:36.0±0.8, 6:33S, 12:12E, h27km, 11km, M4.6/13, mb4.8/6, mb5.2/3, MLv4.5/13, Mw(m)4.5/3 17 21:02:35.1±0.7, 6:11S, 0:06E, 120:73E, h0km, n39, c=297/33, mb3.7/10, Flores Sea

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

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Table with columns: SPSI, Sidrap Palu, Ende, Flores, KDI, Kendari, MMRI, Maumere, WBSI, Waikabubak, Su, BASI, Baing, Sumba, BATI, Baumenta, BATI, Baumata, SOEI, Soe, SOEI, APSI, Ampana, LUWI, Luwuk, LUWI, Luwuk, SANI, Sanana, MRSI, Marisa, KMMI, Kallang, MMRI, Mangrove, TNTI, Ternate, SIJI, Sorong, LEM, Lembeh, DAV, Davo City (W), WRA, Warrungama Arr, WRA, Alice Springs, ASAR, Alice Springs, ASAR, Alice Springs, ASO1, Aso Springs, IPM, Ipo, KULM, Kulim, COEN, Coen, STKA, Stephens Creek, CMAR, Chang Mat Arr, PALK, Pallekele, SONM, Songino Arr, MKAR, Makanchi Arr, ZALV, Zalesovo Beam.

17 21:11:00.0±0.0, 10N, 141:80E, h5km, Mw3.5 Best double couple: M2.26000x1014 NP1.5x50.00000, delta 260000, lambda-123.00000, NP2.5x266.00000, delta 680000, lambda-75.00000

17 21:11:19.6±0.6, 40:13N, 141:81E, h10km, 3km, mb2.5/6, Error ellipse: s-maj=7.2km s-min=3.8km az=168.0

17 21:11:20.0±0.4, 10N, 141:79E, h6km, 1km, M3.5 17 21:11:25.5±2.2, 40:14N, 142:01E, h54km, 18km, mb3.4/6, mb1 3.5/9, mb1mx3.2/51, mbtmp3.6/9, ML3.1/3, MS2.4/1, Ms1 2.4/1, ms1mx2.0/23, Error ellipse: s-maj=28.3km s-min=10.9km az=105.0

17 21:11:20.0±1.3, 40:15N, 141:83E, h1km, 9km, n24, c=190/28, mb3.5/6, 4C-2D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JKEN, Kujedjanarisaw, JKEN, Tanohata, JTH, Nango, JANG, Kuzumaki, JKZ, Miyakonagasawa, MIYJ, Ohasama, JOM, Tenmabayashi, JTM, Hinai, JAH, Ashimoriokkasho, JARF, ASAJ, Asahikawa, ASAJ, Zalesovo Beam, MJAR, Matushiro Arr, MJAR, USSuriysk Arr, SONM, Songino Arr, H1N2, WAKE ISLAND HY, H1N1, WAKE ISLAND HY, H1N3, WAKE ISLAND HY, H1S1, WAKE ISLAND HY, H1S3, WAKE ISLAND HY, H1S2, WAKE ISLAND HY, KARUB, Kurchatov Arr, WRA, Warrungama Arr, ASAR, Alice Springs.

17 21:18:17.8±2.9, 15:36N, 52:72E, h0km, mb3.5/7, mb1 3.6/8, mb1mx3.4/55, mbtmp3.5/8, ML2.9/1, MS3.1/2, Ms1 3.1/2, ms1mx2.6/28, Error ellipse: s-maj=54.3km s-min=37.4km az=21.0

17 21:18:22.5±1.3, 15:23N, 52:30E, h36km, 763km, Error ellipse: s-maj=71.5km s-min=35.4km az=260.0

17 21:18:19.2±1.4, 15:31N, 0:15E, h10km, n13, c=181/14, mb3.6/7, Eastern Arabian Peninsula

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ABTO, Aybut, ABTO, RBK, Rabkut, RBK, Wadi Hawf, Wadi Hawf, WSAR, Wadi Sarin, WSAR, Alibeck, Keskin Array B.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Location, and other parameters.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Location, and other parameters.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Location, and other parameters.

IDC 17 21:21:10.0, 0.7, 10.31N:126.38E, h0km, mb4.0/14, mb1 4.1/4, mb1mx3.9/45, mbtmp4.0/14, MS3/0.2, Ms1 3.0/2, ms1mx2.5/38, Error ellipse: s-maj=31.0km s-min=15.5km az=71.0

MAN 17 21:21:13.6, 10.33N:126.51E, h16km, mb4.9, ML3.8, MS3.8

ISC 17 21:21:11.2-1.9, 10.27N:126.49E:0.07, h8km, 11km, n39, c128/42, mb3.9/14, 3C-2D, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

SJA 17 22:11:45.5-0.6, 28.21S:71.71W, h60km, ML3.2, MW3.5, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

DJA 17 22:12:48.9-0.3, 6.5S:3.121E, h10km, M3.8/7, mb4.3/1, ML3.6/7, Flores Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

IDC 17 22:26:25.8-1.8, 30.87S:177.46W, h0km, mb4.0/3, mb1 4.2/4, mb1mx3.9/21, mbtmp4.0/4, ML3.1, MS3.4/2, Ms1 3.4/2, ms1mx2.9/23, Error ellipse: s-maj=46.9km s-min=24.0km az=116.0

ISC 17 22:29:5.1-1.7, 30.80S:0.09, 177.6W:0.3, h27km, n9, c191/10, mb4.0/3, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

SAR 17 22:43:01.9-0.4, 43.06N:17.10E, h9km, 2km, ML2.8/1, BEO 17 22:43:04.0, 0.8, 43.19N:17.31E, h0km, ML2.5/5

ISC 17 22:43:02.1-1.2, 43.12N:0.03, 17.18E:0.03, h3km, 10km, n54, c095/85, 9C-3D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

WEL 17 22:49:11.0, 40.5S:6.179E:1.0, h33km, ML3.5/31, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

ISCJB 17 22:50:47.4:0.1, 43.288N:0.008:0.23W:0.01, h11km, Error ellipse: s-maj=1.3km s-min=1.2km az=133.0

LDG 17 22:50:50.5:0.1, 43.11N:0.21W:1.1km, M3.3/43, ML3.4/68, Error ellipse: s-maj=1.1km s-min=1.1km az=123.0

MDD 17 22:50:50.6:0.2, 43.15N:0.19W, h9km, 1km, mblg3.5/15, Error ellipse: s-maj=2.3km s-min=1.6km az=170.0, PRXIMO

MDD EMS: INTENSIDAD MAXIMA. MRB 17 22:50:50.8:0.5, 43.09N:0.22W, h12km, 2km, ML3.3/23, Error ellipse: s-maj=1.5km s-min=0.9km az=200.0

STR 17 22:50:51.2:0.2, 43.1N:2.0W:1.0, h2km, M3.2/7, MLV3.2/7

SFS 17 22:50:51.0, 43.02N:0.24W, ML3.5, LARUNS (FRANCIA) INMG 17 22:50:51.6:1.4, 43.02N:0.27W, h0km, ML2.8, Error ellipse: s-maj=2.9km s-min=1.8km az=22.0

IGIL 17 22:50:52.4, 43.03N:0.25W, h0km, ISC 17 22:50:52.8:0.4, 43.17N:0.01:0.21W:0.01, h11km, n250, c184/480, 2D, Pyrenees

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

MAN 17 21:46:31.0, 10.37N:126.49E, h11km, mb4.7, ML3.6, MS3.5, 2C, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

IDC 17 21:58:07.9:1.2, 4.62S:129.59E, h206km, 13km, mb3.3/5, mb1 3.4/9, mb1mx3.3/31, mbtmp3.9/9, Error ellipse: s-maj=19.3km s-min=8.7km az=84.0

ISC 17 21:58:07.3-0.7, 4.65S:129.6E:0.1, h200km, n19, c1580/23, mb3.6/5, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

IDC 17 22:58:07.9:1.2, 4.62S:129.59E, h206km, 13km, mb3.3/5, mb1 3.4/9, mb1mx3.3/31, mbtmp3.9/9, Error ellipse: s-maj=19.3km s-min=8.7km az=84.0

ISC 17 21:58:07.3-0.7, 4.65S:129.6E:0.1, h200km, n19, c1580/23, mb3.6/5, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Station Name, Location, and other parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GRR, SGMF, EMUR, EPLA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EQU, MEZF, PMRV, HAU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like mb1, JMA, NEIC, etc.

17d 22h

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like Chichi jima, Ussuriysk Arra, Nakatsue, etc.

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Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like WHN, SEY, BTO, H1N1, etc.

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Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like KMI, KMI, KMI, etc.

Table with columns: GYA, S, Sn, 01 37 57.5 +0.7, etc. Lists various astronomical objects and their properties.

Table with columns: GYA0B, ALIBECK ARRAY, 37.48 308 eP, etc. Lists astronomical objects and their properties.

Table with columns: NSK, Sanguang, 1.18 299 eS, etc. Lists astronomical objects and their properties.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like R45A Skylar, X16A Lo Mia Camp, TZTN Tazewell, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like G43A Wallace, F38A Pierce - Schro, F39A Loretta, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like BDFB Brasilia, BDFB Resolute Bay, EPYK Eagle Plains, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like WMQ Urumqi, WMQ comp=Z,460nm,5.3s, WMQ comp=N,520nm,26.3s, etc.

ISCBJ 18 01:45:18.5:1.0, 0.43'44N:0.07x146.45E:0.08, h78km,8km, Error ellipse: s-maj=13.7km s-min=5.9km az=145.7

SKHL 18 01:45:19.6:0.6, 43.37N:146.50E, h65km,4km, mb4.1/4

JMA 18 01:45:19.6:0.2, 43.38N:146.36E, h77km,2km, M2.6

ISC 18 01:45:18.2:1.9, 43.41N:0.09x146.50E:0.07, h60km,12km, n14, 067/25, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like SHO Shikotan, SHO 140nm,0.3s, SHO 197nm,0.2s, etc.

IDC 18 01:45:38.1:1.3, 11'38N:144.63E, h0km, mb3.4/3, mb1 3.8/3, mb1mx3.4/4m, mbtm3.4/3, ML6.4/1, Error ellipse: s-maj=54.1km s-min=20.8km az=111.0, South of Mariana Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like GUMO Guam, GUMO 25nm,0.3s, bsz=18,slow=5.9,SNR=13, etc.

ISCJB 18 01:47:09.3:0.3, 16.14N:0.04x95.63W:0.03, h31km, mb4.3/46, Error ellipse: s-maj=5.3km s-min=3.5km az=6.7

MEX 18 01:47:11.5:1.0, 16.05N:95.72W, h9km,36km, MD4.3

NEIC 18 01:47:12.6:0.0, 16.08N:95.81W, h10km, mb4.4/57, MD4.3(MEX), After MEX.

NEIC 18 01:47:12.8:2.8, 16.15N:95.66W, h50km,23km, mb3.8/11, mb1 4.1/14, mb1mx3.9/41, mbtm4.1/14, ML3.8/3, Error ellipse: s-maj=22.8km s-min=11.5km az=5.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, and other parameters. Includes stations like HUIG Huatulco, HUIG 0.52 230 eP, HUIG Huatulco, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TLIG, CCIG, UNIM, APG, MOIG, JRQG, MYIG, TEIG, TGUH, CSGN, LNI, JTS, WBCY, 435B, 435T, JCT, LTX, TXAR, TX31, WHTX, WHTX, 244A, ABTX, ABTX, 061Z, Z41A, Z41A, WLAR, 351A, MNXX, MNXX, 148A, X37A, MIAR, MIAR, X40A, X41A, LRAL, 150A, Y46A, WMOK, WMOK, MSTX, MSTX, W39A, W39A, OXF9, Z50A, W41B, WHAR, AMTX, AMTX, Y49A, 121A, TUL1, V41A, X48A, V42A, HHAR, U40A, U32A, U41A, GOGA, BNM, U42A, Y52A, Y52A, LENM, U43A, Y53A, LAZ, ANMO, ANMO, ANMO, T41A, TUC, Y42A, Y42A, T43A, X53A, W52A, S41A, S43A, T46A, S42A, W53A, T47A, T47A.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like U49A, 214A, CCM, T25A, T25A, X18A, R41A, R44A, X16A, Q11, Q40, SDCO, Q44A, OLIC, WCJ, S22A, P41A, R48A, WUAZ, WUAZ, MVCO, S51A, P44A, GLA, GLA, O41A, Q48A, Y12C, Y42A, PV01, SWSC, IKP, O44A, PV13, PV02, PV03, PV18, PV12, BC3, W13A, PV11, PV16, O45A, IRM, MONP2, PV22, ISCO, ISCO, PV23, O51A, BGNE, SFIN, OGN, N43A, O47A, N44A, M39A, M40A, SDV, BELC, P50A, O48A, KNB, SCIA, O49A, O49A, M44A, L40A, O50A, N47A, N23A, O20A, JFWF, MPMC, R11A, TCUT, H39A, PD31, PDAR, SPMN, HVU, NV11, NV01, ELK, KVN.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BMN, HLID, HLID, AGMN, AGMN, DLMT, WVOR, J08A, ULM, MSO, YKA, YKBS, INK, INK, IL1, ILAR, ILB, PLCA, PLCA, ESDC, NB2, NB20, NOA, TOA1, TORI, MKAR, HHC, KSH, KSH, LZH, LZH, STKA, CD2, WRA.

IDC 18 01:48:10.3z, 1.3, 29.175x178.45W, h0km, mb4.0/3, mb1 4.1/3, mb1mx3.7/42, mbtmp4.0/3, Error ellipse: s-maj=36.6km s-min=20.6km az=50.0, ISCBJ 18 01:48:13.4z, 4.9, 28.1S:0.5x178.5W:0.6, h33km, mb3.9/3, Error ellipse: s-maj=103.7km s-min=11.1km az=140.3, ISC 18 01:48:15.0z, 1.3, 28.1S:0.2x178.4W:0.2, h35km, n9, a1502.9, mb3.8/3, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like RAO, RAO, STKA, ASAR, WRA, FINES, NB2, AKASA, BRTR.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like MEX 18 01:52:41.0z, 0.4, 15.95N:95.68W, h57km, 10km, MD3.6, HUIG, HUIG, VHO, PNIG.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like MEX 18 01:53:43.1z, 0.7, 18.10N:103.41W, h8km, 7km, MD3.6, MMIG, MMIG, R15V, EZSV, ZIIG, ARIG.

IDC 18 01:57:03.0z, 2.0, 0.75N:126.37E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.4/29, mbtmp3.4/3, MS2.6/1, Ms1 2.6/1, s-min=25.2/km az=65.0, Northern Molokai Sea

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

IDC 18 01:59:29.8z, 3.4, 57.44N:151.14W, h0km, mb3.7/1, mb1 3.7/3, mb1mx3.3/39, mbtmp3.4/3, ML2.9/2, Error ellipse: s-maj=61.2km s-min=36.6km az=148.0, ISCBJ 18 01:59:36.1z, 1.7, 58.12N:144.15W:0.0/6, h22km, 16km, mb3.5/1, Error ellipse: s-maj=7.9km s-min=4.9km az=155.6

NEIC 18 01:59:36.0z, 0.58, 12N:150.93W, h5km, ML2.9(AEIC), After AEIC.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like ISC 18 01:59:39.2z, 1.2, 58.14N:10.05W:0.0/5, h46km, 19km, n54, a1803/59, Kodiak Island region, KDAK, KDAK, CNPM, OHAK, OHAK, HOM, HOM, BRK, FONW, AUK, AUL, AUL.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KABR Katmai Barrier, ILS Iliamna Low So, SEW Seward, etc.

NORS 18 02:10:51.7, 0.0, 42.62N, 43.52E, h11km, MPVA2.8
ISC 18 02:10:53.2, 1.8, 42.60N, 0.10, 43.49E, 0.08, h8km, +12km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ONI Oni, DIGN Dvorskoje uzhe, ZEI Tsey, etc.

SOME 18 02:13:54.9, 40.65N, 77.65E, h5km
KRNET 18 02:13:55.2, 0.1, 40.61N, 77.45E, h16km, mb2.5

NNC 18 02:14:00.8, 4.4, 45.45N, 76.33E, h0km, mb3.1, mpv2.7,
Error ellipse: s-maj=37.1km s-min=17.8km az=166.0

ISC 18 02:13:54.3, 0.0, 40.6N, 0.1, 77.42E, 0.05, h4km, +18km, n21,
+138.0, 12C-10D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NRN Narin, KDJ Kajisay, KZK Kza, etc.

IDC 18 02:16:23.7, 2.5, 36.28N, 70.40E, h188km, 22km, mb3.3/9,
mb1.3, 4/15, mb1mx3.2/4.7, mbtpm3.8/15, MS2.7/1,
Ms1.2/7.1, ms1mx2.3/1.9, Error ellipse: s-maj=20.2km
s-min=15.1km az=172.0

NNC 18 02:16:23.9, 6.3, 36.79N, 69.83E, h0km, mb4.3, mpv4.1,
Error ellipse: s-maj=54.9km s-min=30.4km az=164.0

ISCJB 18 02:16:25.7, 0.4, 36.44N, 0.03, 70.32E, 0.05, h213km,
mb3.3/8, Error ellipse: s-maj=6.0km s-min=4.2km
az=162.8

ISC 18 02:16:26.5, 0.6, 36.45N, 0.05, 70.32E, 0.06, h213km, n43,
+1145.0, mb3.2/8, 3C-5D, h40, Kudu hsh region

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

CNRM 18 02:44:56.1, 37.53N, 3.00W, h30km, ML3.5
IGIL 18 02:44:59.8, 38.08N, 3.28W, h1km, ML2.6

SFS 18 02:45:00.0, 38.08N, 2.78W, ML2.6, SABIOTE (JAEN)
MDD 18 02:45:00.6, 0.2, 38.07N, 3.28W, h2km, 2km, mblg2.8/31,
Error ellipse: s-maj=2.3km s-min=2.0km az=163.0,
PRXIMO

MDD EMS: II-II INTENSIDAD MAXIMA.
INMG 18 02:45:00.6, 1.6, 38.09N, 3.27W, h3km, 2km, ML2.8, Error
ellipse: s-maj=1.7km s-min=1.3km az=54.0

LDG 18 02:45:00.5, 0.1, 38.08N, 3.26W, h2km, ML2.8/6, Error
ellipse: s-maj=2.1km s-min=1.9km az=149.0

ISC 18 02:44:58.2, 1.1, 38.08N, 0.02, 3.25W, 0.01, h12km, 9km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EQES Quesada, EQES Santiago Espad, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ENIJ 0.4nm, 0.1s, SNR=7.9, ETOB Tobarra, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like EVO, Evora, Barranco-do-Ve, Messejana, ERTA, MTE, PNCL, MVO, PTOM, MORF, PTEO, PVIS, PFVI, PCAS, PBRG, ECAL, YNAR, POLO, PMAFR, IELO, ELAN, PCAB, ETSF, SJPF, EALB, ATE, ARQ, EARI, CSOR.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CSOR, PGAV, EPF, EAGO, EPON, IDA, IRAM, TABS, SMDO, KLNJ, BSY, ANAR, IGAR, IGAR, WBK, SHRT, IZEF, IZEF, ZNGN, ROKH, RWK, SLWS, IKLH, IPIR, BTHS, KRSH, BOOSS, IPAY, IKRD, IKMR, IKMR, HSAM, GEYT, IVIS, RAYN, RAYN, RAYN, CHGR, BTK, BTK, ZEI, SFK, SFK, SFK, KKAR, KKAR, AKCD, KBZ, KIV, KIV, CUKAN, ANDRIN, SAIM, AAK, AAK, AAK, NRN, NRN, NRN, CUSAR, YAHY, ARKAR, AVNS, KERG, CDAG, AKSY, BR101, BR131, BRTR, BBAL, PYUN, ANTO, ANTO, ANTO, DANN, GKN, DMN, KKN, PKIN, PKI, GUN, JIRN, BRVK, BRVK, BRVK, MAKZ, MAKZ, MAKZ, MK32, MKAR, MKAR, MKAR, KURBB, KURB, KURK, KURK, KURK, IDRI, ANOYA, OBN, OBN.

Table with columns for station name, frequency, power, and other technical details. Includes stations like IDA, IRAM, TABS, SMDO, KLNJ, BSY, ANAR, IGAR, IGAR, WBK, SHRT, IZEF, IZEF, ZNGN, ROKH, RWK, SLWS, IKLH, IPIR, BTHS, KRSH, BOOSS, IPAY, IKRD, IKMR, IKMR, HSAM, GEYT, IVIS, RAYN, RAYN, RAYN, CHGR, BTK, BTK, ZEI, SFK, SFK, SFK, KKAR, KKAR, AKCD, KBZ, KIV, KIV, CUKAN, ANDRIN, SAIM, AAK, AAK, AAK, NRN, NRN, NRN, CUSAR, YAHY, ARKAR, AVNS, KERG, CDAG, AKSY, BR101, BR131, BRTR, BBAL, PYUN, ANTO, ANTO, ANTO, DANN, GKN, DMN, KKN, PKIN, PKI, GUN, JIRN, BRVK, BRVK, BRVK, MAKZ, MAKZ, MAKZ, MK32, MKAR, MKAR, MKAR, KURBB, KURB, KURK, KURK, KURK, IDRI, ANOYA, OBN, OBN.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like AKASG Malin Array Be, AKAB Malin Array Si, ITM Ithom, KIEV Kiev, BUR04 Bucovina Ar. S, BUR08 Bucovina Ar. S, DGZ Jazator, Alta, FNA Florina, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, KWP Kalwaria Pacia, KWP Kalwaria Pacia, TIP Timpanagade, VYHS Vyhne, VYHS Vyhne, OJC Ojcow, OJC Ojcow, MORC Moravsky Berou, MORC Moravsky Berou, DPCA Dobruška-Polom, MOLA Molin, GEC2 GERESS Array S, GEC2 GERESS Array S, GERE2 GERESS Array B, FIAO FINESS Array S, FIAO FINESS Array S, FINES FINESS Array B, KHC Kasperske Hory, KHC Kasperske Hory, KHC Kasperske Hory, WATA Walderalm, CLL Collin, CLL Collin, CLL Collin, SQT Sankt Quirin, MOTA Moosalm, BSD Bornholm Skovb, BSD Bornholm Skovb, FETA Feichten, RETA Reutte, FUORN Offenpass-Fuorn, KEST Kesra, DAVA Damuels, SONAO Songino Array, SONAO Songino Array, SENIN Lac Senin/Sane, BNI Bardonecchia, BNI Bardonecchia, BNI Bardonecchia, ULN Ulanbaatar, NB2 NORSAR Subarra, ARAO ARCES Array S, ARCES ARCES Array B, ESOC Sonseca Array, TOA1 Torodi Ar. Sit, TORD Torodi Ar. Be, TIXI Tiksi, TIXI Tiksi, BOS Boshof, BOS Boshof, BILL Bilibino, BILL Bilibino, ILAR Eielson Array, ILB Eielson Array, CAST Castle Rocks, SCM Sheep Creek Mo, SCM Sheep Creek Mo, KNK Knik Glacier, WRA Warramunga Arr, WRA Warramunga Arr, WRI Warramunga Arr, YKA Yellowknife Arr, YKBS Yellowknife Arr, ASAR Alice Springs, AS31 Alice Springs, FFC Finlun.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like RAO Raoul Island, RAO Raoul Island, URZ Urewera, URZ Urewera, OUZ Omaha, BKZ Black Stump Fm, BFZ Birch Farm, BFZ Birch Farm, THZ Tophouse, KHZ Kohutara, KHZ Kohutara, RPZ Rata Peaks, ODZ Otahua Downs, ODZ Otahua Downs, DZM Mont Dzumac, DZM Mont Dzumac, WKZ Wanaka, RAR Rarotonga, PPT Papeete, HNR Honiara, HNR Honiara, STKA Stephens Creek, STKA Stephens Creek, AS31 Alice Springs, ASAR Alice Springs, WB2 Warramunga Arr, WB2 Warramunga Arr, WR1 Warramunga Arr, WR1 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, RPN Rapa Nui, GSPA South Pole Qui, SNAA Sanaz, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, PLCA Paso Flores, PDAR Pinedale Array, LPAZ La Paz, CPUP Villa Florida, MK32 Makanchi Array, MKAR Makanchi Array, FIAO FINESS Array S, FINES FINESS Array B, NB2 NORSAR Subarra, NB200 NORSAR Array S, NOA NORSAR Array B, AKAB Malin Array Si, BR101 Keskin Array S, BRTR Keskin Array B, ISJCJB 18 03:20:37.5, NEIC 18 03:17:56.0, N2 18 03:17:55.1.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like TRF Thorofare Moun, TRF Thorofare Moun, CAST Castle Rocks, BPAW Bear Paw Mtn, CHUM Lake Minchumie, PPLA Purkeypille, PPLA Purkeypille, HUR Hurricane, DWR Drown, MCK McKinley, RND Reindeer, NEA Nenana, MLY Manley, SGT Sowers, WRH Wood River Hill, DHY Denali Highway, CCB Clear Creek Bu, MDM Murphy Dome, COLA College, GHO Glory Hole Cre, SUA Summit One, SML Sawmill, PMR Palmer, PS07 TAPS Pump Stn7, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILB Eielson Array, SPCG Spurr Capps G, SPNN North Nagahisa, SPCP Crater Peak Br, DWR Drown, PS10 TAPS Pump Stn10, PS06 TAPS Pump Stn6, SPCR Spurr Chakaska, FIB Fire Island, SCM Sheep Creek Mo, KNK Knik Glacier, RC01 Rabbit Creek A, PAX Paxon Island, IM3 Indian Mountain, GCSA Galena City Sc, HARP Harp, PWL Port Wells, DFR Drift River, PRP Porcupine Dome, SCRK Sand Creek, RWED Redoubt West, RED Redoubt Volcan, JPK Jack Peak, SVWZ Sparrevohn.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like GLI Glacier Island, PS05 TAPS Pump Stns, DIV Divide, FID Port Fido, COLD Coldfoot, EYAK Gorder Ski Ar, BMRM Bremner River, CNPM China Post, SCAM Sherman Glacie, BCAG Beaver Creek A, RAAG Ragged Mountain, EGAK Egmont, BM3 Burnt Mountain, KHIT Khitrov Hills, YUK2 White River, ISLE Juniper Island, KULT Kutliath River, YUK3 Moose Creek, DAWY Dawson, MESA MESA, KDKA Kodiak Island, KDKA Kodiak Island, CHX Chaix Hills, INK Inuvik, INK Inuvik, INK Inuvik, YKA Yellowknife Arr, TXAR Lajitas Array.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like EQES Quesada, EQES Quesada, SESP Santiago Espad, SESP Santiago Espad, SESP Santiago Espad, GORA GORAF, EQU 2.0antar, EQU 2.0antar, EADA EADA, EADA EADA, EGOR Sierra Gorda, EGOR Sierra Gorda, EBER Berja, EBER Berja, ELGU Los Guajares, ELGU Los Guajares, ENIJ Nijar, ENIJ Nijar, ETOB Tobarra, ETOB Tobarra, ETOB Tobarra, HORN Hornachuelos, HORN Hornachuelos, EMAL Malaga-Limoner, EMAL La Murta, EMUR La Murta, ESOC Sonseca Array, ESOC Sonseca Array, PAB San Pablo, PAB San Pablo, ECAB EI Cabril, ECAB EI Cabril, ECAB EI Cabril, CART Cartagena, CART Cartagena, CART Cartagena, EMIJ Mijas, EMIJ Mijas, ETRV Los Montesinos, ETRV Los Montesinos, ETRV Los Montesinos, EALB Alboran, EALB Alboran, UCM Universidad Co, UCM Universidad Co, ECHE Chera, ECHE Chera, ECHE Chera, ESPR Esperanza, ESPR Esperanza, EMIN Mina Concepcio, EMIN Mina Concepcio, EMIN Mina Concepcio.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like EQES Quesada, EQES Quesada, SESP Santiago Espad, SESP Santiago Espad, SESP Santiago Espad, GORA GORAF, EQU 2.0antar, EQU 2.0antar, EADA EADA, EADA EADA, EGOR Sierra Gorda, EGOR Sierra Gorda, EBER Berja, EBER Berja, ELGU Los Guajares, ELGU Los Guajares, ENIJ Nijar, ENIJ Nijar, ETOB Tobarra, ETOB Tobarra, ETOB Tobarra, HORN Hornachuelos, HORN Hornachuelos, EMAL Malaga-Limoner, EMAL La Murta, EMUR La Murta, ESOC Sonseca Array, ESOC Sonseca Array, PAB San Pablo, PAB San Pablo, ECAB EI Cabril, ECAB EI Cabril, ECAB EI Cabril, CART Cartagena, CART Cartagena, CART Cartagena, EMIJ Mijas, EMIJ Mijas, ETRV Los Montesinos, ETRV Los Montesinos, ETRV Los Montesinos, EALB Alboran, EALB Alboran, UCM Universidad Co, UCM Universidad Co, ECHE Chera, ECHE Chera, ECHE Chera, ESPR Esperanza, ESPR Esperanza, EMIN Mina Concepcio, EMIN Mina Concepcio, EMIN Mina Concepcio.

IDC 18 03:02:04.6: 1.2, 30'65Sx177:77W, h0km, mb4.2/4, mb1.4/3.4, mb1mx4.0/25, mbtrmp4.2/4, MS3.7/1.1, MS1.3/7.11, ms1mx3.5/25, Error ellipse: s-maj=34.2km s-min=24.9km az=109.0

ISJCJB 18 03:02:08.3: 1.0, 31.04S:0'06:177:8V.0.1, h35km, mb4.2/7, MS3.8/9, Error ellipse: s-maj=18.4km s-min=8.3km az=12.4

NEIC 18 03:02:11.3: 0.8, 30.98S:177:97W, h35km, mb4.2/5, Error ellipse: s-maj=20.5km s-min=11.0km az=104.0

ISC 18 03:02:09.9: 0.9, 31.11S:0'09:177:5W.0.2, h35km, n42, c2/02/34, mb4.3/7, MS3.8/9, Kermadec Islands region

Table with columns: ZKR, Zakros, 1.04 70 P Pn, 03 39 19.4 +3.2, EMUR, 26nm,0.4s,SNR=8.1, Lg Lg, 03 46 14.1, ELGU, 8.8nm,0.2s,SNR=7.9, Lg Lg, 03 45 08.3

CNRM 18 03:45:18.3,37.38N:2.96W,h30km,ML3.3
ISCJB 18 03:45:19.8,0.4,38.11N:0.03:3.36W,0.03,h11km,Error
ellipse: s-maj=4.2km s-min=2.6km az=18.4

INMG 18 03:45:21.1,2.1,38.07N:3.28W,h0km,ML2.4,Error
ellipse: s-maj=1.5km s-min=1.3km az=67.0

MDD 18 03:45:21.0,0.2,38.05N:3.29W,h2km,1km,mBLg2.3/23,
Error ellipse: s-maj=2.8km s-min=2.2km az=31.0,PRXIMO

MDD EMS: II INTENSIDAD MAXIMA
SFS 18 03:45:21.0,38.06N:3.27W,ML2.3,SABIOTE (JAEN)
ISC 18 03:45:21.9,0.8,38.04N:0.03:3.29W,0.02,h11km,n54,
c137/63,2D,Spain

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EQES, Quesada, 0.30 144, EQES, 79nm,0.3s,SNR=14, SESP, Santiago Espad, 0.60 82, SESP, 166nm,0.2s,SNR=7.9, SESP, Santiago Espad, 0.60 82, SESP, Gorafe, 0.60 160, GORA, 48nm,0.2s,SNR=7.9, EQU, Qentar, 0.84 188, EQU, 7.7nm,0.3s,SNR=66, EQU, 7.7nm,0.1s,SNR=9.0, EADA, Adamuz, 1.02 277, EADA, 5.0nm,0.3s,SNR=65, EGOR, Sierra Gorda, 1.13 215, EGOR, 4.5nm,0.2s,SNR=7.9, EBER, Berja, 1.19 164, EBER, 17nm,0.1s,SNR=17, ELGU, Los Guajares, 1.20 193, ELGU, 19nm,0.2s,SNR=7.9, ENIJ, Nijar, 1.38 141, ENIJ, 3.3nm,0.2s,SNR=7.9, ENIJ, 18nm,0.3s,SNR=7.9, ETOB, Tobarra, 1.50 66, ETOB, 10nm,0.1s,SNR=17, EMAL, Malaga-Limoner, 1.56 216, EMAL, Hornachuelos, 1.56 263, EMAL, Hornachuelos, 1.56 263, EMUR, La Murta, 1.56 96

Table with columns: EMUR, 26nm,0.4s,SNR=8.1, Lg Lg, 03 46 14.1, ECAB, El Cabril, 1.68 272, ECAB, 7.4nm,0.3s,SNR=19, ESOC, Sonseca Array, 1.71 342, ESOC, 0.6nm,0.2s,baz=161,slow=17,SNR=19, ESDC, San Pablo, 1.71 332, ESDC, 8.5nm,0.3s,baz=159,slow=23,SNR=36, PAB, 3.0nm,0.2s,SNR=7.9, PAB, 23nm,0.2s,SNR=7.9, EMIJ, Mijas, 1.89 219, EMIJ, 3.8nm,0.4s,SNR=7.6, UCM, Universidad Co, 2.26 1, UCM, 11nm,0.3s,SNR=7.9, ESPR, Espera, 2.35 241, ECH, Chera, 2.39 49, ECH, 1.9nm,0.4s,SNR=7.9, EBEN, Beniardá presa, 2.52 75, EBEN, 4.1nm,0.2s,SNR=7.9, EMIN, Mina Concepcio, 2.69 265, EMIN, 1.7nm,0.7s,SNR=7.9, EMIN, 0.9nm,0.1s,SNR=7.9, EMIN, 0.6nm,0.6s,SNR=7.9, EPLA, Plasencia, 2.96 314, EPLA, 1.2nm,0.3s,SNR=7.2, EBLA, Badajoz, 3.01 285, EBLA, 3.6nm,0.3s,SNR=6.2, EBAD, 2.1nm,0.3s,SNR=13, EBAD, 0.9nm,0.5s,SNR=6.5, EMOS, Mosqueruela, 3.19 43, EMOS, 3.4nm,0.2s,SNR=7.9, EMOS, 3.5nm,0.4s,SNR=7.6, PESTR, Estremoz, 3.47 285, PESTR, 6.5nm,0.4s, PMRV, Marv???, 3.49 295, PMRV, 8.3nm,0.4s, PVAQ, Vaqueiros, 3.56 261, PVAQ, 8.3nm,0.4s, PVAQ, 7.2nm,0.4s, PVAQ, 3.56 261, PBEJ, Beja, 3.61 271, PBEJ, 3.8nm,0.4s, PBEJ, 1.9nm,0.4s, PCBR, Castelo Branco, 3.72 300, PCBR, 7.0nm,0.5s, PCBR, Castelo Branco, 3.72 300, EVO, Evora, 3.75 279, EVO, 6.2nm,0.3s, EVO, Evora, 3.75 279, EVO, 6.2nm,0.3s, EVO, Evora, 3.75 279, EVO, 6.2nm,0.3s, PBDV, Barranco-do-Ve, 3.77 259, PBDV, 4.9nm,0.5s, PBDV, Barranco-do-Ve, 3.77 259, MESJ, Messejana, 3.90 269, MESJ, 5.3nm,0.6s, MESJ, Messejana, 3.90 269, PNCL, Nicolau I Gran, 4.13 273, PNCL, 4.8nm,0.5s, MVO, Moncorvo, 4.25 318, MVO, 5.8nm,0.6s, PTOM, Tomar, 4.29 293, PTOM, 8.5nm,0.5s, PTOM, Tomar, 4.29 293, MORF, Marlete, 4.31 262, MORF, 3.9nm,0.6s, MORF, Marlete, 4.31 262, PCAS, Casimilo, Conde, 4.52 298, PCAS, 6.5nm,0.4s, PBRG, Braganca, 4.60 326, PBRG, 5.2nm,0.4s, PBRG, Braganca, 4.60 326, ISCJB 18 03:45:22.0,2.7,38.09N:0.05:3.23W,0.06,h11km,Error
ellipse: s-maj=7.7km s-min=7.1km az=14.2
MDD 18 03:45:29.0,0.4,38.07N:3.27W,h0km,mBLg2.4/14,Error
ellipse: s-maj=3.3km s-min=2.7km az=141.0,PRXIMO
MDD EMS: II INTENSIDAD MAXIMA
SFS 18 03:45:29.0,38.07N:3.26W,ML2.4,SABIOTE (JAEN)
ISC 18 03:45:29.3,1.1,38.04N:0.04:3.33W,0.05,h11km,n16,
c81/412,Spain

Table with columns: ENIJ, Nijar, 1.39 140, ENIJ, 3.1nm,0.2s,SNR=7.9, ETOB, Tobarra, 1.52 66, ETOB, 2.6nm,0.2s,SNR=7.2, ECAB, El Cabril, 1.65 272, ECAB, 0.6nm,0.1s,SNR=8.2, EMUR, La Murta, 1.66 96, EMUR, 3.0nm,0.2s,SNR=10, EMUR, San Pablo, 1.71 332, PAB, 0.4nm,0.2s,SNR=7.9, ESOC, Sonseca Array, 1.71 343, ESOC, 14nm,0.3s,baz=160,slow=23,SNR=22, EMIJ, Mijas, 1.87 219, EMIJ, 2.1nm,0.1s,SNR=8.5, EMUJ, Vista Hermosa, 2.02 89, EMUJ, 2.22 118

MEX 18 03:46:59.7,0.5,16.77N:95.25W,h156km,16km,MD3.9,
Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, HUIG, Huatulo, 1.30 220, HUIG, Vista Hermosa, 1.46 282, VHO, Vista Hermosa, 2.04 89, TGIG, 2.22 118, PCIG, 2.04 89

IDC 18 03:52:51.2,2.6,4.59S:130.37E,h246km,39km,mb3.1/1,
mb1 3.0/4,mb1mx2.8/27,mbtmp3.5/4,Error ellipse:
s-maj=89.6km s-min=13.6km az=76.0,Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SIJI, Sorong, 3.80 14, SIJI, 2.3nm,0.3s,baz=50,slow=23,SNR=13, SUIJ, Warramunga Arr, 15.74 166, WRA, 0.1nm,0.3s,baz=344,slow=12,SNR=6.4, WRA, 0.2nm,0.3s,baz=336,slow=24,SNR=6.1, ASAR, Alice Springs, 19.27 170, ASAR, 0.1nm,0.3s,baz=350,slow=12,SNR=13, MKAR, Makanshi Array, 66.43 326

PGC 18 04:07:58.4,1.1,52.50N:131.91W,h23km,ML3.7/14,
ML3.7/14,84km coast of Sandspit, Bc Haida Gwaii
Region, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, BNB, Barry Inlet, 0.13 51, BNB, 2.3nm,0.3s,SNR=13, HG3B, Hotspring, 0.30 74, HG3B, 7.1nm,0.3s,baz=254,slow=23,SNR=14, WRA, Warramunga Arr, 15.74 166, WRA, 0.1nm,0.3s,baz=344,slow=12,SNR=6.4, ASAR, Alice Springs, 19.27 170, ASAR, 0.1nm,0.3s,baz=350,slow=12,SNR=13, MKAR, Makanshi Array, 66.43 326, PGC 18 04:07:58.4,1.1,52.50N:131.91W,h23km,ML3.7/14, ML3.7/14,84km coast of Sandspit, Bc Haida Gwaii Region, Queen Charlotte Islands region

MEX 18 04:16:29.4,0.8,18.06N:103.25W,h10km,MD3.6,1D,
Near coast of Michoacan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, MMIG, Aquila, 0.24 338, MMIG, 0.4m,0.2s,SNR=14, R15V, 1.30 328, EZSV, 1.45 347

UCR 18 04:50:01.1,1.4,11.67N:86.88W,h46km,24km,MD4.4,
ML4.3,1C,Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, COPN, Copalpete, 0.58 29, COPN, 1.23 95, XAVN, Gruta Xavier, 0.72 49, XAVN, 3.9nm,0.2s,SNR=7.9, MGN, Managua, 0.78 53, MGN, 0.81 25, MOMM, Momotombo, 0.81 25, MOMM, 1.51 19, CNGN, Cerro Negro, 0.84 12, CNGN, San Cristobal, 1.04 351, CRIN, 1.67 127, BOAB, BOACÓ BROADBAN, 42 57, CSGN, Cosiguina Voic, 1.46 333, ESTN, Estel, 1.51 19, MATN, Matagalpa, 1.56 37, NY14, Universidad de, 1.67 127, BUEV, Buena Vista, 1.69 121, BUAI, Buenos Aires, 1.71 117, GPS2, Hotel Rincón, 1.71 117, LIMT, Limonal, 1.87 121, MESS, Mesas, 1.90 119, CUI, Cuipilapa, 1.96 121, ACAL, Aguas Claras, 2.08 119, PTEN, Parque Tenorio, 2.09 117, AMAS, Alto Masis, 2.13 119, LCY, Lacayo, 2.22 322

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PACA Pacayal, JTS JuntasAbangare, TECA Tecapa, etc.

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

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

CNRM 18 05:15:37.1, 35.10N:6.38W, h30km, ML2.4
IGIL 18 05:15:41.7, 35.31N:6.11W, h10km, ML2.1
MDD 18 05:15:41.1, 1.6, 35.31N:6.00W, h18km, 25km, mblg2.5/2,
Error ellipse: s-maj=29.4km s-min=6.8km az=180.0,
PRXIMO

INMG 18 05:15:42.1, 1.1, 35.29N:5.99W, h31km, ML2.0, Error
ellipse: s-maj=3.7km s-min=2.6km az=69.0
ISC 18 05:15:40.2-1.7, 35.24N:0.04:6.01W:0.04, h33km, 6km,
n43, c164/69, Strait of Gibraltar

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RSA Sarsar, EMIJ Mijas, EGOR Sierra Gorda, ELGU Los Guajares, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMRV Marv???, PAB San Pablo, PCBR Castelo Branco, etc.

UCR 18 05:16:16.5, 1.7, 11.37N:85.75W, h170km, 7km, MD4.1,
ML3.2, Nicaragua

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CONN Concepcion, BUAI Buenos Aires, GB1A Borinquen Arri, etc.

ISC/JB 18 06:06:03.6, 0.9, 2.0N:0.1:89.5E:0.1, h10km, mb3.8/6,
Error ellipse: s-maj=24.0km s-min=13.8km az=136.6
ISC 18 06:06:04.3, 1.4, 2.02N:89.51E, h0km, mb3.7/6, mb1.4/0.8,
mb1mx3.7/3.7, mbtmp3.8/8, ML4.1/1, MS2.7/1, Mst 2/1,
ms1mx2.3/32, Error ellipse: s-maj=50.0km s-min=18.7km
az=59.0

ISC 18 06:06:06.0, 1.1, 2.0N:0.2:89.5E:0.2, h10km, n15, c05/57/9,
mb3.9/3, North Indian Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PALK Pallekele, PALK Palmar Norte, H0S2 Diego Garcia H, etc.

UCR 18 06:10:09.9, 2.8, 9.01N:81.47W, h14km, 11km, MW3.9, 1D,
Panama

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRU2 Volcan, PNME Penonome, EDSV San Vito, etc.

MEX 18 06:15:49.2, 0.8, 18.10N:102.19W, h38km, 17km, MD3.9,
Michoacan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZIIG Zihuatajejo, ZIIG Zihuatanejo, MMIG Aquila, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MMIG Puente Sto Nin, ARIG, EZSV, etc.

MEX 18 06:19:42.3, 0.6, 16.49N:98.45W, h3km, MD3.7, Near
coast of Guerrero

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

SOME 18 06:23:35.3, 43.68N:83.57E, h5km
NMC 18 06:23:50.9, 4.1, 44.11N:82.59E, h0km, mb2.7, mpv2.3,
Error ellipse: s-maj=49.3km s-min=14.6km az=125.0
ISC 18 06:23:45.1, 3.4, 44.1N:0.2:83.7E:0.2, h20km, n5, c176/7,
5C-1D, North Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DJR Jarkent, DJR, MK31 Makanchi Array, etc.

SJA 18 06:55:27.9, 0.7, 28.39S:71.08W, h28km, 4km, ML3.4,
MW3.3
ISC/JB 18 06:55:28.7, 2.0, 28.38S:0.06:71.1W:0.1, h2km, 13km,
Error ellipse: s-maj=20.1km s-min=8.5km az=12.3
GUC 18 06:55:29.2, 0.5, 28.50S:70.91W, h35km, 3km, ML4.0
ISC 18 06:55:28.1, 1.9, 28.37S:0.05:70.97W:0.09, h14km, 11km,
n24, c1965/31, 2C, Central Chile

ISC/JB 18 06:55:29.2, 0.5, 28.50S:70.91W, h35km, 3km, ML4.0
ISC 18 06:55:28.1, 1.9, 28.37S:0.05:70.97W:0.09, h14km, 11km,
n24, c1965/31, 2C, Central Chile

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

NIED 18 07:17:00.37:60N:143.60E, h5km, Mw3.6 Best double
couple: M2.49000x1014 NP1:0.13.00000, 0.38.00000,
lambda-114.00000. NP2:0.223.00000, 0.56.00000,
lambda-72.00000

ISC/JB 18 07:17:41.0, 0.9, 37.63N:0.0:04:143.62E:0.07, h33km,
mb3.9/2, Error ellipse: s-maj=7.6km s-min=5.9km
az=178.2

JMA 18 07:17:41.6, 0.2, 37.63N:143.57E, h5km, M3.5
JDC 18 07:17:45.0, 0.7, 3.6S:96N:143.36E, h0km, mb3.9/2,
mb1.4/1.3, mb1mx3.5/3.3, mbtmp3.8/3.3, ML3.6/1.9, Error
ellipse: s-maj=153.9km s-min=35.4km az=25.0
ISC 18 07:17:42.2, 1.4, 37.67N:0.06:143.67E:0.09, h35km, n17,
c1507/29, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIKH Ishinomakikobu, JIKH, JIO Ouri, etc.

ISC 18 07:32:16.3, 3.5, 6.47S:130.73E, h188km, 50km, mb3.4/1,
ASAR Alice Springs 61.69 190 P 07 27 57.5 +0.8

mb1 3.2/4, mb1mx3.0/29, mbtmp3.7/4, Error ellipse: s-maj=120.6km s-min=18.1km az=80.0, Banda Sea
 Code Station Name Δ° AZ° Phase ID Time Res ISC
 SUIJ Sorong 5.59 6 Op ISC h m s ISC
 2.8nm, 0.3s, baz=172, slow=23, SNR=22
 SUIJ 5.59 6 P Pn 07 34 42.8 +0.1
 WRA Warramunga Arr 13.85 16 P Pn 07 35 22.9 -1.9
 0.3nm, 0.3s, baz=348, slow=13, SNR=16
 WRA 13.85 16 S S 07 37 49.5 -1.0
 baz=336, slow=22, SNR=23
 ASAR Alice Springs 17.37 170 P Pn 07 36 07.3 +0.1
 0.2nm, 0.3s, baz=344, slow=9, SNR=16
 MKAR Makanchi Array 68.18 326 P Pn 07 42 56.2 -0.1
 0.6nm, 0.5s, baz=109, slow=7, SNR=14

ISCJB 18 07:36:08.9.0.5, 39°38'N, 0°03'28.15"E, 0.0/4, h6km, 5km, Error ellipse: s-maj=5.3km s-min=3.9km az=141.6
 DDA 18 07:36:08.8, 39°40'N, 28.13E, h7km, ML2.7
 ISK 18 07:36:08.7, 39°39'N, 28.16E, h6km, ML2.5/6
 ISC 18 07:36:09.2.1.1, 39°40'N, 0°03'28.13E, 0.0/3, h9km, 10km, n16, c0540/25, Turkey

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res	ISC
BALB	Balikesir	0.31	321	Op	ISC	07 36 15.5	+0.1	
BALB	Balikesir	0.31	321	P	Pn	07 36 21.2	-0.8	
DURS	Dursunbey	0.33	52	Op	ISC	07 36 15.2	-0.6	
DURS	Dursunbey	0.33	52	P	Pn	07 36 20.5	+0.2	
DST	Dursunbey	0.43	61	Op	ISC	07 36 23.6	+0.4	
DST	Dursunbey	0.43	61	P	Pn	07 36 29.1	-0.3	
BALY	Balya	0.53	311	Op	ISC	07 36 25.5	+0.2	
BALY	Balya	0.53	311	P	Pn	07 36 30.0	-0.3	
AKHS	Akhisar	0.57	306	Op	ISC	07 36 23.7	-0.2	
GONE	Gonen-Balikesi	0.73	332	Op	ISC	07 36 34.3	+0.1	
GONE	Gonen-Balikesi	0.73	332	P	Pn	07 36 26.5	-0.5	
SHAP	Saphane-Kutahya	0.92	114	Op	ISC	07 36 39.5	-0.3	
SHAP	Saphane-Kutahya	0.92	114	P	Pn	07 36 27.5	-0.2	
MANT	Mantla	0.96	160	Op	ISC	07 36 27.7	-0.2	
KULA	Kula-Manisa	0.97	155	Op	ISC	07 36 34.3	+0.1	
KULA	Kula-Manisa	0.97	155	P	Pn	07 36 30.0	-0.3	
MDNY	Mudanya-Bursa	1.13	31	Op	ISC	07 36 30.7	-0.1	
MDNY	Mudanya-Bursa	1.13	31	P	Pn	07 36 46.8	+0.1	
KRBB	Karabiga-Canark	1.18	327	Op	ISC	07 36 32.2	+0.4	
SBT5	Esenkok-Cinarc	1.36	25	Op	ISC	07 36 34.9	+0.2	
SBT5	Esenkok-Cinarc	1.36	25	P	Pn	07 36 53.8	+0.9	
AYDB	Zeytinok-Aydi	1.46	188	Op	ISC	07 36 37.5	-0.4	
RYK	Sarkoy-Tekirda	1.48	331	Op	ISC	07 36 36.6	-0.3	
YLK	Yalova	1.51	39	Op	ISC	07 36 36.9	-0.4	
CAVI	Cavusoy	1.54	58	Op	ISC	07 36 36.9	+0.1	

IDC 18 07:58:44.6.0.7, 52°17'N, 171°58'W, h0km, mb4, 1/13, mb1 4.3/15, mb1mx4.0/54, mbtmp4.0/15, ML3.6/2, MS3.1/6, Ms1 3.1/6, ms1mx2.9/46, Error ellipse: s-maj=25.9km s-min=14.4km az=176.0
 NEIC 18 07:58:47.9.0.0, 51°85'N, 171°31'W, h26km, mb4, 3/124, ML4.2(AEIC), After AEIC.
 ISCJB 18 07:58:50.4.0.4, 52°21'N, 0°04'17.15"W, 0.0/3, h49km, 4km, mb4, 3/109, Error ellipse: s-maj=7.1km s-min=2.9km az=162.3

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res	ISC
KOSE	Korovin Southe	1.60	279	Op	ISC	07 59 17.5	-0.1	
KOPF	Korovin Flat P	1.62	277	Op	ISC	07 59 17.4	-0.5	
ATKA	Atka Island	1.68	274	Op	ISC	07 59 17.4	-1.1	
ATKA	Atka Island	1.68	274	P	Pn	07 59 37.4	-1.5	
NIKH	Nikolski High	1.81	61	Op	ISC	07 59 40.8	-1.4	
NIKH	Nikolski High	1.81	61	P	Pn	07 59 24.3	-2.0	
OKSP	Okmok Steeple	2.25	58	Op	ISC	07 59 27.7	-1.3	
OKWE	Okmok W'ng Wal	2.39	54	Op	ISC	07 59 24.3	-2.0	
OKWE	Okmok W'ng Wal	2.39	54	P	Pn	07 59 59.4	+3.2	
OKTU	Okmok Mt. Tuli	2.44	57	Op	ISC	07 59 27.7	-1.3	
GSTR	Great Sitkin T	2.83	271	Op	ISC	07 59 34.5	+0.2	
GSMY	Great Sitkin M	2.83	270	Op	ISC	07 59 34.0	-0.3	
GSTD	Great Sitkin T	2.88	271	Op	ISC	07 59 34.0	-0.4	
GSTD	Great Sitkin T	2.88	271	P	Pn	07 59 07.5	-1.1	
ADAG	Kagalaska Isla	3.06	267	Op	ISC	07 59 36.2	-1.3	
ADAK	Meurt Adagadak	3.17	270	Op	ISC	07 59 38.9	+0.9	
ADK	Adak	3.23	268	Op	ISC	07 59 38.9	+0.9	
ADK	Adak	3.23	268	P	Pn	07 59 40.1	-1.0	
MREP	Makushin Rep't	3.32	57	Op	ISC	07 59 41.0	-1.0	
MINAT	Makushin Natee	3.39	57	Op	ISC	07 59 41.0	-1.0	
UNV	Unalaska Valle	3.47	58	Op	ISC	07 59 43.4	-0.3	
KIWB	Kanaga Island	3.52	268	Op	ISC	07 59 44.5	+0.6	
KIWB	Kanaga Island	3.52	268	P	Pn	07 59 44.5	+0.6	
KIKV	Kanaga Island	3.53	268	Op	ISC	07 59 44.5	+0.6	
KIMD	Kanaga Island	3.58	267	Op	ISC	07 59 48.1	-0.3	
ZRO	Akutana Zero	3.86	57	Op	ISC	07 59 28.9	+0.2	
TAPA	Tanaga Point A	3.98	57	Op	ISC	07 59 50.1	+0.1	
AKUT	Akutana	3.98	57	Op	ISC	07 59 50.1	+0.1	
AKUT	Akutana	3.98	57	P	Pn	07 59 40.2	+4.7	
TAFP	Tanaga Falls P	4.03	269	Op	ISC	07 59 51.9	+1.3	
SPIA	Saint Paul Isl	5.12	7	Op	ISC	07 59 09.0	+3.2	
SPIA	Saint Paul Isl	5.12	7	P	Pn	07 59 05.4	+2.0	
SDPT	Sand Point	7.28	59	Op	ISC	07 59 34.5	+0.7	
CHGN	Chignik	8.72	56	Op	ISC	07 59 44.1	-0.9	
OHAK	Old Harbor	11.69	57	Op	ISC	07 59 28.7	-6.8	
KDAD	Kodiak Island	12.23	55	Op	ISC	07 59 40.2	-2.7	
KDAD	Kodiak Island	12.23	55	P	Pn	07 59 45.2	-1.2	
KDAD	Kodiak Island	12.23	55	S	S	07 59 45.2	-1.2	
SNW2	Sparrevohn	12.52	38	Op	ISC	07 59 49.1	+2.2	
VMV	Nome	12.88	12	Op	ISC	07 59 53.8	+1.8	
RSD	Redoubt South	13.29	44	Op	ISC	07 59 58.8	+2.2	
CNPI	China Foot	13.54	49	Op	ISC	07 59 58.9	+2.5	
BRLK	Bradley Lake	13.80	48	Op	ISC	07 59 01.9	-2.5	
SEW	Seward	14.60	48	Op	ISC	07 59 02.7	-4.3	
SKT	Skwentna	14.61	40	Op	ISC	07 59 15.9	+0.7	
SUA	Susitna One	14.65	42	Op	ISC	07 59 14.3	-1.5	
PPLA	Purky Creek	14.89	36	Op	ISC	07 59 22.2	-0.9	
RCU1	Rabbit Creek A	14.89	44	Op	ISC	07 59 17.2	-1.7	
CAST	Castle Rocks	15.26	35	Op	ISC	07 59 24.5	+0.9	
PMR	Palmer	15.39	43	Op	ISC	07 59 25.9	+0.6	
GHO	Glory Hole Cre	15.56	43	Op	ISC	07 59 25.7	-1.9	
KNK	Knik Glacier	15.59	44	Op	ISC	07 59 26.4	-1.6	
SML	Sawmill	15.82	43	Op	ISC	07 59 30.8	-0.2	
TRF	Thorofore Moun	15.92	36	Op	ISC	07 59 32.9	-2.3	
BPWF	Bear Paw Mtn.	16.06	34	Op	ISC	07 59 35.1	-1.6	
FID	Port Fidalgo	16.21	48	Op	ISC	07 59 32.2	-3.6	
SCM	Sheep Creek Mo	16.26	44	Op	ISC	07 59 35.5	-1.1	
IMAK	Cordova Ski Ar	16.48	49	Op	ISC	07 59 32.1	-7.1	
EY3	Indian Mountain	16.52	26	Op	ISC	07 59 42.1	+0.4	
MCK	McKinley	16.57	37	Op	ISC	07 59 41.6	-0.7	
KLU	Klutina	16.74	46	Op	ISC	07 59 38.3	-4.2	
MLY	Manley	16.74	31	Op	ISC	07 59 43.2	-1.0	
DHY	Denali Highway	16.82	40	Op	ISC	07 59 42.7	-0.9	
RAGM	Ragged Mountai	16.93	50	Op	ISC	07 59 45.8	-0.5	
HMT	Hamilton	17.11	51	Op	ISC	07 59 45.4	-1.7	
BMRM	Bremner River	17.14	48	Op	ISC	07 59 47.0	-0.6	
WRH	Wood River Hill	17.30	35	Op	ISC	07 59 49.5	-0.8	
HARP	Harp	17.43	44	Op	ISC	07 59 51.4	-0.4	
CCB	Clear Creek Bu	17.50	35	Op	ISC	07 59 52.1	-0.4	
MDM	Murphy Dome	17.53	34	Op	ISC	07 59 52.6	-0.3	

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res	ISC
PAX	Paxson	17.54	42	Op	ISC	08 02 51.4	-1.1	
HDX	Harding Lake	17.68	36	Op	ISC	08 02 54.0	-0.4	
WAX	Waxell Ridge	17.82	51	Op	ISC	08 02 53.9	-1.9	
IL1	Elison Array	17.90	35	Op	ISC	08 02 55.3	-1.5	
ILAR	Elison Array	17.90	35	Op	ISC	08 02 54.5	-2.2	
ILAR	Elison Array	17.90	35	P	Pn	08 02 54.2	-2.2	
ILAR	Elison Array	17.90	35	LR	LR	08 02 54.2	-2.2	
ILB	Elison Array	17.90	35	Op	ISC	08 02 55.5	-1.3	
SCRK	Sand Creek	18.59	40	Op	ISC	08 03 04.6	-0.7	
PEA1	Petrovopavlovsk	18.68	285	Op	ISC	08 03 02.4	-3.2	
PETK	Petrovopavlovsk	18.68	285	Op	ISC	08 03 02.4	-3.2	
PETK	Petrovopavlovsk	18.68	285	LR	LR	08 03 02.4	-3.2	
BILL	Bilibino	19.25	334	Op	ISC	08 09 29.0	+1.0	
FYU	Fort Yukon	19.48	32	Op	ISC	08 03 13.1	-1.1	
DHAK	Deception Hill	19.88	56	Op	ISC	08 03 20.4	-0.1	
EGAK	Eagle	20.05	39	Op	ISC	08 03 20.8	-1.7	
HYT	Haines Junction	20.47	52	Op	ISC	08 03 25.9	-1.8	
DAWY	Dawson	21.38	42	Op	ISC	08 03 25.1	0.0	
SKAG	Skagway	21.38	56	Op	ISC	08 03 35.3	+0.5	
WHY	Whitehorse	21.72	52	Op	ISC	08 03 39.5	+0.9	
JIS	Juneau Island	21.83	59	Op	ISC	08 03 39.9	+0.3	
MA2	Magadan	22.21	304	Op	ISC	08 12 29.0	+1.8	
DLBC	Dease Lake	24.12	56	Op	ISC	08 04 04.5	+1.8	
DLBC	Dease Lake	24.12	56	Op	ISC	08 04 04.7	+2.0	
INK	Inuvik	24.27	34	Op	ISC	08 04 03.1	-0.7	
INK	Inuvik	24.27	34	Op	ISC	08 04 02.9	-0.9	
INK	Inuvik	24.27	34	Op	ISC	08 04 02.9	-0.9	
YKA	Yellowknife Ar	31.38	48	Op	ISC	08 05 06.2	-1.2	
YKA	Yellowknife Ar	31.38	48	Op	ISC	08 05 06.0	-1.1	
YKBS	Yellowknife Ar	31.38	48	Op	ISC	08 05 07.2	-0.3	
B08A	Colville Reser	32.97	75	Op	ISC	08 05 22.6	+1.0	
HAWA	Hanford	33.76	79	Op	ISC	08 05 30.0	+1.5	
D08A	Wollman Farm	33.81	77	Op	ISC	08 05 29.5	+0.6	
YBH	Yreka Blue Hor	34.28	88	Op	ISC	08 05 34.1	+1.0	
NEW	Newport	34.32	74	Op	ISC	08 05 34.0	+0.6	
E09A	Wood Farm, Sta	34.54	78	Op	ISC	08 05 36.6	+1.4	
KKO	Keenakako i	35.03	153	Op	ISC	08 05 41.9	+2.1	
J08A	Circle Bar Bar	35.98	83	Op	ISC	08 05 48.6	+0.9	
WVOR	Wild Horse Val	36.39	84	Op	ISC	08 05 51.2	0.0	
H1N2	WAKE ISLAND Hy	36.47	216	T	T	08 44 22.1		
H1N3	WAKE ISLAND Hy	36.48	216	T	T	08 44 22.5		
H1N1	WAKE ISLAND Hy	36.49	216	T	T	08 44 23.5		
BEKR	Beckworth	36.81	89	Op	ISC	08 05 55.6	+0.7	
PAHR	Pat Rahr Range	37.51	88	Op	ISC	08 06 01.8	+1.0	
MFID	Camas Ranch	37.56	81	Op	ISC	08 06 02.2	+1.0	
VCNR	Virginia City	37.59	89	Op	ISC	08 06 02.4	+0.8	
H1S1	WAKE ISLAND Hy	37.67	215	T	T	08 45 54.6		
H1S2	WAKE ISLAND Hy	37.68	215	T	T			

ATH 18 07:59:39.0, 38.90N-22.21E, h80km, 2km, ML3.5/15, Error ellipse: s-maj=2.6km s-min=1.3km az=289.0, ML Amplitudes are expressed in micrometres All distances are expressed in km

THE 18 07:59:39.6, 38.91N-22.20E, h79km, ML3.4/17, Error ellipse: s-maj=0.9km s-min=0.5km az=241.0, PDG 18 07:59:39.5, 0.4, 38.93N-22.16E, h79km, 1km, ML4.1/7, Error ellipse: s-maj=0.5km s-min=0.7km az=0.0

ISC 18 07:59:37.9, 0.8, 38.92N-0.03, 22.14E, 0.03, h89km, 5km, n117, s119/170, mb3.7/5, 11C-1D, Greece

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their associated data.

ATH Athens Observa 1.56 127 P Pn 08 00 05.3 +0.8

ATH PTL Penteli 1.61 122 P Pn 08 00 24.2 -0.2

ATH DION Dionisia 1.64 120 P Pn 08 00 25.3

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their associated data.

moment-rate function NEIC 18 08:12:22.0, 0.2, 13.05N-89.98W, h35km, mb5.1/299 Error ellipse: s-maj=3.7km s-min=2.5km az=219.0

ISCJAB 18 08:12:24.8, 0.3, 13.14N-0.02-89.93W, 0.02, h79km, 2km, mb5.0/336, Error ellipse: s-maj=3.6km s-min=2.5km az=42.5

ISC 18 08:12:19.4+1.0, 12.94N-0.04-90.17W, 0.03, h19km, 3km, n1149, s153/179, mb5.1/337, MS4.3/30, 19C-3D, Off coast of central America

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their associated data.

Table with columns: ID, Name, Time, Frequency, Modulation, and other technical details. Includes entries like POPC Popayan, Colom, 16.88 127 eP, 959A Kechobee, 16.91 30 P, etc.

Table with columns: ID, Name, Time, Frequency, Modulation, and other technical details. Includes entries like 149A Jones, 19.81 8 P, BANI BANI, 19.82 72 eP, etc.

Table with columns: ID, Name, Time, Frequency, Modulation, and other technical details. Includes entries like X48A Hartselle, 21.61 7 P, Y53A Monroe, 21.67 15 P, etc.

18d 8h

2012 DEC

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like Loudon, Springville, Leonard, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like Wyandotte Cave, Salyersville, R47A, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like Yates City, Piper City, Murtquake, etc.

L50A	Kingsville	29.70	11	P	P	08 18 22.4	-1.8
K43A	Burlington	29.70	3	eP	P	08 18 22.9	-1.3
K43A	Burlington	29.70	3	P	P	08 18 22.6	-1.7
K42A	Prairie Point	29.74	1	P	P	08 18 22.9	-1.7
OGNE	Ogallala	29.77	342	P	P	08 18 23.7	-1.3
AAM	Ann Arbor	29.80	10	eP	P	08 18 23.4	-1.7
AAM	Ann Arbor	29.80	10	eP	P	08 18 23.4	-1.7
AAM	Ann Arbor	29.80	10	eP	P	08 18 23.4	-1.7
JFWS	Jewell Farm	29.87	360	eP	P	08 18 24.2	-1.5
JFWS	Jewell Farm	29.87	360	eP	P	08 18 24.2	-1.5
JFWS	Jewell Farm	29.87	360	eP	P	08 18 23.9	-1.9
K46A	Dorr	29.88	6	P	P	08 18 23.1	-2.7
M54A	Oil Creek Stat	29.90	16	P	P	08 18 24.1	-2.0
K47A	Vermontville	29.96	8	P	P	08 18 24.1	-2.4
PV01	Paradox Valley	29.97	330	eP	P	08 18 28.0	+1.0
ISCO	Idaho Springs	30.03	336	eP	P	08 18 27.7	+0.1
ISCO	Idaho Springs	30.03	336	eP	P	08 18 27.7	+0.1
ISCO	Idaho Springs	30.03	336	eP	P	08 18 27.1	-0.5
SMCO	Snowmass	30.07	333	eP	P	08 18 28.7	+0.6
PV02	Paradox Valley	30.11	330	eP	P	08 18 30.0	+1.8
PV13	Radium Mtn., P	30.11	330	eP	P	08 18 29.0	+0.8
GLA	Glamis	30.13	316	eP	P	08 18 30.2	+2.0
GLA	Glamis	30.13	316	eP	P	08 18 30.2	+2.0
GLA	Glamis	30.13	316	eP	P	08 18 29.6	+1.3
PV05	Paradox Valley	30.18	329	eP	P	08 18 30.0	+1.1
PV03	Paradox Valley	30.20	330	eP	P	08 18 29.9	+1.0
K48A	Perry	30.21	9	P	P	08 18 26.8	-2.0
PV18	Skein Mesa, Pa	30.22	330	eP	P	08 18 30.1	+0.9
PV12	Saucer Basin	30.23	330	eP	P	08 18 30.3	+1.1
PV11	David Mesa, Pa	30.25	330	eP	P	08 18 29.9	+0.5
PV17	East Wray Mesa	30.27	330	eP	P	08 18 30.6	+0.9
PV16	Nyswonger Mesa	30.27	330	eP	P	08 18 30.1	+0.4
J42A	Columbus	30.29	2	P	P	08 18 27.8	-1.6
K49A	Clarkston	30.30	10	P	P	08 18 27.6	-2.0
PV19	Morning Glory	30.31	330	eP	P	08 18 30.8	+0.9
J39A	Decorah	30.32	358	P	P	08 18 27.8	-1.9
J41A	Loganville	30.32	0	P	P	08 18 27.3	-2.4
PV20	West Nyswonger	30.32	330	eP	P	08 18 30.2	+0.1
Y12C	Blythe	30.34	317	eP	P	08 18 31.9	+1.9
Y12C	Blythe	30.34	317	eP	P	08 18 30.6	+0.6
J40A	Soldiers Grove	30.35	359	P	P	08 18 28.1	-2.0
J43A	Natural Harves	30.37	3	P	P	08 18 28.5	-1.7
PV14	Lion Creek	30.38	330	eP	P	08 18 31.7	+1.1
PV10	Paradox Valley	30.39	330	eP	P	08 18 31.3	+0.6
PV22	Blythe Mesa, Pa	30.39	330	eP	P	08 18 31.8	+1.2
ERPA	Erie	30.39	15	P	P	08 18 28.1	-2.3
PV23	Carpenter Ridg	30.43	330	eP	P	08 18 32.1	+1.0
K50A	Casco	30.44	11	P	P	08 18 28.5	-2.2
PV21	Cone Mtn., Pa	30.50	330	eP	P	08 18 32.1	+0.4
PV09	Paradox Valley	30.53	330	eP	P	08 18 32.8	+0.8
J47A	Sunmer	30.54	8	P	P	08 18 29.3	-2.4
J46A	Howard City	30.55	6	P	P	08 18 29.2	-2.5
J45A	Montague	30.56	5	P	P	08 18 29.4	-2.5
N59A	State Game Lan	30.59	22	P	P	08 18 31.2	-1.0
U15A	North Rim	30.69	323	eP	P	08 18 35.3	+1.8
SWSC	Sam W. Stewart	30.74	315	P	P	08 18 34.9	+1.4
W13A	Hualapai Mount	30.77	320	eP	P	08 18 35.0	+0.9
W13A	Erie	30.79	314	eP	P	08 21 32.7	+1.2
IKP	In-Ko-Pah, Jac	30.79	314	eP	P	08 18 34.8	+0.7
I39A	Houston	30.83	358	eP	P	08 18 32.4	-1.9
I39A	Houston	30.83	358	eP	P	08 18 32.4	-1.9
K52A	Tilsonburg	30.84	14	P	P	08 18 32.0	-2.3
I40A	Norwalk	30.85	359	P	P	08 18 32.0	-2.4
I42A	Draeger Farm,	30.86	2	eP	P	08 18 33.0	-1.5
I42A	Draeger Farm,	30.86	2	eP	P	08 18 32.8	-1.7
I43A	Langenfeld Bro	30.89	3	P	P	08 18 32.9	-1.8
BC3	Big Chuckawall	30.91	316	P	P	08 18 36.7	+1.5
J49A	Marlette	30.91	10	P	P	08 18 32.5	-2.4
IRM	Iron Mountain	31.00	317	P	P	08 18 37.4	+1.5
I41A	Arkdale	31.01	0	eP	P	08 18 34.5	-1.4
I41A	Arkdale	31.01	0	eP	P	08 18 34.0	-1.8
N23A	Red Fear La	31.09	336	P	P	08 18 36.7	-0.2
MONP2	Monument Peak	31.14	314	P	P	08 18 37.8	+0.4
I46A	Reed City	31.16	7	P	P	08 18 34.1	-3.0
ODNJ	Ogdensburg	31.17	23	eP	P	08 18 36.9	-0.4
I45A	Fountain	31.17	5	P	P	08 18 35.1	-2.1
ECSD	EROS Data Cent	31.18	351	eP	P	08 18 35.9	-1.5
ECSD	EROS Data Cent	31.18	351	eP	P	08 21 33.3	+1.2
ECSD	EROS Data Cent	31.18	351	eP	P	08 18 35.5	-1.9
BAR	Barrett	31.20	313	eP	P	08 18 39.6	+1.8
PHWY	Pilot Hill	31.26	337	eP	P	08 18 38.0	-0.4
J52A	Paris	31.33	14	P	P	08 18 36.4	-2.2
I47A	Gladwin	31.35	8	P	P	08 18 36.8	-2.0
I47A	Palisades	31.38	24	P	P	08 18 36.7	-2.4
KNB	Kanab	31.41	324	eP	P	08 18 41.3	+1.7

KNB	Kanab	31.41	324	eP	P	08 18 41.3	+1.7
KNB	Kanab	31.41	324	eP	P	08 18 42.4	+2.5
PKCU	White River Ci	31.42	333	eP	P	08 18 40.7	+0.9
O20A	White River Ci	31.42	333	eP	P	08 21 34.3	+1.3
O20A	White River Ci	31.42	333	eP	P	08 18 40.0	+0.2
BELC	Belle Mtn. Jos	31.48	316	P	P	08 18 40.4	+0.2
H43A	Windswept, Lux	31.49	3	eP	P	08 18 38.5	-1.5
H43A	Windswept, Lux	31.49	3	P	P	08 18 38.6	-1.5
H42A	Shiocton	31.49	2	eP	P	08 18 38.1	-1.9
H42A	Shiocton	31.49	2	eP	P	08 18 38.2	-1.9
I49A	Point Hope	31.53	10	P	P	08 18 38.1	-2.3
LDFC	Landfair	31.54	319	eP	P	08 18 43.3	+2.6
XPFO	Pizeon Flat	31.57	315	eP	P	08 18 41.3	+0.3
PFO	Pinyon Flats O	31.57	315	eP	P	08 18 41.3	+0.3
PFO	Pinyon Flats O	31.57	315	eP	P	08 18 41.3	+0.3
PFO	Pinyon Flats O	31.57	315	eP	P	08 18 42.7	+1.7
H41A	Junction City	31.57	1	eP	P	08 18 39.1	-1.7
H41A	Junction City	31.57	1	eP	P	08 18 38.8	-2.0
H40A	Chili	31.58	360	P	P	08 18 38.9	-1.9
109C	Camp Elliot, M	31.62	313	eP	P	08 18 42.4	+1.0
H4E	Camp Elliot	31.62	313	eP	P	08 18 43.1	+1.8
H48A	Sherman Twp	31.63	9	P	P	08 18 39.3	-2.0
H39A	Augusta	31.65	358	P	P	08 18 39.2	-2.2
LCMT	Little Creek M	31.65	323	eP	P	08 18 43.3	+1.6
BINY	Binghamton	31.65	20	eP	P	08 18 41.1	-0.5
BINY	Binghamton	31.65	20	eP	P	08 18 38.7	-2.8
H38A	Maiden Rock	31.68	357	P	P	08 18 40.1	-1.6
SRU	San Rafael Swe	31.69	329	eP	P	08 18 42.3	+0.2
SRU	San Rafael Swe	31.69	329	eP	P	08 18 42.3	+0.2
GMRC	Granite Mounta	31.71	318	P	P	08 18 43.7	+1.4
I51A	Listowel	31.75	13	P	P	08 18 39.9	-2.4
MTPU	Mount Pierson	31.77	326	eP	P	08 18 40.0	+0.9
H45A	Beulah	31.77	6	P	P	08 18 40.1	-2.4
H46A	File Lake	31.78	7	P	P	08 18 39.8	-2.8
Q16A	Castle Valley	31.87	328	eP	P	08 18 44.3	+0.5
P18A	Freon Nutter	31.95	330	eP	P	08 18 45.1	+0.6
SZCU	Shurtz Canyon	31.96	324	eP	P	08 18 46.5	+2.0
SZCU	Shurtz Canyon	31.96	324	eP	P	08 21 35.1	+0.5
H47A	Mio	31.96	8	P	P	08 18 42.0	-2.2
MURC	Murrieta	32.07	314	P	P	08 18 46.9	+1.5
P17A	Butcher Ranch,	32.08	329	eP	P	08 18 45.6	+0.1
CCUT	Cedar City	32.09	324	eP	P	08 18 46.9	+1.2
MSU	Marysville	32.11	326	eP	P	08 18 47.0	+1.2
MSU	Marysville	32.11	326	eP	P	08 18 47.0	+1.2
MSU	Marysville	32.11	326	eP	P	08 21 35.7	+0.7
GLMI	Graying	32.13	7	P	P	08 18 43.5	-2.2
GLMI	Graying	32.13	7	P	P	08 18 43.0	-2.7
G41A	Antigo	32.18	1	P	P	08 18 43.9	-2.1
TMUT	Trail Mountain	32.18	328	eP	P	08 18 46.5	0.0
HEC	Hector,Ludlow	32.19	317	P	P	08 18 47.9	+1.5
I52A	Shelburne	32.19	14	P	P	08 18 44.4	-1.8
H48A	Harrisville	32.19	9	P	P	08 18 43.3	-2.9
G40A	Rib Lake	32.22	360	eP	P	08 18 44.6	-1.9
G40A	Rib Lake	32.22	360	eP	P	08 18 44.2	-2.3
G45A	Suttons Bay	32.22	6	P	P	08 18 44.3	-2.2
G42A	Mountain	32.23	2	eP	P	08 18 44.7	-1.8
G42A	Mountain	32.23	2	eP	P	08 18 44.0	-2.5
G39A	Holcombe	32.25	359	P	P	08 18 44.5	-2.2
SPMN	Marine on St.	32.26	357	eP	P	08 18 45.0	-1.8
SPMN	Marine on St.	32.26	357	eP	P	08 18 44.7	-2.1
RWWY	Rawlins	32.27	336	eP	P	08 18 47.0	-0.3
G43A	Wallace	32.28	3	eP	P	08 18 44.3	-2.6
G43A	Wallace	32.28	3	eP	P	08 18 44.6	-2.3
G43A	Wallace	32.28	3	eP	P	08 18 45.2	-1.9
TCRU	Three Creeks R	32.32	326	eP	P	08 18 48.7	+0.9
SHPR	Sheep Range	32.46	321	eP	P	08 18 50.4	+1.5
G47A	Hillman	32.57	8	P	P	08 18 46.9	-2.6
G46A	Potoskey	32.59	7	P	P	08 18 47.2	-2.5
RRX	Edison Barstow	32.66	317	P	P	08 18 49.6	-0.8
F41A	Three Lakes	32.70	1	eP	P	08 18 48.6	-2.1
F41A	Three Lakes	32.70	1	eP	P	08 18 48.4	-2.3
F37A	Hinche Farm,	32.74	357	P	P	08 18 49.2	-1.8
BFSO	Mount Baldy Ra	32.74	315	P	P	08 18 52.9	+1.6
GSC	Goldstone, Bar	32.78	317	eP	P	08 18 53.4	+1.8
GSC	Goldstone, Bar	32.78	317	eP	P	08 18 53.4	+1.8
GSC	Goldstone, Bar	32.78	317	eP	P	08 18 52.9	+1.3
SHOC	Shoshone, Teco	32.79	319	P	P	08 18 49.4	-2.3
H52A	Wyevale	32.80	14	P	P	08 18 49.2	-2.3
K22A	Casper	32.82	337	eP	P	08 18 51.7	-0.3
K22A	Casper	32.82	337	eP	P	08 18 51.4	-0.6
CIS	Catalina Islan	32.83	313	P	P	08 18 53.6	+1.7
F30A	Park Falls	32.87	0	P	P	08 18 50.0	-2.2
F49A	Loretta	32.88	359	P	P	08 18 49.8	-2.4
F45A	CMU Biological	32.88	6	P	P	08 18 49.7	-2.4

F43A	Flat Rock, Esc	32.88	4	P	P	08 18 49.8	-2.5
PTGA	Pitinga	32.89	112	P			

Table with columns: Station Name, Frequency, Class, Power, and other technical details. Includes stations like Hansel Valley, Paudash Townsh, Ely, etc.

Table with columns: Station Name, Frequency, Class, Power, and other technical details. Includes stations like Wild Horse Val, Chuska, Eagleton, etc.

Table with columns: Station Name, Frequency, Class, Power, and other technical details. Includes stations like Dease Lake, Dease Lake, PLCA, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like ESDC Sonseca Array, ES19 SONSECA Array, BMDT Midelt, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like HHC, HHC, HHC, HHC, AAK, AAK, WMQ, WMQ, WMQ, WMQ, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like MRSI Marisa, JAGI Jajag, NLAJ Namlea, GMIJ Gumukmas, etc.

18d 9h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ARPS Mount Arapiles, HNR Honiara, CBJ Chichi jima, etc.

2012 DEC

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KMBO comp=2.9,0nm,1.5s, QSPA South Pole Qui, PPT comp=2.15nm,1.4s, etc.

940

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CJM Chamela, R15V R15V, MMIG Aquila, etc.

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like Pinedale Array, Goldstone, Fort Churchill, etc.

CRNET 18 09:47:01.9-0.1, 41.55N:70.52E, h35km, mb2.3
SOME 18 09:47:03.5, 41.30N:71.15E, h0km
NNC 18 09:47:05.7-1.9, 41.40N:71.37E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=18.8km s-min=8.3km az=42.0

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like Arkit, Batken, BTK, etc.

JMA 18 09:47:53.3, 23.93N, 121.59E, h42km, 1km, M3.1
ISCJB 18 09:47:54.2-0.2, 23.96N:0.02:121.65E:0.02, h39km, 4km, Error ellipse: s-maj=3.1km s-min=2.0km az=39.6
TAP 18 09:47:54.0, 23.98N:121.60E, h43km, ML3.2, B
ISC 18 09:47:54.6-1.0, 23.96N:0.02:121.63E:0.02, h33km, 2km, n64, c0595/115, 11C, Taiwan

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like Hualien, Shoufeng, ENLB, etc.

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like ENA, NANB, WVDT, etc.

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like SSD, Sandimen, MASBT, etc.

ISCJB 18 09:55:47.6:0.6, 37.13N:0.04:27.95E:0.04, h0km, Error ellipse: s-maj=5.4km s-min=4.4km az=15.3
DDA 18 09:55:48.3, 37.20N:27.79E, h7km, ML2.5, Suspected Mining explosion.
ISK 18 09:55:48.1, 37.18N:27.86E, h14km, 4km, ML1.9/5
ISC 18 09:55:47.7-1.0, 37.11N:0.04:27.95E:0.03, h0km, n9, c0560/16, Turkey

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like MLSB, BDRM, DAT, etc.

ISCJB 18 10:07:20.6:0.5, 64.71N:0.02:30.42E:0.09, h0km, Error ellipse: s-maj=5.4km s-min=3.1km az=3.5
HEL 18 10:07:22.4-0.1, 64.66N:30.63E, h0km, ML1.9, Explosion
UPP 18 10:07:23.3:2.9, 64.61N:30.60E, h0km, ML1.7
NAO 18 10:07:24.2-1.7, 64.72N:30.38E, ML2.2
IDC 18 10:07:25.9-1.9, 64.73N:30.20E, h0km, mb1 2.9/3, mb1mx2.8/5.1, mbimp2.7/3, ML2.1/3, Error ellipse: s-maj=25.8km s-min=7.6km az=101.0
BER 18 10:07:26.0-4.8, 64.72N:30.06E, h0km, ML2.2(NAO), Suspected explosion

ISC 18 10:07:22.2-0.9, 64.73N:0.03:30.65E:0.05, h0km, n44, c1549/68, Finland-Karelia border region

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like KU6, MSF, JOESUU, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Eagle, Arslanbob, Coen, Karatay Array, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ULM, DRGR, ARGES, MORC, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ROM 18:10:42:59.4, 0.2, 37.736N, etc.

18d 10h

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like GROZ Groznyy, GROG, GROC, etc.

MOS 18 10:49:42.5, 1.2, 8.83S, 111.44E, h33km, mb5.0/24, Error ellipse: s-maj=21.8km s-min=9.3km az=103.8

NEIC 18 10:49:43.1, 0.3, 8.99S, 111.44E, mb4.5/25, Error ellipse: s-maj=9.1km s-min=5.1km az=224.0

NEIC Felt [I] at Karangas and [II] at Yogyakarta. IDC 18 10:49:44.1, 0.4, 8.79S, 111.39E, h29km, mb4.3/24, ms1.3/26, mb1mx3.4/20, mbmp4.4/26, ML4.4/2, MS3.4/20, Ms1.3/4.20, ms1mx3.4/29, Error ellipse: s-maj=14.9km s-min=9.0km az=45.0

KLM 18 10:49:45.0, 9.28S, 111.118E, h4km, mb4.8 ISCBJ 18 10:49:46.0, 0.5, 9.09S, 0.04x11.29E, 0.03, h76km, 3km, mb4.5/67, Error ellipse: s-maj=6.8km s-min=3.6km az=25.9

DJA 18 10:49:46.9, 0.7, 9.2S, 111.1E, h21km, 7km, M4.9/23, mb5.3/10, mb5.0/15, MLV5.2/23, Mw(mbE)4.7/10

ISC 18 10:49:41.2, 0.3, 9.30S, 0.04x11.099E, 0.04, h22km, 1km, h22km, p-P, n376, r1936/408, mb4.8/68, MS3.5/20, 12C-SD, South of Jawa

Main station list table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC. Lists numerous stations across Indonesia.

2015 DEC

Main station list table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC. Lists numerous stations across Indonesia.

944

Main station list table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC. Lists numerous stations across Indonesia.

Table with columns: BRTR, Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details for various stations.

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details for various stations.

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details for various stations.

Technical notes and coordinates:
IDC 18 10:51:16.0:3.6, 60.49N:29.57E, h0km, Error ellipse:
s-maj=38.2km s-min=21.4km az=31.0
ISCJB 18 10:51:19.4:0.9, 60.68N:0.04:29.25E:0.10, h0km, Error ellipse:
s-maj=7.6km s-min=4.7km az=32.4
HEL 18 10:51:23.0:0.5, 60.60N:29.07E, h0km, ML1.5, Explosion
ISC 18 10:51:22.6:1.2, 60.61N:0.05:29.11E:0.06, h0km, m13,
e081717, Battic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details for various stations.

Table with columns for station name, frequency, and various signal quality metrics (e.g., S/N, SNR, error rates).

Table with columns for station name, frequency, and various signal quality metrics (e.g., S/N, SNR, error rates).

Table with columns for station name, frequency, and various signal quality metrics (e.g., S/N, SNR, error rates).

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like Ostrava-Krasne, KSP Ksiaz, ARG Arges, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, etc.

WEL 18 18:47:56.7, 42 S 173.3 E, h40km, 3km, ML3.7/18, South Island

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like KHZ Kahutara, THZ Tophouse, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 18 19:02:44.0, 2.0, 6.76S, 129.84E, h152km, 20km, mb3.4/3, mb1.3/6.8, mb1mx3.3/36, mbtmp4.0/8, MS3.9/1, Ms1.3/9.1, ms1mx2.7/19, Error ellipse: s-maj=23.0km s-min=14.4km az=84.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like SAUI Saumlaki, SAUI Saumlaki, SAUI Saumlaki, etc.

DJA 18 19:19:39.6-0.7, 8 S 7.12 E, h152km, 8km, M3.9/8, mb3.9/2, mb4.8/1, MLV3.9/8, Mw(mB)4.0/1, Flores region

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like East Wray Mesa, David Mesa, Skain Mesa, Paradox Valley, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like Fulton Ridge, La Paz, Graceind, Farmland, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like Karatay Array, Chengdu, Khabab, Sufi-Kurgan, etc.

18d 21h

ISC 18 20:34:12.2.0.7, 21.148S, 0.05:66.79W, 0.04, h229km, 7km, m48, c1524/64, mb3.8/5, 5C-5D, Southern Bolivia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Yavi, Humahuaca, Limon Verde, IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LOMAS DE OLMED, MINYE MINYE, Pisagua, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NEPTUNE Canada, ELITE Dome, Port Alice, BC, etc.

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

2012 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Prapat, Saibi, Mandailing Nat, Padang Panjang, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Warramunga Arr, Warramunga Arr, ASAR Alice Springs, etc.

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

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

960

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

IDC 18 21:35:1.3.1.4, 1.86N, 127.54E, h0km, mb3.5/4, mb1.3/7.5, mb1mx3.5/40, mbtmp3.6/5, ML3.6/1, Error ellipse: s-maj=97.3km s-min=18.9km az=73.0, Halmaheira

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

NNC 18 21:39:28.1.6.7, 37.30N, 70.57E, h0km, mb3.8, mpv3.5, 5C-6D, Error ellipse: s-maj=52.2km s-min=36.9km az=172.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Sufi-Kurgan, Sufi-Kurgan, Karatay Array, etc.

NIED 18 21:47:00.39.80N, 142.30E, h23km, Mw3.7 Best double core, MS 94.0000, 1014, NP1.9, 21.0000, 832.0000, lambda-124.00000, NP2.9, 79.0000, 864.0000, lambda-71.00000

JMA 18 21:47:46.6, 39.76N, 142.29E, h33km, 1km, M3.8, JMA Fell II J1.

IDC 18 21:47:50.1.2.3, 39.83N, 142.25E, h61km, 20km, mb3.5/10, mb1.3/7.14, mb1mx3.5/41, mbtmp3.7/14, MS2.7/3, Ms1.2/7.3, ms1mx2.4/27, Error ellipse: s-maj=21.8km s-min=12.1km az=115.0

ISC 18 21:47:55.3.0.8, 39.71N, 0.03:142.28E, 0.07, h21km, 4km, mb3.4, c1524/64, mb3.8/5, 5C-5D, Near east coast of eastern Honshu

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

Table with columns LIC, Lantto, TIC, 149.35 270, ePKP1, PKPbc, 23 13 55.4, 0.0

MDD 18 22:55:23.0±1.6, 39.00N; 13.77W, h0km, mb4.0/9, Error ellipse: s-maj=14.6km s-min=8.6km az=77.0, PRXIMO IGIL 18 22:55:23.1, 39.09N; 13.74W, h10km, ML2.6 INMG 18 22:55:23.8, 1.2, 38.90N; 14.27W, h10km, ML2.7, Error ellipse: s-maj=6.4km s-min=4.4km az=68.0 CNMR 18 22:55:28.9, 38.50N; 13.63W, h93km ISC 18 22:55:18.8±0.3, 38.96N; 0.05±13.9W±0.2, h10km, n78, ±262/132, 1D, Azores-Cape St. Vincent Ridge

Main table for 18d 23h with columns Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC

Main table for 2012 DEC with columns PVRL, Vila Real, 5.30 62, eSn, A, Sn, 22 57 37.3, -2.0

Table with columns TORO, Torodi Ar. Bea, 77.05 70, P, P, 23 28 59.6, +0.3

comp=E, 2.4nm, 0.3s, baz=248, slow=17, SNR=39 comp=E, 0.2nm, 0.4s, baz=241, slow=4.8, SNR=5.9 MKAR Makanchi Array 145.23 36, PKPbc, PKPab, 23 26 43.6, +1.1 comp=E, 0.3nm, 0.6s, baz=300, slow=3.7, SNR=5.0 NIED 18 23:38:00.37, 80N; 143.70E, h5km, Mw3.7 Best double couple: M3.58000x10^14 NP1.5x5.00000°, 0.28.00000°, λ-18.00000°. NP2.0x159.00000°, 82.00000°, λ-17.100000°. ISCJB 18 23:38:01.7±0.7, 37.79N; 0.0±143.79E; 0.06, h19km, mb3.6/4, Error ellipse: s-maj=4.6km s-min=5.8km az=16.0 JMA 18 23:38:04.5±0.2, 37.78N; 143.69E, h51km, Mw3.7, IDC 18 23:38:08.2±0.5, 37.96N; 143.65E, h63km, mb3.3/4, mb1.3/6, mb1mx3.3/35, mbtmp3.7/6, ML4.02, MS2.4/1, Ms1.2/4.1, ms1mx2.0/23, Error ellipse: s-maj=29.6km s-min=18.5km az=125.0 ISC 18 23:38:03.0±1.1, 37.91N; 0.05±143.66E; 0.07, h19km, n29, ±189/37, mb3.7/4, Off east coast of Honshu

Main table for 2012 DEC with columns Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC

BUI 18 23:56:52.4, 17.95S; 169.19E, h140km, mb4.9/40, mb5.1/20 GCMT 18 23:56:55.7±0.3, 17.93S; 0.0±168.33E; 0.03, h147km, 3km, MW4.9/74, Moment Tensor Solution. s19.c20; s74.c95; Duration: 0 Moment tensor: Scale 10^18Nm; Mrz:42.12; Mw:1.34±.15; Mw-1.15±.16; Mw-0.22±.11; Mw-1.74±.12; Mw-1.50±.11; Best double couple: M3.16000x10^16 NP1.5x156.00000°, 659.00000°, A118.00000°. NP2. 0x220.00000°, 341.00000°, A52.00000°. Principal axes: T 3.2870, Plg64.0000°, Azm1.00000°, N -0.0540, Plg2.0000°, Azm321.00000°, P -3.1330, Plg9.0000°, Azm222.00000°. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 18 23:56:56.9±1.3, 17.96S; 168.35E, h141km, 11km, mb4.4/22, mb1.4/24, mb1mx4.5/31, mbtmp4.8/24, MS3.3/9, Ms1.3/3.9, ms1mx3.1/34, Error ellipse: s-maj=11.2km s-min=9.7km az=128.0 ISCJB 18 23:56:56.0±0.2, 17.99S; 0.0±168.36E; 0.04, h150km, mb4.7/102, Error ellipse: s-maj=5.9km s-min=4.5km NEIC 18 23:56:57.1±1.0, 17.93S; 168.39E, h149km, 8km, mb4.9/67, Error ellipse: s-maj=5.5km s-min=5.0km az=159.0 NEIC Felt at Port-Vila. MOS 18 23:56:57.8±1.2, 17.91S; 168.34E, h162km, mb4.7/10, Error ellipse: s-maj=26.5km s-min=11.7km az=122.2 ISC 18 23:56:57.6±0.3, 18.04S; 0.05±168.42E; 0.07, h150km, n296, ±191/286, mb4.8/101, 24C-18D, Vanuatu Islands

Main table for 2012 DEC with columns Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like PVIS, ES19, ES19, etc.

NIED 18 23:57:00.34,00N,134.50E,h35km,Mw3.6 Best double couple: M2=56000,1014 NP1=77.00000,853.00000,1.26,00000...

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like JAI, JMAF, JMN, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like PB02, PB02, PB07, etc.

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

ISK 19 00:15:22.9,37.31N,26.62E,h5km,ML2.3/8 ISCJB 19 00:15:24.5,0.5,37.30N,0.03,26.62E,0.03,h0km,7km, Error ellipse: s-maj=4.4km s-min=4.1km az=161.4

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

ISCJB 19 00:23:28.7,0.2,6.85N,0.02,73.12W,0.03,h155km,1km, mb4.3/46, Error ellipse: s-maj=4.6km s-min=3.2km az=21.4

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

ISCJB 19 00:15:23.0,0.8,36.12N,0.04,139.39E,0.09,h78km,5km, mb3.5/4, Error ellipse: s-maj=12.1km s-min=7.5km az=2.6

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

Large table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like SJAC, PLMC, GUVIC, etc.

T46A	Princeton	32.95 338	P	P	00 29 51.1 +1.9
X40A	Basin Creek Fa	33.00 329	P	P	00 29 50.5 +0.8
S47A	Hartford	33.08 340	P	P	00 29 51.6 +1.3
R49A	Shelbyville	33.16 342	P	P	00 29 51.8 +0.7
O51A	Peebles	33.35 345	P	P	00 29 54.3 +1.6
V42A	Cord	33.36 332	P	P	00 29 53.6 +0.8
WHAR	Woolly Hollow	33.36 331	eP	P	00 29 53.4 +0.6
U43A	Rector	33.38 334	P	P	00 29 54.2 +1.2
S46A	Don Dixon Farm	33.45 339	P	P	00 29 54.9 +1.3
WC1	Wyandotte Cave	33.46 341	P	P	00 29 55.2 +1.6
R48A	Northridge Ran	33.48 342	P	P	00 29 55.4 +1.6
R47A	Woolly Knot Far	33.59 341	P	P	00 29 55.8 +1.0
P52A	Corning	33.64 347	P	P	00 29 57.1 +1.9
T44A	Benton	33.65 336	P	P	00 29 56.2 +0.9
V41A	Mountainview	33.70 331	P	P	00 29 56.3 +0.5
P51A	Williamsport	33.71 346	P	P	00 29 57.4 +1.6
U42A	Reviden	33.74 333	P	P	00 29 57.0 +1.0
R46A	Gibson Southern	33.85 339	P	P	00 29 58.1 +1.1
Q48A	North Vernon	33.92 342	P	P	00 29 59.5 +1.9
T43A	Greenville	33.94 335	P	P	00 29 58.9 +1.1
P50A	Jamestown	34.01 345	P	P	00 29 59.4 +1.0
W39A	Magazine	34.04 329	P	P	00 29 59.8 +1.1
S44A	Carbondale	34.04 337	P	P	00 29 59.9 +1.2
U41A	Viola	34.04 332	P	P	00 29 59.5 +0.8
Q47A	Bedford North L	34.14 341	P	P	00 30 00.8 +1.3
R45A	Skyler, Fairfi	34.20 338	P	P	00 30 01.2 +1.2
T42A	Van Buren	34.24 334	eP	P	00 30 00.9 +0.6
T42A	Van Buren	34.24 334	P	P	00 30 01.3 +1.0
S43A	Fulton Ridge,	34.27 336	P	P	00 30 01.3 +0.6
R44A	Waltonville	34.46 337	P	P	00 30 03.4 +1.1
O50A	Cable	34.48 346	P	P	00 30 04.3 +1.9
U40A	Yellville	34.49 331	P	P	00 30 03.6 +1.0
Q46A	CEJHS Indians,	34.53 340	P	P	00 30 04.1 +1.3
T41A	Mountain View	34.55 333	P	P	00 30 03.8 +0.8
P47A	Martinsville	34.60 342	P	P	00 30 04.7 +1.3
Q45A	Warren Harvey,	34.69 339	P	P	00 30 05.5 +1.3
S42A	Caledonia	34.73 335	P	P	00 30 05.3 +0.7
FVM	French Village	34.76 336	eP	P	00 30 05.6 +0.7
R43A	Red Bud	34.81 336	P	P	00 30 06.2 +0.9
N50A	Nevada	34.96 347	P	P	00 30 08.1 +1.6
S41A	Jillico Farms,	34.99 334	P	P	00 30 08.3 +1.4
P46A	Rosedale	35.01 341	P	P	00 30 08.6 +1.5
P45A	Graceland, Par	35.11 340	P	P	00 30 09.4 +1.6
CCM	Cathedral Cave	35.16 335	eP	P	00 30 09.0 +0.8
CCM	Cathedral Cave	35.16 335	P	P	00 30 09.1 +0.8
R42A	Luebbering	35.16 335	P	P	00 30 09.4 +1.0
O47A	Sheridan	35.26 343	P	P	00 30 10.4 +1.3
R41A	Rosebud	35.42 335	P	P	00 30 11.3 +0.8
M50A	Fremont	35.53 347	P	P	00 30 13.1 +1.6
Q42A	Golden Eagle	35.60 336	P	P	00 30 13.2 +1.2
ABTX	Abilene, Hawle	35.61 320	P	P	00 30 12.8 +0.5
TUL1	Leonard	35.63 327	P	P	00 30 12.8 +0.4
SFIN	Lafayette	35.67 342	P	P	00 30 13.7 +1.1
P43A	Skaggs, Pawnee	35.84 338	P	P	00 30 14.7 +0.6
O44A	Mansfield	35.92 340	P	P	00 30 15.2 +0.5
Q41A	Truxton	35.92 336	P	P	00 30 15.6 +0.9
N46A	Monticello	36.03 342	P	P	00 30 16.9 +1.3
P42A	Winchester	36.10 337	P	P	00 30 16.9 +0.6
M46A	Old House Fiel	36.39 343	P	P	00 30 19.7 +1.0
TX31	Lajitas Ar. Si	36.47 312	eP	P	00 30 19.8 0.0
TXAR	Lajitas Array	36.47 312	P	P	00 30 20.8 0.0
TXAR	comp=Z,2.1nm,0.7s,baz=134,slow=6.0,SNR=8.7		PcP	PcP	00 32 41.2 +0.7
WMOK	Wichita Mounta	36.48 323	eP	P	00 30 19.8 +0.1
WMOK	Wichita Mounta	36.48 323	P	P	00 30 19.5 -0.2
L47A	Sherwood	36.60 345	P	P	00 30 21.5 +1.0
O41A	Passleys Farm,	36.77 337	P	P	00 30 22.6 +0.6
N43A	Stutzman Famil	36.86 340	P	P	00 30 23.1 +0.3
N42A	Yates City	37.07 338	P	P	00 30 24.8 +0.3
K48A	Perry	37.11 346	P	P	00 30 25.8 +1.0
K47A	Vermontville	37.20 345	P	P	00 30 26.5 +1.0
N41A	Harden Midland	37.27 337	P	P	00 30 26.4 +0.2
I51A	Listowel	37.46 351	P	P	00 30 28.8 +1.0
H56A	Elgin	37.70 356	P	P	00 30 30.6 +0.9
H55A	Tweed	37.73 355	P	P	00 30 31.3 +1.3
H52A	Wyeale	38.11 352	P	P	00 30 34.5 +1.3
AMTX	Amarillo	38.36 321	eP	P	00 30 36.5 +1.0
AMTX	Amarillo	38.36 321	P	P	00 30 36.8 +1.3
KSU1	Kansas State U	38.48 330	P	P	00 30 36.3 +0.1
MSTX	Muleshoe	38.49 319	P	P	00 30 37.1 +0.4
K42A	Prairie Point,	38.56 341	P	P	00 30 37.4 +0.5
L49A	Anamosa	38.58 338	P	P	00 30 37.2 0.0
L39A	Vinton	38.93 337	P	P	00 30 40.1 +0.1
MNTX	Cornudas Mount	38.98 314	eP	P	00 30 41.5 +0.9
MNTX	Cornudas Mount	38.98 314	P	P	00 30 41.6 +0.9

JFWS	Jewell Farm	38.98 340	eP	P	00 30 40.3 -0.2
JFWS	Jewell Farm	38.98 340	P	P	00 30 40.9 +0.4
K40A	Colesburg	39.11 339	P	P	00 30 41.2 -0.3
L43A	Langenfeld Bro	39.18 343	P	P	00 30 42.1 -0.1
SCIA	State Center	39.22 336	P	P	00 30 42.9 +0.4
H45A	Seulah	39.29 345	P	P	00 30 43.7 +0.7
J41A	Loganville	39.30 340	P	P	00 30 43.4 +0.3
G47A	Hillman	39.31 348	P	P	00 30 44.5 +1.3
K39A	Oelwein	39.38 338	P	P	00 30 44.8 0.0
I42A	Draeger Farm,	39.42 342	P	P	00 30 44.8 +0.6
F49A	Sandfield	39.54 350	P	P	00 30 45.4 +0.4
J40A	Soldiers Grove	39.58 340	P	P	00 30 45.6 +0.1
E53A	Dumoine, Ponti	39.58 355	P	P	00 30 46.5 +1.1
E52A	Mattawa	39.58 354	P	P	00 30 46.6 +1.2
G45A	Suttons Bay	39.59 346	P	P	00 30 47.0 +1.5
J39A	Decorah	39.86 339	P	P	00 30 48.1 +0.3
H42A	Keokuk	39.87 343	P	P	00 30 48.9 +1.2
I41A	Arkdale	39.88 341	P	P	00 30 48.5 +0.6
E51A	G1948 Merrick	39.92 353	P	P	00 30 50.1 +1.9
I40A	Norwalk	39.97 340	P	P	00 30 49.6 +0.9
F45A	CMU Biological	40.16 346	P	P	00 30 51.5 +1.3
D52A	ZEK Kipawa Sen	40.24 354	P	P	00 30 51.9 +1.0
I39A	Houston	40.25 339	P	P	00 30 51.0 +0.1
E48A	Lockeyer	40.26 350	P	P	00 30 52.2 +1.2
D54A	Lac Fusel, La	40.27 356	P	P	00 30 52.8 +1.7
D53A	Lac Vavive, Po	40.28 355	P	P	00 30 52.8 +1.6
G43A	Wallace	40.31 344	P	P	00 30 52.3 +0.9
E47A	Iron Bridge	40.43 349	P	P	00 30 53.8 +1.4
D51A	Lot 18 Range I	40.46 353	P	P	00 30 54.1 +1.5
G42A	Mountain	40.51 343	P	P	00 30 53.8 +0.8
E46A	Sault Ste Mari	40.55 348	P	P	00 30 54.7 +1.4
H40A	Chili	40.55 341	P	P	00 30 54.0 +0.6
F44A	Big Bay de Noc	40.65 346	P	P	00 30 54.6 +0.4
F43A	Flat Rock, Esc	40.71 345	P	P	00 30 55.3 +0.6
D48A	Paushi Townsh	40.87 351	P	P	00 30 57.6 +1.6
H39A	Augusta	40.89 340	P	P	00 30 57.0 +0.8
D49A	Beulah Townshi	40.90 351	P	P	00 30 57.7 +1.5
G40A	Rib Lake	41.06 342	P	P	00 30 58.5 +0.9
F41A	Three Lakes	41.15 343	P	P	00 30 59.3 +0.9
G39A	Holcombe	41.39 341	P	P	00 31 00.8 +0.6
T25A	Trinidad	41.50 321	P	P	00 31 03.2 +1.6
ANMO	Albuquerque	41.52 317	P	P	00 31 03.2 +1.5
F40A	Park Falls	41.62 342	P	P	00 31 03.1 +0.9
LAZ	Ladron	41.68 316	eP	P	00 31 02.8 -0.3
F39A	Loretta	41.87 341	P	P	00 31 04.8 +0.6
SPMN	Marine on St.	41.90 339	P	P	00 31 05.4 +1.0
E40A	Waufield	42.03 343	P	P	00 31 06.6 +1.1
ECSD	EROS Data Cent	42.14 334	eP	P	00 31 06.5 0.0
ECSD	EROS Data Cent	42.14 334	P	P	00 31 06.6 +0.2
E39A	Mellen	42.17 342	P	P	00 31 07.5 +0.9
F38A	Pierce - Schro	42.22 340	P	P	00 31 07.9 +0.9
SDCO	Great Sand Dun	42.55 321	eP	P	00 31 07.7 -2.5
Q24A	Divide	43.10 323	P	P	00 31 16.2 +1.6
TUC	Tucson	43.26 311	eP	P	00 31 15.7 0.0
TUC	Tucson	43.26 311	P	P	00 31 16.8 +1.0
S22A	Red Ranch, Cre	43.39 320	eP	P	00 31 19.0 +2.1
S22A	4UR Ranch, Cre	43.39 320	P	P	00 31 18.4 +1.5
SUSD	Miller	43.73 333	P	P	00 31 19.1 -0.1
EYMN	Ely	43.86 342	eP	P	00 31 19.7 -0.5
EYMN	Ely	43.86 342	P	P	00 31 20.5 +0.3
ISCO	Idaho Springs	43.91 323	eP	P	00 31 21.8 +0.8
ISCO	Idaho Springs	43.91 323	P	P	00 31 22.4 +1.4
MVCO	Mesa Verde	44.16 318	P	P	00 31 24.2 +1.1
214A	Organ Pipe Nat	44.64 309	P	P	00 31 27.9 +1.2
N23A	Red Feather La	44.80 324	eP	P	00 31 28.9 +0.8
N23A	Red Feather La	44.80 324	P	P	00 31 29.4 +1.3
PV13	5.7mm, 0.7s	44.91 319	eP	P	00 31 29.9 +1.0
WUAZ	Wupatki	45.23 315	eP	P	00 31 32.8 +1.3
WUAZ	Wupatki	45.23 315	P	P	00 31 32.7 +1.3
AGMN	Agassiz Nation	45.61 339	eP	P	00 31 34.8 +0.7
AGMN	Agassiz Nation	45.61 339	P	P	00 31 34.4 +0.4
O20A	White River Ci	45.70 322	P	P	00 31 36.5 +1.4
RSSD	Black Hills	45.94 329	P	P	00 31 37.6 +0.6
K22A	Butcher Ranch,	46.29 320	eP	P	00 31 39.1 +0.2
P17A	Butcher Ranch,	46.29 320	P	P	00 31 45.7 +1.7
ULM	Lac du Bonnet	47.27 340	P	P	00 31 46.9 0.0
ULM	Lac du Bonnet	47.27 340	eP	P	00 31 47.0 0.0
LCMT	Little Creek M	47.28 315	eP	P	00 31 48.8 +1.4
PD31	Pinedale Array	48.08 324	eP	P	00 31 54.5 +0.9
PDAR	Pinedale Array	48.08 324	P	P	00 31 54.0 +0.4
PDAR	comp=Z,0.3nm,0.6s,baz=144,slow=3.4,SNR=2.8		PcP	PcP	00 33 18.3 -0.7
BW06	Boulder Array	48.08 324	eP	P	00 31 54.1 +0.5
SCHO	Schefferville	48.11 5	P	P	00 31 53.5 +0.1
TCUT	Toone Canyon	48.23 321	eP	P	00 31 55.6 +0.8
PSUT	Pine Spring	48.45 317	eP	P	00 31 57.5 +1.0
TUQ	Turquoise Moun	48.48 312	P	P	00 31 57.8 +1.1

DUG	Dugway, Tooele	48.62 319	P	P	00 31 59.0 +1.4
GSC	Goldstone, Bar	49.07 312	P	P	00 32 01.9 +0.8
DGMT	Dagmar	49.14 333	eP	P	00 32 02.4 +1.0
DGMT	Dagmar	49.14 333	P	P	00 32 02.4 +1.0
REDW	Red Top Meadow	49.20 324	eP	P	00 32 02.1 0.0
LOHW	Long Hollow	49.20 324	eP	P	00 32 02.9 +0.7
MOOW	Mooson Farm	49.36 324	eP	P	00 32 04.1 +0.7
R11A	Troy Canyon, C	49.55 316	eP	P	00 32 05.7 +0.9
R11A	Troy Canyon, C	49.55 316	P	P	00 32 06.0 +1.2
ARVC	Arvin	50.52 310	P	P	00 32 12.2 +0.3
BOZ	Bozeman (W)	50.98 326	eP	P	00 32 15.8 +0.4
BOZ	Bozeman (W)	50.98 326	P	P	00 32 16.8 +1.4
MCMT	McKenzie Canyo	51.22 324	eP	P	00 32 18.4 +1.0
HLID	Hailey	51.44 322	eP	P	00 32 19.5 +0.6
HLID	Hailey	51.44 322	P	P	00 32 20.2 +1.3
NVAR	Mina Array Bea	51.49 315	P	P	00 32 19.9 +0.5
MFID	Camas Ranch	52.23 321	eP	P	00 32 25.4 +0.7
WVOR	Wild Horse Val	53.53 319	eP	P	00 32 34.6 +0.3
FCC	Fort Churchill	54.26 347	eP	P	00 32 38.4 -0.6
G08A	Pilot Rock	55.12 322	eP	P	00 32 45.9 +0.2

19d 5h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TPVR Parvadeh(Tabas), KFJVS 5.02 265 S, etc.

IDC 19 04:24:00.0, 0.8, 18.29N; 146.87E, h0km, mb3.9/10, mb1 4.2/11, mb1mx3.9/49, mbtmp3.9/11, ML4.0/1, MS3.2/6, Ms1 3.2/6, ms1mx2.9/33, Error ellipse: s-maj=30.9km s-min=19.1km az=104.0

ISCJB 19 04:24:06.0, 0.5, 18.34N; 0.05:146.8E:0.1, h52km, mb4.0/14, MS3.2/6, Error ellipse: s-maj=15.6km s-min=5.8km az=18.9

NEIC 19 04:24:07.4, 1.1, 18.27N; 146.80E, h53km; 10km, mb4.2/3, Error ellipse: s-maj=11.5km s-min=6.6km az=89.0

ISC 19 04:24:07.3, 0.8, 18.31N; 0.06:146.8E:0.2, h52km, n33, 0.85B/23, mb4.0/14, MS3.2/6, Mariana Islands

Main table for 19d 5h section, listing stations like SARN Sarigan, MAJO Anatahan, H1S13 WAKE ISLAND, etc.

IDC 19 04:27:20.9, 2.0, 37.05S; 75.02W, h0km, mb3.6/2, mb1 3.9/3, mb1mx3.5/23, mbtmp3.6/3, ML4.0/1, Error ellipse: s-maj=61.1km s-min=28.2km az=55.0

ISCJB 19 04:27:22.6, 1.0, 37.22S; 0.05:75.10W:0.9, h33km, mb3.5/2, Error ellipse: s-maj=10.2km s-min=6.3km az=109.6

GUC 19 04:27:25.9, 0.6, 37.37S; 74.83W, h23km, mb3.6/2, Error ellipse: s-maj=61.1km s-min=28.2km az=55.0

ISC 19 04:27:25.5, 1.4, 37.19S; 0.06:75.1W:0.1, h35km, n14, 0.197/20, 1C, Off coast of central Chile

Table for 19d 5h section, listing stations like CCSP San Pedro de C, CCHI Chillan, TMU Temuco, etc.

NIED 19 04:45:00.36, 8.0N, 144.30E, h5km, Mw3.9 Best double couple: Ms6.79000, 1014 NP1.954, 00000, 825.00000, 1.81.00000, NP2.224.00000, 865.00000, 1.94.00000

IDC 19 04:45:51.3, 1.0, 36.57N; 144.65E, h0km, mb3.7/11, mb1 4.0/13, mb1mx3.9/45, mbtmp3.7/13, ML3.4/2, MS2.7/5, Ms1 2.7/5, ms1mx2.5/35, Error ellipse: s-maj=26.3km s-min=19.8km az=173.0

ISCJB 19 04:45:54.6, 0.6, 36.85N; 0.06:144.34E:0.05, h26km, mb3.7/11, MS2.5/1, Error ellipse: s-maj=8.9km s-min=5.1km az=169.0

JMA 19 04:45:55.6, 0.3, 36.81N; 144.34E, h53km, ML4.5 Error ellipse: s-maj=11.5km s-min=6.6km az=89.0

ISC 19 04:45:55.6, 0.3, 36.88N; 0.07:144.46E:0.07, h26km, n38, 0.29/37, mb3.8/11, Off east coast of Honshu

2012 DEC

Main table for 2012 DEC section, listing stations like JIKH Ishinomakikobu, JIKF Kawauchi, JIKH Kawauchi, etc.

ISCJB 19 04:53:30.1, 0.8, 36.00N; 0.06:140.17E:0.08, h103km, 5km, mb3.3/3, Error ellipse: s-maj=11.1km s-min=10.1km az=1.6

JMA 19 04:53:31.9, 0.1, 36.06N; 140.10E, h91km, 1km, M2.7 Error ellipse: s-maj=77.7km s-min=26.9km az=62.0

ISC 19 04:53:31.0, 1.1, 36.02N; 0.06:140.16E:0.07, h98km, 8km, n13, 0.954/20, mb3.4/3, Near east coast of eastern Honshu

Table for 2012 DEC section, listing stations like JYT Yasato, JYJ Aoshigaki, JYJ Aoshigaki, etc.

ISCJB 19 04:56:28.8, 0.4, 51.44N; 0.02:16.05E:0.02, h0km, Error ellipse: s-maj=3.3km s-min=2.1km az=12.9

PRU 19 04:56:29.8, 0.0, 51.53N; 16.08E, h0km Error ellipse: s-maj=3.3km s-min=2.1km az=12.9

BGR 19 04:56:30.7, 0.5, 51.49N; 16.07E, h1km, ML3.0/14, Error ellipse: s-maj=5.6km s-min=3.3km az=19.0

ISC 19 04:56:28.6, 0.8, 51.57N; 0.04:16.09E:0.02, h0km, n57, 0.884/11, 2D, Poland

Table for 2012 DEC section, listing stations like KSP Ksiaz, KSP Ksiaz, UPIC Upice, etc.

970

Main table for 970 section, listing stations like PRU Pruhoniche, PRU Pruhoniche, PRU Pruhoniche, etc.

ISCJB 19 05:01:58.4, 0.6, 36.65N; 0.05:71.34E:0.06, h200km, n46, 0.274/60, mb3.6/8, 9C-7D, Afghanistan-Tajikistan region

ISC 19 05:01:58.5, 0.3, 36.67N; 0.03:71.30E:0.05, h200km, mb3.5/8, Error ellipse: s-maj=6.0km s-min=3.7km az=165.5

NINC 19 05:02:02.0, 1.4, 37.02N; 70.98E, h156km; 18km, mb3.5, mpv4.3, Error ellipse: s-maj=14.4km s-min=9.5km az=156.0

ISC 19 05:01:58.4, 0.6, 36.65N; 0.05:71.34E:0.06, h200km, n46, 0.274/60, mb3.6/8, 9C-7D, Afghanistan-Tajikistan region

Table for 970 section, listing stations like CEP Cherat, CHCP Chirah Chowk, SFK Sufi-Kurghan, etc.

ISCJB 19 08:02:44.6,0.5,35.79N,0.07,137.15E,0.07, h275km,4km,mb3.1/3, Error ellipse: s-maj=12.7km s-min=7.7km az=152.5

JMA 19 08:02:45.1,0.1,35.82N,137.12E, h272km,1km,M3.1

IDC 19 08:02:45.5,1.3,35.70N,137.10E, h270km,1.3km,mb3.0/3, mb1.3/2.5,mb1mx2.8/67,mbtmp3.6/5, Error ellipse: s-maj=20.5km s-min=20.5km az=94.0

ISC 19 08:02:45.4,0.8,35.80N,0.08,137.15E,0.06, h270km,7km, n26,c097/35,mb2.8/3, Eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
JGF	Kuroka	0.26	139	P	Pn	08 03 19.9	+0.3
JGF	Yamatogata	0.39	239	P	S	08 03 20.1	+0.5
JYTA	Obara	0.54	170	P	Pn	08 03 20.8	0.0
JAO				S	Pn	08 03 48.1	+0.6
JNY	Yasuoki	0.73	127	P	Pn	08 03 21.2	+0.2
JNG	Eigenji	0.90	223	P	Pn	08 03 22.5	+0.4
HMMU	Hamamatsu 2	1.05	153	P	Pn	08 03 23.1	+0.3
MAT	Matsushiro	1.14	49	S	Pn	08 03 25.8	+2.6
MAT	Matsushiro	1.14	49	P	Pn	08 03 23.7	+0.5
MJAR	Matsushiro Arr	1.14	49	P	Pn	08 03 23.8	+0.6
JYN	Shimo	2.2m,0.3s,baz=230,slow=7,SNR=16			Pn	08 03 23.7	+0.1
JRY	Yogami san	1.44	81	P	Pn	08 03 25.7	+0.5
JRY				eS	Pn	08 03 58.4	+1.7
JIE	Ise	1.45	195	P	S	08 03 25.7	+0.4
JIE				eS	Pn	08 03 57.0	+0.2
JWT	Wachi	1.51	251	P	S	08 03 56.1	+1.5
JWT				S	Pn	08 03 27.7	+0.4
JKN2	Miekiokoku	1.71	205	P	Pn	08 03 27.4	+0.2
JHU	Hanno	1.73	88	P	S	08 03 27.7	+0.4
JHO				S	Pn	08 04 00.3	+0.2
TJ02	Tokai 2	1.91	165	P	S	08 03 29.5	+0.9
JAG	Ashikaga	1.97	71	P	S	08 03 29.5	+0.9
JAG				S	Pn	08 04 03.9	+0.1
TJ01	TONANKAI O.B.S.	2.19	188	P	S	08 03 32.0	+1.1
JTNC	Tanabenahech	2.34	213	P	S	08 03 32.6	+0.1
BS04	Boso 4	2.73	106	P	S	08 04 16.3	+0.3
JHO	Hitachi	2.88	73	P	S	08 03 37.2	+0.7
JHO				S	Pn	08 04 16.1	+2.9
KSR5	Karasu Array	7.6	285	P	Pn	08 04 34.8	+1.1
KLR	Kul'dur	14.00	345	P	Pn	08 05 51.7	+0.9
ILAR	Eielson Array	17.32	32	P	Pn	08 11 30.7	+1.0
WRA	Warramunga Arr	55.50	183	P	Pn	08 11 52.0	+0.8
ARC5	ARCCESS Array B	63.92	309	P	Pn	08 12 49.9	+0.5

ISCJB 19 08:03:53.9,0.3,34.48S,0.06,109.3W,0.1, h1km, mb4.6/50,MS4.0/10, Error ellipse: s-maj=12.3km s-min=8.6km az=169.5

IDC 19 08:03:55.0,0.3,34.35S,109.40W, h0km,mb2.4/8, mb1.4/5.8,mb1mx4.2/25,mbtmp4.2/8,MS3.9/10, Ms1.9/10,ms1mx3.2/22, Error ellipse: s-maj=27.4km s-min=18.6km az=96.0

NEIC 19 08:03:57.0,0.3,34.48S,109.29W, h10km,mb4.7/45, Error ellipse: s-maj=13.1km s-min=7.9km az=91.0

GCMT 19 08:03:58.0,0.4,34.62S,109.07W,0.03, h20km,1km, MW4.9/60, Moment Tensor Solution. s25,c30; s60,c82; Duration: 0 Moment tensor: Scale 10¹⁶Nm; Mrr-1.93e-21; Mss-0.24e-21; Mtt-2.18e-21; Mtr-1.29e-20; Mss-0.28e-20; Mtr-0.69e-21; Best double couple: Me2.535000*10¹⁶ NP1=328.00000°,δ62.00000°,λ-118.00000°. NP2: φs196.00000°,δ39.00000°,λ-49.00000°. Principal axes: T=2.3940, P1g12.0000°, Azm78.0000°, N=0.2830, P1g25.0000°, Azm342.0000°, P=2.6760, P1g62.0000°, Azm192.0000°. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 19 08:03:57.4,0.7,34.55S,110.109,3W,0.1, h12km,3km, h13km;pp-P,n105,c19112,mb4.7/50,MS4.0/10,C, Southern East Pacific Rise

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res	
						h m s	ISC	
RPN	Rapa Nui	7.30	360	Op	LR	08 07 46.5		
RKT	Rikitea	25.09	290	eLR	LR	08 15 27.8		
RKT	Rikitea	1.9m,0.3s			T	08 35 11.7		
TBI	Tubuai	35.63	270	eS	S	08 16 47.2	+0.7	
TBI		82nm,28.8s			eLR	LR	08 20 56.2	
LVC	Limon Verde	37.18	82	P	P	08 11 09.8	+1.0	
LVC	Limon Verde	37.18	82	P	P	08 11 09.8	+0.5	
LVC				eP	Pn	08 11 09.8	+1.0	
TAOE	Nuku Hiva Isla	38.06	305	eLR	LR	08 21 28.5		
MMNC	Minye Minye	38.34	77	eP	Pn	08 11 18.7	+0.2	
PPT2	Papeete 2	39.59	285	eS	S	08 17 33.0	+1.5	
PPT2		705nm,25.2s			eLR	LR	08 22 11.9	
PPT	Papeete	39.60	285	LR	P	08 23 14.9		
LPAZ	La Paz	41.04	74	P	P	08 11 42.0	+0.6	
LPAZ		1.8nm,0.8s,baz=239,slow=8.3,SNR=5.7			LR	LR	08 24 40.4	
LPAZ	La Paz	41.04	74	P	P	08 11 41.8	+0.3	
CPUP	Villa Florida	45.16	94	LR	LR	08 28 11.7		
ROSC	El Rosal	51.14	47	LR	Pn	08 30 43.6		
ROSC	El Rosal	51.14	47	eP	P	08 13 02.2	+1.4	
SBA	Scott Base	55.33	195	eP	P	08 13 31.5	+1.2	
QSPA	South Pole Qui	55.75	180	P	P	08 13 34.6	+0.9	
QSPA		6.1nm,0.9s,baz=133,slow=3.9,SNR=16			PcP	PcP	08 14 33.0	+0.3
QSPA		3.1nm,0.8s,baz=108,slow=4.5,SNR=4.5			LR	LR	08 33 20.1	
QSPA		comp=Z,53nm,19.7s,baz=118,slow=92			P	P	08 13 34.4	+0.7
QSPA		7.7m,0.9s			eP	Pn	08 13 34.6	+0.9
QSPA				eP	PcP	08 14 33.0	+0.3	
VNDA	Vanda	56.41	195	P	P	08 13 39.1	+1.1	
VNDA		1.6nm,0.8s,baz=105,slow=6.3,SNR=8.9			LR	LR	08 32 21.3	
VNDA		comp=Z,7.1nm,21.6s,baz=123,slow=30			P	P	08 13 38.4	+0.4
VNDA		56.41	195	eP	P	08 13 39.1	+1.1	
BDPB	Brasilia	57.98	87	LR	P	08 36 16.8		
VNA3	Neumayer Olymp	60.79	159	P	P	08 14 08.4	+0.2	
VNA1	Neumayer-Stat	61.14	158	P	P	08 14 13.4	+0.4	
VNA2	Neumayer-Watz	61.59	159	P	P	08 14 13.7	+0.4	
SNA4	Snae	62.61	160	P	P	08 14 20.4	+0.6	
SNA4	Snae	62.61	160	eP	P	08 14 20.1	+0.9	
LTX	Lajitas	63.67	6	eP	P	08 14 27.9	+0.6	
TX31	Lajitas Ar. Sry	63.67	6	P	P	08 14 28.7	+0.0	
TX31				eP	P	08 14 27.9	+0.6	
TXAR	Lajitas Ar. Sry	63.67	6	P	P	08 14 27.9	+0.6	
JCT	Junction City	65.20	9	P	P	08 14 37.6	+0.9	
MNTX	Cornudas Mount	65.90	4	eP	P	08 14 42.8	+0.1	
LENZ	Lemitar	68.30	2	eP	P	08 14 58.2	+0.1	
WUPAKI	Wupaki	69.64	358	eP	P	08 15 05.8	+0.8	

ISA	Isabella, Lake	70.28	352	eP	P	08 15 10.6	+0.2	
U15A	North Rim	70.57	357	eP	P	08 15 12.0	+0.5	
SHPR	Sheep Range	70.81	355	eP	P	08 15 14.0	+0.3	
W41B	Gary Mavity, V	71.08	15	eP	P	08 15 15.0	+0.2	
TUL1	Leonard	71.13	12	eP	P	08 15 14.9	+0.6	
TUL1		8.9nm,0.9s			ePcP	Pn	08 15 20.5	+0.5
HHAR	Hobbs	71.82	13	eP	P	08 15 19.3	+0.4	
PV17	East Wray Mesa	72.37	0	eP	P	08 15 22.0	+1.1	
PV17		13nm,0.6s			ePcP	PcP	08 15 45.3	+4.3
R11A	Troy Canyon, C	72.67	355	eP	P	08 15 25.8	+0.9	
PSUT	Pine Spring	72.74	356	eP	P	08 15 26.2	+0.8	
NV11	Mina Array Sit	72.93	353	eP	P	08 15 27.8	+1.1	
NV01	Mina Array Sit	72.93	353	eP	P	08 15 27.7	+0.8	
NVAR	Mina Array Bea	72.99	353	eP	P	08 15 27.7	+0.9	
Q16A	Castle Valley	73.02	57	eP	P	08 15 27.7	+0.7	
T42A	Van Buren	73.11	15	eP	P	08 15 28.2	+0.9	
SRU	San Rafael Swe	73.20	359	eP	P	08 15 28.7	+0.6	
DVM	North Dzumac	73.30	254	eLR	LR	08 37 46.6		
KZN	Kaiserville	73.59	353	eP	P	08 15 31.1	+0.8	
YERR	Yerlington	73.65	352	eP	P	08 15 31.6	+0.9	
T47A	Sharon Grove	74.03	18	eP	P	08 15 32.6	+0.1	
NLU	North Lily Min	74.08	358	eP	P	08 15 33.6	+0.3	
PAHR	Path Rah Range	74.38	352	eP	P	08 15 35.8	+0.9	
N23A	Red Feather La	75.04	3	eP	P	08 15 40.2	+1.3	
K22A	Gaspere	76.78	2	eP	P	08 15 49.4	+0.8	
BW06	Boulder Array	76.85	360	eP	P	08 15 49.3	+0.2	
PD31	Pinedale Array	76.85	360	eP	P	08 15 48.6	+0.5	
PDAR	Pinedale Array	76.85	360	LR	LR	08 45 57.2		
PDAR		comp=Z,70nm,20.1s,baz=116,slow=33			P	P	08 15 48.2	+0.8
WVOR	Wild Horse Val	76.99	353	eP	P	08 15 50.3	+0.6	
REDW	Red Top Meadow	77.46	359	eP	P	08 15 52.0	+0.0	
SNOW	Snow King Moun	77.56	359	eP	P	08 15 53.2	+0.2	
LOHW	Long Hollow	77.70	359	eP	P	08 15 54.0	+0.1	
MFID	Camas Ranch	77.72	355	eP	P	08 15 54.7	+0.9	
FXWY	Fox Creek	77.73	359	eP	P	08 15 54.1	+0.1	
HLID	Hailey	77.78	356	eP	P	08 15 55.1	+0.9	
J00A	Circle Bar Ran	77.89	353	eP	P	08 15 57.7	+0.9	
FLWY	Flagg Ranch	78.17	359	eP	P	08 15 56.9	+0.5	
MCMT	McKenzie Canyo	78.97	357	eP	P	08 16 01.7	+0.8	
RLMT	Red Lodge	79.20	0	eP	P	08 16 02.6	+0.5	
BMO	Blue Mountains	79.27	354	eP	P	08 16 03.0	+0.8	
BOZ	Bozeman (W)	79.70	358	eP	P	08 16 05.3	+0.5	
G08A	Pilot Rock	79.85	353	eP	P	08 16 06.5	+1.0	
NEW	Yellowknife Ar	86.24	355	eP	P	08 16 20.8	+0.6	
STKA	Stephens Creek	86.21	234	LR	LR	08 49 14.9		
YKA	Yellowknife Ar	86.24	355	eP	P	08 17 25.6	-1.1	
YKAS	Malin Array Be	145.94	49	PKPbc	PKPbc	08 23 26.3	+2.1	
NONO	Nonotuk	146.81	249	P	PKPab	08 23 40.8	-0.3	
KLMR	Klimovskoe	146.84	28	ePKPdf	PKPdf	08 23 34.3	-2.5	
ENH	Enshi	147.10	274	ePKPdf	PKPbc	08 23 40.0	-0.3	
HHC	Hu-ho-hao-te	147.23	293	eP	PKPbc	08 23 40.0	-0.5	
XAN	Xi'an	148.51	280	P	PKPbc	08 23 43.5	-0.6	
ULN	Ulanbaatar	149.81	307	ePKPdf	PKPdf	08 23 44.3	+2.0	
BRTR	Keskin Array B	150.13	69	PKPbc	PKPbc	08 23 47.2	+0.8	
CM01	Chiang Mai Arr	150.21	245	ePKPdf	PKPdf	08 23 40.4	+0.4	
CMAR	Chiang Mai Arr	150.24	245	PKPbc	PKPbc	08 23 49.2	+0.4	
SONA1	Songino Array	150.24	308	ePKPdf	PKPdf	08 23 42.0	-1.0	
SONA2	Songino Array	150.25	308	ePKPdf	PKPdf	08 23 42.0	-1.0	
SONA3	Songino Array	150.25	308	ePKPdf	PKPdf	08 23 47.1	-1.5	
SONM	Songino Array	150.25	308	PKP	PKPdf	08 23 42.3	-0.6	
SONM		comp=Z,9.3nm,0.9s,baz=143,slow=3.1,SNR=4.4			sPKPdf	08 23 47.1	-1.5	
CMMT	Chiang Mai	150.45	245	P	PKPbc	08 23 49.9	+0.6	
CHTO	Chiang Mai	150.46	245	ePKPbc	PKPbc	08 23 49.5	+0.2	
CHTO		comp=Z,12nm,1.1s			PKPbc	08 23 50.0	+0.7	
CD2	Chengdu	152.01	272	PKPbc	PKPdf	08 23 45.3	-0.8	
LZH	Lanzhou	152.95	283	ePKPbc	PKPdf	08 23 42.9	-4.5	
LZH				pPKP	pPKPdf	08 23 46.3	-5.4	
LZH				sPKP	PKPbc	08 23 47.5	-0.1	
LZH				PKPbc	LR	08 24 03.1	-2.9	
LZH		comp=N,65nm,18.2s			LR	LR		
LZH		comp=E,70nm,18.3s			LR	LR		
GTA	Gaotai	156.25	291	eP	PKPdf	08 23 50.8	-1.1	
GTA				eP	sPKPdf	08 23 57.6	0.0</	

NIED 19 08:31:00.37:30N:142.10E, h11km, Mw3.6 Best double couple: M3.170000-1014 NP1.122.00000, 836.00000, 1-90.00000. NP2.302.00000, 654.00000, 1-90.00000.

IDC 19 08:31:01.02:2.37:41N:142.63E, h0km, mb3.7/5, mb1 3.8/6, mb1mx3.5/4.0, mbtmp3.7/6, ML3.4/1, Error ellipse: s-maj=65.7km s-min=23.1km az=62.0

JMA 19 08:31:04.8:0.2:37.35N:142.13E, h31km, mb4.0, M4.0 ISC 19 08:31:03.0:2.8:37.40N:142.13E:0.0, h1km, 16km, n25, +127/30, mb3.85, Off east coast of Honshu

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

NEIC 19 08:35:31.7:0.0, 17.47N:67.45W, h21km, MD3.4(RSPR), After RSPR.

RSPR 19 08:35:31.7:17.47N:67.45W, h21km, 15km, MD3.4/15, 24C-8D, Mona Passage

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the Mona Passage region.

IDC 19 08:46:42.0:0.7, 10.56N:141.64E, h0km, mb4.1/2, mb1 4.8/13, mb1mx2.4/2.42, mbtmp4.4/13, ML3.4/1, MS3.3/11, Ms1 3.3/11, ms1mx3.0/4.5, Error ellipse: s-maj=21.8km s-min=16.5km az=96.0

BJJ 19 08:46:41.7:10.87N:142.11E, h17km, mb4.7/11, mb4.9/8 ISCJB 19 08:46:44.8:0.4, 10.49N:142.05:141.65E:0.07, h33km, mb4.4/20, MS3.3/9, Error ellipse: s-maj=10.5km s-min=7.0km az=26.5

NEIC 19 08:46:46.9:1.3, 10.50N:141.69E, h36km, 12km, mb4.3/6, Error ellipse: s-maj=9.4km s-min=5.9km az=92.0

ISC 19 08:46:47.5:0.7, 10.50N:141.69E:0.1, h35km, n51, +0986/44, mb4.4/20, MS3.3/9, 1C, Western Caroline Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the Western Caroline Islands.

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

SONAO Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONM Songoing Array 47.50 328 P P 08 55 19.2 -0.1

SONA1 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA2 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA3 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA4 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA5 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA6 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA7 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA8 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA9 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA10 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA11 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA12 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA13 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA14 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA15 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA16 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA17 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA18 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA19 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA20 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA21 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

SONA22 Songoing Array 47.50 328 eP P 08 55 19.2 -0.1

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

USRK Ussuriysk Ar. 19.67 334 P Pn 09 27 20.7 +2.4

YSS Yuzh-Sakhalins 20.02 358 eP P 09 27 21.0 +0.5

SSLB Sualung 20.78 266 eP P 09 27 25.1 -3.9

MDJ Mudanjing 21.00 331 eP Pn 09 27 32.9 -0.9

KLR Kul'dur 21.13 341 P P 09 28 04.3 +1.0

SONAO Songoing Array 35.78 316 P P 09 29 48.6 +1.9

SONM Songoing Array 35.78 316 P P 09 29 48.6 +1.9

WR1 Warramunga Arr 47.45 193 eP P 09 31 20.9 -1.4

WR2 Warramunga Arr 47.45 193 eP P 09 31 20.9 -1.4

WR3 Warramunga Arr 47.45 193 eP P 09 31 20.9 -1.4

WR4 Warramunga Arr 47.45 193 eP P 09 31 20.9 -1.4

ZALV Zalesovo Beam 50.51 319 P P 09 31 46.1 +0.7

ZAA1 Zalesovo Array 50.51 319 eP P 09 31 46.1 +0.7

AS31 Alice Springs 51.16 192 eP P 09 31 49.0 -1.5

ASAR Alice Springs 51.16 192 P P 09 31 49.1 -1.5

MK01 Makanchi Array 51.63 310 eP P 09 31 54.1 +0.2

MK32 Makanchi Array 51.63 310 eP P 09 31 54.3 +0.4

MKAR Makanchi Array 51.63 310 eP P 09 31 54.7 +0.8

BVAR Borovoye Array 50.09 318 P P 09 32 48.2 +0.7

KK31 Karatay Array 60.28 306 eP P 09 32 56.7 +0.8

KKAR Karatay Array 60.28 306 eP P 09 32 56.7 +0.8

YKA Yellowknife Ar 71.66 29 eP P 09 34 10.9 +2.2

YKB Yellowknife Ar 71.66 29 eP P 09 34 10.9 +2.2

RES Resolute Bay 71.92 14 LR LR 10 05 52.2

OBN Obninsk 77.44 326 LR LR 10 10 56.3

IDC 19 09:34:46.5:0.7, 23.44N:143.80E, h0km, mb4.1/15, mb1 4.3/17, mb1mx4.1/4.1, mbtmp4.1/17, ML3.8/2, MS3.5/12, Ms1 3.6/12, ms1mx3.3/3.6, Error ellipse: s-maj=23.1km s-min=15.7km az=83.0

ISCJB 19 09:34:48.9:0.4, 23.49N:143.73E:0.07, h28km, mb4.3/27, MS3.6/9, Error ellipse: s-maj=9.1km s-min=6.5km az=157.0

NEIC 19 09:34:51.6:0.3, 23.49N:143.78E, h35km, mb4.6/9, Error ellipse: s-maj=7.7km s-min=6.5km az=63.0

ISC 19 09:34:50.4:0.7, 23.48N:143.80E:0.10, h28km, n66, +1516/61, mb4.3/27, MS3.5/9, Volcano Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the Volcano Islands region.

CBJ1 Chichi jima 3.88 338 ePn P 09 35 48.7 +0.5

CBJ2 Chichi jima 3.88 338 ePn P 09 35 48.7 +0.5

MJAR Matsushiro Arr 13.88 341 Pn P 09 38 04.1 -1.3

comp=2.59nm,20.3s,baz=165,slow=36

MAJO Matsushiro 13.88 341 ePn P 09 38 04.1 -1.3

MJBW Matsushiro Tunnel 13.89 341 ePn P 09 38 03.8 +2.9

MJNS Kunigami 14.45 287 LR LR 09 43 09.0

JOW Kunigami 14.45 287 ePn P 09 38 14.7 +1.6

NSU Kunigatsue 14.45 287 ePn P 09 38 07.4 +1.2

ERM Erimo 18.49 358 ePn P 09 39 02.9 -1.4

KSRS Kora Array 19.48 319 P P 09 39 16.2 -0.3

0.2nm,0.3s,baz=131,slow=12,SNR=1.1

KSRS Kora Array 19.48 319 LR LR 09 46 41.3

comp=2.257nm,18.3s,baz=130,slow=37

KS15 Wonju Array Si 19.50 319 ePn P 09 39 14.2 -1.1

KSAR Wonju Array Si 19.50 319 ePn P 09 39 14.2 -1.1

KS01 Wonju Array Si 19.52 319 ePn P 09 39 16.8 +0.6

NACB Nunchang 20.32 276 ePn P 09 39 21.0 -3.5

127nm,1.8s

PK31 Pinlang 20.91 273 ePn P 09 39 30.2 -0.6

675nm,1.9s

USRK Ussuriysk Ar. 22.83 338 P P 09 39 55.0 +3.9

2.6nm,0.7s,baz=131,slow=7.9,SNR=5.6

MDJ Mudanjing 24.07 335 eP P 09 40 02.7 -0.7

44nm,1.7s

KLR Kul'dur 27.40 343 P P 09 40 34.9 +1.5

7.4nm,0.7s,baz=148,slow=7.6,SNR=20

PETK Petropavlovsk-31 31.41 16 LR LR 09 52 24.5

comp=2.78nm,20.9s,baz=193,slow=34

PETK Petropavlovsk-31 31.41 16 eP P 09 41 07.5 -1.5

SONM Songoing Array 38.35 319 eP P 09 42 09.4 +0.3

0.6nm,0.7s,baz=104,slow=6.1,SNR=2.6

CM31 Chiang Mai Arr 42.05 272 eP P 09 42 39.9 -0.1

1.1nm,0.4s,baz=46,slow=9.1,SNR=4.7

CMAR Chiang Mai Arr 42.05 272 LR LR 10 01 05.9

comp=2.44nm,18.4s,baz=156,slow=38

WR1 Warramunga Arr 44.14 193 eP P 09 42 56.8 +0.2

3.8nm,0.8s

WR2 Warramunga Arr 44.14 193 P P 09 42 56.8 +0.2

1.3nm,0.5s,baz=14,slow=9.0,SNR=7.0

AS31 Alice Springs 47.84 192 P P 09 43 25.3 -0.6

0.8nm,0.7s

ASAR Alice Springs 47.84 192 P P 09 43 25.7 -0.1

0.5nm,0.5s,baz=15,slow=9.6,SNR=13

ZAA1 Zalesovo Array 53.18 321 eP P 09 44 06.3 +0.4

1.4nm,0.5s,baz=115,slow=7.8,SNR=8.0

ZALV Zalesovo Beam 53.18 321 eP P 09 44 06.3 +0.4

1.4nm,0.5s,baz=115,slow=7.8,SNR=8.0

MK01 Makanchi Array 53.92 312 eP P 09 44 12.3 +0.9

1.1nm,0.6s,baz=99,slow=5.9,SNR=9.0

MK31 Makanchi Array 53.92 312 eP P 09 44 09.8 -1.7

1.1nm,0.6s,baz=99,slow=5.9,SNR=9.0

MK32 Makanchi Array 53.92 312 eP P 09 44 12.5 +1.0

1.1nm,0.6s,baz=99,slow=5.9,SNR=9.0

MKAR Makanchi Array 53.92 312 eP P 09 44 12.5 +1.0

1.1nm,0.6s,baz=99,slow=5.9,SNR=9.0

MAK2 Makanchi 54.92 312 eP P 09 44 14.7 +1.6

4.7nm,1.0s

STKA Stephens Creek 55.09 182 P P 09 44 19.9 -0.1

2.5nm,0.8s,baz=14,slow=8.6,SNR=3.9

STKA Stephens Creek 55.09 182 eP P 09 44 19.9 -0.1

1.6nm,1.1s

KURK Kurchatov 56.57 316 eP P 09 44 31.5 +1.1

2.6nm,0.8s,baz=92,slow=7.9,SNR=18

KURB Kurchatov Arr 56.62 316 P P 09 44 31.5 +0.7

2.6nm,0.8s,baz=92,slow=7.9,SNR=18

AAK Ala-Archa 59.55 307 LR LR 10 10 40.2

comp=2.28nm,19.6s,baz=135,slow=36

IL1 Eilson Arr 60.20 28 eP P 09 44 55.8 +0.2

1.4nm,1.0s,baz=261,slow=5.6,SNR=19

ILAR Eilson Arr 60.20 28 P P 09 44 55.9 +0.3

1.4nm,1.0s,baz=261,slow=5.6,SNR=19

CBJ1 Chichi jima 1.36 278 ePn P 09 23 13.0 -0.2

0.2nm,0.3s,baz=118,slow=32

CBJ2 Chichi jima 1.36 278 ePn P 09 23 13.0 -0.2

0.2nm,0.3s,baz=118,slow=32

CBJ3 Chichi jima 1.36 278 ePn P 09 23 13.0 -0.2

0.2nm,0.3s,baz=118,slow=32

JHHJ Haha-jima-NKT 1.38 259 eP P 09 23 32.5 +1.8

1.1nm,1.1s

BBO1 Boso 1 8.06 344 P P 09 24 41.6 -3.3

1.1nm,1.1s

BBO2 Boso 3 8.03 344 P P 09 24 46.6 -2.2

1.1nm,1.1s

BBO3 Boso 4 8.03 344 P P 09 24 59.6 -1.6

1.1nm,1.1s

JODJ Odawara 2 9.21 336 P P 09 25 05.4 -0.4

1.1nm,1.1s

JYUJ Yuzuhob 9.63 334 P P 09 25 06.4 -0.5

1.1nm,1.1s

JYUJ Yuzuhob 9.63 338 P P 09 25 05.3 -2.3

1.1nm,1.1s

JRYJ Ryogami san 9.96 337 P P 09 25 09.7 -1.7

1.1nm,1.1s

JJOJ Hitachi 10.03 345 P P 09 25 08.6 -3.8

1.1nm,1.1s

JAGJ Ashikaga 10.15 340 P P 09 25 11.3 -2.7

1.1nm,1.1s

JNUJ Inuyama 10.17 327 ePn P 09 25 14.3 -0.7

1.1nm,1.1s

MJAR Matsushiro Arr 10.67 335 Pn P 09 25 19.6 -1.7

4.2nm,0.3s,baz=163,slow=11,SNR=34

MAJO Matsushiro 10.68 335 ePn P 09 25 20.6 -0.6

4.2nm,0.3s,baz=163,slow=11,SNR=34

MAT Matsushiro 10.68 335 P P 09 25 19.9 -1.4

4.2nm,0.3s,baz=163,slow=11,SNR=34

MJBW Matsushiro Tunnel 10.68 335 ePn P 09 25 16.9 -2.7

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like NVS Novosibirsk, VYHS Vyhne, SONM Songo Array, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ARCES ARCESS Array B, FINES FINESS Array B, DBIC Dimbokro, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like GSC Goldstone, ULM Lac du Bonnet, PV13 Radium Mtn., etc.

IDC 19 10:49:43.1 ± 1.2, 147.69N:147.24E, h0km, mb4.0/10, mb1.4/2.1, mb1mx3.9/5.9, mbtmp4.0/11, ML3.6/1, MS2.4/1, Ms1.2/4.1, ms1mx2.3/3.4, Error ellipse: s-maj=30.7km s-min=20.4km az=130.0

ISCJB 19 10:49:46.4 ± 1.0, 147.70N:147.26E, 0.1, h33km, mb4.0/10, Error ellipse: s-maj=24.5km s-min=8.2km az=139.1

ISC 19 10:49:48.0 ± 0.35, 171.00N:147.22E, 0.1, h33km, n15, +051/16, mb4.2/10, Mariana Islands region

NEIC 19 11:14:47.7 ± 0.1, 51.79N:173.23E, h25km, MB4.6(NEIC) NEIC 19 11:14:47.7 ± 0.0, 51.79N:173.23E, h25km, mb4.6/21, After NEIC

NEIC Fall on Adak, BUJ 19 11:14:49.0, 51.80N:173.60E, h15km, mb4.5/14, MB5.0/11, Ms4.5/7

ISCJB 19 11:14:51.4 ± 0.8, 51.81N:173.69E, 0.05, h43km, 6km, mb4.5/60, MS4.8/1, Error ellipse: s-maj=9.5km s-min=5.2km az=3.3

IDC 19 11:14:52.6 ± 0.8, 51.93N:173.72E, h30km, 3km, mb3.9/25, mb1.0/2.6, mb1mx3.9/5.9, mbtmp4.1/26, ML3.1/1, MS3.1/5, Ms1.3/1.5, ms1mx2.8/4.4, Error ellipse: s-maj=19.9km s-min=12.0km az=170.0

ISC 19 11:14:53.0 ± 0.7, 51.98N:173.67E, 0.05, h28km, 4km, h28km, p-P, n235, r1930/242, mb4.6/62, Near Islands

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like SMY Shemya, TASE Tanaga Southea, KIMD Kanaga Island, etc.

AGM Agassiz Nation, WMQ Urumqi, WMQ, WMQ, WMQ, WMQ, WMQ

AGM Agassiz Nation, WMQ Urumqi, WMQ, WMQ, WMQ, WMQ

AGM Agassiz Nation, WMQ Urumqi, WMQ, WMQ, WMQ, WMQ

AGM Agassiz Nation, WMQ Urumqi, WMQ, WMQ, WMQ, WMQ

AGM Agassiz Nation, WMQ Urumqi, WMQ, WMQ, WMQ, WMQ

AGM Agassiz Nation, WMQ Urumqi, WMQ, WMQ, WMQ, WMQ

AGM Agassiz Nation, WMQ Urumqi, WMQ, WMQ, WMQ, WMQ

AGM Agassiz Nation, WMQ Urumqi, WMQ, WMQ, WMQ, WMQ

AGM Agassiz Nation, WMQ Urumqi, WMQ, WMQ, WMQ, WMQ

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like GUMU Guam, KSRs Korea Array, ASAR Alice Springs, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like P43A Skaggs, Pawnee, N45A Kentland, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Z50A Ashland, X52A Dahlonaga, Y54A Tignall, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ARKR Unculok, UNCR Unculok, UNCR Unculok, etc.

PDAR Pinedale Array 94.23 47 LR LR 12 51 42.5
YKA Yellowknife Ar 97.07 27 P P 12 11 26.6 +0.4
MKAR Makanechi Array 97.80 316 P P 12 11 30.2 +0.3

ISC 19 12:01:36.91, 8.56:84S:146.50E, h0km, mb3.7/4,
mb1 4.0/4, mb1mx3.8/22, mbtmp3.8/4, Error ellipse:
s-maj=206.5km s-min=25.1km az=78.0, West of
Macquarie Island

Code Station Name Az AZZ Phase ID Time Res
VANDA Vanda 21.45 171 Op ISC h m s ISC
STKA Stephens Creek 25.19 350 P P 12 07 04.7 +0.9
H01W1 Cape Leeuwin H 30.97 301 T T 12 41 08.3
H01W2 Cape Leeuwin H 30.98 301 T T 12 41 09.4
H01W3 Cape Leeuwin H 30.99 301 T T 12 41 09.6

ASAR Alice Springs 34.39 339 P P 12 08 25.4 -0.1
WRA Warramunga Arr 37.94 343 P P 12 08 55.5 -0.4
H08S2 Diego Garcia H 74.90 279 T T 13 36 01.8
H08S1 Diego Garcia H 74.91 279 T T 13 36 02.1
H08S3 Diego Garcia H 74.92 279 T T 13 36 03.9

ARCES ARCES Array B 151.84 320 PKPbc PKPbc 12 21 31.2 -0.6
ISC 19 12:02:20.1, 2.5, 40.14N:124.41W, h0km, mb3.2/2,
mb1 3.7/3, mb1mx3.6/22, mbtmp3.4/3, ML3.3/1, Error
ellipse: s-maj=26.4km s-min=13.0km az=96.0

ANF 19 12:02:21.3, 0.8, 40.40N:124.30W, ML3.5/9, Error ellipse:
s-maj=8.3km s-min=4.9km az=79.0
NEIC 19 12:02:23.8, 0.0, 40.28N:124.36W, h19km, MW3.8(BRK),
After NCEDC.

NEIC Full [U] at Eureka. Also felt at Fortuna and Whietoth.
NCEDC 19 12:02:23.8, 0.0, 40.28N:124.36W, h19km, MW3.8(BRK)
ISC 19 12:02:21.9, 1.7, 40.31N:124.52W, 0.07,
h27km, 13km, n52, 116/27, Near coast of northern
California

Code Station Name Az AZZ Phase ID Time Res
KMRM Mail Ridge 0.62 97 ePg P 12 02 34.3 0.0
JCC Jacoby Creek 0.02 36 ePg P 12 02 34.1 0.2
KHMM Horse Mountain 0.83 46 ePg P 12 02 37.4 -0.4

Code Station Name Az AZZ Phase ID Time Res
N02D Trinity Center 1.53 64 P P 12 02 47.1 -0.5
N02D Whiskeytown Da 1.54 79 ePn P 12 02 46.7 -0.8
WDC Whiskeytown Da 1.54 79 eSs P 12 02 49.0 -0.3

Code Station Name Az AZZ Phase ID Time Res
M02C Callahan 1.67 49 P P 12 03 08.9 -1.0
HOPS Hopland Field 1.72 139 ePn P 12 02 49.1 -1.0
H0FS Hobbs 1.92 61 ePn P 12 02 53.9 +0.3

Code Station Name Az AZZ Phase ID Time Res
YBH Yreka Blue Hor 1.98 43 Pn P 12 02 53.6 0.0
YBH Yreka Blue Hor 1.98 43 Lg P 12 02 54.0 +0.3
YBH Yreka Blue Hor 1.98 43 Lg P 12 02 54.0 0.0

Code Station Name Az AZZ Phase ID Time Res
O03E Geysers 2.00 138 ePn P 12 02 54.3 -0.8
ORV Orville 2.44 107 ePn P 12 03 00.6 +0.7
K02D Willamette Mer 2.47 15 P P 12 03 01.2 +0.7

Code Station Name Az AZZ Phase ID Time Res
M04C Marconi Confer 2.50 149 ePn P 12 03 03.1 -0.5
L04D Klamath Falls 2.54 40 P P 12 03 03.0 +1.6
HUMO Hull Mountain 2.58 27 ePn P 12 03 02.8 +0.8

Code Station Name Az AZZ Phase ID Time Res
J01E Myrtle Point 2.89 9 S P 12 03 38.9 -1.0
AFDM Forest Hills D 3.06 115 ePn P 12 03 09.3 +0.9
BEKR Beckworth 3.22 96 ePn P 12 03 12.4 +1.6

Code Station Name Az AZZ Phase ID Time Res
M04D Modoc Plateau 3.56 62 ePn P 12 03 15.4 -0.1
J05D Fort Rock, OR 3.86 38 P P 12 03 21.3 +1.8
VNCR Virginia City 3.88 103 ePn P 12 03 21.3 +1.3

Code Station Name Az AZZ Phase ID Time Res
CNB Columbia Colle 3.99 124 ePn P 12 03 22.0 +1.5
PAHR Pah Rah Range 3.99 97 ePn P 12 03 21.5 +0.1
SAO San Andreas Ge 4.28 145 ePn P 12 03 24.5 -0.7

Code Station Name Az AZZ Phase ID Time Res
WVOR Wild Horse Val 4.31 62 ePn P 12 03 33.9 -0.1
RYN Ryan 4.93 108 ePn P 12 03 36.2 +1.8
KVN Kaiserville 5.11 102 ePn P 12 03 37.1 +0.3

Code Station Name Az AZZ Phase ID Time Res
N01V Mina Array Sit 5.17 109 ePn P 12 03 37.7 +0.1
N01V Mina Array Bea 5.17 109 Pn P 12 03 38.9 +1.2
NVAR 1.1nm, 0.3s, baz=295, slow=13, SNR=21 S Sn 12 04 38.3 +1.8

Code Station Name Az AZZ Phase ID Time Res
I07A Ize 5.30 43 ePn P 12 03 40.9 +1.5
J08A Circle Bar Ran 5.45 54 ePn P 12 03 39.7 -1.7
VES Vestal, Richgr 6.18 134 P P 12 03 52.3 +0.9

Code Station Name Az AZZ Phase ID Time Res
ARVC Arvin 6.86 137 P P 12 04 02.2 +1.5
BMO Blue Mountains 7.00 47 ePn P 12 04 03.5 +0.8
MFD Camas Ranch 7.19 62 ePn P 12 04 06.0 +0.7

ISC 19 12:06:07.6, 38.51N:43.26E, h5km, ML2.2/2
ISCJB 19 12:06:08.4, 0.5, 38.48N:0.03:34.30E, h0km, 5km,
Error ellipse: s-maj=6.0km s-min=1.1km az=140.1
DDA 19 12:06:08.3, 38.47N:43.29E, h3km, ML2.8
ISC 19 12:06:08.0, 1.0, 38.50N:0.03:34.29E, h0km, 8km,
n12, 0:57/20, Turkey

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az AZZ Phase ID Time Res
GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
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GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

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GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az AZZ Phase ID Time Res
GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az AZZ Phase ID Time Res
GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az AZZ Phase ID Time Res
GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az AZZ Phase ID Time Res
GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az AZZ Phase ID Time Res
GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az AZZ Phase ID Time Res
GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az AZZ Phase ID Time Res
GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az AZZ Phase ID Time Res
GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

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KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

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GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az AZZ Phase ID Time Res
GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az AZZ Phase ID Time Res
GZT Gaziantep 0.48 84 P P 12 46 28.4 +0.6
GZT Gaziantep 0.48 84 P P 12 46 28.7 -0.3

Code Station Name Az AZZ Phase ID Time Res
KMRM Kahramanmaras 0.21 345 PG P 12 46 23.9 -0.2
KMRG Gaziantep 0.23 124 PG P 12 46 24.4 -0.1

Code Station Name Az

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NORSAR Subarra, NORSAR Array B, NOA, etc.

Ms 1.4.1/15, ms1mx4.0/23, Error ellipse: s-maj=46.5km s-min=15.0km az=83.0 NEIC 19 15:19:54.0.0.2, 52:29S:139:41E, h10km, mb4.7/11, Error ellipse: s-maj=7.8km s-min=6.4km az=61.0 GCMT 19 15:19:54.0.0.3, 52:21S:102:139:51E:0.07, h18km, 1km, MW5.0/66, Moment Tensor Solution, s17,c18; s66,c98; Duration: 0 Moment Tensor: Scale 10^18N; Mr-3.35s;25; Mw2.90z:17; Mw0.44z:17; Mw1.20z:36; Mw0.79z:09; Mr1.45z:50; Best double couple: Ms3.67400x1016 NP1z264.00000x, s65.00000x, -1.16.00000x. NP2: q=125.00000x, b42.00000x, -57.00000x. Principal axes: P1z23.23000x, P2z2.00000x, N 0.89100x. P1z21.00000x, Azm279.00000x; P -4.1170, Plg68.00000x, Azm121.00000x; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like L40A, MYKA, TKL, DPC, etc.

IDC 19 14:22:06.9.1.7, 37.63N:143.88E, h0km, mb3.7/3, mb1 3.9/5, mb1mx3.5/32, mbtmp3.7/5, ML3.4/2, MS2.5/1, Ms1 2.5/1, ms1mx2.1/32, Error ellipse: s-maj=40.0km s-min=26.3km az=70.0

ISC 19 15:19:54.0.4.0, 52:31S:09:139:6E:0.1, h10km, n93, s1505778, mb4.5/17, MS4.1/17, West of Macquarie Island

ISC 19 15:19:54.0.4.0, 52:31S:09:139:6E:0.1, h10km, n93, s1505778, mb4.5/17, MS4.1/17, West of Macquarie Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TOO, PYZ, DCZ, WHZ, BBOO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like STKA, RPZ, THZ, H01W, H01W2, H01W3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KHC, WTC, BRG, SQT, MOTA, FETA, etc.

GUC 19 14:52:30.9.0.6, 21.84S:68.77W, h122km, 3km, ML3.4

ISC 19 14:52:31.3.0.7, 21.83S:0.03:68.81W:0.09, h126km, 6km, mb3.4/2, Error ellipse: s-maj=13.6km s-min=5.3km az=2.5

ISC 19 15:19:54.0.4.0, 52:31S:09:139:6E:0.1, h10km, n93, s1505778, mb4.5/17, MS4.1/17, West of Macquarie Island

IDC 19 14:52:31.5.1.1, 21.93S:68.88W, h117km, 14km, mb3.2/2, mb1 3.2/3, mb1mx3.1/29, mbtmp3.4/3, Error ellipse: s-maj=53.3km s-min=32.5km az=82.0

ISC 19 14:52:32.0.1.0, 21.84S:0.04:68.79W:0.09, h118km, 8km, n19, s07873/32, 7C-3D, Chile-Bolivia border region

ISC 19 15:19:54.0.4.0, 52:31S:09:139:6E:0.1, h10km, n93, s1505778, mb4.5/17, MS4.1/17, West of Macquarie Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB09, LVC, LVC, PB03, PB03, PB01, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, WRAB, FITZ, FITZ, GSPA, GSPA, etc.

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

IDC 19 14:54:43.8.18.0, 13.16S:169.65E, h0km, mb3.9/4, mb1 4.0/4, mb1mx3.6/32, mbtmp3.6/28, Error ellipse: s-maj=307.9km s-min=120.8km az=57.0, Vanuatu Islands region

IDC 19 15:19:54.0.4.0, 52:31S:09:139:6E:0.1, h10km, n93, s1505778, mb4.5/17, MS4.1/17, West of Macquarie Island

IDC 19 15:19:54.0.4.0, 52:31S:09:139:6E:0.1, h10km, n93, s1505778, mb4.5/17, MS4.1/17, West of Macquarie Island

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

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

Table with columns: Code, Station Name, Az, Az', Az'', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ANMO Albuquerque, WHN Wuhan, CAST Castle Rocks, etc.

Table with columns: Code, Station Name, Az, Az', Az'', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like UPC Upice, DPC Dobruska-Polom, TRPA Panska Ves, etc.

Table with columns: Code, Station Name, Az, Az', Az'', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KS01 Wonju Array Si, KS15 Wonju Array Si, KSAR Wonju Array Be, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PAB San Pablo, CART Cartagena, UCM Universidad Co, etc.

ISCJB 19 16:24:51.9±0.6,38°19N±0.04;3°21W±0.06,h13km, Error ellipse: s-maj=7.3km s-min=4.7km az=32.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EQES Quesada, SESP Santiago Espad, EQUQ Quesada, etc.

MDD 19 16:25:17.5±0.2,37°11N±12.94W,h76km±149km,mb4.1/6, Error ellipse: s-maj=22.3km s-min=17.7km az=92.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PFVI Vila Bisbo, PTEO Sao Teotonio, PMAFR Mafr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MESJ Messejana, PBDV Barranco-do-Ve, PBEJ Beja, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EMIN Mina Concepcio, PCBR Castelo Branco, ESPR Estremoz, etc.

WEL 19 16:25:18.6±38°S±17°9E±,h34km±6km,ML3.5/19,Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WMGZ Waioamatatini S, MXZ Matakaoa Point, PUKZ Puketiti, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZAAO Zalesovo Array, KURK Kurchatov, KURB Kurchatov Arra, etc.

NEIC 19 17:10:09.9±3.5,4.08S:143°78E,h35km,mb4.1/4, Error ellipse: s-maj=62.4km s-min=20.8km az=78.0

ISCJB 19 17:10:14.1±0.6,4°13S±0.05;143°81E±0.07,h100km, mb3.7/10, Error ellipse: s-maj=11.1km s-min=6.4km az=153.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAY Jayapura, PMG Port Moresby, SIJ Sorong, WRAB Warramunga Arr, etc.

JMA 19 17:15:07.6±0.3,36°19N±142°51E,h67km,ML2.7, ID 19 17:15:13.1±3.1,36°38N±141°85E,h0km,mb3.1/2, mb1.3/2,mb1mx3.1/41,mbtmp3.0/3,ML2.6/1, Error ellipse: s-maj=78.7km s-min=32.5km az=56.0

ISC 19 17:15:09.4±4.4,36°31N±107°142E±0.1,h9km±22km, n14,±19/21,Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHOJ Chosi, JHYU Hitachinakayama, JHO Hitachi, etc.

SJA 19 17:16:37.3±0.3,29°11S±68°69W,h106km±1km,ML3.8, MW3.5,San Juan Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AGUA GUANDACOL, VCA Vinchina, ACDD Cuesta del Vie, etc.

DJA 19 17:41:09.2±1.9,4°S±13°8E±,h16km±16km,ML4.9/3, mb4.6/1,mb4.6/1,MLv5.0/3,Mw(MB)3.9/1, ID 19 17:41:19.1±1.4,6°7S±139°19E,h0km,mb3.8/4, mb1.4/2,mb1mx3.9/21,mbtmp4.0/8,ML4.3/4,MS3.2/8,

NNC 19 16:48:01.8±2.5,53°64N±88°25E,h0km,mb3.8,mpv3.4, Error ellipse: s-maj=21.3km s-min=12.3km az=54.0,

Table with columns: PDAR, LR, LR, 18 51 06.3, etc. Includes stations like EYMN Ely, D54A Lac Fusel, LA, AGMN Agassiz Station, etc.

ISCJB 19 18:27:49.7, 0.5, 37.30N, 0.05:37.11E, 0.04, 1.0 km, 5.3km, Error ellipse: s-maj=8.4km s-min=4.3km az=26.9

ISCJB 19 18:27:49.7, 0.5, 37.30N, 0.05:37.11E, 0.04, 1.0 km, 5.3km, Error ellipse: s-maj=8.4km s-min=4.3km az=26.9

ISCJB 19 18:27:49.7, 0.5, 37.30N, 0.05:37.11E, 0.04, 1.0 km, 5.3km, Error ellipse: s-maj=8.4km s-min=4.3km az=26.9

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

ISC 19 18:31:23.1, 1.6, 7.38S, 144.06E, h0km, mb3.6/3, mb1 3.8/6, mb1mx3.6/30, mbtmp3.7/6, ML3.2/1, MS3.0/1, Ms1 2.9/1, ms1mx2.3/30, Error ellipse: s-maj=34.3km s-min=28.1km az=60.0

ISCJB 19 18:31:25.7, 1.7, 7.5S, 0.1, 144.10E, 0.08, h33km, mb3.5/2, MS2.9/1, Error ellipse: s-maj=20.4km s-min=9.9km az=19.9

ISC 19 18:31:27.8, 1.2, 7.5S, 0.2, 144.1E, 0.1, h35km, n7, e1912/7, Near south coast of New Guinea

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

ISCJB 19 18:44:41.2, 1.0, 5.5S, 0.1, 151.5E, 0.2, h57km, mb3.9/1, MS3.1/2, Error ellipse: s-maj=35.0km s-min=9.0km az=35.0

Table with columns: MKAR Makanchi Array, ILAR Eielson Array, NVAR Warramunga Arr, etc.

ISC 19 18:49:18.3, 4.7, 29.96S, 177.63W, h0km, mb3.4/2, mb1 3.6/2, mb1mx3.5/28, mbtmp3.4/2, Error ellipse: s-maj=267.4km s-min=68.9km az=166.0, Kermadec Islands

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 19 18:59:36.8, 4.7, 29.60S, 177.76W, h0km, mb3.3/2, mb1 3.6/2, mb1mx3.4/28, mbtmp3.3/2, Error ellipse: s-maj=228.9km s-min=75.3km az=165.0, Kermadec Islands

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.

ISCJB 19 19:01:55.6, 0.3, 42.69N, 0.04, 133.27E, 0.04, h500km, mb3.7/18, Error ellipse: s-maj=5.5km s-min=4.1km az=19.0

ISC 19 19:01:56.7, 0.8, 42.75N, 132.93E, h485km, 10km, mb3.4/18, mb1 3.5/24, mb1mx3.3/35, mbtmp3.3/24, Error ellipse: s-maj=10.5km s-min=8.6km az=109.0

JMA 19 19:01:56.3, 0.3, 42.61N, 133.61E, h538km, 3.4, 0 Error ellipse: s-maj=10.5km s-min=8.6km az=109.0

ISC 19 19:01:56.9, 0.5, 42.65N, 0.07, 133.26E, 0.06, h500km, n59, e1551/64, mb3.8/18, Primorye

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like USRK Ussuriysk Arr, JHST Hiymasasetana, etc.

ISC 19 19:06:52.9, 38.68N, 43.16E, h4km, ML2.5/6, ISCJB 19 19:06:54.0, 0.4, 38.68N, 0.03, 43.16E, 0.04, h5km, 7km, Error ellipse: s-maj=4.8km s-min=4.5km az=30.0

DDA 19 19:06:54.1, 38.65N, 43.21E, h6km, ML2.5, ISC 19 19:06:54.3, 0.9, 38.68N, 0.03, 43.17E, 0.03, h13km, 9km, n18, e1303/24, Turkey

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

MDD 19 19:25:11.6, 25.3, 37.30N, 12.70W, h0km, mb3.5/1, Error ellipse: s-maj=26.7km s-min=21.8km az=170.0, PRXIMO INMG 19 19:25:14.1, 1.0, 37.11N, 13.04W, h10km, ML2.1, Error ellipse: s-maj=17.4km s-min=9.0km az=166.0

NEIC 70 km [44 miles] SSE of Gillette, ISC 19 19:06:06.3, 0.7, 43.70N, 0.05, 105.23W, 0.05, h0km, n63, e193/61, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RSDA Black Hills, K2SA Casper, PHWY Pilot Hill, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EVO Evora, PVAQ Vaqueiros, EGRO El Granado, etc.

NIED 19 19:26:00, 37.50N, 141.40E, h11km, Mw4.1 Best double couple: Ms1.640000, 1015 NP1.20, 210.00000, 861.00000, 1-32.00000, NP2.20, 171.00000, 863.00000, 1-147.00000.
ISCJB 19 19:26:33.3e 1.0, 37.44N, 141.54E, h18km, 6km, mb4.1/13, MS3.2/2, Error ellipse: s-maj=8.8km s-min=4.5km az=21.5
JMA 19 19:26:35.2e 1.0, 37.46N, 141.40E, h26km, 1km, M4.3 JMA Fell II J1.
NEIC 19 19:26:36.4e 3.3, 37.42N, 141.55E, h33km, 26km, mb4.5/4, Error ellipse: s-maj=45.5km s-min=13.6km az=126.0
NEIC Recorded [2 JMA] in Fukushima and Miyagi.
IDC 19 19:26:37.9e 3.3, 37.41N, 141.37E, h33km, 32km, mb3.6/9, mb1.3/8/12, mb1mx3.7/52, mbtmp3.9/12, ML3.3/3, MS3.1/5, Ms1.3/2/5, ms1mx2.8/42, Error ellipse: s-maj=22.5km s-min=15.2km az=90.0
ISC 19 19:26:34.0e 1.5, 37.47N, 141.44E, h10km, 8km, n57, c1529/52, mb4.2/13, Near east coast of eastern Honshu

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NB2 NORSAR Subarra, NOA NORSAR Arra B, AKASO Main Array B, LPAZ La Paz.

NEIC 19 19:28:51.9e 1.0, 10.69N, 62.31W, h71km, MD4.0 (TRN), After TRN.
TRN 19 19:28:51.7, 10.69N, 62.34W, h58km, MD3.5, Near coast of Venezuela

Main station list table for NEIC/Trinidad region with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TRN Trinidad (W), TRN Trinidad (E), TRN TRIN, etc.

IDC 19 19:33:54.3e 0.7, 10.54N, 141.64E, h0km, mb4.2/13, mb1.4/4/14, mb1mx4.0/54, mbtmp4.2/14, ML4.4/1, MS3.3/13, Ms1.3/3/13, ms1mx3.1/36, Error ellipse: s-maj=23.4km s-min=17.1km az=89.0
ISCJB 19 19:33:57.0e 0.5, 10.52N, 141.69E, h0.7, h33km, mb4.4/20, MS3.3/14, Error ellipse: s-maj=12.4km s-min=7.7km az=141.6
NEIC 19 19:33:58.3e 4.2, 10.52N, 141.63E, h28km, 30km, mb4.7/7, Error ellipse: s-maj=11.7km s-min=10.2km az=126.0
ISC 19 19:33:59.3e 0.7, 10.68N, 141.41E, h35km, n51, c093/42, mb4.5/20, MS3.3/14, Western Caroline Islands

Main station list table for NEIC/Caroline Islands region with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GUMO Guam, JMW Kunigami, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZAA1 Zalesovo Array, CHGN Chignik, KURK Kurchatov, etc.

IDC 19 19:41:53.1e 1.7, 40.33N, 113.19E, h0km, mb3.4/2, mb1.3/5/3, mb1mx3.2/57, mbtmp3.2/3, MS3.1/1, MS3.2/1, Ms1.3.2/1, ms1mx2.3/26, Error ellipse: s-maj=46.9km s-min=26.7km az=92.0, Northeastern China

Main station list table for IDC/China region with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SONM Sogingo Array, SONM Sogingo, etc.

ISCJB 19 19:45:50.7e 0.6, 51.38N, 162.16E, h0km, Error ellipse: s-maj=4.3km s-min=3.2km az=4.7
PRU 19 19:45:52.8e 0.0, 51.40N, 161.17E, h0km
VIE 19 19:45:55.9e 1.9, 51.13N, 161.43E, h0km, mb2.5/2, m2.6/7, Error ellipse: s-maj=15.9km s-min=6.8km az=129.0 40 km W of Wroclaw Suspected Mining induced.
WAR 19 19:45:56.6e 0.5, 02N, 15.79E, h1km, Mw2.5
ISC 19 19:45:50.2e 1.0, 51.51N, 162.04E, h0.3, h0km, n28, c1820/61, 11D, Poland

Main station list table for IDC/Wroclaw region with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSP Ksiaz, UPIC Upice, DPC Dobruska-Polom, etc.

19d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like SONM Songino Array, GTA Gaotai, etc.

NIED 19:20:16.00,36.20N,140.30E,h71km,Mw4.4 Best double couple... JMA Felt III J1... NEIC 19:20:16.28.0.0,36.16N,140.31E,h76km,5.6m,mb4.8/24... ISIC 19:20:16.28.0.0,36.15N,140.31E,0.0,4,h73km,5.6m...

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists numerous stations like JYT Yasato, JHU Hitachinouchi, etc.

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Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like BOD Bodaibo, H1N2 WAKE ISLAND HY, etc.

990

Table of station data with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like RES Resolute Bay, ARAO ARCESS Array S, etc.

ISCJB 19:20:18.34.4.1,44.86N,109.149:5E,0.1,h59km,10km,mb3.8/6,MS3.4/1,Error ellipse: s-maj=19.3km s-min=9.0km az=138.8... MOS 19:20:18.34.0.2.5,44.80N,149.50E,h33km,mb4.1/5,Error ellipse: s-maj=23.1km s-min=15.4km az=45.8... SKHL 19:20:18.34.0.2.4,47.79N,149.50E,h71km,3km,mb4.3/2... IDC 19:20:18.40.3.4.2,45.06N,149.35E,h99km,39km,mb3.5/6,mb1.3/8,8,mb1mx3.4/42,mbtm3.9/8,MS3.4/1,Ms1.3/4,1,ms1mx2.5/45,Error ellipse: s-maj=33.6km s-min=19.7km az=115.0... ISIC 19:20:18.36.3.1.6,44.87N,101.104:9E,0.1,h61km,14km,n30,c1916/29,mb3.8/6,1D,Kuril Islands

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like KUR Kuril'sk, SHO Shikotan, etc.

Table with columns: CHKT, Chengkung, 1.21 224 eP, Pn, 21 00 44.4 -1.1, etc. Includes various station codes and coordinates.

Table with columns: JTY, Tarama, 2.31 73 eS, Sn, 21 01 30.3 +1.7, etc. Includes station codes and coordinates.

MOS 19 21:15:47.5:0.0, 43.85N, 39.28E, h6km, MPVA3.6, 1D, FELT I=III MSK at Lazarevskoe, Western Caucasus

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Includes station codes like SOC, GZUR, etc.

MEX 19 21:20:16.6:0.8, 17.25N, 100.17W, h30km, MD3.6, Guerrero

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Includes station codes like CAIG, ACAP, etc.

ISC 19 21:31:20.2:1.0, 7.19S, 144.18E, h0km, mb4.17, mb1.4/2.9, mb1mx4.0/35, mbtmp4.1/9, ML3.4/6, Ms1.3/4.6, ms1mx2.9/29, Error ellipse: s-maj=27.7km s-min=22.0km az=70.0

ISC 19 21:31:23.7:0.7, 3.75S, 144.09E:0.07, h35km, mb4.1/6, MS3.3/4, Error ellipse: s-maj=15.6km s-min=7.6km az=39.2

ISC 19 21:31:25.4:0.7, 7.3S:0.1, 144.1E:0.1, h35km, n24, 0578/22, mb4.2/6, MS3.3/4, Near south coast of New Guinea

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

Table with columns: ILAR, Eielson Array, 87.84 24 P, P, 21 14 40.0 -0.8, etc. Includes station codes and coordinates.

NIED 19 21:36:00.39, 70N, 143.60E, h23km, Mw4.0, Best double couple: M9 45000x1014 NP1, 8186.00000, 828.00000, 1.58.00000, NP2, 241.00000, 866.00000, 1.106.00000

ISC 19 21:36:16.4:0.6, 39.64N, 0.04, 143.56E:0.06, h11km, mb3.8/1.1, MS3.5/1, Error ellipse: s-maj=7.0km s-min=4.1km az=30.6

ISC 19 21:36:16.1:1.1, 39.62N, 143.52E, h0km, mb4.0/1.1, mb1.4/1.13, mb1mx3.8/55, mbtmp4.0/13, ML3.7/2, MS3.4/2, Ms1.3/5.2, ms1mx2.6/37, Error ellipse: s-maj=28.3km s-min=19.1km az=109.9

JMA 19 21:36:17.2:0.2, 39.58N, 143.32E, h32km, M4.2, ISC 19 21:36:18.3:0.8, 39.56N, 0.05, 143.49E:0.07, h11km, n41, 01835/45, mb4.0/1.1, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Includes station codes like JTH, JTK, JJK, etc.

Table with columns: BRTR, 1.9nm, 0.3s, baz=135, slow=18, SNR=44, Pg, Pb, 21 46 02.6 +0.2, etc.

Table with columns: H1S1, WAKE ISLAND Hy 53.77 245 T, T, 23 05 50.2, etc.

Table with columns: VNA3, Neumayer Olymp 58.80 158 P, P, 22 21 40.7 +6.5, etc.

ISCJB 19 21:58:11.1±0.4, 57.56N±0.03; 142.72W±0.04, h10km, mb4.0/8, Error ellipse: s-maj=4.7km s-min=3.3km az=80.

ISN 19 22:02:17.9±0.3, 37.61N±42.85E, h0km, ML2.5, Error ellipse: s-maj=5.4km s-min=4.4km az=33.1.

ISN 19 22:02:20.1±1.2, 37.73N±0.03; 42.87E±0.04, h7km±11km, n10, c954/17, Turkey

ISC 19 21:58:14.0±1.6, 57.73N±142.67W, h0km, mb4.0/7, mb1 4.0/1.1, mb1mx3.8/3.2, mbtmpp3.9/11, ML3, 2/3, MS3.1/1, Ms1 3.1/1, ms1mx2.4/4.6, Error ellipse: s-maj=3.7km s-min=1.7km az=77.0.

ISN 19 22:02:20.1±1.2, 37.73N±0.03; 42.87E±0.04, h7km±11km, n10, c954/17, Turkey

ISN 19 22:02:20.1±1.2, 37.73N±0.03; 42.87E±0.04, h7km±11km, n10, c954/17, Turkey

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

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

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

ISC 19 21:58:13.7±0.7, 57.54N±0.06; 142.77W±0.04, h10km, n113, c1974/117, mb4.2/8, Gulf of Alaska

ISC 19 22:02:41.5±1.9, 0.21S; 124.17E, h0km, mb3.0/3, mb1 3.2/3, mb1mx3.1/2.5, mbtmpp3.0/3, Error ellipse: s-maj=201.6km s-min=28.8km az=63.0.

ISC 19 22:02:41.5±1.9, 0.21S; 124.17E, h0km, mb3.0/3, mb1 3.2/3, mb1mx3.1/2.5, mbtmpp3.0/3, Error ellipse: s-maj=201.6km s-min=28.8km az=63.0.

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

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

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

ISC 19 21:58:14.0±1.6, 57.73N±142.67W, h0km, mb4.0/7, mb1 4.0/1.1, mb1mx3.8/3.2, mbtmpp3.9/11, ML3, 2/3, MS3.1/1, Ms1 3.1/1, ms1mx2.4/4.6, Error ellipse: s-maj=3.7km s-min=1.7km az=77.0.

ISC 19 22:02:51.5±1.2, 0.70S; 0.07; 123.81E±0.09, h88km, n9, c250/12, mb2.9/3, Minahassa Peninsula, Sulawesi

ISC 19 22:02:51.5±1.2, 0.70S; 0.07; 123.81E±0.09, h88km, n9, c250/12, mb2.9/3, Minahassa Peninsula, Sulawesi

ISC 19 21:58:14.0±1.6, 57.73N±142.67W, h0km, mb4.0/7, mb1 4.0/1.1, mb1mx3.8/3.2, mbtmpp3.9/11, ML3, 2/3, MS3.1/1, Ms1 3.1/1, ms1mx2.4/4.6, Error ellipse: s-maj=3.7km s-min=1.7km az=77.0.

ISC 19 22:11:35.8±0.6, 35.01S; 107.21W, h0km, mb4.2/12, mb1 4.4/12, mb1mx4.2/2.25, mbtmpp4.2/12, MS4.4/16, Ms1 4.4/16, ms1mx4.3/2.4, Error ellipse: s-maj=23.6km s-min=17.7km az=84.0.

ISC 19 22:11:35.8±0.6, 35.01S; 107.21W, h0km, mb4.2/12, mb1 4.4/12, mb1mx4.2/2.25, mbtmpp4.2/12, MS4.4/16, Ms1 4.4/16, ms1mx4.3/2.4, Error ellipse: s-maj=23.6km s-min=17.7km az=84.0.

ISC 19 21:58:14.0±1.6, 57.73N±142.67W, h0km, mb4.0/7, mb1 4.0/1.1, mb1mx3.8/3.2, mbtmpp3.9/11, ML3, 2/3, MS3.1/1, Ms1 3.1/1, ms1mx2.4/4.6, Error ellipse: s-maj=3.7km s-min=1.7km az=77.0.

ISC 19 22:11:38.4±0.4, 35.33S; 107.07E; 176.01E, h10km, mb4.4/65, MS4.5/16, Error ellipse: s-maj=16.1km s-min=9.2km az=161.9.

ISC 19 22:11:38.4±0.4, 35.33S; 107.07E; 176.01E, h10km, mb4.4/65, MS4.5/16, Error ellipse: s-maj=16.1km s-min=9.2km az=161.9.

ISC 19 21:58:14.0±1.6, 57.73N±142.67W, h0km, mb4.0/7, mb1 4.0/1.1, mb1mx3.8/3.2, mbtmpp3.9/11, ML3, 2/3, MS3.1/1, Ms1 3.1/1, ms1mx2.4/4.6, Error ellipse: s-maj=3.7km s-min=1.7km az=77.0.

ISN 19 22:11:41.8±0.2, 35.12S; 107.06W±0.01, h13km, 1km, MW5.2/109, Moment Tensor Solution. s66, c85; s109, c159; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=0.18±.15; Mw=2.10±.14; Mww2.28±.14; Mw1.36±.36; Mw2.06±.39; Mw3.06±.39; Best double couple; Mw2.26800x10^16 NP; Mw1.91.00000; 878.00000; 1.13.00000; NP2=89.00000; 877.00000; 1.168.00000; Principal axes: T 7.7430, P1g7.0000, Azm54.0000; N -0.9570, P1g73.0000, Azm232.0000; P -6.7890, P1g1.0000, Azm324.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISN 19 22:11:41.8±0.2, 35.12S; 107.06W±0.01, h13km, 1km, MW5.2/109, Moment Tensor Solution. s66, c85; s109, c159; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=0.18±.15; Mw=2.10±.14; Mww2.28±.14; Mw1.36±.36; Mw2.06±.39; Mw3.06±.39; Best double couple; Mw2.26800x10^16 NP; Mw1.91.00000; 878.00000; 1.13.00000; NP2=89.00000; 877.00000; 1.168.00000; Principal axes: T 7.7430, P1g7.0000, Azm54.0000; N -0.9570, P1g73.0000, Azm232.0000; P -6.7890, P1g1.0000, Azm324.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 19 21:58:14.0±1.6, 57.73N±142.67W, h0km, mb4.0/7, mb1 4.0/1.1, mb1mx3.8/3.2, mbtmpp3.9/11, ML3, 2/3, MS3.1/1, Ms1 3.1/1, ms1mx2.4/4.6, Error ellipse: s-maj=3.7km s-min=1.7km az=77.0.

NEIC 19 22:11:43.8±1.6, 35.00S; 106.15W, h10km, mb4.6/55, Error ellipse: s-maj=44.6km s-min=14.7km az=27.0.

NEIC 19 22:11:43.8±1.6, 35.00S; 106.15W, h10km, mb4.6/55, Error ellipse: s-maj=44.6km s-min=14.7km az=27.0.

ISC 19 21:58:14.0±1.6, 57.73N±142.67W, h0km, mb4.0/7, mb1 4.0/1.1, mb1mx3.8/3.2, mbtmpp3.9/11, ML3, 2/3, MS3.1/1, Ms1 3.1/1, ms1mx2.4/4.6, Error ellipse: s-maj=3.7km s-min=1.7km az=77.0.

ISC 19 22:11:36.2±0.7, 35.35S; 102.107W±0.1, h10km, n128, c2540/104, mb4.6/65, MS4.5/16, Southern East Pacific Rise

ISC 19 22:11:36.2±0.7, 35.35S; 102.107W±0.1, h10km, n128, c2540/104, mb4.6/65, MS4.5/16, Southern East Pacific Rise

ISC 19 21:58:14.0±1.6, 57.73N±142.67W, h0km, mb4.0/7, mb1 4.0/1.1, mb1mx3.8/3.2, mbtmpp3.9/11, ML3, 2/3, MS3.1/1, Ms1 3.1/1, ms1mx2.4/4.6, Error ellipse: s-maj=3.7km s-min=1.7km az=77.0.

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

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

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res, H, m, s, ISC. Includes stations like GRESS Array B, FINES Array B, AKASG Malin Array B, etc.

NIED 19:22:40.00, 39.60N, 143.80E, h26km, Mw4.3 Best double couple: M3.46000x1015 NP1.201.00000, 841.00000, 1.82.00000, NP2.36.32.00000, 849.00000, 1.97.00000.
ISCJB 19:22:40.09, 1.0, 4.39, 65N, 103.143, 50E, 0.05, h11km, mb4.5/8, MS4.0/15, Error ellipse: s-maj=6.1km s-min=3.0km az=30.0

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res, H, m, s, ISC. Includes stations like JTH, MJV, JNK, JCH, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res, H, m, s, ISC. Includes stations like KLR, PETK, ZEA, ZEA, ZEA, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res, H, m, s, ISC. Includes stations like JIRN, RUM, GUN, KKN, etc.

IDC 19:23:02.0, 2.8, 5.1, 30.60N, 81.12E, h0km, mb3.5/4, mb1.3/4, mb1mx3.3/47, mbtmp3.6/4, Error ellipse: s-maj=170.8km s-min=26.9km az=66.0
ISC 19:23:02.28, 1.2, 1.30, 9N, 0.3, 81.8E, 0.4, h35km, n6, 1.1/79/6, 1C, Xizang

20k 1h

Table with columns: MKAR, KurBAN, CMAR, ZALV, WRA. Includes station names, frequencies, and coordinates.

DJA 19 23:06:27.9, 0.6, 9'S, 4.11°E, h10km, M3.9/9, Mlv3.9/9
IDC 19 23:06:33.8, 1.9, 8.80S, 110.01°E, h92km, 19km, mb3.5/9, mb1.3/6/11, mb1mx3.5/36, mbtmp3.8/11, Error ellipse: s-maj=29.1km s-min=12.2km az=53.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations like Wanaagama, Pacitan, Wonogiri, etc.

IDC 19 23:34:08.1, 1.2, 10.02S, 167.17°E, h0km, mb4.2/10, mb1.4/4/10, mb1mx1.7/36, mbtmp4.2/10, MSJ.4/5, Ms1.3/4/5, mb1mx3.0/34, Error ellipse: s-maj=57.8km s-min=18.2km az=142.0

ISCJBJ 19 23:34:11.7, 1.0, 10.1S, 0.3, 167.1°E, 0.2, h33km, mb4.2/10, MSJ.4/2, Error ellipse: s-maj=46.6km s-min=15.2km az=141.6

ISC 19 23:34:13.4, 1.3, 10.1S, 0.3, 167.2°E, 0.3, h35km, n21, o=57/10, mb4.2/10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like HNR, DZM, PMA, CTG, etc.

IDC 19 23:49:37.5, 2.7, 6.61S, 129.86°E, h141km, 37km, mb2.9/1, mb1.3/2.5, mb1mx3.1/40, mbtmp3.6/5, MSJ.1/1, Ms1.3/0.1/1, mb1mx2.5/11, Error ellipse: s-maj=67.8km s-min=20.5km az=89.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like SIJI, FITZ, WRA, etc.

ISCJBJ 19 23:51:01.6, 1.1, 36.19N, 0.09, 143.36°E, 0.08, h33km, mb3.8/3, Error ellipse: s-maj=13.7km s-min=9.4km az=14.6

IDC 19 23:51:02.4, 3.4, 35.49N, 143.07°E, h0km, mb3.8/3, mb1.3/9.4, mb1mx3.5/44, mbtmp3.6/4, ML2.8/1, Error ellipse: s-maj=89.9km s-min=27.7km az=49.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ONAJ, JFK, etc.

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Table with columns: JHO, JHO, JFT, JFT, JMK, JAG, JAG, JYK, JRY, JRY, MJAR, MJAR, SONM, WRA, ASAR. Includes station names, frequencies, and coordinates.

NIED 20 00:17:00.39, 10N, 142.40°E, h26km, Mw4.0 Best double couple: Mo1.05000, 1015 NP1.282, 00000, 841.00000, 4.139, 00000. NP2.158, 00000, 864.00000, 5.70000

ISCJBJ 20 00:17:49.7, 1.1, 39.07N, 0.04, 142.50°E, 0.06, h24km, 6km, mb3.5/6, MSJ.0/1, Error ellipse: s-maj=8.8km s-min=5.9km az=21.8

JMA 20 00:17:51.1, 1.0, 1.39, 09N, 142.42°E, h33km, 1km, M3.6 IDC 20 00:17:55.2, 2.8, 38.92N, 142.52°E, h63km, 27km, mb3.6/6, mb1.3/6, mb1mx3.4/39, mbtmp3.6/9, ML3.2/3, MSJ.1/7, Ms1.3/1/7, ms1mx2.9/25, Error ellipse: s-maj=30.8km s-min=11.6km az=114.0

ISC 20 00:17:48.5, 3.5, 39.12N, 0.05, 142.54°E, 0.07, h10km, 22km, n32, c157/31, mb3.5/6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like OFLU, MIYJ, MIYJ, JKM, etc.

MJAR comp=Z, 306nm, 18.2s, baz=55, slow=51, SNR=1.4

ASAJ Asahikawa 4.99 1.1 P Sb 00 19 11.7 -4.3

ASAJ 0.7nm, 0.3s, baz=216, slow=27, SNR=1.4

USRK Ussuriysk 9.38 306 P Pn 00 20 10.1 +6.4

USRK comp=Z, 102nm, 18.1s, baz=166, slow=36

JNU Nakatani 11.16 841 P Sb 00 24 29.8

KRSR Korea Array 11.61 266 LR LR 00 24 17.9

KLR Kul'dur 12.71 326 LR LR 00 25 25.6

PETK Petropavlovsk-17.44 32 LR 00 27 35.6

MA2 Magadan 21.13 12 LR 00 30 57.5

HT12 WAKE ISLAND Hy 28.55 126 T T 00 54 11.6

HT11 WAKE ISLAND Hy 28.56 126 T T 00 54 12.3

HT10 WAKE ISLAND Hy 28.57 126 T T 00 54 06.5

HT9 WAKE ISLAND Hy 28.57 126 T T 00 55 12.6

HT8 WAKE ISLAND Hy 29.34 128 T T 00 55 13.8

HT7 WAKE ISLAND Hy 29.34 128 T T 00 55 14.9

ZALV Zalesovo Beam 41.20 311 P P 00 25 35.8 +2.8

MKAR Makanchi Array 43.79 300 P P 00 25 54.4 0.0

ILAR Eielson Array 47.26 33 P P 00 26 22.8 +1.2

WRA Warramunga Arr 52.95 189 P P 00 27 49.0 -1.2

ASAR Alice Springs 62.98 189 P P 00 28 14.8 -0.7

PDAR Pinedale Array 75.58 46 P P 00 29 34.4 +0.7

IDC 20 00:28:53.0, 7.8, 4.49N, 123.96°E, h499km, 12km, mb2.7/4, mb1.2/8.4, mb1mx2.6/36, mbtmp3.6/4, Error ellipse: s-maj=133.1km s-min=25.5km az=68.0, Celebes Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, SONM, MKAR, etc.

IDC 20 00:36:34.0, 2.8, 15.26S, 173.50°W, h0km, mb3.7/5, mb1.4/1.5, mb1mx3.7/43, mbtmp3.7/5, Error ellipse: s-maj=163.2km s-min=24.7km az=147.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like HT12, HT13, HT14, etc.

WRA Warramunga Arr 26.34 158 P P 00 33 48.5 0.0

SONM Songino Array 45.75 34 P P 00 36 29.0 0.0

MKAR Makanchi Array 55.38 326 P P 00 37 39.6 +0.2

MKAR Zalesovo Beam 58.69 334 P P 00 38 32.2 -0.3

ZALV 0.2nm, 0.5s, baz=117, slow=0.4, SNR=2.6

ZALV 0.3nm, 0.4s, baz=116, slow=6.6, SNR=1.7

IDC 20 00:45:03.1, 1.1, 10.12, 88N, 7.94W, h0km, mb3.9/5, mb1.4/1.5, mb1mx3.7/43, mbtmp3.9/5, Error ellipse: s-maj=216.1km s-min=64.5km az=4.0

UCR 20 00:45:05.0, 2.2, 12.06N, 88.46W, h21km, 23km, MD3.8, ML3.1

ISC 20 00:45:03.6, 2.2, 11.88N, 0.10, 88.39W, 0.08, h31km, 15km, n21, c192/28, mb4.1/5, Off coast of central America

996

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like CSGN, CSGN, CNGN, etc.

LFRS El Faro 1.85 339 eP Pn 00 45 32.8 -0.6

LFRS MOMN Motomoto 1.88 74 eP Pn 00 45 35.8 -1.5

CAHU Cacacuita 1.88 5 eP Pn 00 45 34.5 +0.6

LFU La Fuente 1.98 339 eP Pn 00 45 34.7 -0.4

BOQS Boqueron 2.04 335 eP Pn 00 45 34.0 -2.0

SBL S San Blas 2.29 328 eP Pn 00 45 39.7 +0.3

SBL S San Blas 2.30 329 eP Pn 00 45 39.8 +0.2

RTR El Retiro 2.35 329 eP Pn 00 45 41.0 +0.8

RTR Tegucigalpa, Un 2.42 27 eP Pn 00 45 42.3 +1.3

TXL Lajitas Array 22.45 323 P P 00 50 02.2 +1.9

ULM Lac du Bonnet 38.75 352 P P 00 52 24.1 -0.9

SCHO Schefferville 46.06 17 eP Pn 00 53 23.9 -0.8

YKA Yellowknife Arr 53.92 345 P P 00 54 24.6 +0.7

INK Inuvik 63.47 343 P P 00 55 31.1 +0.9

IDC 20 00:46:51.6, 0.8, 9.41S, 159.14°E, h0km, mb3.9/6, mb1.4/0.6, mb1mx3.8/33, mbtmp3.9/6, Error ellipse: s-maj=29.5km s-min=14.5km az=177.0

ISCJBJ 20 00:46:53.9, 0.7, 9.55S, 0.2, 159.08°E, 0.05, h27km, mb3.9/6, Error ellipse: s-maj=24.9km s-min=6.9km az=178.9

ISC 20 00:46:55.7, 0.9, 9.55S, 0.2, 159.15°E, 0.07, h27km, n16, o=81/13, mb3.9/6, Bougainville-Solomon Islands region

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

HNR Honiara 0.78 88 Pn Pn 00 47 10.6 -0.1

HNR comp=Z, 191nm, 19.2s, baz=210, slow=12, SNR=109

HNR 4um, 0.3s, baz=129, slow=21, SNR=30

HNR Honiara 0.78 88 iP Pn 00 47 11.5 +0.6

WRA Warramunga Arr 26.13 244 P P 00 47 20.0 -1.0

WRA 0.8nm, 0.7s, baz=70, slow=9.8, SNR=14

ASAR Alice Springs 27.95 237 P P 00 52 43.0 -1.1

ASAR 0.2nm, 0.5s, baz=70, slow=10, SNR=1.4

ASAR 0.4nm, 0.7s, baz=52, slow=2.1, SNR=4.5

H115 WAKE ISLAND Hy 28.76 15 T T 01 21 36.3

H114 WAKE ISLAND Hy 28.76 15 T T 01 21 36.7

H113 WAKE ISLAND Hy 28.76 15 T T 01 21 36.8

H112 WAKE ISLAND Hy 28.76 15 T T 01 21 39.1

H111 WAKE ISLAND Hy 28.76 15 T T 01 21 39.3

H110 WAKE ISLAND Hy 28.76 15 T T 01 21 39.5

H109 WAKE ISLAND Hy 28.76 15 T T 01 21 39.7

ISCJBJ 20 00:54:53.1, 0.8, 20.58N, 0.06, 99.8E, 0.1, h10km, Error ellipse: s-maj=15.0km s-min=8.5km az=1.3

IDC 20 00:54:53.8, 1.4, 20.61N, 99.79°E, h0km, mb3.7/3, mb1.3/8.4, mb1mx3.5/32, mbtmp3.7/4, ML4.2/1, Error ellipse: s-maj=29.8km s-min=13.3km az=101.0

ISC 20 00:54:54.7, 1.1, 20.53N, 0.09, 99.83°E, 0.09, h10km, n13, o=87/13, Myanmar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like CRAI, PAYA, CMMT, etc.

CRAI Chiangrai 0.60 120 P P 00 55 04.6 -1.8

PAYA Paya 1.17 178 P P 00 55 16.1 -1.0

CMMT Chiang Mai 1.90 206 P P 00 55 26.9 -0.4

CHTO Chiang Mai 1.90 206 P P 00 55 26.9 -0.4

LAMP Lampang 2.01 185 P P 00 55 28.5 -0.3

CMAR Chiang Mai Arr 2.23 202 Pn Pn 00 55 31.8 0.0

CMAR 19nm, 0.3s, baz=13, slow=13, SNR=89

CMAR 158nm, 0.3s, baz=16, slow=17, SNR=331

CMAR 140nm, 0.3s, baz=32, slow=32, SNR=13

SUKH Sukhothai 3.04 158 P P 00 55 42.8 -1.1

NONG Nongkai 3.98 128 P P 00 56 04.8 -0.3

PBKT Sadao Pong 4.09 164 P P 00 55 58.1 -0.7

UTHA Uthaitani 4.96 184 P P 00 56 10.4 +1.0

SONM Songino Array 27.75 30 P P 01 00 45.3 +1.6

ILAR Eielson Array 28.74 15 P P 01 01 51.5 -0.7

ZALV Zalesovo Beam 35.28 345 P P 01 01 48.6 -1.0

ZALV 1.0nm, 0.6s, baz=160, slow=4.6, SNR=5.9

MEX 20 01:10:58.2, 0.7, 19.19N, 104.06W, h8km, 5km, MD3.9, Near coast of Jalisco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like R15V, R15V, EZSV, etc.

R15V 0.07 102 eP Pn 01 10 59.6 -0.7

R15V 0.52 156 eP Pn 01 11 01.5 -0.2

EZSV 0.07 102 eP Pn 01 11 07.1 -1.3

EZSV 0.07 102 eP Pn 01 11 15.6 +0.4

CJM Chamela 0.98 289 eP Pn 01 11 14.3 -2.8

CJM 0.7nm, 0.8s, baz=150, slow=9.9, SNR=5.2

MMIG Aquila 1.12 143 eS Pn 01 11 27.3 -2.5

MMIG 0.2nm, 0.4s, baz=179, slow=8.4, SNR=4.1

MMIG 0.3nm, 0.4s, baz=160, slow=4.6, SNR=5.9

JMA 20 01:22:14.0, 0.1, 27.83N, 127.86°E, h107km, 3km, M3.6, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like JOKE, JOKE, JIH, etc.

JOKE Okinoerabujima 0.79 126 Op Pn 01 22 47.6 +0.6

JOKE Iheya 1.80 173 P Pn 01 22 33.3 +0.3

JIH 1.80 173 P Pn 01 22 33.3 +0.3

JYRO Yoronjima 0.96 147 P Pn 01 22 34.5 0.0

JYRO 0.2nm, 0.4s, baz=179, slow=8.4, SNR=4.1

JTK Tokunoshima 0.97 92 P Pn 01 22 34.8 +0.2

JOW Kunigami 1.06 160 P Pn 01 22 35.8 +0.2

JOW 0.2nm, 0.4s, baz=179, slow=8.4, SNR=4.1

JAMN Amaminishikomi 1.23 70 P Pn 01 22 37.5 0.0

JAMN 0.2nm, 0.4s, baz=179, slow=8.4, SNR=4.1

JNTH Nagotoyohara 1.31 174 P Pn 01 22 38.8 +0.3

JNTH 0.2nm, 0.4s, baz=179, slow=8.4, SNR=4.1

JAGN Aguni-jima 1.35 204 P Pn 01 22 39.0 +0.1

JAGN 0.2nm, 0.4s, baz=179, slow=8.4, SNR=4.1

JAM Amami Oshima 1.65 69 P Pn 01 22 57.6 -0.1

JAM 0.2nm, 0.4s, baz=179, slow=8.4, SNR=4.1

JJT3 Tamagusuku3 1.68 182 P Pn 01 22 43.5 +0.6

JJT3 0.2nm, 0.4s, baz=179, slow=8.4, SNR=4.1

JJT3 0.2nm, 0.4s, baz=179, slow=8.4, SNR=4.1

JTAJ Takarajima 1.77 42 P Pn 01 22 44.4 +0.5

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like JOW, NACB, SONG1, etc.

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

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like H11S2, WAKE ISLAND, BOD, etc.

ISCJB 20 03:17:00.3, 1.0, 37:52N, 0103:143:73E, 0.03, h7km, 6km, mb4.6/90, MS4.2/22, Error ellipse: s-maj=5.6km

IDC 20 03:17:00.7-0.6, 37:51N, 143:70E, h0km, mb4.2/22, mb1.4, 4/29, mb1mx4.3/46, mbtmp4.3/29, ML4.2/6, MS3.9/10, Ms1.3/9.10, ms1mx3.5/30, Error ellipse: s-maj=15.2km

NIED 20 03:17:00, 37:60N, 143:60E, h5km, Mw4.6 Best double couple: M9.440000, 1015 N1.302500000, 843.000000, 1-75.000000, NP2%4.000000, 849.000000, 1-104.000000, 7-170.000000, 37:67N, 143:80E, h25km, mb4.7/61, mb5.0/38, Mb4.5/50, Ms7.4/342

JMA 20 03:17:03.8, 0.2, 37:50N, 143:60E, h46km, M4.9, MOS 20 03:17:04.0, 1.1, 37:59N, 143:75E, h33km, mb4.9/31, MS4.4/4, Error ellipse: s-maj=9.1km s-min=5.8km az=113.8

NEIC 20 03:17:05.8, 0.2, 37:47N, 143:73E, h35km, mb4.9/41, Error ellipse: s-maj=6.0km s-min=4.3km az=144.0

ISC 20 03:17:04.9, 0.6, 37:55N, 0104:143:76E, 0.05, h29km, 3km, n263, s1982/278, mb4.7/96, MS4.3/22, 7C-1D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like JIKH, JIO, JKM, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like DL2, KLR, KLR, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like CD2, GYA, GYA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Severo-Kuril's, Pauzhetka, Khodutka, Russkaya, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mesas, Parque Tenorio, Hotel Rincón, etc.

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Baumata, Sorong, Eielson Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PLVR, JTS, Vista de Mar, etc.

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

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

mb1 3.5/8, mb1mx3.3/38, mbtmp3.5/8, ML3.7/2, MS2.5/1, Ms1 2.5/1, ms1mx2.2/25, Error ellipse: s-maj=28.9km s-min=16.5km az=119.0

ISC 20 05:21:38.2-1.0, 37.633N, 105:04:37.64E, 0.07, h35km, n27, r1543/35, mb3.6/6, Off east coast of Honshu

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

IDC 20 05:24:43.7-1.7, 21:105:66:62W, h110km, 21km, mb3.2/2, mb1 3.4/6, mb1mx3.3/26, mbtmp3.6/6, Error ellipse: s-maj=24.8km s-min=12.7km az=99.0

ISCJB 20 05:24:44.5-0.5, 21:125:0:05:66:65W, 0.05, h126km, 6km, mb3.4/2, Error ellipse: s-maj=9.8km s-min=5.6km az=39.1

SJA 20 05:24:45.9-0.8, 21:235:66:76W, h72km, 7km, ML3.1, M3/3

ISC 20 05:24:44.9-0.9, 21:115:0:05:66:67W, 0.05, h116km, 10km, n25, r1540/32, 18D, Southern Bolivia

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for Southern Bolivia.

IDC 20 05:30:34.6-5.6, 22:63S-179:03W, h0km, mb3.6/2, mb1 3.8/2, mb1mx3.5/25, mbtmp3.6/2, Error ellipse: s-maj=299.3km s-min=82.8km az=159.0, South of Fiji Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for South of Fiji Islands.

MEX 20 05:50:07.9-0.6, 14:41N-92:17W, h74km, 11km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for Chiapas.

BUI 20 05:56:01.8, 22:65N-95:91E, h10km, mb4.5/34, mb4.7/23, ML4.5/7, Ms4.5/32, Ms7.4/3/24

IDC 20 05:56:02.7-0.5, 22:86N-95:93E, h0km, mb4.1/23, mb1 4.2/25, mb1mx4.1/22, mbtmp4.1/25, ML4.6/2, MS3.6/22, Ms1 3.6/22, ms1mx3.4/22, Error ellipse: s-maj=19.9km s-min=10.2km az=57.0

NEIC 20 05:56:04.3-0.2, 22:86N-95:99E, h10km, mb4.7/16, Error ellipse: s-maj=6.1km s-min=3.4km az=58.0

ISCJB 20 05:56:05.7-0.2, 22:81N, 0:02:95:95E, 0.02, h32km, mb4.5/59, MS3.7/24, Error ellipse: s-maj=4.0km s-min=2.4km az=40.4

NDI 20 05:56:05.3-2.5, 22:81N-96:09E, h10km, ML4.6, mb4.7(NEIC)

MOS 20 05:56:06.2-1.2, 22:79N-95:83E, h33km, mb4.9/19, Error ellipse: s-maj=12.1km s-min=5.6km az=115.3

ISC 20 05:56:08.4-0.3, 22:91N, 0:03:95:89E, 0.03, h32km, n185, r207/203, mb4.6/59, MS3.6/25, 15C-2D, Myanmar

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for Myanmar.

IDC 20 05:56:05.7-0.2, 22:81N, 0:02:95:95E, 0.02, h32km, mb4.5/59, MS3.7/24, Error ellipse: s-maj=4.0km s-min=2.4km az=40.4

NDI 20 05:56:05.3-2.5, 22:81N-96:09E, h10km, ML4.6, mb4.7(NEIC)

MOS 20 05:56:06.2-1.2, 22:79N-95:83E, h33km, mb4.9/19, Error ellipse: s-maj=12.1km s-min=5.6km az=115.3

ISC 20 05:56:08.4-0.3, 22:91N, 0:03:95:89E, 0.03, h32km, n185, r207/203, mb4.6/59, MS3.6/25, 15C-2D, Myanmar

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for Myanmar and other regions.

Table with columns: Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations for various regions including LZH, XAN, and others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like JMK, JYS, JFY, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include MAT Matsushiro, H11N2 WAKE ISLAND, H11N1 WAKE ISLAND, etc.

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NWAOW Narrogin (SRO), ODAN Odare, RAMN Ramite, etc.

DJA 20 09:27:31.0, 0.8, 3.7N, 143.99E, h126km, 9km, M2.8/6, MLV2.8/6, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TSI Tuntungan, KCSI Kotacane, ACEH, etc.

IDC 20 09:29:49.8, 1.1, 51.57N, 96.01E, h0km, mb3.9/2, mb1.3/6.5, mb1mx3.3/5.7, mbtmp3.6/5, ML3.1/3, Error ellipse: s-maj=29.6km s-min=11.2km az=177.0

MOS 20 09:29:49.8, 3.0, 51.77N, 95.98E, h10km, mb4.1/1, Error ellipse: s-maj=12.2km s-min=9.4km az=0.9

ASRS 20 09:29:52.9, 1.9, 51.78N, 95.89E, h15km, Ms3.1/2

ISC 20 09:29:50.9, 0.7, 51.85N, 0.05, 95.83E, 0.03, h10km, n27, e2=12/31, mb4.1/3, 5C-2D, Southwest Siberia

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including HVS, KNGR, ERNS, ORL, CERR, etc.

NIED 20 09:31:00, 38.00N, 143.90E, h5km, Mw4.5 Best double couple: M6.55000, 1.015, NP1.3201, 0.0000, 842.0000, 1-85.0000, NP2.14, 0.0000, 848.0000, 1, 94.0000, 0.

IDC 20 09:31:34.7, 0.5, 37.90N, 143.94E, h0km, mb4.6/30, mb1.4/7.38, mb1mx4.6/5.6, mbtmp4.7/38, ML4.1/7, MS3.7/24, Ms1.3/7.24, ms1mx3.5/5.1, Error ellipse: s-maj=13.2km s-min=10.9km az=135.0

ISCJB 20 09:31:35.9, 0.9, 37.97N, 0.03, 143.82E, 0.02, h13km, 5km, mb4.7/13, MS4.0/31, Error ellipse: s-maj=4.4km s-min=3.1km az=170.9

NEIC 20 09:31:37.0, 1.8, 37.91N, 143.92E, h14km, 10km, mb4.8/67, Error ellipse: s-maj=4.6km s-min=3.2km az=132.0

JMA 20 09:31:37.5, 0.2, 37.99N, 143.86E, h41km, M4.7, BUJ 20 09:31:39.0, 38.12N, 143.71E, h31km, mb4.8/62, mb5.0/37, Ms4.4/2, Ms7.4/3/33

MOS 20 09:31:39.8, 1.0, 38.18N, 143.75E, h33km, mb5.0/43, MS4.3/7, Error ellipse: s-maj=8.4km s-min=4.7km az=118.7

ISC 20 09:31:38.4, 0.6, 38.02N, 0.04, 143.91E, 0.04, h24km, 3km, h24km, pp-P, n366, e1970/396, mb4.8/140, MS4.0/33, 28C-19D, Off east coast of Honshu

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including IJHK, IJKH, OFUJ, etc.

KLR Kul'dur 14.23 326 Pn Pn 09 34 56.7 -1.7 CN2 Changchun 15.10 298 eP Pn 09 35 10.9 +0.8 CN2

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including KLR, CN2, JOW, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like LZH, BILBINO, GAOTAI, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like RAMN Ramite, GUN Gumba, KKN Kakani, etc.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like KLMR, GEYT, GYA0B, etc.

20d 10h

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

SOME 20 09:32:06.3, 44.72N, 82.05E, h0km, mb3.3, mpv2.9, NNC 20 09:32:07.9, 1.7, 44.69N, 82.22E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=24.1km s-min=4.3km az=116.0

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

2012 DEC

KRSC 20 09:33:16.5, 1.0, 54.39N, 162.17E, h43km, 18km, ML3.6, Near east coast of Kamchatka Peninsula

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

IDC 20 09:50:32.4, 2.1, 0.13N, 125.23E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.3/43, mbtmp3.6/4, Error ellipse: s-maj=201.0km s-min=28.1km az=64.0, Northern Molucca Sea

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

IDC 20 09:50:59.9, 1.4, 0.07N, 126.58E, h0km, mb3.6/4, mb1 3.6/4, mb1mx3.5/46, mbtmp3.6/4, Error ellipse: s-maj=147.5km s-min=21.5km az=69.0, Northern Molucca Sea

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

NIED 20 09:58:07.3, 70N, 143.50E, h8km, Mw3.7 Best double couple: M3.540000, 1014 NP1.32, 32.00000, 831.00000, lambda=75.00000, NP2.32, 195.00000, 860.00000, lambda=99.00000

IDC 20 09:58:26.5, 0.8, 37.61N, 143.79E, h0km, mb3.8/7, mb1 4.0/8, mb1mx3.7/53, mbtmp3.8/8, ML4.0/1, Error ellipse: s-maj=27.0km s-min=20.0km az=113.0, ISCJB 20 09:58:29.0, 0.6, 37.62N, 143.80E, h0km, mb3.8/7, Error ellipse: s-maj=5.5km s-min=4.6km az=176.6

JMA 20 09:58:30.4, 0.2, 37.66N, 143.54E, h55km, M3.7, ISC 20 09:58:31.2, 0.8, 37.65N, 143.63E, h55km, M3.2, Error ellipse: s-maj=182.43, mb3.8/7, Off east coast of Honshu

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

DJA 20 10:12:02.5, 1.2, 1.4S, 124.24E, h10km, M3.7/7, mb3.9/1, MLv3.6/7, Minahasa Peninsula, Sulawesi

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

1010

Table with columns: SANI, Sanana, 2.52 121 P Pn, 10 12 43.8 +0.2, etc.

SOME 20 10:37:25.8, 40.95N, 79.95E, h0km, KRNET 20 10:37:27.8, 0.1, 40.96N, 79.96E, mb2.9, ISC 20 10:37:25.3, 3.3, 40.9N, 0.1, 79.96E, 0.09, h0km, 19km, n10, 1923/20, 8C, Southern Xinjiang

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

NIED 20 10:54:00, 42.00N, 144.20E, h26km, Mw4.4 Best double couple: M4.23000, 1015 NP1.32, 141.00000, 836.00000, lambda=56.00000, NP2.32, 281.00000, 861.00000, lambda=112.00000

MOS 20 10:54:19.3, 1.1, 41.86N, 144.09E, h33km, mb4.5/19, Error ellipse: s-maj=8.3km s-min=5.8km az=88.3, JMA 20 10:54:20.8, 0.1, 41.93N, 144.06E, h57km, 3km, M4.4, JMA Felt J1

IDC 20 10:54:23.2, 2.3, 41.95N, 144.00E, h52km, 20km, mb4.0/28, mb1 4.1/32, mb1mx4.0/64, mbtmp4.2/32, ML3.4/4, MS3.7/20, Ms1 3.7/20, ms1mx3.5/49, Error ellipse: s-maj=13.8km s-min=11.3km az=127.0

BJI 20 10:54:25.1, 42.17N, 142.59E, h10km, mb4.5/24, MB4.8/13, Ms4.2/11, Ms7.3/9, NEIC 20 10:54:26.9, 0.3, 42.19N, 142.49E, h10km, mb4.6/27, Error ellipse: s-maj=7.0km s-min=5.7km az=160.0, NEIC Recorded [1 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu.

ISC 20 10:54:19.8, 0.2, 41.90N, 144.00E, h20km, 6km, n167, s152/144, mb4.5/68, MS3.8/15, 11C-40, Hokkaido region

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

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MAJO Matsuhiro, MAT Matsuhiro, and various other regional stations.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ILAR Eielson Array, KURK Kurchatov, and various other regional stations.

Table with columns: Code, Station Name, Frequency, Power, Phase ID, Time, and Res. Includes stations like SCHO Schefferville, PMOR Pamarloro Ree, and various other regional stations.

20d 12h

ISCJB 20 11:43:10.1-0.9,54.46N,101.161.39W,0.08,h56km,6km, mb3.8/10,MS3.5/1, Error ellipse: s-maj=17.8km s-min=4.1km az=156.8

NEIC 20 11:43:11.8-0.0,54.50N,101.161.51W,h37km,ML3.2(AEIC), After AEIC

ISC 20 11:43:11.8-1.5,54.5N,101.161.54W,0.07,h49km,12km, n55,e1949/55,mb3.9/10,Alaska Peninsula

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

NIED 20 11:43:00.37,50N,143.50E,h5km,Mw4.1 Best double couple: M1:58000x1015 N1:502x20.00000, 0.836.00000, L:83.00000, NP2:0.95.00000, 854.00000, L:95.00000

IDC 20 11:43:25.8-0.6,37.50N,143.72E,h0km,mb4.1/22, mb1.4/22,mb1mx4.1/65,mbtmp4.1/28,ML3.8/5, Error ellipse: s-maj=16.8km s-min=13.7km az=99.0

ISCJB 20 11:43:29.3-0.3,37.53N,143.68E,h35km,h33km, mb4.3/49, Error ellipse: s-maj=4.4km s-min=3.7km az=129.2

MOS 20 11:43:29.5-1.2,37.59N,143.69E,h34km,mb4.5/22, Error ellipse: s-maj=9.9km s-min=6.1km az=117.3

JMA 20 11:43:29.4-0.3,37.53N,143.55E,h42km,ML4.3 NEIC 20 11:43:31.2-0.2,37.53N,143.68E,h35km,mb4.5/22, Error ellipse: s-maj=4.8km s-min=3.8km az=126.0

ISC 20 11:43:31.3-0.5,37.63N,143.67E,0.06,h35km,n149, e1567/165,mb4.4/49,3C-9D, Off east coast of Honshu

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

2012 DEC

Main table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Lists seismic stations and their recorded data.

1012

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Lists seismic stations and their recorded data.

ISCJB 20 11:51:58.1-0.9,13.3N,101.146E,0.01,h100km,mb3.6/6, Error ellipse: s-maj=16.7km s-min=13.9km az=26.7

IDC 20 11:52:01.4-2.2,13.23N,101.146E,0.01,h100km,mb3.4/7, mb1.3/0.7, mb1mx3.2/50,mbtmp3.3/77, Error ellipse: s-maj=39.4km s-min=15.9km az=103.0

ISC 20 11:52:00.1-0.9,13.3N,101.146E,0.01,h100km,n9, e15110/10,mb3.6/6,Mariana Islands

IDC 20 12:08:14.1-3.0,1.78N,129.46E,h0km,mb3.0/3, mb1.3/2.3,mb1mx3.1/36,mbtmp3.0/3, Error ellipse: s-maj=214.3km s-min=28.5km az=69.0, Halmaheira

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

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IJHK Ishinomakikobu, JIKH Kawauchi, JIO Ouri, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IJHK Ishinomakikobu, JIKH Kawauchi, JIO Ouri, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IJHK Ishinomakikobu, JIKH Kawauchi, JIO Ouri, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IJHK Ishinomakikobu, JIKH Kawauchi, JIO Ouri, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IJHK Ishinomakikobu, JIKH Kawauchi, JIO Ouri, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IJHK Ishinomakikobu, JIKH Kawauchi, JIO Ouri, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IJHK Ishinomakikobu, JIKH Kawauchi, JIO Ouri, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IJHK Ishinomakikobu, JIKH Kawauchi, JIO Ouri, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IJHK Ishinomakikobu, JIKH Kawauchi, JIO Ouri, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IJHK Ishinomakikobu, JIKH Kawauchi, JIO Ouri, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like AVH Avacha, SDR Sedlovina, SDR Sedlovina, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like AVH Avacha, SDR Sedlovina, SDR Sedlovina, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like AVH Avacha, SDR Sedlovina, SDR Sedlovina, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like AVH Avacha, SDR Sedlovina, SDR Sedlovina, etc.

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like AVH Avacha, SDR Sedlovina, SDR Sedlovina, etc.

ISCJB 20:13:00.08.9.0.6, 51.40N.0.03.16.12E.0.03, h0km, Error ellipse: s-maj=3.9km s-min=2.8km az=9.4 PRU 20:13:00.11.3.0.0, 51.43N.16.13E, h0km VIE 20:13:00.12.3.1.2, 51.25N.16.13E, h0km, mb2.5/7, ml2.8/9, ms3.4/VN, Error ellipse: s-maj=8.1km s-min=4.5km az=151.0 64 km WNW of Wrocław Suspected Mining induced. WAR 20:13:00.15.9.51.01N.14.82E, h1km, Mw2.6 ISC 20:13:00.09.0.9, 51.49N.0.03.16.15E.0.02, h0km, n36, c116/68, Poland

NEIC 20:12:57.16.0.0.48, 26N.115.90W, h1km, MD3.1(BUT), After BUT. PGC 20:12:57.19.3.6.6, 48.07N.115.78W, h1km, ML3.1, ML3.5/6, 127km Ene of Spokane, Wa Montana ISC 20:12:57.16.8.1.3, 48.20N.10.03.115.88W.0.02, h2km, n11km, n46, c97/57, Montana

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like BSMT Bassoo Peak, NEW Newport, JTMT Jette, etc.

ISC 20:12:58.10.6.1.9, 19.33S.142.31E, h0km, mb3.4/3, mb1.3/5.4, mb1mx3.2/37, mbtmpp3.4/4, ML2.6/1, Error ellipse: s-maj=83.6km s-min=29.0km az=100.0, Ninigo Islands region

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like WARR Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Arr, etc.

MOS 20:12:59.49.4.1.4, 89.88N.156.23E, h7km, mb4.1/2, Error ellipse: s-maj=4.3km s-min=3.5km az=79.9 ISC 20:12:59.50.1.2.4, 86N.156.34E, h0km, mb3.6/4, mb1.3/9.5, mb1mx3.4/45, mbtmpp3.6/5, ML2.6/1, MS3.3/2, Ms1.3/2, ms1mx2.6/43, Error ellipse: s-maj=104.7km s-min=20.7km az=117.0 KRSC 20:12:59.56.8.1.2, 49.47N.156.50E, h7km, 15km, ML4.4 ISC 20:12:59.52.0.1.2, 49.32N.107.156.6E.0.1, h10km, n32, c236/30, mb3.7/4, Kuril Islands

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, PAU Puzhetka, etc.

NIED 20:13:00.00.37.30N.143.50E, h5km, Mw3.5 Best double couple: M2.07000x1014 N1P1.4x2.00000, s24.00000, -7.92.00000, NP2.4x225.00000, 866.00000, N1.89.00000

ISC 20:13:00.18.7.1.9, 37.11N.143.87E, h0km, mb3.5/5, mb1.3/6.7, mb1mx3.4/40, mbtmpp3.5/7, ML2.5/2, M2.8/1, Ms1.2/8.1, ms1mx2.2/35, Error ellipse: s-maj=52.4km s-min=22.6km az=70.0

ISCJB 20:13:00.22.3.0.8, 37.26N.104.143.56E.0.06, h33km, mb3.4/5, Error ellipse: s-maj=7.0km s-min=5.9km az=1.7 JMA 20:13:00.23.5.0.2, 37.28N.143.47E, h42km, M3.6 ISC 20:13:00.24.1.1.2, 37.24N.105.143.58E.0.09, h35km, n27, c196/39, mb3.4/5, Off east coast of Honshu

Table with columns: Code, Station Name, n19, c131/30, Off east coast of Honshu, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IJHK Ishinomakikobu, JIKH Kawauchi, JIO Ouri, etc.

20d 15h

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details for various stations.

2012 DEC

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details for various stations.

1016

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details for various stations.

1017

LVC	comp-Z,58nm,0.3s,baz=87,slow=2.1,SNR=10	S	S	15 02 53.8	-3.0
LVC	Limon Verde	4.78 271	eP	15 01 45.3	-0.3
LVC	Limon Verde	4.78 271	eS	15 02 50.4	-6.4
LVC	Limon Verde	4.78 271	eS	15 01 45.3	-0.3
LVC	Limon Verde	4.78 271	eS	15 02 49.9	-6.9
LVC	comp-Z,250nm,0.6s	IAML		15 03 02.1	
LVC	Limon Verde	4.78 271	eP	15 01 45.3	-0.3
LVC	Limon Verde	4.78 271	eS	15 02 50.4	-6.4
LB09	IPOC Station P	5.20 280	eP	15 03 01.4	-1.6
PB09	IPOC Station P	5.20 280	eS	15 03 01.4	-1.6
PB15	IPOC Station P	5.30 264	eP	15 01 49.7	-0.3
PB15	IPOC Station P	5.30 264	eS	15 03 02.5	-2.2
PB06	IPOC Station P	5.39 270	eP	15 01 50.2	-0.5
PB06	IPOC Station P	5.39 270	eS	15 03 02.5	-2.5
PB03	IPOC Station P	5.62 276	eP	15 01 52.1	-0.7
PB03	IPOC Station P	5.62 276	eS	15 03 08.5	-1.4
PB01	IPOC Station P	5.62 287	eP	15 01 52.6	-0.1
PB01	IPOC Station P	5.62 287	eS	15 03 07.6	-2.2
PB01	IPOC Station P	5.62 287	eS	15 01 52.5	-0.3
PB01	IPOC Station P	5.62 287	eS	15 03 09.5	-0.2
PB08	IPOC Station P	5.70 297	eP	15 01 54.5	+0.7
PB08	IPOC Station P	5.70 297	eS	15 03 11.1	-0.5
PB07	IPOC Station P	5.80 279	eP	15 01 54.6	+0.2
PB07	IPOC Station P	5.80 279	eS	15 03 11.1	-1.1
GO02	Mina Guanaco	5.85 245	eP	15 01 54.8	-0.3
GO02	Mina Guanaco	5.85 245	eS	15 03 12.9	-1.5
PB02	IPOC Station P	5.90 283	eP	15 01 55.5	+0.2
PB02	IPOC Station P	5.90 283	eS	15 03 13.8	-0.7
CYA	Choyo	5.92 198	eP	15 01 54.6	-0.7
CYA	Choyo	5.92 198	eS	15 03 10.2	-4.4
CYA	Choyo	5.92 198	eS	15 03 20.3	
PB04	IPOC Station P	5.95 273	eP	15 01 55.7	-0.2
PB04	IPOC Station P	5.95 273	eS	15 03 13.1	-2.3
PB04	IPOC Station P	5.95 273	eS	15 01 55.6	-0.2
PB04	IPOC Station P	5.95 273	eS	15 03 14.1	-1.3
PB05	IPOC Station P	5.97 268	eP	15 01 55.7	-0.3
PB05	IPOC Station P	5.97 268	eS	15 03 14.3	-1.4
GO01	Chusmiza	5.97 300	eP	15 01 57.0	+0.6
GO01	Chusmiza	5.97 300	eS	15 03 16.3	-0.1
PB11	IPOC Station P	6.29 298	eP	15 01 58.9	-0.2
PB11	IPOC Station P	6.29 298	eS	15 03 19.1	-2.3
PB11	IPOC Station P	6.29 298	eS	15 01 59.0	-0.2
PB11	IPOC Station P	6.29 298	eS	15 03 19.6	-1.8
PB10	IPOC Station P	6.32 262	eP	15 01 59.1	+0.1
PB10	IPOC Station P	6.32 262	eS	15 03 19.8	-1.6
PB10	IPOC Station P	6.32 262	eS	15 01 59.2	+0.1
PB10	IPOC Station P	6.32 262	eS	15 03 20.3	-1.3
PB14	IPOC Station P	6.38 252	eP	15 02 00.4	+0.4
PB14	IPOC Station P	6.38 252	eS	15 03 19.9	-3.2
MMNC	Minye Minye	6.58 303	eP	15 02 04.4	+0.4
MMNC	Minye Minye	6.58 303	eS	15 03 23.8	-2.8
MMNC	Minye Minye	6.58 303	eS	15 02 02.3	-0.3
MMNC	Minye Minye	6.58 303	eS	15 03 26.0	+0.6
PSGCX	Pisagua	6.76 297	eP	15 02 03.4	0.0
PSGCX	Pisagua	6.76 297	eS	15 03 27.8	-1.6
CPUP	Villa Florida	6.81 122	eP	15 02 04.2	+0.5
CPUP	Villa Florida	6.81 122	eS	15 03 29.3	-0.7
CPUP	Villa Florida	6.81 122	eS	15 02 03.5	-0.2
CPUP	Villa Florida	6.81 122	eS	15 03 29.3	-0.7
CPUP	Villa Florida	6.81 122	eS	15 02 03.5	-0.2
CPUP	Villa Florida	6.81 122	eS	15 03 29.3	-0.7
VCA	Vinchina	7.16 213	eP	15 02 07.5	+0.2
VCA	Vinchina	7.16 213	eS	15 03 30.0	-3.5
ACL	CERRO LA CRUZ	7.21 203	eP	15 02 05.8	-1.9
ACL	CERRO LA CRUZ	7.21 203	eS	15 03 30.7	-6.7
PB12	IPOC Station P	7.44 303	eP	15 02 19.1	-2.3
PB12	IPOC Station P	7.44 303	eS	15 03 37.5	-4.2
GO03	Copiap	7.58 230	eP	15 02 11.4	0.0
GO03	Copiap	7.58 230	eS	15 03 44.3	+0.3
LPAZ	La Paz	7.69 327	eP	15 02 14.3	+1.0
LPAZ	La Paz	7.69 327	eS	15 03 44.6	-2.5
LPAZ	La Paz	7.69 327	eP	15 02 14.1	+0.8
LPAZ	La Paz	7.69 327	eS	15 03 46.1	-1.0
LPAZ	La Paz	7.69 327	eS	15 02 13.8	-0.9
LPAZ	La Paz	7.69 327	eS	15 03 47.2	-0.2
LPAZ	La Paz	7.69 327	eP	15 02 14.0	+0.8
AGUA	GUANDACOL	7.92 212	eP	15 02 13.8	-0.9
AGUA	GUANDACOL	7.92 212	eS	15 03 47.7	-2.5
APLL	PUNTA DE LOS L	7.97 198	eP	15 02 12.9	-2.3
APLL	PUNTA DE LOS L	7.97 198	eS	15 03 47.7	-2.5
TCA	Tanti	8.54 185	eP	15 02 18.4	-2.7
TCA	Tanti	8.54 185	eS	15 03 55.8	-6.0
TCA	Tanti	8.54 185	eS	15 04 29.0	
ACDV	Cuesta del Vie	8.79 212	eP	15 02 24.7	+1.0
ACDV	Cuesta del Vie	8.79 212	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas	8.81 224	eS	15 04 05.6	-1.6
LCO	Las Campanas	8.81 224	eP	15 02 23.6	-0.4
LCO	Las Campanas	8.81 224	eS	15 04 07.7	+0.5
LCO	Las Campanas	8.81 224	eS	15 04 17.0	
LCO	Las Campanas	8.81 224	eP	15 02 24.7	+1.0
LCO	Las Campanas	8.81 224	eS	15 04 04.7	-1.8
LCO	Las Campanas	8.81 224	eP	15 02 24.2	+0.1
LCO	Las Campanas</				

20d 15h

2012 DEC

1018

P55A	Reedsville	63.78 346	P	P	15 09 58.9 +0.6	CCM	Cathedral Cave	65.82 336	eP	P	15 10 10.7 -0.5	G53A	Haliburton	68.94 349	P	P	15 10 30.4 +0.2
Q52A	Bidwell	63.84 344	P	P	15 09 58.8 +0.1	CCM	Cathedral Cave	65.82 336	eP	P	15 10 10.7 -0.5	I48A	Sherman Twp	69.12 345	P	P	15 10 30.7 -0.6
S47A	Hartford	63.90 340	P	P	15 09 57.8 -1.2	CCM	comp-Z, 13nm, 0.6s			pmax		L41A	Preston	69.13 339	P	P	15 10 30.5 -0.9
NVL	N'azarevskaya	63.91 159	iP	S	15 09 58.9 +0.2	O48A	Farmland	65.83 342	P	P	15 10 10.5 -0.8	L40A	Anamosa	69.36 338	P	P	15 10 31.8 -1.0
NVL					15 17 54.9 +2.2	R42A	Leubring	65.85 337	P	P	15 10 10.5 -0.9	TRQ	Shullsburg	69.39 352	eP	P	15 10 33.1 +0.2
MCWV	Mont Chateau	63.93 346	P	P	15 09 60.0 +0.7	P45A	Graceland, Par	65.94 340	eP	P	15 10 10.6 -1.2	K41A	Shullsburg	69.55 339	P	P	15 10 33.2 -0.7
R49A	Shelbyville	64.01 341	P	P	15 09 59.6 -0.2	P45A	Graceland, Par	65.94 340	P	P	15 10 10.7 -1.2	H47A	Mio	69.63 345	P	P	15 10 33.9 -0.5
P53A	Whipple	64.12 345	eP	P	15 10 00.9 +0.4	Q43A	New Douglas	66.06 338	P	P	15 10 11.7 -0.9	J43A	Natural Harves	69.66 341	P	P	15 10 33.8 -0.7
P53A	Whipple	64.12 345	P	P	15 10 00.8 +0.4	R41A	Rosebud	66.08 336	P	P	15 10 12.3 -0.6	BNN	Barren Site	69.80 323	eP	P	15 10 37.9 +2.0
V41A	Mountainview	64.18 335	P	P	15 10 00.3 -0.6	O47A	Sheridan	66.11 341	P	P	15 10 12.4 -0.5	JFWS	Jewell Farm	69.80 340	P	P	15 10 35.2 -0.2
Q51A	Peebles	64.18 343	eP	P	15 10 00.0 -0.8	P44A	Sand Creek, Wi	66.17 339	P	P	15 10 12.3 -1.0	H46A	Five Lake	69.83 344	P	P	15 10 35.0 -0.5
Q51A	Peebles	64.18 343	P	P	15 10 00.7 -0.2	N49A	Columbus Grove	66.18 343	eP	P	15 10 13.3 -0.1	K40A	Colesburg	69.90 339	P	P	15 10 35.6 -0.4
Q50A	Georgetown	64.19 343	P	P	15 10 00.5 -0.4	N49A	Columbus Grove	66.18 343	P	P	15 10 13.0 -0.3	CBKS	Cedar Bluff	69.96 331	P	P	15 10 37.1 +0.6
LIC	Lamto	64.21 71	eP	P	15 10 01.0 -0.6	WMOK	Wichita Moun	66.19 329	eP	P	15 10 13.6 0.0	E52A	Mattawa	70.07 349	P	P	15 10 37.1 +0.2
O56A	Blue Knob Stat	64.25 347	eP	P	15 10 01.8 +0.5	WMOK	Wichita Moun	66.19 329	eP	P	15 10 13.6 0.0	J41A	Loganville	70.13 340	P	P	15 10 37.0 -0.3
O56A	Blue Knob Stat	64.25 347	P	P	15 10 01.8 +0.5	ERPA	Erie	66.31 347	eP	P	15 10 14.7 +0.5	K39A	Oswein	70.16 338	P	P	15 10 36.7 -0.9
S46A	Don Dixon Farm	64.25 339	P	P	15 10 00.9 -0.4	ERPA	Erie	66.31 347	P	P	15 10 14.5 +0.3	ANMO	Albuquerque	70.29 324	eP	P	15 10 39.6 +0.8
WCI	Wyandotte Cave	64.30 340	eP	P	15 10 00.2 -1.4	Q42A	Golden Eagle	66.32 337	P	P	15 10 13.7 -0.6	ANMO	Albuquerque	70.29 324	iP	pmax	15 10 38.9 +0.2
WCI	Wyandotte Cave	64.30 340	eP	P	15 10 00.2 -1.4	N48A	Decatur	66.35 342	P	P	15 10 13.7 -0.7	J40A	Soldiers Grove	70.39 339	P	P	15 10 38.5 -0.4
WCI	Wyandotte Cave	64.30 340	P	P	15 10 00.6 -1.0	SFIN	Lafayette	66.51 341	eP	P	15 10 14.9 -0.6	F48A	Evansville	70.42 346	P	P	15 10 38.8 -0.2
U42A	Reviden	64.32 336	P	P	15 10 01.3 -0.4	SFIN	Lafayette	66.51 341	P	P	15 10 14.3 -1.1	H43A	Windswept, Lux	70.46 342	P	P	15 10 38.8 -0.5
R48A	Northridge Ran	64.32 341	P	P	15 10 01.2 -0.6	N47A	Urbana	66.56 342	P	P	15 10 15.1 -0.6	E51A	G1948 Herrick	70.46 349	P	P	15 10 39.2 -0.1
W39A	Magazine	64.33 333	P	P	15 10 01.7 -0.2	O45A	Potomac	66.59 340	P	P	15 10 14.7 -1.2	D54A	Lac Fused, La	70.59 351	P	P	15 10 39.5 -0.5
O55A	Ligonier	64.34 347	P	P	15 10 02.4 +0.6	Q41A	Truxton	66.61 337	P	P	15 10 14.9 -1.1	E50A	Walnupitae	70.59 348	P	P	15 10 39.6 -0.4
T44A	Benton	64.36 337	P	P	15 10 01.2 -0.8	P43A	Skaggs, Pawnee	66.62 339	P	P	15 10 15.2 -1.0	J39A	Decorah	70.66 339	P	P	15 10 39.9 -0.6
N59A	State Game Lan	64.37 350	eP	P	15 10 02.4 +0.4	M49A	Liberty Center	66.64 344	P	P	15 10 15.4 -0.9	I41A	Arkdale	70.71 340	P	P	15 10 40.0 -0.8
N59A	State Game Lan	64.37 350	P	P	15 10 02.6 +0.6	O44A	Manfield	66.74 340	P	P	15 10 15.8 -1.0	H42A	Shiocton	70.72 341	P	P	15 10 40.2 -0.6
PBMO	Poplar Bluff	64.39 336	eP	P	15 10 01.8 -0.4	M48A	Edgerton	66.85 343	P	P	15 10 17.0 -0.6	T25A	Trinidad	70.87 327	P	P	15 10 42.9 +0.7
TIC	Toumodi	64.42 70	eP	P	15 10 02.3 -0.6	P42A	Winchester	66.85 338	P	P	15 10 17.0 -0.5	TUC	Tucson	70.88 319	P	P	15 10 42.6 +0.4
R47A	Wooly Knot Far	64.43 340	P	P	15 10 01.9 -0.5	N46A	Monticello	66.88 341	P	P	15 10 16.7 -1.0	D51A	Lot 18 Range I	70.98 349	P	P	15 10 42.2 -0.1
P52A	Corning	64.44 344	P	P	15 10 02.3 -0.1	M47A	Cromwell	66.98 342	P	P	15 10 17.8 -0.6	D50A	OS74 Best Tow	71.14 348	P	P	15 10 43.1 -0.1
SSPA	Standing Stone	64.47 348	eP	P	15 10 02.9 +0.3	N45A	Kentland	67.07 341	P	P	15 10 17.7 -1.2	E47A	Iron Bridge	71.16 346	P	P	15 10 43.3 0.0
SSPA	Standing Stone	64.47 348	P	P	15 10 03.3 +0.7	LBNH	Lisbon	67.13 354	eP	P	15 10 20.2 +1.1	E46A	Sault Ste Mari	71.32 345	P	P	15 10 43.8 -0.5
X37A	Clayton	64.50 331	eP	P	15 10 03.0 +0.4	LBNH	Lisbon	67.13 354	eP	P	15 10 20.3 +1.1	H40A	Chili	71.38 340	P	P	15 10 44.2 -0.5
K37A	Kosan Boka	64.53 71	eP	P	15 10 03.2 -0.4	LBNH	Lisbon	67.13 354	P	P	15 10 19.9 +0.7	BGNE	Belgrade	71.41 333	eP	P	15 10 45.2 +0.2
LTX	Lajitas	64.53 322	eP	P	15 10 04.0 +0.7	NCB	Newcomb	67.13 352	eP	P	15 10 19.5 +0.3	BGNE	Belgrade	71.41 333	P	P	15 10 44.8 -0.2
LTX	Lajitas	64.53 322	P	P	15 10 04.0 +0.7	L49A	Milan	67.19 344	P	P	15 10 19.4 -0.1	VLDQ	Val d'Or	71.65 350	eP	P	15 10 46.0 -0.1
TXAR	Lajitas Array	64.53 322	P	P	15 10 04.0 +0.7	P41A	Barry Barry	67.19 337	P	P	15 10 18.7 -0.9	SDCO	Great Sand Dun	71.89 326	eP	P	15 10 49.5 +1.3
TX31	Lajitas Ar. Si	64.53 322	eP	P	15 10 03.8 +0.4	L48A	N Adams	67.20 343	P	P	15 10 19.1 -0.6	XDCO	Great Sand Dun	71.89 326	P	P	15 10 49.5 +1.3
P51A	Williamsport	64.53 344	P	P	15 10 03.0 -0.1	N44A	Pipe City	67.21 340	P	P	15 10 18.9 -0.8	S18A	Growlflake	71.95 321	eP	P	15 10 50.1 +1.6
U41A	Viola	64.57 335	P	P	15 10 02.5 -1.0	M46A	Old House Fiel	67.24 342	P	P	15 10 19.9 0.0	E43A	Lone Tree Farm	72.00 343	P	P	15 10 47.3 -1.0
DBIC	Dimbokro	64.57 70	P	P	15 10 03.7 -0.2	M46A	Old House Fiel	67.24 342	P	P	15 10 19.9 0.0	F41A	Three Lakes	72.00 342	P	P	15 10 48.3 -0.1
DBIC	Dimbokro	64.57 70	eP	P	15 10 03.1 -0.8	WVW	Waterville	67.25 355	eP	P	15 10 20.9 +1.0	G39A	Holcombe	72.22 340	P	P	15 10 49.4 -0.2
DBIC	Dimbokro	64.57 70	P	P	15 10 03.1 -0.8	EMMW	East Machias	67.26 357	eP	P	15 10 20.4 +0.4	E42A	Champion	72.30 343	P	P	15 10 50.1 +0.1
DBIC	Dimbokro	64.57 70	P	P	15 10 03.1 -0.8	MNTX	Cornudas Mount	67.27 322	eP	P	15 10 20.7 +0.3	G38A	Ridgeland	72.34 340	P	P	15 10 49.7 -0.5
Q49A	Aurora	64.59 342	P	P	15 10 02.8 -0.6	O42A	Bath	67.31 338	P	P	15 10 19.7 -0.7	F40A	Park Falls	72.47 341	P	P	15 10 50.9 -0.1
Q48A	North Vernon	64.77 341	P	P	15 10 04.0 -0.5	QSPA	South Pole Qui	67.40 180	eP	P	15 10 21.4 +0.6	S22A	4UR Ranch, Cre	72.58 325	P	P	15 10 53.1 +0.9
S44A	Carbondale	64.78 338	P	P	15 10 03.8 -0.8	L47A	Sheswood	67.44 343	P	P	15 10 21.6 -0.5	Q24A	Divide	72.65 327	eP	P	15 10 54.2 +1.6
SIUC	Southern Illin	64.79 338	eP	P	15 10 04.0 -0.7	J52A	Paris	67.49 347	P	P	15 10 21.5 +0.1	Q24A	Divide	72.65 327	P	P	15 10 54.0 +1.4
O53A	New Philadelph	64.80 345	P	P	15 10 05.0 +0.2	O41A	Passays Farm,	67.51 338	P	P	15 10 20.9 -0.7	SPMN	Marine on St.	72.70 339	P	P	15 10 52.0 -0.3
N55A	Marion Center	64.82 347	P	P	15 10 05.3 +0.4	MSTX	Muleshoe	67.58 326	eP	P	15 10 22.6 +0.3	F39A	Lorfeida	72.71 340	P	P	15 10 52.3 0.0
O52A	Adamsville	64.83 345	P	P	15 10 05.0 +0.1	U32A	Winter Ranch,	67.63 330	eP	P	15 10 23.0 +0.5	X16A	Lo Mia Camp, P	72.75 320	eP	P	15 10 54.7 +1.6
P50A	Jamestown	64.85 343	P	P	15 10 04.8 -0.3	GGN	Saint George	67.64 358	eP	P	15 10 22.7 +0.5	ECSD	EROS Data Cent	72.76 336	eP	P	15 10 52.3 -0.4
Q47A	Bedord North L	64.98 341	P	P	15 10 05.6 -0.3	N43A	Stutzman Famil	67.68 339	P	P	15 10 22.2 -0.4	ECSD	EROS Data Cent	72.76 336	P	P	15 10 52.2 -0.5
R45A	Skylar, Fairfr	64.99 339	P	P	15 10 04.6 -1.3	AMTX	Amarillo	67.73 327	eP	P	15 10 23.8 +0.6	E40A	Wakefield	72.88 341	P	P	15 10 53.6 +0.3
KSPA	Keystone Colle	64.99 350	eP	P	15 10 06.4 +0.5	LONV	Lake Ozonia	67.82 352	eP	P	15 10 23.9 +0.5	F38A	Pierce - Schro	73.05 340	P	P	15 10 54.0 -0.2
P49A	Miami Univ. Ec	65.03 342	P	P	15 10 05.6 -0.6	LONV	Lake Ozonia	67.82 352	P	P	15 10 24.2 +0.8	D41A	Chassel	73.06 343	P	P	15 10 53.6 -0.7
O51A	Pataskala	65.05 344	P	P	15 10 06.2 -0.1	N42A	Yates City	67.86 339	P	P	15 10 23.1 -0.6	TOA0	Torodi Ar. Sit	73.34 68	eP	P	15 10 53.4 -3.2
T41A	Mountain View	65.12 336	P	P	15 10 06.3 -0.6	I55A	Frankford	67.90 349	P	P	15 10 24.4 +0.6	TOA1	Torodi Ar. Sit	73.34 68	eP	P	15 10 54.2 -2.4
P48A	Milroy	65.17 342	P	P	15 10 06.5 -0.6	FRNY	Flat Rock	67.90 352	eP	P	15 10 24.2 +0.3	TORD	Torodi Ar. Bea	73.34 68	eP	P	15 10 54.2 -2.4
N54A	Moraine State	65.21 346	eP	P	15 10 08.3 +1.0	PKME	Peaks-Kenny Pk	67.92 356	eP	P	15 10 24.3 +0.3	WUAZ	Wupatki	73.48 32			

20d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TORO Torodi Ar. Bea, DIMBOKRO IFA17.21, etc.

NIED 20 15:30:00, 37.10N, 141.20E, h56km, Mw4.0 Best double couple: M1:250000*1015 NP1:22.00000*, B24.00000*, 1.97.00000*, NP2:34.00000*, 866.00000*, 1.87.00000*, ISCJB 20 15:31:13.3, 0.5, 37.08N, 0.03, 141.23E, 0.05, h57km, 3km, mb4.4/38, MS4.6/2, Error ellipse: s-maj=7.3km s-min=4.3km az=83.0

Main table for 20d 16h section, listing station codes (ONAJ, JFK, JFFD, etc.) and their corresponding data.

2012 DEC

Table with columns: LZH, CD2, GDTA, etc. Includes stations like Chengdu, Gaotai, Kunming, etc.

CHGN Chignik 45m, 0.7s, 44.04 44 eP P 15 39 11.2 -5.7 MAZK Makanchi 2.3nm, 1.0s, 44.16 302 eP P 15 39 17.9 -0.2 KURK Kurchatov 3.6nm, 0.6s, 45.77 308 eP P 15 39 30.2 -0.5

Main table for 2012 DEC section, listing station codes (KSH, GSI, INK, etc.) and their corresponding data.

ISCJB 20 15:32:45.0, 0.6, 49.03N, 156.75E, 0.1, h35km, mb3.7/15, Error ellipse: s-maj=14.7km s-min=4.7km az=29.4 KRSC 20 15:32:48.0, 1.4, 49.23N, 156.94E, h6km, 29km, ML4.7 MOS 20 15:32:50.0, 1.5, 49.20N, 155.70E, h7km, mb4.1/7, Error ellipse: s-maj=20.6km s-min=5.3km az=75.5

Main table for 2012 DEC section, listing station codes (SKR, PAU, KDR, etc.) and their corresponding data.

1020

Table with columns: PET, DALK, DALK, etc. Includes stations like Dainy, Uglovaya, Avacha, etc.

H11S1 WAKE ISLAND Hy 31.57 160 T T 16 12 53.5 H11S3 WAKE ISLAND Hy 31.58 160 T T 16 13 06.0 H11S2 WAKE ISLAND Hy 31.59 160 T T 16 13 05.8

Main table for 1020 section, listing station codes (RES, ARCES, ARCES, etc.) and their corresponding data.

MAN 20 15:36:37.7, 6.80N, 126.24E, h65km, mb4.3, ML3.1, MS2.9, 1C, Madanoo

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

IDC 20 16:00:27.3, 2.8, 6.65E, 129.94E, h176km, 39km, mb2.9/1, mb1.2/8.5, mb1mx3.7/6.9, mbtmp3.2/5, Error ellipse: s-maj=71.1km s-min=21.7km az=89.0, Banda Sea

Main table for 1020 section, listing station codes (SIJI, FITZ, WRA, etc.) and their corresponding data.

NIED 20 16:00:00, 29.90N, 142.30E, h5km, Mw4.4 Best double couple: M5:16000*1015 NP1:171.00000*, 811.00000*, 1.101.00000*, NP2:340.00000*, 879.00000*, 1.88.00000*, ISCJB 20 16:00:58.0, 3.0, 29.83N, 142.14E, 0.1, h26km, mb4.0/10, MS3.3/2, Error ellipse: s-maj=15.7km s-min=4.1km az=166.6

JMA 20 16:00:59.0, 0.2, 29.90N, 142.30E, h44km, M3.9 IDC 20 16:01:03.7, 2.6, 29.78N, 142.18E, h54km, 24km, mb3.6/11, mb3.3/9.1, mb1mx3.7/3.8, mbtmp3.9/14, ML3.5/3, MS3.3/6, Ms1.3/4.6, ms1mx3.0/3.7, Error ellipse: s-maj=27.3km s-min=14.7km az=79.0

ISC 20 16:00:59.0, 0.5, 29.81N, 142.30E, 0.1, h26km, m29, e202/34, mb4.1/10, Southeast of Honshu

Main table for 1020 section, listing station codes (Code, Station Name, Az, Az', Phase ID, Time, Res) for various stations.

20d 18h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BUKP, BIPH, CGP, etc.

SIK 20 17:32:54.9-0.7, 42:32N-0:04-20:09E, 0.04, h6km, 10km, ML2.8, Error ellipse: s-maj=12.3km s-min=10.6km az=141.0

TIR 20 17:32:54.1, 42:34N-20:14E, h5km, Md3.1/10 PDG 20 17:32:55.0-0.2, 42:32N-20:10E, h12km, MD2.9/1, ML2.8/10, Error ellipse: s-maj=0.3km s-min=0.4km az=0.0

SAR 20 17:32:55.9-0.7, 42:25N-20:09E, h6km, 3km, ML2.8/1 THE 20 17:32:56.2, 42:31N-20:30E, h0km, 6km, ML2.4/3, Error ellipse: s-maj=0.9km s-min=1.4km az=336.0

BEO 20 17:32:56.8-0.5, 42:36N-20:07E, h8km, 3km, ML2.5/9 SKO 20 17:32:56.1, 42:35N-20:11E, h7km, 10km, Error ellipse: s-maj=0.9km s-min=1.4km az=336.0

ISC 20 17:32:55.6-0.9, 42:31N-0:01-20:11E, 0.01, h6km, 7km, n80, 157/134, 20C-13D, Northwestern Balkan Peninsula

Main station list table for 20d 18h with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BCI, PUK, PVY, etc.

2012 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BLY, BLS, BZY, etc.

SJA 20 17:42:58.4-0.8, 33:76S-73:12W, h40km, 999km, ML3.7, MW3.8

GUC 20 17:43:07.5-0.7, 33:75S-72:05W, h25km, 22km, ML3.4

ISC 20 17:43:01.7-2.5, 33:62S-0:08-72:3W-0.1, h13km, 12km, n12, 1908/19, 1C-4D, Off coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ROCH, GO05, PEL, etc.

ISCJCB 20 17:49:07.8-0.8, 38:62N-0:05-43:19E-0:06, h29km, 7km, Error ellipse: s-maj=9.5km s-min=6.3km az=147.4

ISK 20 17:49:07.5, 38:67N-43:14E, h13km, 3km, ML2.1/2

DDA 20 17:49:08.7, 38:66N-43:16E, h7km, ML2.6

ISC 20 17:49:07.9-2.0, 38:64N-0:05-43:18E-0:05, h25km, 18km, n8, 054/15, Turkey

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

GUC 20 18:02:23.6-0.8, 22:55S-70:22W, h66km, 4km, ML3.5, 3C-4D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PB04, PB05, PB06, etc.

MAN 20 18:18:58.1, 6:93N-125:68E, h30km, mb4.4, ML3.2, MS2.9, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MATI, BUKP, SKMP, etc.

ISCJCB 20 18:22:03.4-0.9, 0:5N-0:1x126:25E-0:07, h10km, mb3.5/3, Error ellipse: s-maj=17.9km s-min=9.6km az=0.0

DJA 20 18:22:04.4-0.4, 0:1N-6:12'E, h10km, M3.87, ML3.8/7

ISC 20 18:22:04.2-1.2, 0:5N-0:1x126:29E-0:09, h10km, n9, 099/9, mb3.5/3, Northern Molucca Sea

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

1022

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TNTI, KMSI, SANI, etc.

ISC 20 18:29:02.1-1.3, 5:50S-146:80E, h143km, 12km, mb3.7/10, m1 3.9/1.4, m1mx3.7/3.5, mbtmp3.2/1.4, MS3.2/1, M3.1 3.2/1, m1mx2.4/3.3, Error ellipse: s-maj=17.9km s-min=9.1km az=98.0

ISC 20 18:29:00.5-0.8, 5:39S-0:07-146:7E-0:2, h123km, n17, 1542/17, mb3.9/10, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PMG, JAY, CTA, etc.

ISC 20 18:36:08.9-2.2, 0:217N-143:21E, h271km, 223km, mb3.0/6, m1 3.2/6, m1mx2.8/4.0, mbtmp3.6/6, MS2.5/1, M3.1 2.2/1, m1mx2.1/1.5, Error ellipse: s-maj=43.3km s-min=36.5km az=87.0, Mariana Islands region

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

MAN 20 18:39:35.4, 7:69N-125:14E, h139km, mb4.4, ML3.3, MS3.1, D, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BUKP, DMPH, SKMP, etc.

ISC 20 18:47:14.5-2.2, 30:87N-51:45E, h0km, mb3.7/5, m1 3.7/6, m1mx3.4/3.8, mbtmp3.7/6, ML3.0/1, MS3.2/1, M3.1 3.2/1, m1mx2.5/4.6, Error ellipse: s-maj=50.7km s-min=25.5km az=161.0

TEH 20 18:47:15.2, 30:86N-51:54E, h5km, ML3.3

ISC 20 18:47:14.9-1.5, 30:38N-0:03-51:48E-0:04, h0km, 11km, n3, 1552/37, mb3.8/5, Northern and central Iran

Main station list table for 1022 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KLNJ, IKAZ, IRAM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IKOM Komasi, IRAZ Razeghan, DMV Damavand, etc.

ARO 20 18:48:51.2, 16°N,32°42'E, 10.1h15km,99km, M3.4

ISC 20 18:48:57.2, 3.5, 15.4N,0.2,42.1E,0.1, h10km, n9,

az=152.12, Western Arabian Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TRBA At Turbah, MABO Malaho, etc.

ISC 20 19:00:07.2, 1.3, 0.45N, 126°10'E, h0km, mb4.3/4

mb1 4.1/5, mb1mx3.8/37, mbtmp4.2/5, ML3.6/1, MS3.1/2,

MS1 3.0/2, ms1mx2.6/39, Error ellipse: s-maj=55.0km

s-min=21.2km az=60.0

DJA 20 19:00:11.2, 0.3, 1°46'x12°16'E, h10km, M3.97, mb3.7/1,

MLV3.9/7

ISCJB 20 19:00:12.7, 0.6, 0.16N,0.09x126°39E,0.04, h44km,

mb4.3/4, MS3.1/2, Error ellipse: s-maj=12.7km

s-min=5.2km az=177.4

ISC 20 19:00:13.5, 1.0, 0.58N,0.10x126°40E,0.05, h44km, n14,

az=190/16, mb4.3/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TINTI Ternate, KMSI Cibinong, etc.

ISC 20 19:20:33.4, 2.6, 17.21Sx173.86W, h0km, mb3.8/5,

mb1 4.1/5, mb1mx3.7/45, mbtmp3.8/5, MS4.0/1, MS1 4.0/1,

ms1mx2.7/39, Error ellipse: s-maj=140.9km

s-min=26.1km az=144.0, Tonga Islands

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

ISC 20 19:21:45.1, 4.6, 16.33Sx67.17E, h0km, mb3.7/5,

mb1 3.9/5, mb1mx3.5/49, mbtmp3.7/5, Error ellipse:

s-maj=134.4km s-min=32.6km az=61.0, Mid-Indian Ridge

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

ISC 20 19:26:20.2, 1.4, 5.36Sx153.08E, h0km, mb3.8/9,

mb1 3.9/10, mb1mx3.7/44, mbtmp3.8/10, ML1.7/1, MS3.2/2,

MS1 3.2/2, ms1mx2.6/32, Error ellipse: s-maj=46.1km

s-min=17.6km az=118.0

ISCJB 20 19:26:24.3, 1.0, 5.35S, 1°15'29.0E, h37km, mb3.7/9,

MS3.6/1, Error ellipse: s-maj=31.4km s-min=10.1km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, HNR Honiara, WRA Warramunga Arr, etc.

ISCJB 20 19:31:28.0, 0.2, 38°52'S, 0°03'176°11'E, 0.04, h117km, 2km,

mb4.3/7, Error ellipse: s-maj=5.2km s-min=4.6km

az=33.3

NEIC 20 19:31:27.3, 0.4, 38°83'S, 176°23'E, h118km, 4km, mb4.5/7,

Error ellipse: s-maj=9.8km s-min=6.0km az=117.0

ISC 20 19:31:28.2, 0.5, 38°29'S, 176°28'E, h121km, 5km, mb3.9/11,

mb1 4.1/11, mb1mx4.0/28, mbtmp4.3/11, MS3.4/3,

MS1 3.4/3, ms1mx3.0/26, Error ellipse: s-maj=18.9km

s-min=12.0km az=33.0

WEL 20 19:31:28.5, 38°55'0.9, 17°6'E, h112km, 2km

ISC 20 19:31:28.5, 0.6, 36.55S, 0°04'176°09'E, 0.04, h119km, 4km,

az=145.1, MS3.1/2, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WPRZ Whakapapatarin, WHZT Whakaoara, etc.

ISC 20 19:38:39.1, 0.5, 20°75'S, 174°03'W, h0km, mb4.6/22,

mb1 4.7/23, mb1mx4.6/43, mbtmp4.5/23, ML4.2/1, MS4.0/11,

MS1 4.0/11, ms1mx3.6/33, Error ellipse: s-maj=18.8km

s-min=13.5km az=136.0

ISCJB 20 19:38:41.1, 0.2, 20°77'S, 174°09'W, 0.05, h26km,

mb4.9/77, MS3.9/1, Error ellipse: s-maj=9.2km

s-min=5.2km az=148.9

BUI 20 19:38:44.6, 6.0, 26°55'S, 173°65'W, h48km, mb5.0/21, mb5.4/6,

MS5.2/4, MS7.4/93

NEIC 20 19:38:45.8, 2.1, 20°77'S, 174°07'W, h44km, 18km, mb5.0/52,

Error ellipse: s-maj=9.3km s-min=6.0km az=152.0

MOS 20 19:38:55.4, 1.4, 19.74Sx175°70'W, h59km, mb5.0/13,

Error ellipse: s-maj=17.7km s-min=12.1km az=25.5

ISC 20 19:38:43.0, 4.0, 20°77'S, 173°98'W, 0.08, h26km,

n297, s1904/295, mb4.9/75, 31C-7D, Tonga Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ODZ Otaua Downs, WKZ Wanaka, MLZ Mavora Lakes, etc.

ISC 20 19:38:39.1, 0.5, 20°75'S, 174°03'W, h0km, mb4.6/22,

mb1 4.7/23, mb1mx4.6/43, mbtmp4.5/23, ML4.2/1, MS4.0/11,

MS1 4.0/11, ms1mx3.6/33, Error ellipse: s-maj=18.8km

s-min=13.5km az=136.0

ISCJB 20 19:38:41.1, 0.2, 20°77'S, 174°09'W, 0.05, h26km,

mb4.9/77, MS3.9/1, Error ellipse: s-maj=9.2km

s-min=5.2km az=148.9

BUI 20 19:38:44.6, 6.0, 26°55'S, 173°65'W, h48km, mb5.0/21, mb5.4/6,

MS5.2/4, MS7.4/93

NEIC 20 19:38:45.8, 2.1, 20°77'S, 174°07'W, h44km, 18km, mb5.0/52,

Error ellipse: s-maj=9.3km s-min=6.0km az=152.0

MOS 20 19:38:55.4, 1.4, 19.74Sx175°70'W, h59km, mb5.0/13,

Error ellipse: s-maj=17.7km s-min=12.1km az=25.5

ISC 20 19:38:43.0, 4.0, 20°77'S, 173°98'W, 0.08, h26km,

n297, s1904/295, mb4.9/75, 31C-7D, Tonga Islands

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

20d 19h

STKA	comp=Z,8.3nm,1.6s	41.08 245	eP	P	19 46 25.3 +0.2
COEN	comp=Z,3.0nm,0.6s	41.36 272	eP	P	19 46 27.2 -0.5
COEN	comp=Z,17nm,0.8s				
JAY	Jayapura	47.72 286	P	P	19 47 17.2 -1.3
AS01	Alice Springs	48.02 256	eP	P	19 47 19.2 -2.0
AS31	Alice Springs	48.12 256	eP	P	19 47 19.9 -1.6
ASAR	Alice Springs	48.12 256	P	P	19 47 19.9 -1.7
ASAR	comp=Z,7.9nm,0.8s,baz=100,slow=7.3,SNR=7.5				
ASAR	comp=Z,3.4nm,0.9s,baz=103,slow=3.3,SNR=6.6	20 06 39.2			
WB2	Warramunga Arr	48.28 261	eP	P	19 47 20.5 -2.3
WRAB	Tennant Creek	48.28 261	eP	P	19 47 21.0 -1.8
WRAB	Tennant Creek	48.28 261	eP	P	19 47 20.5 -2.3
WRAB	comp=Z,9.0nm,1.0s				
WR1	Warramunga Arr	48.29 261	eP	P	19 47 20.6 -2.3
WR1	Warramunga Arr	48.29 261	eP	P	19 48 49.9 +0.3
WR1	comp=Z,4.8nm,0.9s,baz=96,slow=5.7,SNR=5.6				
WRA	comp=Z,2.5nm,0.6s,baz=94,slow=3.5,SNR=6.8	19 48 49.9 +0.3			
FORT	Forrest	52.65 247	eP	P	19 47 54.5 -1.2
SAUI	Saumlaki	54.27 275	eP	P	19 48 08.0 +0.2
FITZ	Fitzroy Crossi	56.72 262	LR	LR	20 12 24.5
FITZ	Fitzroy Crossi	56.72 262	eP	P	19 48 24.4 -0.9
SBA	Scott Base	57.88 185	eP	P	19 48 35.2 +2.6
VNDA	Vanda	58.00 186	P	P	19 48 34.2 +0.8
VNDA	Vanda	58.00 186	eP	P	19 48 35.1 +1.6
SOEI	Soe	60.27 270	eP	P	19 48 50.9 +0.5
BATI	Baumata	60.70 270	LR	LR	20 16 20.0
TNTI	Ternate	61.19 283	eP	P	19 48 56.2 -0.2
MWB	Marble Bar	61.46 257	eP	P	19 48 57.0 -1.2
DAV	Davaco City (W)	65.48 288	LR	LR	20 14 32.9
QSPA	South Lake Qui	69.30 181	eP	P	19 49 09.1 +0.8
MJAO	Matsu Arr-Jizo	70.70 320	eP	P	19 50 09.1 -0.1
MJAO	comp=Z,4.0nm,0.6s				
MJAO	Matsushiro Arr	72.72 321	P	P	19 50 09.2 -0.2
MAJ	Matsushiro	72.72 321	eP	P	19 50 09.2 -0.2
MAJO	Matsushiro	72.72 321	eP	P	19 50 07.8 -1.5
MAJO	comp=Z,2.3nm,1.8s				
ERM	Erimo	73.98 328	eP	P	19 50 14.8 -1.8
ERM	comp=Z,7.2nm,1.1s				
MONP2	Monument Peak	76.59 47	P	P	19 50 31.7 -0.5
IKP	In-Ko-Pah, Jac	76.67 47	P	P	19 50 33.3 +0.9
EDW	Edwards Air Fo	76.72 44	P	P	19 50 32.2 -0.4
ISA	Isabella, Lake	76.88 44	eP	P	19 50 33.2 -0.3
ISA	Isabella, Lake	76.88 44	P	P	19 50 33.3 -0.3
PFO	Pinyon Flats O	76.99 46	P	P	19 50 34.6 +0.3
CMB	Columbia Colle	77.16 41	eP	P	19 50 34.9 -0.1
CMB	Columbia Colle	77.16 41	eP	P	19 50 34.9 -0.1
KSM	Kuching	77.19 277	eP	P	19 50 36.1 +0.5
LRMC	Laurel Mtn Rad	77.29 44	P	P	19 50 35.5 -0.4
BELC	Belle Mtn. Jos	77.53 46	P	P	19 50 37.4 +0.1
PETK	Petrovlovsk-C	77.57 343	P	P	19 50 36.3 -0.6
PEA1	Petrovlovsk-C	77.57 343	eP	P	19 50 36.3 -0.6
CWC	Cottonwood Cre	77.61 43	P	P	19 50 37.9 +0.2
BC3	Big Chickawall	77.70 47	P	P	19 50 38.6 +0.4
MPMC	Manual Prospec	77.76 44	P	P	19 50 38.4 -0.2
GLA	Glamis	77.78 48	P	P	19 50 39.5 +0.9
HEC	Hector,Ludlow	77.79 45	P	P	19 50 39.0 +0.4
YSS	Yuzh-Sakhalins	77.89 331	eP	P	19 50 39.6 +0.9
IRM	Iron Mountain	78.20 46	P	P	19 50 41.3 +0.4
GRAC	Grapevine Rang	78.40 43	P	P	19 50 42.7 +0.8
YERR	Yerington	78.45 41	eP	P	19 50 42.6 +0.2
NV01	Mina Array Sit	78.69 41	eP	P	19 50 43.6 -0.1
NVAR	Mina Array Bea	78.69 41	eP	P	19 50 43.9 +0.2
NV11	Mina Array Sit	78.76 41	eP	P	19 50 44.5 +0.4
TPNV	Topopah Spring	79.09 44	P	P	19 50 46.2 +0.3
SHPR	Sheep Range	79.54 45	eP	P	19 50 48.6 +0.3
KSRS	Korea Array	79.63 317	P	P	19 50 48.9 +0.3
KSRS	Korea Array	79.63 317	eP	P	19 50 49.9 +1.3
KSRS	comp=Z,2.0nm,0.9s				
KSAR	Wonju Array B	79.65 317	P	P	19 50 48.9 +0.2
KSAR	Wonju Array B	79.65 317	eP	P	19 50 48.9 +0.2
KS01	Wonju Array B	79.66 317	eP	P	19 50 49.5 +0.8
TUC	Tucson	80.22 50	P	P	19 50 52.5 +0.5
X16A	Lo Mia Camp, P	80.89 48	eP	P	19 50 56.6 +0.9
USRK	Ussuriysk Ar	81.36 324	P	P	19 50 58.7 +1.0
U15A	North Rim	81.40 46	eP	P	19 50 59.4 +0.9
WUAZ	Wupatki	81.53 47	P	P	19 50 60.0 +0.9
ELKO	Elko	81.97 41	P	P	19 51 00.6 -0.7
MTPU	Mount Pierson	82.36 45	eP	P	19 51 05.4 +1.8
MAW	Mawson	82.55 199	P	P	19 51 03.8 +0.1
MAW	Mawson	82.55 199	eP	P	19 51 04.5 +0.8
MAW	Mawson	82.55 199	eP	P	19 51 04.5 +0.8
MAW	comp=Z,5.0nm,1.5s				
MSU	Marysvalde	82.63 44	eP	P	19 51 06.1 +1.3
MSU	Marysvalde	82.63 44	eP	P	19 51 06.1 +1.3
TMUT	Trail Mountain	83.69 44	eP	P	19 51 11.5 +1.0
MNTX	Cornudas Mount	83.87 53	eP	P	19 51 11.2 +0.1
MNTX	Cornudas Mount	83.87 53	P	P	19 51 10.6 -0.6
F10A	Beach Ranch, E	83.97 36	eP	P	19 51 11.0 -0.4
SRU	San Rafael Swe	84.04 44	eP	P	19 51 12.5 +0.4
LTX	Lajitas	84.06 56	eP	P	19 51 11.9 -0.4
LTX	Lajitas	84.06 56	eP	P	19 51 11.9 -0.4
TX31	Lajitas Ar. Si	84.06 56	eP	P	19 51 11.9 -0.4
TXAR	Lajitas Array	84.06 56	P	P	19 51 11.9 -0.4
TXAR	comp=Z,1.7nm,1.1s,baz=230,slow=5.7,SNR=7.1				

HVU	comp=Z,1.06nm,18.0s,baz=0.0,slow=33	84.08 41	eP	P	19 51 12.3 +0.1
HVU	Hansel Valley	84.08 41	eP	P	19 51 12.3 +0.1
HVU	Hansel Valley	84.08 41	eP	P	19 51 12.3 +0.1
P17A	Butcher Ranch	84.09 44	eP	P	19 51 13.2 +0.9
HLID	Hailey	84.12 39	eP	P	19 51 12.8 +0.5
HLID	Hailey	84.12 39	eP	P	19 51 12.8 +0.5
TCUT	Toone Canyon	84.56 42	eP	P	19 51 15.2 +0.5
ANMO	Albuquerque	84.67 50	eP	P	19 51 15.7 +0.3
ANMO	Albuquerque	84.67 50	eP	P	19 51 15.8 +0.5
ANMO	Albuquerque	84.67 50	eP	P	19 51 15.8 +0.5
ANMO	comp=Z,1.0nm,1.1s				
ANMO	Albuquerque	84.67 50	eP	P	19 51 15.8 +0.5
S22A	4UR Ranch, Cre	85.81 47	eP	P	19 51 21.1 +1.1
S22A	4UR Ranch, Cre	85.81 47	P	P	19 51 21.9 +0.8
TRF	Theodore Moun	85.98 10	eP	P	19 51 20.6 -0.5
REDW	Red Top Meadow	86.14 41	eP	P	19 51 22.4 -0.2
DHY	Denali Highway	86.16 12	eP	P	19 51 22.9 +0.9
MCK	McKinley	86.18 11	eP	P	19 51 23.0 -0.4
MCK	McKinley	86.18 11	eP	P	19 51 23.0 -0.4
MCK	comp=Z,2.0nm,0.9s				
MCK	Boulder Array	86.62 42	P	P	19 51 24.0 -0.9
PD31	Pinedale Array	86.62 42	eP	P	19 51 24.2 -0.7
PDAR	Pinedale Array	86.62 42	eP	P	19 51 24.1 -0.8
PDAR	Pinedale Array	86.62 42	eP	P	19 51 23.7 -1.2
MSTX	Muleshoe	86.88 52	P	P	19 51 26.0 -0.3
IPM	Iloh	86.91 276	eP	P	19 51 26.2 -0.5
SYO	Syowa Base	87.25 192	eP	P	19 51 26.0 -1.3
DOT	Dot Lake	87.34 13	P	P	19 51 26.5 -1.1
HDA	Harding Lake	87.45 11	P	P	19 51 28.1 0.0
SEY	Seymchan	87.55 345	eP	P	19 51 27.7 -0.9
VNA3	Neumayer Olymp	87.59 177	P	P	19 51 28.6 -0.3
SNA4	Sanae	87.59 177	eP	P	19 51 28.8 -0.3
SNA4	Sanae	87.59 177	eP	P	19 51 28.8 -0.3
SCRK	Sand Creek	87.65 13	eP	P	19 51 29.4 +0.2
IM3	Indian Mountai	87.84 8	eP	P	19 51 29.8 -0.1
POKR	Poker Plat Res	88.01 11	P	P	19 51 30.6 -0.2
VNA2	Neumayer-Watz	88.07 176	P	P	19 51 31.1 -0.1
VNA1	Neumayer-Stat	88.27 175	P	P	19 51 31.8 -0.3
PSI	Prapat	88.27 274	eP	P	19 51 33.3 -0.1
PSI	Prapat	88.27 274	eP	P	19 51 33.3 -0.1
PSI	comp=Z,1.2nm,1.0s				
DAWY	Dawson	88.73 14	eP	P	19 51 34.9 +0.6
EGAK	Eagle	88.95 13	eP	P	19 51 35.3 +0.1
GSI	Gunungsitoli	89.01 272	eP	P	19 51 38.4 +1.7
BILL	Bilibino	89.74 353	iP	P	19 51 35.2 -3.6
BILL	comp=Z,3.0nm,1.1s				
ZEA	Zeya	89.74 329	eP	P	19 51 39.9 +0.7
ZEA	comp=Z,2.1nm,1.2s				
RSSD	Black Hills	90.77 43	P	P	19 51 43.9 -0.7
EPYK	Eagle Plains	91.29 14	eP	P	19 51 45.9 -0.3
EPYK	Eagle Plains	91.29 14	P	P	19 51 46.3 +0.2
XAN	Xi'an	91.32 306	P	P	19 51 48.3 +1.2
XAN	comp=Z,4.0nm,0.9s				
XAN	Xi'an	91.32 306	P	P	19 51 48.3 +1.2
XAN	Xi'an	91.32 306	P	P	19 51 48.3 +1.2
XAN	Xi'an	91.32 306	P	P	19 51 48.3 +1.2
HHC	Hu-ho-hao-te	92.27 313	eP	P	19 51 53.0 +2.1
HHC	comp=Z,1.30nm,4.9s				
HHC	Hu-ho-hao-te	92.27 313	eP	P	19 51 53.0 +2.1
HHC	comp=Z,54nm,1.4s				
DGMT	Dagmar	92.75 39	eP	P	19 51 53.9 +0.6
DGMT	Dagmar	92.75 39	P	P	19 51 53.4 +0.1
KMI	Kunming	92.85 296	P	P	19 51 56.3 +1.7
KMI	comp=Z,8.0nm,1.4s				
KMI	Kunming	92.85 296	P	P	19 51 56.3 +1.7
INK	Inuvik	93.59 14	P	P	19 51 55.8 -0.8
INK	comp=Z,2.7nm,0.9s,baz=200,slow=6.3,SNR=5.6				
INK	Inuvik	93.59 14	P	P	19 51 55.8 -0.8
INK	Inuvik	93.59 14	P	P	19 51 55.8 -0.8
INK	Inuvik	93.59 14	P	P	19 51 55.8 -0.8
CM01	Chiung Mai Arr	93.74 288	eP	P	19 51 59.7 +1.1
CMAR	Chiung Mai Arr	93.74 288	eP	P	19 52 00.0 +1.3
CMAR	comp=Z,3.3nm,1.0s,baz=109,slow=3.3,SNR=1.6				
CHTO	Chiung Mai	93.89 289	eP	P	19 52 00.7 +1.4
CHTO	Chiung Mai	93.89 289	eP	P	19 52 00.7 +1.4
CHTO	comp=Z,3.0nm,0.8s				
CHTO	Chiung Mai	93.89 289	P	P	19 52 01.5 +2.2
CD2	Chengdu	94.13 301	P	P	19 51 59.8 -0.4
CD2	comp=Z,2.0nm,0.6s				
YKA	Yellowknife Ar	95.22 24	P	P	19 52 03.7 -0.5
YKBS	Yellowknife Ar	95.22 24	P	P	19 52 03.2 -1.0
LZH	Lanzhou	95.95 306	eP	P	19 52 08.3 -0.2
LZH	comp=Z,2.0nm,				

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VISS, BOJANSI, SONSECA Array, etc.

ANF 20 19:46:06.3.0.8, 31.76N, 115.00W, h1km, 4km, ML3.1/6, Error ellipse: s-maj=6.7km s-min=3.3km az=16.0

MEX 20 19:46:11.4.0.5, 31.76N, 114.98W, h62km, 103km, MD3.8 Error ellipse: s-maj=5.6km s-min=4.1km az=37.0

ISC 20 19:46:08.3.1.5, 31.80N, 115.03W, h10km, MD3.1, ML3.3

Main station list for 1025, including Cerro Prieto, San Pedro Mart, Mohawk Valley, etc.

IDC 20 19:50:22.1.5.7, 14.57S, 175.11W, h0km, mb3.7/3, mb1 4.0/3, mb1mx3.6/35, mbtmp3.7/3, MS3.7/2, Ms1 3.7/2, ms1mx3.0/27, Error ellipse: s-maj=325.3km s-min=37.6km az=145.0, Samoa Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Raoul Island, DZM, HNR, etc.

IDC 20 19:52:33.0.0.2, 24.64N, 122.122W, MS3.2/B, mb1 3.4/9, mb1mx3.2/42, mbtmp3.7/9, MS3.0/1, Ms1 3.2/1, ms1mx2.4/19, Error ellipse: s-maj=31.7km s-min=16.3km az=68.0

JMA 20 19:52:33.0.0.2, 24.54N, 122.57E, h103km, 1km, M3.7

TAP 20 19:52:33.6.24.60N, 122.61E, h105km, ML4.3, C

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YONG, YJNG, YONAGUNI jima, etc.

2012 DEC

Main station list for 2012 DEC, including Santiao Chiao, WTWB, TWC, NTC, etc.

20d 19h

Main station list for 20d 19h, including LIOB, NSTT, NSTT, etc.

20d 21h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ECL, CHN8, CHN8, JOGS, JOGS, SSD, SSD, TWM1, MASBT, MASBT, SGLT, SGLT, PTTC, PTTC, LAY, LAY, EAST, EAST, MATB, MATB, SCZT, SCZT, VVUC, VVUC, VVUC, VVUC, PNG, PNG, PHUB, PHUB, PHUB, PHUB, WDGJ, WDGJ, WDGJ, WDGJ, HEN, HEN, HEN, HEN, TWKBT, TWKBT, TWK1, TWK1, XPSS, XPSS, PTMZ, PTMZ, LYJJ, LYJJ, VCHM, VCHM, VCHM, VCHM, MHZO, MHZO, KNM, KNM, KNM, KNM, KNMB, KNMB, AXDP, AXDP, AXDP, AXDP, ZPLA, ZPLA, ZPLA, ZPLA, ZJZH, ZJZH, JOW, JOW, JOW, JOW, KSRs, KSRs, USRK, USRK, CMAR, CMAR, SONM, SONM, MKAR, MKAR, MKAR, MKAR, WRA, WRA, ASAR, ASAR, FINES, FINES, YKA, YKA.

MEX 20 19:59:40.0±0.5, 18°21'N×101.65°W, h52km±18km, MD3.8, Guerrero. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ZIIG, ZIIG, ARIG, ARIG, MMIG, MMIG, CAIG, CAIG.

IDC 20 20:04:30.5±2.1, 1.843°S×125.97E, h0km, mb3.0/2, mb1.3/2.3, mb1mx3.1/3.5, mbtmp3.0/3, ML3.0/1, MS3.2/1, MS1.3/2.1, ms1mx2.7/3.1, Error ellipse: s-maj=174.3km s-min=28.7km az=64.0, Southern Molouca Sea. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA, WRA, ASAR, ASAR, JOW, JOW, MKAR, MKAR.

NORS 20 20:31:10.8±0.0, 42°30'N×46.98E, h3km. DRS 20 20:31:10.8±0.0, 43°01'N×47.06E, h8km. MOS 20 20:31:11.5±0.0, 42°39'N×46.98E, h5km, MPVA3.5, Eastern Caucasus. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KRNR, KRNR, DBC, DBC, DBC, DBC, BUJR, BUJR.

2012 DEC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BUJR, UNCR, UNCR, DLMR, Dylm, ARKR, Arakani, XNZR, Khunzakh, XNZR, XNZR, Botlikh, Botlikh, Veden, Veden, KMKR, KMKR, URKR, URKR, URKR, URKR, DRN, DRN, KMG, KMG, AKT, AKT, BTKR, BTKR, LACR, LACR, KORR, KORR, KORR, STDR, STDR, Tsey, Tsey, ZEI, ZEI, LSNR, LSNR, DIGR, DIGR, NEY, NEY.

ISCJB 20 20:38:06.6±0.5, 6.84N×0.02°73.17W, h156km±4km, mb3.6/2, Error ellipse: s-maj=5.8km s-min=3.8km az=14.2. IDC 20 20:38:07.1±3.9, 6.54N×72.78W, h176km±27km, mb3.3/2, mb1.3/5.3, mb1mx3.1/23, mbtmp3.9/3, Error ellipse: s-maj=87.4km s-min=29.6km az=104.0. RSNC 20 20:38:08.1±1.4, 6.81N×73.17W, h148km±4km, ML3.8, M3.9.

ISC 20 20:38:09.0±9.0, 6.83N×0.03°73.16W, 0.04, h154km±5km, n40, c0.85/61, 3C-2D, Northern Colombia. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BARC, BARC, BARC, GIRC, GIRC, BRRR, BRRR, PAMC, PAMC, RUSC, RUSC, PUERTO BERRIO, PUERTO BERRIO, TAME, TAME, OCAC, OCAC, ZARCO, ZARCO, CTAU, CTAU, NORC, NORC, SMLC, SMLC, CHIC, CHIC, ROSC, ROSC, HELC, HELC, UREC, UREC, VILC, VILC, RREF, RREF, TOLC, TOLC, SJCC, SJCC.

IDC 20 21:02:34.1±5.4, 5.75S×151.49E, h48km±46km, mb3.6/4, mb1.3/9.5, mb1mx3.4/33, mbtmp3.9/5, ML1.8/1, MS3.2/1, MS1.3/2.1, ms1mx2.5/2.3, Error ellipse: s-maj=100.0km s-min=31.7km az=130.0. IDC 20 21:02:35.2±2.3, 5.75S×151.4E±0.8, h57km±n7, c1910/17, mb3.7/4, New Britain region. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PMG, PMG, WRA, WRA, DZM, DZM, ASAR, ASAR, FITZ, FITZ, ILAR, ILAR, TORD, TORD.

MAN 20 21:06:15.0±6.62N×126.11E, h33km, mb4.4, ML3.3, MS3.1, 2C, Mindanao. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MATI, MATI, DMPH, DMPH, GSPH, GSPH, SKMP, SKMP, BUKP, BUKP, CTBH, CTBH.

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ASAR Alice Springs 149.09 234 PKPbc PKPdf 20 57 34.4 ±0.6 comp=N,0.2nm,0.6s,baz=126,slow=4.7,SNR=2.3. WRA Warramunga Arr 150.31 241 PKPbc PKPbc 20 57 39.6 ±1.3 comp=N,0.1nm,0.4s,baz=108,slow=2.8,SNR=6.0

MAN 20 20:42:33.2, 6°82'N×123°98E, h35km, mb3.8, ML2.5, MS2.0, 1D, Mindanao. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CTBH, CTBH, SKMP, SKMP, PAGZ, PAGZ, PAGZ.

IDC 20 20:42:35.6±1.6, 36°50'N×97°44E, h0km, mb3.8/3, mb1.3/7.7, mb1mx3.4/39, mbtmp3.6/7, ML3.1/4, Error ellipse: s-maj=62.7km s-min=26.7km az=56.0, Gingham. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SOFM, SOFM, MKAR, MKAR, ZALV, ZALV, KURBS, KURBS, FINES, FINES, ARCES, ARCES, WRA, WRA.

RSNC 20 20:58:37.9±1.4, 6.84N×73.17W, h148km±5km, ML2.9, MW3.5, 1C-1D, Northern Colombia. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GIRC, GIRC, GIRC, BARC, BARC, BARRC, BARRC, PAMC, PAMC, RUSC, RUSC, PUERTO BERRIO, PUERTO BERRIO, TAME, TAME, OCAC, OCAC, ZARCO, ZARCO, CTAU, CTAU, NORC, NORC, SMLC, SMLC, CHIC, CHIC, ROSC, ROSC, HELC, HELC, RREF, RREF, CODC, CODC, TOLC, TOLC, MOTC, MOTC, SDV, SDV, ANIL, ANIL, SJCC, SJCC.

IDC 20 21:02:34.1±5.4, 5.75S×151.49E, h48km±46km, mb3.6/4, mb1.3/9.5, mb1mx3.4/33, mbtmp3.9/5, ML1.8/1, MS3.2/1, MS1.3/2.1, ms1mx2.5/2.3, Error ellipse: s-maj=100.0km s-min=31.7km az=130.0. IDC 20 21:02:35.2±2.3, 5.75S×151.4E±0.8, h57km±n7, c1910/17, mb3.7/4, New Britain region. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PMG, PMG, WRA, WRA, DZM, DZM, ASAR, ASAR, FITZ, FITZ, ILAR, ILAR, TORD, TORD.

MAN 20 21:06:15.0±6.62N×126.11E, h33km, mb4.4, ML3.3, MS3.1, 2C, Mindanao. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MATI, MATI, DMPH, DMPH, GSPH, GSPH, SKMP, SKMP, BUKP, BUKP, CTBH, CTBH.

IDC 20 21:09:49.0±1.7, 7°1'S×147°43E, h0km, mb3.4/3, mb1.3/7.4, mb1mx3.4/29, mbtmp3.5/4, ML2.9/1, Error ellipse: s-maj=66.6km s-min=21.4km az=100.0. IDC 20 21:09:54.5±1.3, 7°69'S×147°2E±0.2, h33km, mb3.5/2, Error ellipse: s-maj=33.0km s-min=12.0km az=179.5. IDC 20 21:09:54.5±1.3, 7°75'S×147°4E±0.3, h35km, n6, c1946/7, Eastern New Guinea region. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PMG, PMG, WRA, WRA.

TYV	Tymovskoe	52.05	13	eP	P	21 56 38.0 +1.3	MKAR			22 34 38.5	KURK	comp=Z,372nm,19.0s	MLR	MLR							
TYV				eS	S	22 04 02.7 +5.2	MKAR	Makanchi Array	59.92	327	eP	P	21 57 32.0 -1.2								
TYV				pmax	pmax		MKAR					21 58 19.6	NVS	Novosibirsk	64.51	334	iP	P	21 58 03.1 -0.6		
TYV	comp=Z,48nm,1.2s												NVS				eS	S	22 06 34.7 -5.1		
TYV	comp=Z,400nm,5.2s				pmax	pmax							NVS				e		22 07 49.3		
TYV	comp=N,600nm,5.2s				smax	smax							NVS	comp=Z,60nm,0.8s			pmax	pmax			
CIT	Chita	52.41	350	eP	P	21 56 41.0 +1.5	KSH	comp=Z,492nm,0.8s	59.99	317	P	P	21 57 34.3 +0.4	NVS	comp=N,25nm,0.8s			pmax	pmax		
CIT				e		21 56 51.7	KSH					21 57 45.3 -0.7	NVS				smax	smax			
CIT				pmax	pmax		KSH	comp=Z,33nm,1.0s				22 06 04.5 +0.8	NVS	comp=N,16nm,0.7s							
BHPL	Bhopal	52.47	299	eP	P	21 56 39.0 -1.5	KSH	comp=Z,33nm,1.0s				22 07 14.9 -6.6	NVS	comp=N,11nm,1.5s			smax	smax			
BHPL				IAMB	IAMB	21 56 42.6	KSH	comp=Z,440nm,6.1s													
ZEA	Zeya	53.03	1	eP	P	21 56 43.3 -0.7	KSH	comp=Z,520nm,8.5s													
ZEA				pmax	pmax		KSH	comp=Z,530nm,5.2s													
ZEA	comp=Z,50nm,1.2s						KSH	comp=Z,700nm,10.9s													
ZEA	comp=N,36nm,1.2s				MLR	MLR	MAKZ	Makanchi	60.10	326	eP	P	21 57 33.5 -0.9								
ZEA	comp=Z,50nm,1.2s						MAKZ	Makanchi	60.10	326	eP	P	21 57 33.5 -0.9								
ZEA	comp=N,600nm,17.0s				MLR	MLR	MAKZ	Makanchi	60.10	326	eP	P	21 57 33.5 -0.9								
ZEA	comp=Z,900nm,17.0s						MAKZ	Makanchi	60.10	326	eP	P	21 57 33.5 -0.9								
ZAK	Zakamensk	53.38	342	eP	P	21 56 47.0 +0.3	SATY	comp=Z,75nm,0.9s													
ZAK				e		21 57 54.3	SATY	comp=Z,78nm,0.8s													
ZAK	comp=Z,21nm,1.2s				pmax	pmax	SATY	comp=Z,141nm,18.6s													
ZAK	comp=Z,22nm,1.5s				pmax	pmax	ZHN	Zhinshike	60.16	321	eP	P	21 57 34.6 -0.5	CASY	Casey	67.60	187	eP	P	21 58 23.9 +0.6	
FUNA	Funafuti	53.52	101	P	P	21 57 00.0 +1.2	ZHN	comp=Z,27nm,0.7s						CASY	comp=Z,140nm,21.0s			LR	LR		
FUNA				PFAKE	PFAKE		PKPS	Kokpek	60.16	322	iP	P	21 57 34.6 -0.4	KIWB	Kanaga Island	69.60	34	eP	P	21 58 36.8 +0.7	
GOA	Goa	53.82	289	eP	P	21 56 49.7 -0.7	PKPS	comp=Z,36nm,0.7s						BVAR	Borovoye Array	69.74	328	eP	P	21 58 36.9 -0.1	
GOA				IAMB	IAMB	21 56 50.9	KHZ	comp=Z,128nm,1.7s						BRVK	Borovoye	69.81	328	PFAKE	LR	21 58 50.0 +1.3	
GOA	comp=Z,42nm,0.9s						KHZ	South Karori	60.42	140	eP	P	21 57 35.9 +0.2	BRVK	comp=Z,365nm,22.0s						
H08S2	Diego Garcia H	54.21	260	P	P	21 56 53.4 +0.4	KDJ	comp=Z,1um,20.0s						BRVK	Borovoye	69.81	328	P	P	21 58 37.4 0.0	
H08S3	Diego Garcia H	54.22	260	P	P	21 56 52.6 -0.5	KDJ	Kajisay	60.43	320	eP	P	21 57 37.9 +0.9	BRVK	Borovoye	69.81	328	iP	P	21 58 37.2 -0.2	
DGAR	Diego Garcia	54.23	261	eP	P	21 56 53.0 -0.4	KDJ	Kajisay	60.43	320	eP	P	21 57 37.9 +0.9	ADK	comp=Z,66nm,0.9s						
DGAR	Diego Garcia	54.23	261	dIP	P	21 56 52.4 -1.0	KDJ	comp=Z,60nm,0.9s						ADK	Adak	69.87	34	eP	P	21 58 38.5 +0.8	
DGAR				pmax	pmax		BKZ	Black Stump Fm	60.57	137	eP	P	21 57 37.9 +0.1	ADK	Adak	69.87	34	eP	P	21 58 38.5 +0.8	
H08S1	Diego Garcia H	54.23	260	P	P	21 56 52.8 -0.3	URZ	Urewera	60.58	135	eP	P	21 57 36.5 -1.3	MRIV	comp=Z,179nm,1.2s						
TLY	Talaya	54.41	343	eP	P	21 56 55.1 +1.0	URZ	comp=Z,11nm,0.9s,baz=17,slo=7.3,SNR=5.1						TIXI	Tiksi	71.03	1	P	P	21 58 41.9 +0.7	
TLY				e		21 56 54.8 +0.7	NRN	Naryn	60.87	319	eP	P	21 57 39.7 -0.4	TIXI	comp=Z,20nm,0.5s,baz=171,slo=7.9,SNR=3.7						
TLY	comp=Z,41nm,1.1s				LR	LR	NRN	Naryn	60.87	319	eP	P	21 57 39.7 -0.4	TIXI	Tiksi	71.03	1	eP	P	21 58 44.7 +0.2	
TLY	comp=Z,504nm,22.0s						MDOK	Medeo	61.03	321	iP	P	21 57 40.9 -0.1	TIXI	comp=Z,78nm,1.3s						
TLY				e		21 56 56.4 +2.2	MDOK	Alma-Ata	61.14	321	eP	S	22 05 57.4 +0.4	TIXI	Tiksi	71.03	1c	iP	P	21 58 43.8 -0.6	
TLY				eS	S	21 57 52.6	AAA	comp=Z,30nm,1.0s						ARQ	Araqi	71.21	294	P	P	21 58 47.2 +0.7	
TLY				pmax	pmax	22 04 42.4 +1.3	AAA	comp=Z,362nm,18.8s						ATKA	Atka Island	71.39	34	eP	P	21 58 47.5 +0.5	
TLY	comp=Z,40nm,1.1s				MLR	MLR	TDK	Taldyqorghon	61.14	323	iP	P	21 57 41.5 -0.1	UOSS	Minazif	71.72	296	eP	P	21 58 48.7 -0.9	
TLY	comp=Z,463nm,17.0s						YAK	Yakutsk	61.40	2c	iP	P	21 57 43.9 +1.0	UOSS	Minazif	71.72	296	iP	P	21 58 48.4 -1.2	
POO	Poona	54.42	292	eP	P	21 56 53.5 -1.4	YAK	comp=Z,64nm,0.7s						HATD	Hatta, Dubai	71.77	296	iP	P	21 58 49.1 -0.8	
POO				IAMB	IAMB	21 56 56.4	YAK	comp=Z,152nm,0.9s						HATD	Hatta, Dubai	71.77	296	iP	P	21 58 49.1 -0.8	
DDI	Dehra Dun	54.48	308	eP	P	21 56 53.8 -1.3	YAK	comp=N,77nm,1.0s						BANOM	Banah	71.78	297	P	P	21 58 53.8 +3.8	
DDI				IAMB	IAMB	21 56 56.5	YAK	comp=E,11nm,1.0s						BANOM	Banah	71.78	297	iP	P	21 58 50.0 0.0	
IRK	Irkutsk	54.73	344	eP	P	21 56 55.9 -0.5	YAK	comp=Z,307nm,3.7s						ASHO	Ashiyah	71.82	296	P	P	21 58 51.1 +0.9	
IRK				pmax	pmax		YAK	comp=N,631nm,3.3s						ASHO	Ashiyah	71.82	296	iP	P	21 58 50.3 +0.1	
WMQ	Urumqi	55.09	327	iP	P	21 56 59.3 +0.1	YAK	comp=E,272nm,3.8s						MSFE	Esma-Masafi	71.82	296	iP	P	21 58 51.6 +1.3	
WMQ				pP	pP	21 57 05.8 +5.3	YAK	comp=N,77nm,1.0s						SHME	Shamm	71.94	297	P	P	21 58 51.2 +0.3	
WMQ				eP	eP	21 57 15.3 -0.6	YAK	comp=N,77nm,1.0s						ALNE	Al Ain	72.01	295	iP	P	21 58 50.9 -0.4	
WMQ				PcP	PcP	21 58 00.0 -0.3	YAK	comp=Z,307nm,3.7s						RER	Riviere de l'E	72.05	248	eP	P	21 58 52.9 +1.2	
WMQ				S	S	22 04 41.3 +2.2	YAK	comp=N,631nm,3.3s						NAZ	Nazwa, Dubai	72.22	296	P	P	21 58 51.5 -1.1	
WMQ	comp=Z,180nm,0.9s				pmax	pmax	YAK	comp=N,311nm,3.1s						FAQ	Faqa, Dubai	72.24	296	iP	P	21 58 51.8 -0.9	
WMQ	comp=Z,430nm,3.7s						YAK	comp=Z,327nm,19.0s						ASUD	Al Ashush, Dub	72.47	296	P	P	21 58 53.7 -0.3	
WMQ	comp=Z,2um,22.1s				LR	LR	YAK	comp=N,243nm,19.0s						ASUD	Al Ashush, Dub	72.47	296	iP	P	21 58 53.9 -0.1	
WMQ	comp=Z,2um,19.7s				LR	LR	YAK	comp=E,286nm,20.0s						GEYT	Alibeck	72.53	310	P	P	21 58 53.9 -0.4	
WMQ	comp=Z,2um,24.5s				LR	LR	TKM2	Tokmak 2	61.84	320	P	P	21 57 46.1 -0.5	GYAOB	Alibek Array	72.53	310	eP	P	21 58 54.9 +0.7	
MOY	Monday	55.22	341	eP	P	21 57 01.1 +1.0	KUU	Kuty	61.84	321	iP	P	21 57 46.1 -0.3	BILL	Bilibino	72.75	15	eP	P	21 58 54.9 +0.1	
MOY				pmax	pmax		KUU	comp=E,110nm,0.9s						BILL	comp=Z,625nm,21.0s			LR	LR		
SMLA	Simla	55.50	308	eP	P	21 57 01.3 -1.1	MA2	Magadan	61.91	14	P	P	21 57 47.3 +0.9	BILL	Bilibino	72.75	15	dIP	P	21 58 55.7 +0.8	
SMLA				IAMB	IAMB	21 57 02.5	MA2	Magadan	61.91	14	eP	P	21 57 48.3 +1.9	BILL	comp=Z,34nm,1.0s			MLR	MLR		
H08N1	Diego Garcia H	55.55	262	P	P	21 56 57.1 -5.5	MA2	Magadan	61.91	14	eP	P	21 57 48.3 +1.9	BILL	comp=Z,397nm,25.0s						
H08N2	Diego Garcia H	55.56	262	P	P	21 56 57.8 -4.9	KBK	Karagaybulak	62.13	319	P	P	21 57 48.7 +0.2	BILL	comp=Z,397nm,25.0s						
H08N3	Diego Garcia H	55.57	262	P	P	21 56 57.5 -5.3	UCH	Uchtor	62.22	319	P	P	21 57 49.7 +0.3	ABJN	Alban	72.77	295	iP	P	21 58 54.6 -1.3	
DHRM	DHARAMSHALA	56.63	309	eP	P	21 57 09.5 -1.2	AAK	Ala-Archa	62.42	319	P	P	21 57 50.5 +0.1	ABKAR	Akbulak array	74.32	321	eP	P	21 59 03.9 -0.5	
DHRM				IAMB	IAMB	21 57 11.9	AAK	comp=Z,25nm,0.9s,baz=110,slo=4.4,SNR=6.1					UNV	Unalaska Valle	76.32	34	eP	P	21 59 16.4 +0.5		
HVS	Khovu-Aksy	57.44	336	eP	P	21 57 16.8 +0.9	AAK	comp=Z,22nm,0.9s,baz=115,slo=5.5,SNR=6.4					SVE	Sverdlovsk	76.43	329	dIP	P	21 59 16.6 +0.2		
HVS				pmax	pmax		AAK	Ala-Archa	62.42	319	P	P	21 57 50.5 +0.1	SVE				eS	S	22 08 58.1 -0.6	
BOD	Bodaibo	57.95	352	eP	P	21 57 19.6 +0.4	AAK	Ala-Archa	62.42	319	eP	P	21 57 50.5 -0.1	SVE	comp=Z,278nm,0.9s			pmax	pmax		
BOD				pmax	pmax		AAK	comp=Z,38nm,1.0s						AKUT	Akutan	76.82	34	eP	P	21 59 18.6 0.0	
PEA0B	Petropavlovsk	58.56	22	eP	P	21 57 25.2 +1.6	AAK	comp=Z,655nm,21.0s						ARU	Arti	77.38	328	eP	P	21 59 21.8 +0.1	
PETK	Petropavlovsk	58.56	22	eP	P	21 57 24.2 +0.6	AAK	Ala-Archa	62.42	319	P	P	21 57 50.3 -0.1	ARU	comp=Z,330nm,0.9s			LR	LR		
PETK	comp=Z,89nm,1.0s,baz=181,slo=4.9,SNR=50						AAK	Ala-Archa	62.42	319	iP	P	21 57 50.6 +0.2	ARU	comp=Z,221nm,21.0s						
PETK	Petropavlovsk	58.56	22	eP	P	21 57 24.7 +1.1	AAK	Ala-Archa	62.42	319	iP	P	21 57 50.6 +0.2	ARU	Arti	77.38	328	dIP	P	21 59 21.1 -0.7	
PETK	Petropavlovsk																				

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like M54A, S49A, R51A, T50A, U50A, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like H11N1, H11N3, H11S1, H11S3, H11S2, etc.

21d 1h

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

21d 1h
IDC 21 01:20:38.0-3.6, 14.58N-93.15W, h0km, mb3.8/4,
mb1 4.1/7, mb1mx3.7/35, mbtmp3.7/77, ML3.5/3, MS2.4/2,
Ms1 2.4/2, ms1mx2.3/30, Error ellipse: s-maj=85.4km
s-min=27.1km az=24.0
MEX 21 01:20:42.9-0.6, 14.56N-93.16W, h20km, MD3.8
ISCJB 21 01:20:43.6-1.0, 14.72N-93.04W, h0.6, h51km,
mb4.0/8, Error ellipse: s-maj=15.0km s-min=6.6km
az=20.7
NEIC 21 01:20:43.3-2.7, 14.57N-93.11W, h37km, 15km, mb4.0/6,
Error ellipse: s-maj=36.4km s-min=12.3km az=197.0
ISC 21 01:20:45.3-1.4, 14.71N-93.12W, h0.07, h51km, n21,
s189/25, mb3.9/8, Near coast of Chiapas

2012 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AMTX, ANMO, P42A, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TURI Tura, DMN Daman, GUWA GUWAHATI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RES Resolute Bay, ILAR Eielson Array, ILB Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SJUI Sorong, MJAR Matsushiro Arr, USRK Ussuriysk Arr, etc.

NEIC 21 04:30:38.0.0.6.2.62N.0.26E, h10km, mb4.5/2, Error ellipse: s-maj=18.5km s-min=10.5km az=217.0

GCMT 21 04:30:43.0.0.2.3.65N.0.01.63.88E.0.02. h2km, MW5.0/100, Moment Tensor Solution. s32,325;

ISC 21 04:30:44.1.0.9.3.9N.0.2.64.1E.0.1, h10km, mb4.3/12, M5.4, 1/1 Error ellipse: s-maj=23.5km s-min=14.2km

ISC 21 04:30:45.4.1.2.3.7N.0.2.64.0E.0.1, h10km, n28, r1521.1, mb4.4/12, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

ISC 21 04:33:18.4.2.5.3.77N.64.110E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.6/60, mbtmp3.6/4, Error ellipse: s-maj=90.4km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

NCC 21 04:35:17.0.6.1.36.99N.71.47E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=52.7km s-min=42.0km az=135.0

ISC 21 04:35:18.3.9.6.36.70N.72.15E, h107km, mb2km, mb3.1/2, mb1 3.3/4, mb1mx3.0/55, mbtmp3.6/4, MS3.3/1, M5.1 3.3/1, ms1mx2.5/16, Error ellipse: s-maj=86.5km s-min=69.0km

ISC 21 04:35:23.1.2.0.37.0N.0.2.71.9E.0.2, h142km, n8, r1576.12, SC-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Sufi-Kurgan, Sufi-Kurgan, Sufi-Kurgan, etc.

ISC/JB 21 04:47:05.3.2.2.42.53N.0.10.43.48E.0.07, h10km, gkm, Error ellipse: s-maj=16.6km s-min=8.5km az=0.3

NORS 21 04:47:05.8.0.0.42.66N.43.53E, h20km, MPVA2.9

ISC 21 04:47:05.9.1.3.42.63N.0.1.43.49E.0.05, h9km, n11km, n6, r1507.10, Western Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like ONI, ONI, ONI, etc.

BUJ 21 04:49:00.9.52.25N.158.49E, h127km, mb4.9/50, m85.1/28

KRSC 21 04:49:01.3.1.1.51.91N.158.71E, h112km, gkm, ML5.3, FELT [J] at lighthouse Kruglyj.

MOS 21 04:49:02.1.0.9.52.02N.158.41E, h125km, mb4.7/47, Error ellipse: s-maj=7.4km s-min=3.8km az=92.1

ISC/JB 21 04:49:02.8.0.3.52.07N.0.03.158.32E.0.05, h125km, 1km, mb4.7/121, Error ellipse: s-maj=6.2km

NEIC 21 04:49:05.8.0.7.52.18N.158.14E, h135km, 5km, mb4.6/43, Error ellipse: s-maj=6.5km s-min=4.0km az=141.0

NEIC Felt in the Petropavlovsk-Kamchatskiy area.

ISC 21 04:49:05.4.0.9.52.13N.158.22E, h134km, 5km, mb4.1/23, mb1 4.2/26, mb1mx4.1/41, mbtmp4.5/26, Error ellipse: s-maj=14.6km s-min=9.8km az=137.0

ISC 21 04:49:03.3.0.5.52.01N.0.04.158.45E.0.04, h126km, 3km, n401, r1550/452, mb4.7/121, 64C-200, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Khodutka, Khodutka, Khodutka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, etc.

21d 6h

comp=Z,1.2m,0.6s,baz=8.7,slow=4.9,SNR=10

ADC 21 04:49:10.6-0.9,51.44N,157.76E,h0km,mb3.9/7, mb1 4.2/7,mb1mx3.8/38,mbtmp3.9/7, Error ellipse: s-maj=33.7km s-min=20.8km az=143.0,Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like ILAR, H1N2, H1N3, H1N1, SONM, H1S1, H1S3, H1S2, YKAR, MKAR, NVAR, PDAR, WRA, ASAR.

ADC 21 05:07:41.6-4.7,36.38N,171.28E,h149km,42km,mb3.2/6, mb1 3.2/12,mb1mx3.1/51,mbtmp3.6/12, Error ellipse: s-maj=34.2km s-min=19.8km az=28.0

ISCJB 21 05:07:45.9-0.5,36.77N,170.04-71.55E,0.08,h200km, mb3.2/6, Error ellipse: s-maj=9.4km s-min=4.8km az=158.2

NNC 21 05:07:49.1-1.9,37.02N,171.28E,h172km,24km,mb2.9, mpv3.8, Error ellipse: s-maj=19.7km s-min=15.2km az=66.0

ISC 21 05:07:46.7-0.8,36.80N,170.07-71.52E,0.09,h200km,n28, @180/35,mb3.2/6,7C-3D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like SFK, AAK, KK31, MKAR, PYUN, DANN, KOLN, DMN, KURBB, PKIN, PKI, GUN, AB31, JIRN, RAMN, BVAR, AKTO, HFS, NB2, NOA, YOKA, WRA, ASAR.

ADC 21 05:29:53.2-2.1,0.73N,127.20E,h0km,mb3.2/3, mb1 3.4/3,mb1mx3.2/46,mbtmp3.2/3,MS3.0/1,MS1 3.0/1, s-maj=25.8km az=66.0,Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like GUMO, WRA, ASAR, MKAR, ILAR, YKA.

NIED 21 05:43:00,38.00N,141.80E,h38km,Mw3.8 Best double

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couple: M5.09000-1014 NP1.3,13.00000, delta3.00000, 1.18.00000, NP2.2,274.00000, delta4.00000, 1.52.00000. IDC 21 05:43:06.5-2.9,38.08N,142.47E,h0km,mb3.4/2, mb1 3.7/3,mb1mx3.2/32,mbtmp3.4/3,ML3.7/1,MS2.4/1, MS1 2.4/1,ms1mx2.0/32, Error ellipse: s-maj=67.4km s-min=36.7km az=61.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like JIKH, JIKJ, JIO, JKMT, JMM, JOM, JOK, JYK, JYJ, JYF, MJAR, MAT, H1N2, H1N1, H1N3, MKAR, WRA.

ISCJB 21 05:43:12.0-2.0,38.03N,142.00E,0.09,h26km,12km, n21,@130/31,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like JIKH, JIKJ, JIO, JKMT, JMM, JOM, JOK, JYK, JYJ, JYF, MJAR, MAT, H1N2, H1N1, H1N3, MKAR, WRA.

IDC 21 06:03:40.4-9.3,2.65N,63.58E,h0km,mb3.6/2,mb1 3.9/2, mb1mx3.2/41,mbtmp3.6/2, Error ellipse: s-maj=837.6km s-min=50.0km az=39.0,Carlsberg Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like H08N2, H08N3, H08N1, WRA, ASAR, TXAR.

IDC 21 06:11:04.5-9.8,2.99N,64.56E,h0km,mb3.7/2,mb1 4.0/2, mb1mx3.3/36,mbtmp3.7/2, Error ellipse: s-maj=852.1km s-min=49.8km az=40.0,Carlsberg Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like H08N2, H08N3, H08N1, WRA, ASAR, TXAR.

IDC 21 06:16:14.1-3.0,32.02S,178.42W,h0km,mb4.2/2, mb1 4.5/3,mb1mx3.9/30,mbtmp4.3/3,ML4.4/1,MS3.3/2, MS1 3.3/2,ms1mx2.8/27, Error ellipse: s-maj=68.1km s-min=44.7km az=119.0

WEL 21 06:16:16.6-5.9,32.02S,178.42W,h0km,ML5.1/20 NEIC 21 06:16:18.6-1.2,32.18S,178.38W,h35km,mb4.3/4, Error ellipse: s-maj=27.6km s-min=10.8km az=97.0

ISC 21 06:16:15.0-1.1,32.28S,0.05:177.6W-0.1,h35km,n61, @216/57,mb4.3/7,South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like GLKZ, MXZ, MXZ, WMGZ, PKGZ, HAZ, PUZ, RUGZ, TWGZ, CNGZ, KUZ, TKGZ, MWZ, OPRZ, URZ, URZ, URZ, URZ, RIGZ, WIAZ, PRGZ, WCAZ, MKAZ, SNGZ, KNGZ, MHGZ, TOZ, OUZ, OUZ, RAHZ, RAHZ, MTHZ, MTHZ, ALRZ, BKZ, KWHZ, KAHZ, KRHZ, BHZ, BFZ, BFZ, MRZ.

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Table with columns: THZ, KHZ, RPZ, AS01, AS31, ASAR, WB2, WRAB, WR1, WRA, FITZ, SNAZ, VNA3, VNA2, MNAI, KSRS, AGP, FIA1, FIA0, FINES.

IDC 21 06:23:01.9-0.7, 15.27S,173.42W,h0km,mb4.0/10, mb1 4.3/10,mb1mx4.1/34,mbtmp4.0/10,MS3.4/8, MS1 3.4/8,ms1mx3.2/32, Error ellipse: s-maj=37.0km s-min=17.0km az=134.0

ISCJB 21 06:23:06.1-0.2, 15.36S,173.14W,0.07,h29km, mb4.5/67,MS3.5/9, Error ellipse: s-maj=10.3km s-min=5.8km az=35.1

BUL 21 06:23:07.5, 15.52S,173.01W,h43km,mb5.0/8,mb5.1/2 NEIC 21 06:23:11.1, 15.12S,173.33W,h63km,11km,mb4.5/51, Error ellipse: s-maj=10.0km s-min=4.0km az=125.0

ISC 21 06:23:07.0-0.4, 15.53S,173.00W,0.09,h29km, n20,@150/108,mb4.6/67,MS3.3/9,Samoa Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like NIUE, FUNA, KNTN, DZM, DZM, PPT, PPT2, OUZ, MXZ, TBI, URZ, URZ, HIZ, BKZ, BFZ, HNR, KHZ, RPZ, TAOE, WHZ, H1N3, H1N1, H1N2, STKA, STKA, BB00, WBR1, WRA, AS01, AS01, VVDA, VVDA, VVDA, MMRI, ISA, PEAOB, PERYK, NV01, PAHR, LDFC, KVN, R11A, X16A, USRK, G08A, X18A, E07A, DUG, F10A, TMUT, MDJ, DIV, B08A, HLID, CTU, SRU.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Butcher Ranch, Sheep Creek Mo, LEMN, MNTX, TCUT, etc.

SOME 21 06:53:27.1, 43.35N, 82.15E, h25km
ISC 21 06:53:31.2, 43.43N, 82.01, h32km, n9,
s=166/15, 2C-3D, Northern Xinjiang

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARXS, MK31, MK31, MAKZ, MAKZ.

KRSC 21 06:57:32.2, 1.2, 54.75N, 162.43E, h36km, n12km, ML4.2
ISCJB 21 06:57:33.3, 0.9, 54.77N, 162.03, 162.44E, 0.09, h30km, 6km,
mb3.4/6, MS3.4/1, Error ellipse: s-maj=9.5km s-min=3.3km
az=12.9

MOS 21 06:57:34.1, 0.7, 54.81N, 162.36E, h41km, mb4.3/1, Error
ellipse: s-maj=8.6km s-min=5.1km az=81.3
IDD 21 06:57:38.5, 3.8, 54.99N, 161.91E, h65km, 34km, mb3.2/6,
mb1.3/4.7, mb1mx3.1/5.3, mbmtpr3.4/7, ML2.8/1, MS3.4/1,
Ms1.3/4.1, ms1mx2.4/2.3, Error ellipse: s-maj=34.44km
s-min=22.3km az=112.0

ISC 21 06:57:34.1, 1.1, 54.87N, 162.23E, 0.05, h29km, 3km,
n8, 0.138/109, mb3.3/6, Near east coast of Kamchatka

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 MKZ, MKZ, MKZ, TUMD, etc.

IDC 21 07:05:04.9, 3.1, 13.39N, 91.90W, h0km, mb3.7/3,
mb1.4/0.6, mb1mx3.6/4.5, mbmtpr3.7/6, ML3.6/2, MS3.6/2,
Ms1.3/6.2, ms1mx2.8/3.6, Error ellipse: s-maj=55.6km
s-min=29.5km az=166.0
ISCJB 21 07:05:07.6, 0.9, 13.4N, 0.1, 91.95W, 0.04, h37km,
mb4.1/2.8, Error ellipse: s-maj=16.0km s-min=4.7km
az=12.7
UCR 21 07:05:08.8, 1.7, 13.58N, 91.78W, h10km, 39km, ML3.4,
mb4.9(NEIC)
NEIC 21 07:05:09.7, 1.4, 13.48N, 91.83W, h35km, mb4.3/2.3, Error
ellipse: s-maj=23.1km s-min=11.7km az=188.0

ISC 21 07:05:08.9, 1.0, 13.3N, 0.1, 91.92W, 0.07, h37km, n59,
s=1258/57, mb4.3/2.3, Near coast of Guatemala

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

21d 7h

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like KHGB Koh Gabri, MSFE Esma-Masafi, ASUD AI Ashush, DUB, etc.

ISCJB 21 07:21:05.5:0.4,24.81N:0.02:121.94E:0.02, h103km,3km, Error ellipse: s-maj=4.0km s-min=3.2km az=154.9

TAP 21 07:21:05.2,24.81N:122.00E,h107km,ML3.5,B JMA 21 07:21:06.0,0.2,24.71N:121.94E,h96km,3km, M2.8 ISC 21 07:21:06.0,1.3,24.81N:0.04:121.95E:0.03,h100km,6km, n79,-0.53/124,10C-1D,Taiwan

Main table of station data for the 21d 7h period, including stations like NTC Toucheng, TWC Suao, TWE Neicheng, etc.

2012 DEC

Main table of station data for the 2012 DEC period, including stations like TWT Tachien, TDCB Tech, WHF Hehuan Shan, etc.

NEIC 21 07:30:40.8:0.3,0.77N:98.41E,h35km,mb4.4/24, Error ellipse: s-maj=10.7km s-min=9.3km az=52.0 IDC 21 07:30:44.9:0.5,1.00N:98.86E,h63km,mb4.0/17, mb1.4/18,mb1mx3.9/55,mbmp4.3/18,MS3.0/2, Ms1.3/12,ms1mx2.6/47, Error ellipse: s-maj=19.3km s-min=11.1km az=63.0

ISCJB 21 07:30:45.4:0.3,0.97N:0.03:98.73E:0.03,h88km,3km, mb4.3/46, Error ellipse: s-maj=6.4km s-min=4.4km az=140.5 DJA 21 07:30:46.8:0.2,1.12N:2.99E,h63km,4km,M4.7/18, mb4.8/7,mB5.5/4,MLV4.5/18,Mw(mB)5.0/4 KLM 21 07:30:48.0,1.01N:98.90E,h26km,mb4.7 ISC 21 07:30:45.6:0.5,1.04N:0.04:98.73E:0.04,h71km,3km, h1kt:pp-P,n136,0.195S/153,mb4.5/46,5C-1D,Northern Sumatera

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like MNSI Mandailing Nat, PBI Pulau Batu, GSI Gunungsitoli, etc.

1042

Main table of station data for the 1042 period, including stations like PSI Saibi, SISI Bangkinang, BKN Bangkinang, etc.

21d 7h

Table with columns: BRTR, Keskin Array B, 76.21 322 P, P, 07 59 40.3 0.0, comp=2.1, 1.8nm, 0.7s, baz=56, slow=3.8, SNR=6.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SJIJ Sorong, 5.85 14 P, 1.6nm, 0.3s, baz=217, slow=20, SNR=12

IDC 21 07:50:33.2, 2.7, 6.59S, 129.84E, h150km, mb3.7/1, mb1 3.2/5, mb1mx3.0-20.1km, az=89.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EOS1 EOS1, 0.61 340 P, ENLB Shouteng, 0.69 264 eP, TWD Chiawan, 0.70 279 P, NANB Nanao, 0.71 309 eP, JYNG Yonagunijimaku, 0.71 49 P, YJNG ENA, 0.72 309 eP, ENA, 0.72 309 eP, NACB Ninganchiao, 0.72 286 eP, NACB, 0.72 286 eP, YOJ Yonaguni jima, 0.77 51 P, YOC Suao, 0.78 324 eP, TWC, 0.86 259 eP, ESL Shilin, 0.86 259 eP, ENTT Nioudou, 0.98 313 eP, ENTT, 0.98 313 eP, HGSD Ruisui, 0.98 241 eP, HGSD, 0.98 241 eP, NNSB Datong, 1.00 297 eP, NNSB, 1.00 297 eP, NNS Nan Shan, 1.01 297 eP, NNS, 1.01 297 eP, WHF Hehuan Shan, 1.01 280 eP, WHF, 1.01 280 eP, EHY Hungye, 1.06 244 eP, EHY, 1.06 244 eP, TWB1 Santiao Chiao, 1.08 342 eP, TWB1, 1.08 342 eP, CHGB Renai, 1.08 275 eP, CHGB, 1.08 275 eP, TIPB Shuangxi, 1.10 334 eP, TIPB, 1.10 334 eP, TDCB Tech, 1.13 284 eP, TDCB, 1.13 284 eP, YHNB Yeheng, 1.13 308 eP, YHNB, 1.13 308 eP, YHNB, 1.13 292 eP, YULB Yu-i, 1.13 239 eP, YULB, 1.13 239 eP, VVWD VVWD, 1.14 259 eP, VVWD, 1.14 259 eP, NSK Sanguang, 1.15 308 eP, NSK, 1.15 308 eP, TW1 Yuli, 1.15 238 eP, TW1, 1.15 238 eP, NWF Wu-fen Shan, 1.21 334 eP, NWF, 1.21 334 eP, WFSB Wu-fen Shan, 1.21 334 eP, WFSB, 1.21 334 eP, TWA Mucha, 1.22 325 eP, TWA, 1.22 325 eP, TATO Taipei, 1.27 322 eP, TATO, 1.27 322 eP, SSLB Suanglung, 1.30 262 eP, SSLB, 1.30 262 eP, IRIF Iriomote-Funau, 1.30 74 P, IRIF, 1.30 74 P, HATJ Hateruma jima, 1.33 86 P, HATJ, 1.33 86 P

2012 DEC

Table with columns: SMLT Sun Moon Lake, 1.34 266 eP, SMLT, 1.34 266 eP, YM01, 1.37 329 eP, YM07, 1.37 331 eP, YM07, 1.37 329 eP, TYC Yuchr, 1.38 267 eP, TYC, 1.38 267 eP, YUS Yu-Shan, 1.38 250 eP, YUS, 1.38 250 eP, YM10, 1.38 328 eP, YM11, 1.38 329 eP, YM05, 1.38 329 eP, YM04, 1.39 328 eP, LIOB Emei, 1.39 299 eP, YM08, 1.39 330 eP, NSTT Nanjutan, 1.40 298 eP, NSTT, 1.40 298 eP, TWS1 Kuangyinshan, 1.41 323 eP, TWS1, 1.41 323 eP, YM03, 1.41 328 eP, YM03, 1.41 328 eP, ELDTW Lidau, 1.46 328 eP, ELDTW, 1.46 328 eP, TWY Chenhua, 1.47 332 eP, TWY, 1.47 332 eP, TWQ1 Liyutan, 1.49 285 eP, TWQ1, 1.49 285 eP, ALS Alishan, 1.50 252 eP, ALS, 1.50 252 eP, ALS, 1.52 287 eP, JKRS Kuro-shima, 1.53 80 P, JKRS, 1.53 80 P, WNT Mingjian, 1.53 267 eP, WNT, 1.53 267 eP, CHNS Tsaiing, 1.58 257 eP, CHNS, 1.58 257 eP, CHNS, 1.65 226 eP, TWGBT Beinan, 1.65 226 eP, TWGBT, 1.65 226 eP, TWG Pingang, 1.65 226 eP, TWG, 1.65 226 eP, PCYT Pengchayiu, 1.67 351 eP, PCYT, 1.67 351 eP, JIJ Ishigaki jima, 1.68 76 P, JIJ, 1.68 76 P, TPUB Ta-pu, 1.72 247 eP, TPUB, 1.72 247 eP, TPUB, 1.73 249 eP, CHN4 Tsushan, 1.73 249 eP, CHN4, 1.73 249 eP, WTP Ta-pu, 1.76 246 eP, WTP, 1.76 246 eP, RLNB Erin, 1.83 268 eS, RLNB, 1.83 268 eS, CHN1 Nanshi, 1.85 245 eP, CHN1, 1.85 245 eP, CHN1, 1.85 248 eP, TWK Hsiinying, 1.85 248 eP, TWK, 1.85 248 eP, TWK, 1.86 242 eP, SGST Jiashian, 1.86 242 eP, SGST, 1.86 242 eP, SGST, 1.88 71 P, JISG Ishigakijimahi, 1.88 71 P, JISG, 1.88 71 P, SSS Sandimen, 2.00 233 eP, SSS, 2.00 233 eP, LAY Lan-yu, 2.07 201 eP, LAY, 2.07 201 eP, MASBT Mashibuluo, 2.09 230 eP, MASBT, 2.09 230 eP, MASBT, 2.11 221 eP, EAST Anshuo, 2.11 221 eP, EAST, 2.11 221 eP, EAST, 2.24 72 P, JTJ Tarama, 2.24 72 P, JTJ, 2.24 72 P, SCZT Fangliu, 2.26 225 eP, SCZT, 2.26 225 eP, TWKBT Hengchun, 2.48 215 eP, TWKBT, 2.48 215 eP, WDGJT Dungji, 2.58 254 eP, WDGJT, 2.58 254 eP, PHUB P'eng-hu, 2.59 260 eP, PHUB, 2.59 260 eP, YVUC YVUC, 2.83 291 eP, YVUC, 2.83 291 eP, MATB Ma-tsu, 3.08 315 eP, MATB, 3.08 315 eP, PTMZ Houxiangcun, 3.13 290 eP, PTMZ, 3.13 290 eP, AXDP Jialang, 4.10 284 eP, AXDP, 4.10 284 eP, ZPLA Ao Xicun, 4.21 270 eP, ZPLA, 4.21 270 eP, SONM Songino Array, 26.98 336 P, SONM, 26.98 336 P, MKAR Makanchi Array, 39.23 316 P, MKAR, 39.23 316 P, ZALV Zalesovo Beam, 41.00 327 P, ZALV, 41.00 327 P, WRA Warramunga Arr, 45.19 164 P, WRA, 45.19 164 P, YKA Yellowknife Ar, 82.74 23 P, YKA, 82.74 23 P

IDC 21 07:54:15.7, 23.0, 9.76N, 87.92W, h0km, mb3.4/3, mb1 3.8/3, mb1mx3.5/28, mbtmp3.4/3, Error ellipse: s-maj=505.8km s-min=132.6km az=10.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, CSGN Cosiguina Volc, 0.86 47 eP, CSGN, 0.86 47 eP, CNCH Conchagua, 0.96 22 eP, CNCH, 0.96 22 eP, LCND La Ca-ada, 0.97 18 eP, LCND, 0.97 18 eP, LCND, 1.04 355 eP, LCY Lacayo, 1.09 354 eP, PACA Pacatzi, 1.09 354 eP, SNVI San Vicente, 1.37 333 eP, SNVI, 1.37 333 eP, SNVI, 1.49 326 eP, CAHU Cacacuatiq, 1.49 326 eP, LFRS L'Anse-au-Fort, 1.50 332 eP, PAVA Las Pavas, 1.50 332 eP, PAVA, 1.50 332 eP

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Table with columns: PAVA PAVA, 1.58 329 eS, PAVA, 1.58 329 eS, LBRS Las Brisas, 1.58 323 eP, LBRS, 1.58 323 eP, LOMA LOMA, 1.58 323 eS, LOMA, 1.58 323 eS, LOMA, 1.58 323 eS, LOMA, 1.58 323 eS, COPN Copaltepe, 1.59 97 eP, COPN, 1.59 97 eP, LFU La Fuente, 1.62 327 eP, LFU, 1.62 327 eP, SNET Serv Hac Est T, 1.64 322 eS, SNET, 1.64 322 eS, SNET, 1.64 322 eS, SNET, 1.64 322 eS, OPAM San Salvador, 1.65 324 eS, OPAM, 1.65 324 eS, OPAM, 1.65 324 eS, OPAM, 1.65 324 eS, UEES San Salvador, 1.68 323 IAML, UEES, 1.68 323 IAML, UEES, 1.68 323 IAML, BOQS Boquero, 1.71 322 eP, BOQS, 1.71 322 eP, CEDA San Andres, 1.83 321 IAML, CEDA, 1.83 321 IAML, CEVE Cerro Verde, 2.00 316 IAML, CEVE, 2.00 316 IAML, RTR El Retiro, 2.06 317 eP, RTR, 2.06 317 eP, TXAR Lajas Array, 22.17 322 P, TXAR, 22.17 322 P, PDAR Pinedale Array, 35.49 332 P, PDAR, 35.49 332 P, YKA Yellowknife Ar, 53.48 345 P, YKA, 53.48 345 P

GUC 21 07:56:05.1, 0.6, 20.57S, 69.06W, h110km, 4km, ML3.5, 10C, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, PB08 IPOC Station P, 0.44 349 eP, PB08, 0.44 349 eP, PB08, 0.61 220 eP, PB01 IPOC Station P, 0.61 220 eP, PB01, 0.61 220 eP, PB01, 0.61 220 eP, GO01 Chuzimia, 0.91 352 eP, GO01, 0.91 352 eP, GO01, 0.91 352 eP, PB11 IPOC Station P, 0.98 325 eP, PB11, 0.98 325 eP, PB11, 0.98 325 eP, PB02 IPOC Station P, 1.08 226 eP, PB02, 1.08 226 eP, PB02, 1.08 226 eP, PB09 IPOC Station P, 1.23 188 eP, PB09, 1.23 188 eP, PB09, 1.23 188 eP, PB07 IPOC Station P, 1.38 214 eP, PB07, 1.38 214 eP, PB07, 1.38 214 eP, PSCG Pisagua, 1.39 314 eP, PSCG, 1.39 314 eP, PSCG, 1.39 314 eP, MNMC Minye Minye, 1.52 341 eP, MNMC, 1.52 341 eP, MNMC, 1.52 341 eP, PB03 IPOC Station P, 1.60 204 eP, PB03, 1.60 204 eP, PB03, 1.60 204 eP, PB04 IPOC Station P, 2.02 210 eP, PB04, 2.02 210 eP, PB04, 2.02 210 eP, PB06 IPOC Station P, 2.17 193 eP, PB06, 2.17 193 eP, PB06, 2.17 193 eP, PB12 IPOC Station P, 2.29 328 eP, PB12, 2.29 328 eP, PB12, 2.29 328 eP, PB05 IPOC Station P, 2.50 205 IAML, PB05, 2.50 205 IAML, PB05, 2.50 205 IAML

ISCJB 21 07:58:17.5, 0.4, 24.01N, 0.02, 122.37E, 0.02, h16km, 5km, Error ellipse: s-maj=4.2km s-min=2.4km az=163.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EOS1 EOS1, 0.60 339 P, EOS1, 0.60 339 P, EOS1, 0.60 339 P, JYNG Yonagunijimaku, 0.70 48 P, JYNG, 0.70 48 P, ENLB Shoufeng, 0.71 264 eP, ENLB, 0.71 264 eP, ENLB, 0.71 264 eP, TWD Chiawan, 0.72 278 eP, TWD, 0.72 278 eP, TWB1 Santiao Chiao, 1.08 342 eP, TWB1, 1.08 342 eP, NANB Nanao, 0.72 308 eP, NANB, 0.72 308 eP, ENA Nanao, 0.73 308 eP, ENA, 0.73 308 eP, NACB Ninganchiao, 0.73 285 eP, NACB, 0.73 285 eP, YOJ Yonaguni jima, 0.75 51 P, YOJ, 0.75 51 P, TWC Suao, 0.78 323 P, TWC, 0.78 323 P, TWE Neicheng, 0.97 319 eP, TWE, 0.97 319 eP, ENTT Nioudou, 0.98 312 eP, ENTT, 0.98 312 eP, HGSD Ruisui, 1.00 241 eP, HGSD, 1.00 241 eP, NNSB Datong, 1.00 296 eP, NNSB, 1.00 296 eP, NNSB, 1.00 296 eP, NNS Nan Shan, 1.02 297 P, NNS, 1.02 297 P, WHF Hehuan Shan, 1.02 279 P, WHF, 1.02 279 P, EHY Hungye, 1.07 244 eP, EHY, 1.07 244 eP, TWB1 Santiao Chiao, 1.08 341 P, TWB1, 1.08 341 P, CHGB Renai, 1.10 274 eP, CHGB, 1.10 274 eP, TWT Tachien, 1.12 284 eP, TWT, 1.12 284 eP, YHNB Yeheng, 1.14 307 eP, YHNB, 1.14 307 eP

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

NDI 21 07:59:46.4±3.1, 25°64N, 94°05E, h15km, 33km, ML3.6,

Myanmar-India border region

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

JMA 21 08:06:22.9, 32°06N, 130°34E, h9km, 1km, M5.7, Kyushu

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

NIED 21 08:07:00, 38°60N, 141°90E, h56km, Mw5.1 Best double

couple: M=4.79000±0.018, NP1=3.559, 0.00000°, 3.73, 0.00000°,

λ1.63, 0.00000°, NP2=0.95, 0.00000°, 3.73, 0.00000°, λ1.60, 0.00000°,

BJI 21 08:07:14.1, 38°61N, 142°09E, h36km, mb5.1/67, mb5.0/39,

Ms4.5/59, Ms7.4/3/56

MOS 21 08:07:15.8±1.0, 38°68N, 141°80E, h28km, mb5.3/61,

MS4.1/19, Error ellipse: s-maj=5.9km s-min=3.9km

az=98.3

JMA 21 08:07:19.6, 38°64N, 141°81E, h48km, 1km, M5.2

Broadband fault plane solution: P waves. NP1:

0.0, 0.00000°, 3.73, 0.00000°, λ1.147, 0.00000°. NP2:

0.0, 0.00000°, 3.73, 0.00000°. Principal axes: T P1g5.0, 0.00000°,

Azm317.00000°, N P1g54.0, 0.00000°, Azm155.00000°; P

P1g9.00000°, Azm53.00000°.

JMA Felt IV J1

ISCJB 21 08:07:19.3±0.2, 38°66N, 02°141.74E, 0.02, h56km, 1km,

mb5.0/241, MS4.3/44 Error ellipse: s-maj=3.3km

s-min=2.3km az=40.4

IDC 21 08:07:20.5±1.8, 38°65N, 141°72E, h56km, 16km, mb4.3/26,

mb1.4/6/3, mb1mx4.5/39, mbtmp4.7/33, ML4.6/8, MS4.1/30,

Ms1.4/1/30, ms1mx4.0/40, Error ellipse: s-maj=12.5km

s-min=10.1km az=110.0

NEIC 21 08:07:20.3±0.4, 38°63N, 141°71E, h50km, 3km, mb5.0/152,

Error ellipse: s-maj=3.5km s-min=2.5km az=134.0

NEIC Felt III in Sendai and Iliji in Misawa. Felt from Hachinohe to

Inashiki and from Sakata to Ishinomaki. Recorded [4

JMA] in Iwate and Miyagi.

GCMT 21 08:07:21.3±0.2, 38°59N, 01°141.75E, 0.02, h49km, 1km,

MW5.1/72, Moment Tensor Solution. s53.c63; s72.c109;

Duration: 0 Moment tensor: Scale 10¹⁶N; M1:0.95±.20;

M2:0.03±.15; M3:0.92±.15; M4:1.02±.15; M5:0.97±.12;

M6:1.16±.14; Best double couple: M5:2.77000, 1016

NP1:0.1, 0.00000°, 3.77, 0.00000°, λ1.64, 0.00000°. NP2:

0.94, 0.00000°, 3.75, 0.00000°, λ1.4, 0.00000°. Principal axes: T

5.0860, P1g20.00000°, Azm317.00000°; N 0.3820,

P1g70.00000°, Azm142.00000°; P -5.4690, P1g2.00000°.

Azm48.00000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 21 08:07:19.0±0.5, 38°66N, 03°141.89E, 0.03, h45km, 4km, m674, λ1550/713, mb5.0/255, MS4.3/44, 49C-55D, Near east coast of eastern Honshu

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

comp=Z, 422nm, 1.3s

JRY Ryogami san 3.55 223 P Pn 08 08 12.3 +0.6

MJAR Matsushiro Arr 3.60 235 P Pn 08 08 13.3 +0.9

comp=Z, 89nm, 0.3s, baz=39, slow=11, SNR=683

MJAR comp=Z, 5μm, 20.1s, baz=65, slow=45 LR 08 09 57.4

MAJO Matsushiro 3.61 235 ePn Pn 08 08 13.3 +0.9

MAJO Matsushiro 3.61 235 dP Pn 08 08 13.7 +1.3

MAT Matsushiro 3.61 235 P Pn 08 08 13.8 +1.4

MAT Matsushiro 3.61 235 eS Pn 08 09 00.3 +6.6

MAT Matsushiro 3.61 235 P Pn 08 08 13.8 +1.4

MJB9 Matsu-Tunnel 3.61 235 ePn Pn 08 08 13.1 +0.7

ERM Kusurohahamanak 3.76 234 P Pn 08 08 16.2 +1.6

JSZ Suzu 3.77 253 P Pn 08 08 14.8 +0.2

JNT Takato 4.08 228 P Pn 08 08 20.8 +1.8

JYN Shimob 4.13 221 P Pn 08 08 21.1 +1.4

JGN Niukaw 4.38 238 P Pn 08 08 25.0 +2.0

JNY Yasuok 4.61 226 P Pn 08 08 28.4 +2.2

JGF Kuroka 4.73 231 P Pn 08 08 30.3 +2.4

JAR Ashorobuto 4.85 16 P Pn 08 08 29.1 -0.3

JYZW Yoshizawa 4.95 224 P Pn 08 08 32.2 +1.4

JAO Obara 5.02 229 P Pn 08 08 34.0 +2.1

HMMU Hamamatsu 2 5.06 223 P Pn 08 08 33.7 +1.4

JKHN Kushirohahamanak 5.07 28 P Pn 08 08 32.5 +0.1

INU Inuyama 5.11 231 ePn Pn 08 08 34.8 +1.8

ASAJ Asahikawa 5.48 5 P Pn 08 08 39.0 +1.0

comp=Z, 26nm, 0.3s, baz=221, slow=8.9, SNR=30

ASAJ comp=Z, 37nm, 0.3s, baz=158, slow=4.2, SNR=4 LR 08 09 37.4 -2.4

ASAJ comp=Z, 1μm, 20.6s, baz=258, slow=42 LR 08 11 13.9

ASAJ Asahikawa 5.48 5 ePn Pn 08 08 39.1 +1.0

ASAJ Asahikawa 5.48 5 eS Pn 08 08 39.5 -1.2

ANM2 Nemuro 2 5.53 31 P Pn 08 08 37.9 -0.9

JHJ2 Mitsune 5.79 198 ePn Pn 08 08 41.7 -0.6

JHJ2 Mitsune 5.79 198 eS Pn 08 08 45.8 -1.6

JHJ Hachijo jima 2 5.79 198 P Pn 08 08 42.4 +0.1

comp=Z, 161nm, 0.3s, baz=54, slow=1.2, SNR=27

JHJ comp=Z, 151nm, 0.3s, baz=248, slow=23, SNR=12 LR 08 09 43.8 -3.6

JHJ comp=Z, 877nm, 19.9s, baz=38, slow=34 LR 08 10 33.0

GRPR Tuman 6.08 280 P Pn 08 08 45.3 -1.0

GRPR comp=Z, 1μm, 1.0s LR 08 09 49.9 -4.6

GRPR comp=N, 374nm, 0.3s pmax pmax

GRPR comp=E, 153nm, 0.3s pmax pmax

GRPR comp=Z, 1μm, 0.3s pmax pmax

GRPR comp=E, 7μm, 0.4s smax smax

GRPR comp=N, 3μm, 0.3s smax smax

LAGR Lagunnoye 6.14 270 P Pn 08 08 46.8 -0.3

LAGR Lagunnoye 6.14 270 I S Pn 08 09 52.7 -3.2

LAGR comp=E, 794nm, 0.3s pmax pmax

LAGR comp=Z, 2μm, 0.3s pmax pmax

LAGR comp=N, 1μm, 0.4s smax smax

LAGR comp=E, 11μm, 0.6s smax smax

LAGR comp=N, 3μm, 0.5s smax smax

YUK Yuzh-Kuril'sk 6.15 280 P Pn 08 08 46.4 -0.8

YUK Yuzh-Kuril'sk 6.15 280 I S Pn 08 09 52.2 -3.9

YUK comp=N, 296nm, 0.3s pmax pmax

YUK comp=E, 400nm, 0.3s pmax pmax

YUK comp=Z, 1μm, 0.3s smax smax

YUK comp=N, 6μm, 0.4s smax smax

YUK comp=E, 4μm, 0.4s MLR MLR

SHO Shikotan 6.40 340 P Pn 08 08 49.2 -1.5

SHO Shikotan 6.40 340 I S Pn 08 09 56.9 -5.5

SHO comp=Z, 227nm, 0.6s pmax pmax

SHO comp=E, 113nm, 0.3s pmax pmax

SHO comp=N, 110nm, 0.2s smax smax

SHO comp=N, 909nm, 0.3s smax smax

SHO comp=E, 2μm, 0.3s MLR MLR

SHO comp=Z, 1μm, 15.0s MLR MLR

SHO comp=E, 681nm, 14.0s MLR MLR

SHO comp=N, 1μm, 16.0s MLR MLR

TEY Ternei 7.49 330 P Pn 08 09 08.5 +2.9

TEY comp=N, 80nm, 1.0s pmax pmax

TEY comp=N, 130nm, 0.9s pmax pmax

TEY comp=Z, 150nm, 0.9s pmax pmax

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

comp=E, 460nm, 0.2s pmax pmax

TEY comp=Z, 460nm, 1.9s pmax pmax

KUR Kuril'sk 7.94 320 P Pn 08 09 11.3 -0.4

KUR Kuril'sk 7.94 320 I S Pn 08 10 37.0 -3.1

KUR comp=Z, 352nm, 0.5s pmax pmax

KUR comp=N, 55nm, 0.4s pmax pmax

KUR comp=E, 66nm, 0.4s pmax pmax

KUR comp=Z, 1μm, 1.4s smax smax

KUR comp=N, 2μm, 1.9s smax smax

KUR comp=E, 1μm, 2.3s smax smax

KUR comp=N, 923nm, 0.3s smax smax

KUR comp=E, 298nm, 0.2s MLR MLR

KUR comp=Z, 2μm, 19.0s MLR MLR

YSS Yuzh-Sakhalins 8.31 4 ePn Pn 08 09 18.0 +1.0

YSS Yuzh-Sakhalins 8.31 4 eS Pn 08 10 49.0 -0.4

YSS Yuzh-Sakhalins 8.31 4 I S Pn 08 09 17.9 +1.0

YSS Yuzh-Sakhalins 8.31 4 eP Pn 08 10 47.7 -1.7

comp=Z, 40nm, 0.5s smax smax

YSS comp=Z, 40nm, 1.2s smax smax

YSS comp=N, 230nm, 1.2s smax smax

YSS comp=E, 340nm, 1.1s MLR MLR

YSS comp=Z, 1μm, 14.0s MLR MLR

comp=N, 1μm, 16.0s MLR MLR

VLA Vladivostok 8.79 304 P Pn 08 09 23.8 +0.4

MSHR Mys Shultsa 9.05 299 P Pn 08 09 27.3 +0.3

USA0B USSuriysk Arra 9.27 310 ePn Pn 08 09 30.7 +0.7

USKR USSuriysk Arr 9.27 310 P Pn 08 09 30.3 +0.3

comp=N, 17nm, 0.3s, baz=123, slow=16, SNR=109

USKR comp=N, 1μm, 16.0s LR LR 08 12 59.5

comp=N, 2μm, 18.2s, baz=114, slow=37

JNU Nakatsue 10.50 242 P Pn 08 09 48.0 +1.1

comp=N, 5.9nm, 0.3s, baz=65, slow=7.4, SNR=40

JNU comp=N, 1μm, 21.8s, baz=50, slow=40 LR LR 08 14 19.3

JNU Nakatsue 10.50 242 ePn Pn 08 09 48.4 +1.7

MDJ Mudanjiang 10.95 307 P Pn 08 09 54.6 +1.8

MDJ Mudanjiang 10.95 307 eP Pn 08 10 02.3 -1.1

MDJ Mudanjiang 10.95 307 pP Pn 08 10 07.4 -1.0

MDJ Mudanjiang 10.95 307 S Pn 08 11 56.5 +2.4

MDJ Mudanjiang 10.95 307 sS Pn 08 12 09.3

MDJ comp=N, 210nm, 0.9s pmax pmax

MDJ comp=N, 1μm, 15.5s LR LR

MDJ comp=N, 1μm, 15.5s LR LR

MDJ comp=N, 2μm, 15.9s LR LR

MDJ Mudanjiang 10.95 307 ePn Pn 08 09 55.4 +2.4

KSRS Korea Arry 11.08 268 P Pn 08 09 56.6 +1.8

comp=N, 5.9nm, 0.3s, baz=79, slow=14, SNR=83

KS01 Wonju Array Si 11.10 268 ePn Pn 08 09 57.5 +2.5

KS15 Wonju Array Si 11.11 268 ePn Pn 08 09 58.0 +2.8

KSAR Wonju Array Be 11.11 268 P Pn 08 09 56.6 +1.4

KSAR Wonju Array Be 11.11 268 P Pn 08 09 56.6 +1.4

CBJ Chichi jima 11.53 179 ePn Pn 08 09 59.4 +1.6

CBJ Chichi jima 11.53 179 eS Pn 08 11 57.2 -1.1

JCJ Chichijima 11.53 179 P Pn 08 09 58.5 -2.6

comp=N, 16nm, 0.3s, baz=280, slow=22, SNR=14

JCJ comp=N, 34nm, 0.3s, baz=4.2, slow=22, SNR=7.9 S Pn 08 11 57.0 -1.1

GRNR Gornyy 12.71 344 P Pn 08 10 16.4 -0.6

GRNR comp=Z, 21nm, 1.0s pmax pmax

KLR Kul'dur 12.83 329 P Pn 08 10 18.0 -0.7

comp=Z, 1.0nm, 0.3s, baz=133, slow=1.1, SNR=33

KLR comp=Z, 931nm, 21.3s, baz=148, slow=36 LR LR 08 15 07.0

KLR Kul'dur 12.83 329 dP Pn 08 10 18.9 +0.2

CN2 Changchun 13.39 298 eP Pn 08 10 27.5 +1.1

CN2 13.39 298 eS Pn 08 12 56.3 +2.6

comp=Z, 1.0nm, 1.2s pmax pmax

CN2 comp=Z, 200nm, 3.0s LR LR

CN2 comp=Z, 710nm, 14.0s LR LR

CN2 comp=Z, 850nm, 14.0s LR LR

PYUN	Piuthan	49.55 276	eP	P	08 16 05.8	0.0
KBK	Karagaybulak	49.74 297	P	P	08 16 07.4	+0.4
CHMS	Chumuh	49.77 298	P	P	08 16 07.0	0.0
BRVK	Borovyoye	49.82 311	eP	P	08 16 07.3	+0.1
BRVK	Borovyoye	49.82 311	P	P	08 16 07.3	+0.1
BRVK	Borovyoye	49.82 311	iP	P	08 16 07.0	-0.2
BRVK	Borovyoye	49.82 311	c	pmax		
USP	Ospenovka	49.85 298	P	P	08 16 07.7	0.0
KULM	Kulim	49.97 239	eP	P	08 16 09.2	+0.4
KULM	Kulim	49.97 239	P	P	08 16 09.0	+0.2
AAK	Ala-Archa	50.06 297	P	P	08 16 09.7	+0.3
AAK	Ala-Archa	50.06 297	eP	P	08 16 09.3	-0.1
AAK	Ala-Archa	50.06 297	P	P	08 16 09.0	-0.4
AAK	Ala-Archa	50.06 297	iP	P	08 16 09.4	-0.1
AAK	Ala-Archa	50.06 297	c	pmax		
AAK	Ala-Archa	50.06 297	i	pmax		
KSH	Kashi	50.10 293	P	P	08 16 13.5	+3.8
KSH	Kashi	50.10 293	sP	S	08 16 28.9	+1.5
KSH	Kashi	50.10 293	PcP	PcP	08 17 33.6	+4.8
KSH	Kashi	50.10 293	S	S	08 22 21.3	+3.3
KSH	Kashi	50.10 293	sS	S	08 23 39.6	+0.7
KSH	Kashi	50.10 293	ScS	ScS	08 25 53.9	-3.4
KSH	Kashi	50.10 293	eP	pmax		
KSH	Kashi	50.10 293	P	pmax		
KSH	Kashi	50.10 293	P	pmax		
KSH	Kashi	50.10 293	P	pmax		
IPM	Iphoh	50.31 238	eP	P	08 16 11.1	-0.3
EGAK	Eagle	50.37 33	eP	P	08 16 11.9	+0.7
EKS2	Erkin-Say	50.55 298	P	P	08 16 12.9	-0.2
AML	Almayashu	50.79 297	P	P	08 16 15.8	+0.6
SOEI	Soe	50.89 203	eP	P	08 16 14.5	-1.3
DAWY	Dawson	51.24 34	eP	P	08 16 19.2	+1.4
BWNR	Bhubaneswar	51.35 266	eP	P	08 16 14.3	-4.9
EPYK	Eagle Plains	51.93 30	P	P	08 16 25.0	+2.0
DDI	Dehra Dun	52.33 281	eP	IAMB	08 16 26.0	-0.5
DDI	Dehra Dun	52.33 281	eP	IAMB	08 16 28.2	
COEN	Coen	52.35 178	eP	P	08 16 27.4	+0.9
SMLA	Simlia	52.65 283	eP	P	08 16 27.9	-0.8
KK31	Karatay Array	52.65 299	eP	P	08 16 28.4	-0.2
KK31	Karatay Array	52.65 299	eP	P	08 16 28.4	-0.2
KKAR	Karatay Array	52.65 299	eP	P	08 16 28.4	-0.2
KKAR	Karatay Array	52.65 299	eP	P	08 16 28.4	-0.2
INK	Inuvik	52.77 28	P	P	08 16 30.5	+1.4
INK	Inuvik	52.77 28	eP	P	08 16 30.4	+1.3
HYT	Haines Junctio	52.78 37	eP	P	08 16 32.0	+2.6
DHRM	DHARAMSHALA	52.80 284	eP	P	08 16 29.2	-0.9
DHAK	Deception Hill	52.86 40	eP	P	08 16 28.8	-1.1
PSI	Prapat	52.95 239	eP	P	08 16 31.0	-0.3
PSI	Prapat	52.95 239	eP	P	08 16 31.0	-0.3
PSI	Prapat	52.95 239	eP	pmax		
BKNI	Bangkok	53.43 235	eP	P	08 16 35.5	+0.9
WHY	Whitehorse	54.06 37	eP	P	08 16 41.3	+2.4
SVE	Sverdlouvs	54.19 318	iP	pmax	08 16 40.1	+0.5
SVE	Sverdlouvs	54.19 318	iP	pmax	08 16 40.1	+0.5
SVE	Sverdlouvs	54.19 318	iP	pmax	08 16 40.1	+0.5
NIL	Nilore	54.48 287	eP	P	08 16 42.6	+0.5
NIL	Nilore	54.48 287	eP	P	08 16 42.7	+0.5
NIL	Nilore	54.48 287	eP	pmax		
GSI	Gunungsitoli	54.96 239	eP	P	08 16 46.5	+0.7
ARU	Arti	55.40 318	eP	P	08 16 48.5	+0.1
ARU	Arti	55.40 318	eP	P	08 16 48.3	-0.1
ARU	Arti	55.40 318	eP	P	08 17 47.5	
ARU	Arti	55.40 318	eP	S	08 18 49.5	
ARU	Arti	55.40 318	eP	SS	08 24 33.9	+4.4
ARU	Arti	55.40 318	eP	SS	08 28 15.7	+1.7
ARU	Arti	55.40 318	eP	pmax		
ARU	Arti	55.40 318	eP	MLR		
NGP	Nagpur	56.17 271	eP	P	08 16 50.5	-3.9
BHPL	Bhopal	56.32 274	eP	IAMB	08 16 54.0	-1.6
BHPL	Bhopal	56.32 274	eP	IAMB	08 16 55.3	
ABKAR	Abkulak array	57.19 309	eP	P	08 17 00.6	-0.7
KBL	Kabul	57.20 290	eP	P	08 17 00.8	-1.0
KBL	Kabul	57.20 290	eP	P	08 17 00.8	-1.0
KBL	Kabul	57.20 290	eP	pmax		
FITZ	Fitzroy Crossi	58.48 198	eP	P	08 17 10.3	-0.3
CTAO	Charters Tower	58.58 175	eP	P	08 17 11.4	+0.2
CTAO	Charters Tower	58.58 175	eP	P	08 17 11.4	+0.2
CTAO	Charters Tower	58.58 175	eP	pmax		
HYB	Hyderabad	58.63 268	iP	P	08 17 12.0	+0.1
WRAB	Tennant Creek	58.71 188	eP	P	08 17 11.7	-0.4
WRAB	Tennant Creek	58.71 188	eP	P	08 17 11.6	-0.5
WRAB	Tennant Creek	58.71 188	eP	pmax		
WB2	Warramunga Arr	58.72 188	eP	P	08 17 10.7	-1.6
WRI	Warramunga Arr	58.72 188	eP	P	08 17 11.7	-0.6
WRA	Warramunga Arr	58.72 188	eP	P	08 17 11.7	-0.6
PRGR	Pergomogore	59.61 327	eP	P	08 17 14.8	-3.1
PRGR	Pergomogore	59.61 327	eP	pmax		
LATR	Latur	59.63 270	ex	P	08 17 01.3	
LVZ	Lovozero	60.79 336	eP	P	08 17 27.1	+1.1
LVZ	Lovozero	60.79 336	eP	P	08 17 25.4	-0.6
RES	Resolute Bay	60.94 15	P	P	08 17 27.4	+0.5
RES	Resolute Bay	60.94 15	eP	P	08 17 27.2	+0.4
APA	Apapity	61.36 336	iP	pmax	08 17 27.3	-2.5
APA	Apapity	61.36 336	iP	pmax	08 17 27.3	-2.5
APA	Apapity	61.36 336	iP	pmax	08 17 27.3	-2.5
POO	Poona	61.68 272	eP	P	08 17 31.8	-1.0
KEV	Kevo	62.06 339	eP	P	08 17 34.8	+0.4
KEV	Kevo	62.06 339	eP	P	08 17 34.8	+0.4
KEV	Kevo	62.06 339	eP	pmax		
YKW3	Yellowknife Ar	62.18 31	eP	P	08 17 36.2	+0.8
YKA	Yellowknife Ar	62.22 31	eP	P	08 17 36.4	+0.8

YKB5	Yellowknife Ar	62.22 31	eP	P	08 17 36.1	+0.5
AS01	Alice Springs	62.44 188	eP	P	08 17 37.1	-0.4
AS31	Alice Springs	62.44 188	eP	P	08 17 37.2	-0.3
ASAR	Alice Springs	62.45 188	P	P	08 17 37.5	-0.1
ASAR	Alice Springs	62.45 188	P	P	08 17 37.5	-0.1
ASAR	Alice Springs	62.45 188	P	LR	08 44 22.7	
KLMR	Klimovskoe	62.59 327	eP	P	08 17 36.6	-1.5
KLMR	Klimovskoe	62.59 327	eP	P	08 19 53.6	
KLMR	Klimovskoe	62.59 327	eP	pmax		
KLMR	Klimovskoe	62.59 327	eP	pmax		
KLMR	Klimovskoe	62.59 327	eP	AMP		
KLMR	Klimovskoe	62.59 327	eP	P	08 17 36.7	-1.4
KLMR	Klimovskoe	62.59 327	eP	P	08 17 39.6	
KLMR	Klimovskoe	62.59 327	eP	P	08 19 53.7	-2.0
ARAO	ARCESS Array S	62.61 339	eP	P	08 17 38.0	-0.2
ARCES	ARCESS Array S	62.61 339	eP	P	08 17 38.0	-0.2
ARCES	ARCESS Array S	62.61 339	eP	P	08 17 38.0	-0.2
AREO	AREO Array S	62.61 339	eP	LR	08 49 46.5	
AREO	AREO Array S	62.61 339	eP	P	08 17 38.6	+0.4
AREO	AREO Array S	62.61 339	eP	P	08 17 38.6	+0.4
AREO	AREO Array S	62.61 339	eP	P	08 17 36.6	-1.6
MBWA	Marble Bar	63.03 203	eP	P	08 17 39.6	-1.8
GEYT	Alibek	63.38 298	eP	P	08 17 43.5	-0.4
GEYT	Alibek	63.38 298	eP	P	08 17 43.5	-0.4
GEYT	Alibek	63.38 298	eP	LR	08 47 03.2	
GEYT	Alibek	63.38 298	eP	LR	08 47 03.2	
GOA0B	ALIBECK ARRAY	63.38 298	eP	P	08 17 43.8	-0.1
GOA	Goa	63.44 269	eP	P	08 17 43.6	-0.8
TULEG	Thule	63.44 8	eP	P	08 17 43.5	-0.1
KTK1	Kautokkeino	63.57 339	eP	P	08 17 44.7	+0.1
DAG	Danmarks Havn	64.19 355	iP	P	08 17 48.3	-0.2
DAG	Danmarks Havn	64.19 355	iP	P	08 17 48.3	-0.2
DAG	Danmarks Havn	64.19 355	iP	pmax		
EIDS	Eidsvoll	64.27 171	eP	P	08 17 50.6	+1.1
TRO	Tromso	64.30 341	eP	P	08 17 49.4	+0.1
DZM	Mont Dzumac	64.65 155	eP	P	08 17 54.5	+2.3
DZM	Mont Dzumac	64.65 155	eP	LR	08 37 14.1	
DZM	Mont Dzumac	64.65 155	eP	LR	08 37 14.1	
NLWA	Neilton Lookou	65.35 48	eP	P	08 17 59.4	+2.8
D03D	Eidsvoll	65.73 48	P	P	08 18 01.5	+2.5
MOS	Moscow	66.17 323	eP	P	08 18 00.8	-0.8
MOS	Moscow	66.17 323	eP	P	08 18 16.3	
MOS	Moscow	66.17 323	eP	pmax		
E04D	Cinebar	66.54 48	P	P	08 18 06.9	+2.7
VRH	Novokhopovorsk	66.63 318	eP	P	08 18 03.7	-0.9
VRH	Novokhopovorsk	66.63 318	eP	P	08 20 27.9	
VRH	Novokhopovorsk	66.63 318	eP	pmax		
VRH	Novokhopovorsk	66.63 318	eP	MLR		
LON	Longmir	66.88 48	eP	P	08 18 08.1	+1.7
LON	Longmir	66.88 48	eP	P	08 18 08.1	+1.7
LON	Longmir	66.88 48	eP	pmax		
LON	Longmir	66.88 48	eP	pmax		
OBN	Obninsk	67.02 323	iP	P	08 18 06.8	-0.2
OBN	Obninsk	67.02 323	iP	P	08 18 30.6	
OBN	Obninsk	67.02 323	iP	P	08 20 35.8	
OBN	Obninsk	67.02 323	iP	S	08 27 14.8	+1.8
OBN	Obninsk	67.02 323	iP	pmax		
OBN	Obninsk	67.02 323	iP	MLR		
LTY	Liberty	67.27 47	eP	P	08 18 10.5	+1.6
LPSR	Galich'ya Gora	67.30 320	eP	P	08 18 08.0	-0.9
LPSR	Galich'ya Gora	67.30 320	eP	pmax		
B08A	Colville Reser	67.43 46	eP	P	08 18 11.2	+1.4
FA1A	FINESS Array S	67.55 332	eP	P	08 18 10.3	0.0
FA1A	FINESS Array S	67.55 332	eP	P	08 18 09.4	-0.9
FA1A	FINESS Array S	67.55 332	eP	P	08 18 09.4	-0.9
FA1A	FINESS Array S	67.55 332	eP	P	08 18 09.4	-0.9
FINES	FINESS Array B	67.55 332	iP	LR	08 50 44.1	
FINES	FINESS Array B	67.55 332	iP	P	08 18 10.1	-0.2
FINES	FINESS Array B	67.55 332	iP	pmax		
VSR	Storozhevoye	67.96 319	eP	P	08 18 12.1	-1.0
VSR	Storozhevoye	67.96 319	eP	pmax		
VSR	Storozhevoye	67.96 319	eP	MLR		
VSR	Storozhevoye	67.96 319	eP	MLR		
MOR	Moi Rana	67.97 340	eP	P	08 18 11.4	-1.5
C09A	Chrisman Ranch	68.33 46	eP	P	08 18 16.9	+1.4
D08A	Wollman Farm	68.38 47	eP	P	08 18 17.6	+1.9
F07A	Phinny Hill Vi	68.44 48	eP	P	08 18 18.4	+2.2
NEW	Newport	68.71 45	eP	P	08 18 19.4	+1.5
NEW	Newport	68.71 45	eP	P	08 18 19.4	+1.5
NEW	Newport	68.71 45	eP	pmax		
NEW	Newport	68.71 45	eP	pmax		
NEW	Newport	68.71 45	eP	P	08 18 19.3	+1.4
YBH	Yreka Blue Hor	69.06 53	eP	P	08 18 22.9	+2.7
YBH	Yreka Blue Hor	69.06 53	eP	P	08 18 22.9	+2.7
YBH	Yreka Blue Hor	69.06 53	eP	pmax		
SUMG	Summit	69.06 0	eP	P	08 18 21.2	+1.1
SUMG	Summit	69.06 0	eP	P	08 18 21.0	+0.9
SUMG	Summit	69.06 0	e			

21d 8h

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, etc. Includes stations like EDW2, TCUT, BW06, etc.

2012 DEC

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, etc. Includes stations like CLL, CLL, VRC, etc.

1048

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, etc. Includes stations like TBI, KEST, ESDC, etc.

KRSC 21 08:09:38.9z,1.5,54.75N,162.25E,h36km,10km,ML3.7, Near east coast of Kamchatka Peninsula

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

ISCJB 21 08:15:48.3z,1.7,34.81S,0.75,72.4W,0.1,h10km,8km, Error ellipse: s-maj=14.4km s-min=7.2km az=17.0

GUC 21 08:15:48.6z,0.4,34.77S,72.44W,h8km,9km,ML3.5

ISC 21 08:15:47.3z,3.2,34.80S,0.07,72.5W,0.1,h5km,15km,n12, r171/22,3C-1D,Near coast of central Chile

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

ISCJB 21 08:22:50.7z,0.9,54.77N,0.02,162.42E,0.08,h27km,6km, mb3.3/6, Error ellipse: s-maj=8.2km s-min=3.1km az=21.6

KRSC 21 08:22:50.1z,0.9,54.76N,162.35E,h33km,11km,ML4.1

MOS 21 08:22:51.6z,0.6,54.80N,162.35E,h42km,mb4.2/1, Error ellipse: s-maj=10.2km s-min=5.5km az=77.3

IDC 21 08:22:54.5z,3.9,54.81N,161.99E,h56km,36km,mb3.1/6, mb1.3/4.7, mb1mx3.1/4.3, mb2mx3.1/4.2, Error ellipse: s-maj=31.0km s-min=21.8km az=134.0

ISC 21 08:22:50.1z,3.5,54.82N,0.03,162.40E,0.06,h18km,9km, n69,r1502/17,mb3.3/6,Near east coast of Kamchatka Peninsula

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

NOA NORSAR Array B 5.74 290 Pn Pn 09 41 04.6 -2.1
ARCES ARCES Array B 10.09 6 Pn Pn 09 42 03.1 -3.2

Code Station Name Delta AZ Phase ID Time Res
DZM Mont Dzumac 9.98 182 Op Pn 09 49 35.1 +0.3

WRA Warramunga Arr 32.19 252 P P 09 53 11.9 -1.1
ASAR Alice Springs 33.25 245 P P 09 53 22.6 -0.3
FITZ Fitzroy Crossi 40.20 256 P P 09 54 20.3 +0.2

SOME 21 09:49:49.8, 48:77'N, 77:65'E, h5km
NCC 21 09:49:54.6, 5.0, 48:70'N, 78:32'E, h0km, mb2.8, mpv2.4,

Code Station Name Delta AZ Phase ID Time Res
KURBB Kurchatov Arra 2.09 15 Op Pn 09 50 26.7 -0.3

KURK Kurchatov 2.20 16 Pn Pn 09 50 29.1 +0.3
MAKZ Makanchi Arr 3.42 120 P P 09 50 53.1 -0.5
MAKZ 1.2nm, 0.5s IJLg Lg 09 51 34.1

NIED 21 09:52:00.36, 80'N, 138:70'E, h5km, Mw3.9 Best double
couple: M7.80000, 1014, NP138.80, 00000, 866.00000,

Code Station Name Delta AZ Phase ID Time Res
WRA Warramunga Arr 18.60 128 Op Pn 10 28 21.6 +0.8

ASAR Alice Springs 20.61 137 P P 10 28 42.5 0.0
ASAR 0.5nm, 0.9s, baz=308, slow=2, SNR=4.0
ASAR 0.4nm, 0.3s, baz=307, slow=1.7, SNR=6.6

Code Station Name Delta AZ Phase ID Time Res
CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4

ASAJ Asahikawa 16.43 5 Pn Pn 10 35 51.2 +0.8
USRK Utsuryak Arr 17.85 339 P P 10 36 04.7 +0.4

Code Station Name Delta AZ Phase ID Time Res
GUMU Guman 3.00 198 P Pn 10 53 17.8 +0.6

ASAJ Asahikawa 16.43 5 Pn Pn 10 35 51.2 +0.8
USRK Utsuryak Arr 17.85 339 P P 10 36 04.7 +0.4

Code Station Name Delta AZ Phase ID Time Res
GUMU Guman 3.00 198 P Pn 10 53 17.8 +0.6

ASAJ Asahikawa 16.43 5 Pn Pn 10 35 51.2 +0.8
USRK Utsuryak Arr 17.85 339 P P 10 36 04.7 +0.4

Code Station Name Delta AZ Phase ID Time Res
GUMU Guman 3.00 198 P Pn 10 53 17.8 +0.6

ASAJ Asahikawa 16.43 5 Pn Pn 10 35 51.2 +0.8
USRK Utsuryak Arr 17.85 339 P P 10 36 04.7 +0.4

Code Station Name Delta AZ Phase ID Time Res
GUMU Guman 3.00 198 P Pn 10 53 17.8 +0.6

ASAJ Asahikawa 16.43 5 Pn Pn 10 35 51.2 +0.8
USRK Utsuryak Arr 17.85 339 P P 10 36 04.7 +0.4

Code Station Name Delta AZ Phase ID Time Res
GUMU Guman 3.00 198 P Pn 10 53 17.8 +0.6

ASAJ Asahikawa 16.43 5 Pn Pn 10 35 51.2 +0.8
USRK Utsuryak Arr 17.85 339 P P 10 36 04.7 +0.4

Code Station Name Delta AZ Phase ID Time Res
GUMU Guman 3.00 198 P Pn 10 53 17.8 +0.6

ASAJ Asahikawa 16.43 5 Pn Pn 10 35 51.2 +0.8
USRK Utsuryak Arr 17.85 339 P P 10 36 04.7 +0.4

Code Station Name Delta AZ Phase ID Time Res
GUMU Guman 3.00 198 P Pn 10 53 17.8 +0.6

MSF Sodankylä 2.71 270 SB Pn 10 02 52.5 +0.6
SGF 2.71 270 PB Pn 10 02 19.1 +1.7

SGF Rovaniemi 3.12 255 SB Pn 10 02 59.0 -0.7
RNF 3.12 255 SN Pn 10 03 05.9 -1.5

ARAO ARCES Array S 3.24 315 PB Pn 10 02 24.6 +0.1
ARAO 3.24 315 SG Sn 10 03 05.6 +1.9

ARAO ARCES Array S 3.24 315 eP Pn 10 02 24.8 +0.2
ARAO 3.24 315 eP Sn 10 02 28.3 -0.5

ARAO ARCES Array S 3.55 307 Pn Pn 10 02 28.3 -0.5
ARAO 3.55 307 Lg Lg 10 02 28.3 -0.5

ARAO ARCES Array S 3.55 307 Pn Pn 10 02 28.3 -0.5
ARAO 3.55 307 Lg Lg 10 02 28.3 -0.5

AREO ARCES Array S 3.55 307 Pn Pn 10 02 28.7 -0.1
AREO 3.55 307 IAML Pn 10 03 29.4

HEF Hetta 3.82 287 Pn Pn 10 02 33.1 +0.5
HEF 3.82 287 SG Pn 10 03 34.1 -1.0

HEF Hetta 3.82 287 Pn Pn 10 02 32.8 +0.2
TOF Tomio 3.95 229 Pn Pn 10 02 36.0 +1.5

KTK1 Kautokeino 4.09 295 Pn Pn 10 03 42.6
KALLU 4.41 252 Pn Pn 10 02 42.3 +1.7

LANU Lannavaara 4.42 281 Pn Pn 10 02 40.8 0.0
LANU 4.42 281 SG Pn 10 03 53.6 -0.8

KIF Kilpisjärvi 4.95 292 Pn Pn 10 02 48.9 +0.9
FIAO FINES Array S 6.97 211 Pn Pn 10 03 16.9 +1.1

FIAO FINES Array S 6.97 211 Pn Pn 10 03 16.9 +1.1
FIAO 6.97 211 Lg Lg 10 03 16.9 +1.1

FIAO FINES Array S 6.97 211 Pn Pn 10 03 16.9 +1.1
FIAO 6.97 211 Lg Lg 10 03 16.9 +1.1

FIAO FINES Array S 6.97 211 Pn Pn 10 03 16.9 +1.1
FIAO 6.97 211 Lg Lg 10 03 16.9 +1.1

FIAO FINES Array S 6.97 211 Pn Pn 10 03 16.9 +1.1
FIAO 6.97 211 Lg Lg 10 03 16.9 +1.1

NOA NORSAR Array B 11.66 246 Pn Pn 10 04 19.6 -0.4
NOA 11.66 246 Pn Pn 10 04 19.6 -0.4

Code Station Name Delta AZ Phase ID Time Res
WRA Warramunga Arr 18.60 128 Op Pn 10 28 21.6 +0.8

ASAR Alice Springs 20.61 137 P P 10 28 42.5 0.0
ASAR 0.5nm, 0.9s, baz=308, slow=2, SNR=4.0

ASAR 0.4nm, 0.3s, baz=307, slow=1.7, SNR=6.6
PSI Prapat 23.00 299 LR LR 10 38 31.8

SONM Songino Array 54.92 350 P P 10 33 48.9 +0.7
MKAR Makanchi Arr 64.25 333 P P 10 34 32.1 -1.6

Code Station Name Delta AZ Phase ID Time Res
CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4

CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4
CBLJ 1.50 114 eS Pn 10 33 18.0 -3.9

CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4
CBLJ 1.50 114 eS Pn 10 33 18.0 -3.9

CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4
CBLJ 1.50 114 eS Pn 10 33 18.0 -3.9

CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4
CBLJ 1.50 114 eS Pn 10 33 18.0 -3.9

CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4
CBLJ 1.50 114 eS Pn 10 33 18.0 -3.9

CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4
CBLJ 1.50 114 eS Pn 10 33 18.0 -3.9

CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4
CBLJ 1.50 114 eS Pn 10 33 18.0 -3.9

CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4
CBLJ 1.50 114 eS Pn 10 33 18.0 -3.9

CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4
CBLJ 1.50 114 eS Pn 10 33 18.0 -3.9

CBLJ Chichi jima 1.50 114 Op Pn 10 32 50.4 -1.4
CBLJ 1.50 114 eS Pn 10 33 18.0 -3.9

GUN Gumba 48.09 284 eP P 10 40 29.1 +0.3
ZALV Zalesovo Beam 48.12 319 P P 10 40 28.4 +0.2

DMN Dama 48.83 284 eP P 10 40 34.0 -0.3
DANN Danging 49.81 285 eP P 10 40 42.0 +0.3

KOLN Kolanda 50.08 284 eP P 10 40 43.7 0.0
PYUN Pyun 50.53 285 eP P 10 40 47.1 +0.1

ASAR Alice Springs 51.51 188 P P 10 40 53.5 -0.4
KURBB Kurchatov Arra 51.63 314 P P 10 40 53.7 -0.8

ILAR Eielson Array 57.81 29 P P 10 41 40.5 +1.9
INK Inuk 63.02 25 P P 10 42 15.2 +1.7

YKA Yellowknife Arr 72.23 28 P P 10 43 13.0 +2.0
ARCES ARCES Array B 72.50 340 P P 10 43 13.1 +0.5

FINES FINES Array B 75.76 333 P P 10 40 37.0 -0.1
NVAR Mina Array Brea 81.19 51 P P 10 44 03.7 +1.9

AKASG Malin Array Be 81.30 336 P P 10 44 00.5 -1.4
NB2 NORSAR Subarra 82.52 338 P P 10 44 07.5 -0.5

NOA NORSAR Array B 82.52 338 P P 10 44 07.6 -0.4
BRTR Keskin Arr B 84.58 312 P P 10 44 19.1 0.0

PDAR Pinedale Array 84.71 44 P P 10 44 21.9 +2.1
ULM Lac du Bonnet 87.65 32 P P 10 44 35.1 +1.5

Code Station Name Delta AZ Phase ID Time Res
JJKH Ishinomakiboku 1.87 290 Op Pn 10 43 51.8 -0.3

JIO Ouri 2.01 293 P Pn 10 43 53.8 -0.5
JIO 2.01 293 S Pn 10 44 17.6 -1.5

JJKM Kesennumotoy 2.08 303 P Pn 10 43 54.8 -0.7
JKMT 2.08 303 eS Pn 10 44 19.1 -2.0

OFUJ Ofunato 2.11 311 eS Pn 10 44 23.5 +1.9
OFUJ 2.11 311 eS Pn 10 44 20.1 -2.0

JMK Ichinoseki 2.32 303 P Pn 10 43 58.4 -1.3
JOM Ohasama 2.59 314 P Pn 10 43 52.5 -1.8

JOM Otama 2.69 267 eS Pn 10 44 03.4 +2.6
JFT 2.69 267 eS Pn 10 44 34.4 +1.4

JYK Kaneyama 2.90 296 P Pn 10 44 07.1 -2.5
JANG Nango 3.21 328 eS Pn 10 44 45.6 +0.8

JAG Ashikaga 3.64 251 P Pn 10 44 16.0 +2.1
BSO1 Boso 1 3.76 217 P Pn 10 44 15.8 +0.7

JRY Ryogami san 4.21 248 P Pn 10 44 23.6 +1.9
JOD2 Odawara 2 4.45 238 P Pn 10 44 26.1 +0.9

JOD2 Odawara 2 4.45 238 P Pn 10 44 26.1 +0.9
MJAR Matsushiro Arr 4.55 257 Pn Pn 10 45 14.9 -1.6

MAT Matsushiro 4.55 257 eS Pn 10 45 30.4 +4.0
MAT 4.55 257 eS Pn 10 45 19.2 -0.2

JCH Churui 4.91 357 P Pn 10 44 34.4 +3.0
JCH 4.91 357 eS Pn 10 45 27.6 -0.2

JHJ Hachijo jima 2 5.59 216 Pn Pn 10 44 41.0 +0.3
JHJ 3.3nm, 0.3s, baz=348, slow=2, SNR=7.7

JHJ 4.1nm, 0.3s, baz=291, slow=1.4, SNR=3.1
NEM2 Nemuro 2 5.86 15 P Pn 10 44 45.2 +0.8

NEM2 Nemuro 2 5.86 15 P Pn 10 44 45.2 +0.8
ASAJ Asahikawa 6.46 353 LR Pn 10 45 49.0 -2.3

ASAJ 6.46 353 LR Pn 10 45 49.0 -2.3
MKAR Makanchi Arry 45.31 302 P P 10 51 36.7 +1.4

WRA Warramunga Arr 58.01 190 P P 10 53 11.2 +0.9
WRA 58.01 190 P P 10 53 11.2 +0.9

ASAR Alice Springs 61.74 190 P P 10 53 37.8 +1.9
ASAR 61.74 190 P P 10 53 37.8 +1.9

Code Station Name Delta AZ Phase ID Time Res
URZ Urewera 17.74 192 Op Pn 10 51 40.0 +0.2

CRTA Charles Tower 33.17 285 P P 10 54 00.4 -0.8
STKA Stephens Creek 37.35 245 P P 10 54 33.7 -0.5

ASAR Alice Springs 44.14 257 P P 10 55 28.6 -0.4
WRA Warramunga Arr 44.26 263 P P 10 55 29.1 -0.8

FITZ Fitzroy Crossi 52.69 263 P P 10 56 33.6 +0.5
AKASG Malin Array B 143.23 331 PKP PKPdf 11 06 43.3 -0.6

Code Station Name Delta AZ Phase ID Time Res
CMIG Matias Romero 0.30 349 i P Pn 10 49 16.0 -1.1

CMIG 0.30 349 i P Pn 10 49 27.5 -2.1

HUIG Tuzandepeti 1.29 137 eS Pn 10 49 23.3 -2.0

HUIG Huatulo 1.60 231 eP Pn 10 49 27.5 -1.4

PNIG Pinotepa 3.19 263 eP Pn 10 49 47.7 -1.6

Code Station Name Delta AZ Phase ID Time Res
GUMU Guman 3.00 198 P Pn 10 53 17.8 +0.6

GUMU 3.00 198 P Pn 10 53 17.8 +0.6

JOW Kunigami 19.27 305 P Pn 10 56 45.1 -0.3

H1S3 WAKE ISLAND Hy 20.02 81 T Pn 11 17 36.9

H1S1 WAKE ISLAND Hy 20.03 81 T Pn 11 17 43.3

H1S2 WAKE ISLAND Hy 20.03 81 T Pn 11 17 38.1

H1N1 WAKE ISLAND Hy 20.30 78 T Pn 11 18 00.2

H1N2 WAKE ISLAND Hy 20.30 78 T Pn 11 18 00.8

H1N3 WAKE ISLAND Hy 20.31 78 T Pn 11 18 00.6

MJAR Matsushiro Arr 21.10 343 P Pn 10 57 02.1 -0.3

KSR Korea Array 26.20 326 P Pn 10 57 51.6 +1.2

KLK 2.0nm, 1.1s, baz=143, slow=10.0, SNR=4.3

KLK 2.0nm, 1.1s, baz=143, slow=10.0, SNR=4.3

Code Station Name Delta AZ Phase ID Time Res
GUMU Guman 3.00 198 P Pn 10 53 17.8 +0.6

GUMU 3.00 198 P Pn 10 53 17.8 +0.6

JOW Kunigami 19.27 305 P Pn 10 56 45.1 -0.3

H1S3 WAKE ISLAND Hy 20.02 81 T Pn 11 17 36.9

H1S1 WAKE ISLAND Hy 20.03 81 T Pn 11 17 43.3

H1S2 WAKE ISLAND Hy 20.03 81 T Pn 11 17 38.1

H1N1 WAKE ISLAND Hy 20.30 78 T Pn 11 18 00.2

H1N2 WAKE ISLAND Hy 20.30 78 T Pn 11 18 00.8

H1N3 WAKE ISLAND Hy 20.31 78 T Pn 11 18 00.6

MJAR Matsushiro Arr 21.10 343 P Pn 10 57 02.1 -0.3

KSR Korea Array 26.20 326 P Pn 10 57 51.6 +1.2

KLK 2.0nm, 1.1s, baz=143, slow=10.0, SNR=4.3

KLK 2.0nm, 1.1s, baz=143, slow=10.0, SNR=4.3

Code Station Name Delta AZ Phase ID Time Res
GUMU Guman 3.00 198 P Pn 10 53 17.8 +0.6

GUMU 3.00 198 P Pn 10 53 17.8 +0.6

JOW Kunigami 19.27 305 P Pn 10 56 45.1 -0.3

H1S3 WAKE ISLAND Hy 20.02 81 T Pn 11 17 36.9

H1S1 WAKE ISLAND Hy 20.03 81 T Pn 11 17 43.3

H1S2 WAKE ISLAND Hy 20.03 81 T Pn 11 17 38.1

H1N1 WAKE ISLAND Hy 20.30 78 T Pn 11 18 00.2

H1N2 WAKE ISLAND Hy 20.30 78 T Pn 11 18 00.8

H1N3 WAKE ISLAND Hy 20.31 78 T Pn 11 18 00.6

MJAR Matsushiro Arr 21.10 343 P Pn 10 57 02.1 -0.3

KSR Korea Array 26.20 326 P Pn 10 57 51.6 +1.2

KLK 2.0nm, 1.1s, baz=143, slow=10.0, SNR=4.3

KLK 2.0nm, 1.1s, baz=143, slow=10.0, SNR=4.3

Code Station Name Delta AZ Phase ID Time Res
GUMU Guman 3.00 198 P Pn 10 53 17.8 +0.6

GUMU 3.00 198 P Pn 10 53 17.8 +0.6

JOW Kunigami 19.27 305 P Pn 10 56 45.1 -0.3

H1S3 WAKE ISLAND Hy 20.02 81 T Pn 11 17 36.9

H1S1 WAKE ISLAND Hy 20.03 81 T Pn 11 17 43.3

H1S2 WAKE ISLAND Hy 20.03 81 T Pn 11 17 38.1

H1N1 WAKE ISLAND Hy 20.30 78 T Pn 11 18 00.2

H1N2 WAKE ISLAND Hy 20.30 78 T Pn 11 18 00.8

H1N3 WAKE ISLAND Hy 20.31 78 T Pn 11 18 00.6

MJAR Matsushiro Arr 21.10 343 P Pn 10 57 02.1 -0.3

KSR Korea Array 26.20 326 P Pn 10 57 5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like WRA Warramunga Arr, FITZ Fitzroy Crossi, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like KIL Karymskiy, KLY Klyuchi, SMKR Semkarok, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like mb1 3.7/1.1, mb1mx3.5/29, mbtmp4.2/11, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like ISK 21 11:09:23.9, ISK 21 11:09:24.5, DDA 21 11:09:25.1, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like GNL Ganaly, KRMR Karymskiy, RUS Russkaya, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like FSA Cafayete, PB15 IPOC Station P, PB06 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like ISK 21 11:17:32.4, IDC 21 11:17:32.1, MEX 21 11:17:35.2, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like SIJI Sorong, BATI Baumata, BATI Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like AR0D Rodeo, MRA San Martin, PLCA Paso Flores, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like SKR Severo-Kuril's, PAU Pauthetka, KDR Khotutka, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like SNAA Sanae, TXAR Lajitas Array, LIC Lamto, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like MKZ Mys Kozlova, TUMR Tumrok D, KZV Kizimen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like HBST Basata, HNKL Nakhli, HKAT Jabal Katrina, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like MAN 21 12:31:37.4, MEX 21 12:41:09.9, UNCR Uncukul, etc.

Table with columns: ARKR, Arakani, 0.21 139, iPG, Pg, 12.46 12.00 +0.2, 12.46 16.5 +1.8, etc.

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

KOZT URFA Urfa 1.59 124 SN Pn 12.48 54.4 +1.3 12.48 37.4 -0.1

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

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

NIED 21 13:00:00, 38°10'N, 143°30'E, h14km, Mw3.8 Best double couple: Ms5.2000x1014 NP1:38.189.00000, 840.00000, 7.50.00000

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

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

Table with columns: JAG BSO1 Boso 1 3.88 209 Pn 13.02 25.6 0.0 13.01 49.7 -1.0 13.01 58.4 +1.4

GUC 21 13:45:43.6: 0.7, 28:10Sx71:29W, h20km, 7km, ML3.4

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

IDC 21 14:06:38.1: 1.9, 27:8S; 126:74E, h0km, mb3.4/2, mb1 3.5/3, mb1mx3.2/3k, mbtmp3.3/3, ML3.3/1, Error ellipse: s-maj=157.8km s-min=28.1km az=68.0, Ceram Sea

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

DJA 21 14:42:33.8: 0.3, 7:3S; 129:2E, h14km, 8km, M4.4/1, mb4.7/6, mb4.3/11, MLv4.8/11, Mw(mh)3.9/6, Banda Sea

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

21d 20h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SLBS Sierra La Lagu, CGIG Douglas, 319A Organ Pipe Nat, etc.

2012 DEC

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

1060

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like V51A Loudon, TKL Tuckaleechee C, TKL Tuckaleechee C, etc.

az=62.0
 ISCJB 21 20:43:41.2,0.6,24:31N,0:09:123:50E:0:04,h55km,4km,
 mb3.4/6,MS3.4/2,Error ellipse: s-maj=14.8km
 s-min=5.9km az=5.3
 JMA 21 20:43:42.5,0.2,24:35N:123:52E,h47km,2km,M3.3
 ISC 21 20:43:42.1,0.8,24:32N:0:09:123:51E:0:04,h48km,7km,
 n16,c0570/22,mb3.5/6,Southern Ryukyu Islands

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
IRIF	Iriomote-Funau	0.21	84	P	Op	20 43 50.4	+0.1
IRIF				S	Sn	20 43 56.2	+0.1
HATJ	Hateruma jima	0.38	133	P	Op	20 43 52.0	+0.2
HATJ				S	Sn	20 43 59.0	+0.3
JKRS	Kuro-shima	0.47	99	P	Op	20 43 53.2	+0.4
JKRS				S	Sn	20 44 00.6	+0.1
YOJ	Yonaguni jima	0.47	288	P	Op	20 43 53.3	+0.4
YOJ				S	Sn	20 44 00.5	-0.1
JYNG	Yonagunijimaku	0.53	285	P	Op	20 43 53.9	+0.3
JYNG				S	Sn	20 44 01.1	-0.7
JIJ	Ishigaki jima	0.58	85	P	Op	20 43 54.4	+0.2
JIJ				S	Sn	20 44 01.4	-1.5
JISG	Ishigakijimahi	0.78	70	P	Op	20 43 57.0	+0.2
JISG				S	Sn	20 44 06.2	-1.4
JTJ	Tarama	1.14	73	P	Op	20 44 02.2	+0.6
JTJ				S	Sn	20 44 17.1	+1.0
CMAR	Chiang Mai Arr	23.59	260	LR	Comp	20 57 31.2	
SONM	Songino Array	27.12	334	P	Op	20 49 21.5	+0.9
BRDH	Bariadhala	29.23	273	LR	Comp	21 02 25.7	
MKAR	Makanchi Array	39.73	315	P	Op	20 51 09.5	-0.4
ZALV	Zalesovo Beam	41.30	326	P	Op	20 51 23.2	+0.5
WRA	Warramunga Arr	45.24	166	P	Op	20 51 54.5	-0.3
GEYT	Alibeck	56.56	301	P	Op	20 53 19.2	-0.7
YKA	Yellowknife Ar	82.02	23	P	Op	20 55 56.7	0.0

ISCJB 21 21:05:52.0,0.5,45:20N,0:04:106:93W:0:05,h0km,Error
 ellipse: s-maj=6.5km s-min=4.6km az=148.2
 IDC 21 21:05:51.8,1.2,45:09N:107:12W,h0km,mb1 3.4/3,
 mb1 mx3.3/3.1,mbmp3.2/3,ML2.5/2,Error ellipse:
 s-maj=52.4km s-min=7.5km az=131.0
 NEIC 21 21:05:52.0,0.6,45:15N:106:95W,h0km,MN3.0,Error
 ellipse: s-maj=10.0km s-min=7.5km az=151.0,Suspected
 Mining explosion.

NEIC 37 km [23 miles] N of Sheridan.
 ANF 21 21:05:52.0,0.5,45:18N:106:97W,ML3.1/7,Error ellipse:
 s-maj=8.6km s-min=4.9km az=172.0
 ISC 21 21:05:50.3,0.8,45:06N:0:04:106:85W:0:03,h0km,n19,
 c138/29,Montana

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
LAO	LASA Array	1.69	15	Op	ISC	21 06 21.7	+0.5
LAO				Pb	Pb	21 06 42.9	-0.6
LAO	LASA Array	1.69	15	P	Pb	21 06 21.7	-0.5
RLMT	Red Lodge	1.71	273	ePn	Pb	21 06 22.2	-0.6
RLMT	Red Lodge	1.71	273	P	Pb	21 06 21.9	+0.3
RLMT				S	Sg	21 06 44.7	-0.5
RSSD	Black Hills	2.22	114	ePn	Pb	21 06 31.5	+0.1
RSSD				eS	Sg	21 07 02.0	+0.4
RSSD	Black Hills	2.22	114	P	Pb	21 06 31.7	+0.3
RSSD				S	Sg	21 07 02.4	+0.8
LKWY	Lake	2.57	260	Pn	Pb	21 06 34.6	+1.2
H17A	Grant Village	2.74	257	P	Pb	21 06 39.4	-0.8
H17A				Sb	Sb	21 07 15.8	+1.4
BW06	Boulder Array	3.01	221	ePn	Pb	21 06 42.2	-2.7
BW06				Sb	Pb	21 07 21.3	-1.0
BW06	Boulder Array	3.01	221	P	Pb	21 06 43.2	-1.7
PDAR	Pinedale Array	3.01	221	Pn	Pb	21 06 43.4	-1.6
PDAR				Lg	Lg	21 07 21.9	
BOZ	Bozeman (W)	3.41	281	ePn	Pb	21 06 45.0	+0.2
BOZ				ePn	Pb	21 06 51.7	+0.1
BOZ	Bozeman (W)	3.41	281	eS	Sb	21 07 36.2	+2.5
BOZ				Pn	Pn	21 06 44.9	+0.1
EGMT	Eagleton	3.58	327	ePn	Pb	21 06 47.7	+0.6
EGMT				eS	Sg	21 07 45.5	+0.3
DGMT	Dagmar	3.87	27	ePn	Pb	21 06 52.6	+1.6
DGMT				eS	Sb	21 07 42.7	-4.1
DGMT	Dagmar	3.87	27	P	Pn	21 06 52.6	+1.6
HWUT	Hardware Ranch	4.87	227	ePn	Pb	21 07 05.5	+0.5
ULM	Lac du Bonnet	9.04	51	Pn	Pn	21 08 02.5	+0.5
ULM				Lg	Lg	21 10 36.8	
YKA	Yellowknife Ar	18.03	348	P	P	21 10 02.3	-0.2

DDA 21 21:08:20.3,38:97N:43:79E,h7km,ML2.5
 ISC 21 21:08:19.6,5.3,39:0N:0:2:43:79E:0:09,h15km,23km,n5,
 c0556/10,Turkey

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
VMUR	Van-Muradiye	0.18	279	iP	Pg	21 08 24.0	-0.1
VMUR				iS	Sg	21 08 27.2	+0.1
CLDR	Caldiran	0.20	28	iP	Pg	21 08 27.7	+0.1
CLDR				iS	Sg	21 08 27.8	-0.2
CLDR	Caldiran	0.20	28	iP	Pg	21 08 24.6	0.0
CLDR				iS	Sg	21 08 28.2	+0.2
DYDN	Diyadin	0.59	352	iP	Pg	21 08 30.6	-0.8
DYDN				iS	Sg	21 08 40.0	+0.9
AGRB	Hanur-Agry	0.87	315	ePn	Pb	21 08 37.1	+0.4
AGRB				eSg	Sg	21 08 47.7	-0.5

SOME 21 21:16:17.2,42:20N:81:55E,h20km
 NNC 21 21:16:20.9,1.6,42:17N:81:41E,h0km,mb3.7,mpv3.3,
 Error ellipse: s-maj=14.3km s-min=10.4km az=171.0
 ISC 21 21:16:25.4,2.3,42:40N:0:09:81:37E:0:08,h10km,n26,
 c2533/44,6C-12D,Northern Xinjiang

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
PDGK	Podgornoye	1.67	305	Op	ISC	21 16 53.5	-1.3
PDGK				Op	Op	21 17 19.0	+1.5
UZB	Uzymbulak	1.89	294	eP	Pn	21 16 56.5	-1.3
UZB				eS	Sb	21 17 25.0	+1.3
DJR	Jarkent	2.25	330	eP	Pn	21 17 02.9	0.0
DJR				eS	Sb	21 17 35.9	+1.7
SATY	Saty	2.29	288	eP	Pn	21 17 02.5	-0.8
SATY				eS	Sb	21 17 35.2	+0.1
ZHN	Zhinshike	2.30	291	eP	Pn	21 17 03.3	-0.2
ZHN				eS	Sb	21 17 36.5	+1.0
KURS	Kuram	2.59	296	eP	Pn	21 17 06.0	-1.4
KURS				eS	Sn	21 17 40.9	+1.8
ARXS	Arharly	3.16	306	eP	Pb	21 17 19.6	-2.1
ARXS				eS	Sg	21 18 04.9	-2.1
KAPS	Kapalarasan	3.24	334	eP	Pn	21 17 17.5	+1.2

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
KAPS	Kotrybulak	3.25	286	eP	Pn	21 17 00.8	-1.7
KOTS				eS	Sb	21 17 17.1	+0.6
KOTS				eS	Sb	21 18 00.4	-2.4
MDOK	Medeo	3.28	285	Pn	Pn	21 17 15.6	-1.3
MDOK				Lg	Lg	21 18 07.7	
MDOK	Medeo	3.28	285	eP	Pb	21 17 20.1	-3.6
MDOK				eS	Sb	21 18 05.2	+1.5
TNSS	Tian-Shan	3.33	283	eP	Pb	21 17 22.0	-2.7
TNSS				eS	Sb	21 17 08.6	+3.3
KNDC	Almaty	3.35	286	Op	Pn	21 18 13.6	-4.2
KNDC				Op	Op	21 18 09.0	
CHKK	Chushkaly	3.53	296	eP	Pb	21 17 25.2	-2.6
CHKK				eS	Sb	21 18 13.9	+3.1
KTBS	Karabote	3.68	293	eP	Pb	21 17 28.2	-2.4
KTBS				eS	Sb	21 18 19.3	+4.1
MTBS	Maitube	3.71	283	eP	Pn	21 17 25.5	+2.6
MTBS				eS	Sb	21 18 14.4	-1.9
KUU	Kurty	3.98	294	eP	Pb	21 17 32.7	-2.9
KUU				eS	Sb	21 18 26.7	+3.0
KST	Kastek	4.04	281	eP	Pb	21 17 34.4	-2.3
KST				eS	Sb	21 18 30.0	+4.4
DGS	Degeres	4.21	283	eP	Pb	21 17 36.7	-2.8
DGS				eS	Sb	21 18 34.2	+3.7
TKM2	Tokmak 2	4.29	279	Op	Pn	21 17 30.4	-0.6
TKM2				Op	Op	21 17 41.8	+0.8
TKM2				Op	Op	21 18 40.4	
MAK2	Makanchi	4.43	5	Op	Pn	21 17 32.1	-0.6
MAK2				Op	Op	21 18 46.3	
MK31	Makanchi Array	4.45	8	Pn	Pn	21 17 32.0	-0.8
MK31				Pn	Pn	21 18 45.6	
AAK	Ala-Archa	5.09	275	Op	Pb	21 17 53.8	-0.8
AAK				Op	Op	21 19 02.6	
KK31	Karatay Array	8.03	279	Op	Pb	21 18 46.1	+1.4
KK31				Op	Op	21 20 37.2	
KURBB	Kurchatov Arra	8.46	348	Op	Pn	21 18 31.1	+3.2
KURBB				Op	Op	21 20 59.1	
KURK	Kurchatov	8.54	348	Op	Pn	21 18 31.4	+2.5
KURK				Op	Op	21 20 58.7	

ISCJB 21 21:16:46.0,0.8,38:86N:0:03:43:41E:0:06,h26km,7km,
 Error ellipse: s-maj=7.7km s-min=5.0km az=13.1
 ISK 21 21:16:45.2,38:85N:43:35E,h19km,ML2.2/2
 DDA 21 21:16:46.4,38:85N:43:36E,h7km,ML2.7
 ISC 21 21:16:45.9,1.2,38:86N:0:03:43:41E:0:04,h15km,10km,
 n12,c0569/21,Turkey

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
ERCV	ERCVIS-VAN	0.16	358	Op	ISC	21 16 50.0	0.0
ERCV				Op	Op	21 16 50.0	+0.2
VMUR	Van-Muradiye	0.22	54	iP	Pg	21 16 50.8	-0.2
VMUR				iS	Sg	21 16 55.1	-0.4
VANB	Van	0.27	172	Op	Pb	21 16 52.9	+0.4
VANB				Op	Op	21 16 58.5	+1.5
TVAN	Van	0.34	172	iP	Pg	21 16 52.7	-0.3
TVAN				iS	Sg	21 16 58.6	-0.4
ADCV	BITLIS_Adilcev	0.49	264	iP	Pb	21 16 56.7	+0.5
ADCV				iS	Sb	21 17 06.0	-0.8
CLDR	Caldiran	0.53	58	Op	Pg	21 16 56.2	-0.2
CLDR				Op	Op	21 17 04.4	-0.1

21d 22h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like KMRM, JCC, GDXM, SCM, etc.

2012 DEC

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like RUBR, MDM, ISA, ISA, etc.

1066

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like BELC, HEC, D03D, D04E, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BMO Blue Mountains, E09A Wood Farm, ELK Elko, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MSO Missoula, JMT Jette, TCUT Toone Canyon, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like GCMT Greycliff, ZSN Zaisan, S22A 4UR Ranch, etc.

21d 22h

2012 DEC

1068

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like ZHN, AMTX, AMSS, RSDS, etc.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like ULM, BVAR, BRVK, etc.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like X53A, W53A, T52A, etc.

1069

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CHIC Chingaza, KEV Kevo, and various ARCCESS Array stations.

2012 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like VORR Voronezh, RAYN Ar Rayn, and various KIV and KISLOVODSK stations.

21d 22h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like IDID Didziasali, ISAL Salakas, and various NORSAR and BORG stations.

21d 22h

Table with columns for station name, frequency, and various signal quality indicators (e.g., SNR, S/N, etc.). Includes stations like Keskin Array B, Kishinev, and various local stations.

2012 DEC

Table listing international stations with columns for name, frequency, and signal quality. Includes stations like Copenhagen, Kalwaria Pacla, Mbarara, and various European stations.

1070

Table listing stations on the 1070 MHz frequency with columns for name, frequency, and signal quality. Includes stations like UPG Upeice, Siria, Strehaia, and various other stations.

Table with columns for location (e.g., PRUH, TREC, VTS), coordinates, and status (e.g., ePKHKP, PKPpre, PKPpdf). Includes sub-sections like 'comp=Z,4um,21.5s' and 'comp=Z,1.2nm,0.4s,ba=118,slow=3.9,SNR=36'.

Table with columns for location (e.g., SIVA, PROD, AGG, WLF), coordinates, and status (e.g., P, PKPpre, PKPpdf). Includes sub-sections like 'comp=Z,4um,4.1s' and 'comp=Z,1.2nm,0.4s,ba=118,slow=3.9,SNR=36'.

Table with columns for location (e.g., WOL, FETA, BATH, DAVA), coordinates, and status (e.g., eP, PKPpdf, ePP, PP). Includes sub-sections like 'comp=Z,4um,6.8s' and 'comp=Z,1.2nm,0.4s,ba=118,slow=3.9,SNR=36'.

21d 23h

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

JMA 21 22:31:32.8, 0.6, 24.78N; 123.00E, h131km, 3km, M2.3
ISCJB 21 22:31:33.6, 0.6, 24.75N; 0.04:122.98E; 0.02,
h117km, 4km, Error ellipse: s-maj=6.6km s-min=2.8km
b=173.8

TAP 21 22:31:34.3, 24.76N; 122.99E, h110km, 1km, ML3.2, D
ISC 21 22:31:33.2, 1.6, 24.77N; 0.06:122.99E; 0.03, h124km, 9km,
n55, c089/104, Taiwan region

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

2012 DEC

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

IDC 21 22:22:22.6, 4.8, 16.17S; 177.33W, h0km, mb4.9/4,
mb1 5.1/4, mb1mx4.4/56, mbtmp4.9/4, Error ellipse:
s-maj=178.6km s-min=78.6km az=144.0, Fiji Islands
region

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

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

1072

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

IDC 21 22:56:46.3, 2.2, 49.88N; 29.50W, h0km, mb3.8/5,
mb1 3.8/5, mb1mx3.4/59, mbtmp3.8/5, Error ellipse:
s-maj=59.2km s-min=39.6km az=84.0, Northern
Mid-Atlantic Ridge

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

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

Table with columns: PB02, IPOC Station P, 2.44 291, I/P, Pn, 00 53 43.1, -0.1, etc.

Table with columns: PB04, IPOC Station P, 2.51 267, I/P, Pn, 00 53 44.0, 0.0, etc.

Table with columns: PB08, IPOC Station P, 2.60 322, I/P, Pn, 00 53 46.5, +1.2, etc.

Table with columns: PB05, IPOC Station P, 2.63 255, I/P, Pn, 00 53 45.3, -1.1, etc.

Table with columns: AZAP, Zapla, 2.97 133, I/P, Pn, 00 53 48.9, -0.7, etc.

Table with columns: ALOL, LOMAS DE OLMED, 3.57 117, I/P, Pn, 00 53 55.2, -1.5, etc.

Table with columns: TORODI, Torodi Arr, 76.32 70, P, 01 04 29.8, -0.3, etc.

Table with columns: WRA, Warramunga Arr, 133.01 209, PKP, 01 11 56.7, +1.4, etc.

Table with columns: MKAR, Makanchi Array, 145.38 38, PKP, 01 12 18.6, +1.8, etc.

Table with columns: IDC 22 01:00:16.3, 1.1, 9.44N, 126.20E, h0km, mb3.7/6, etc.

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

Table with columns: SCPH, Surigao, 0.99 285, I/P, Pn, 01 00 39.5, +1.8, etc.

Table with columns: SCPH, Butuan, 1.00 236, I/P, Pn, 01 00 38.6, +0.9, etc.

Table with columns: CGP, Cagayan de Oro, 2.05 239, I/P, Pn, 01 00 53.0, +0.9, etc.

Table with columns: CGP, Musuan, 2.14 220, I/P, Pn, 01 01 14.6, -3.5, etc.

Table with columns: CGP, Palo, 2.19 318, I/P, Pn, 01 01 27.1, -0.3, etc.

Table with columns: CGP, Borongan, 2.30 384, I/P, Pn, 01 01 05.4, +0.3, etc.

Table with columns: CGP, Lapu-Lapu, 2.58 288, I/P, Pn, 01 01 02.4, -1.5, etc.

Table with columns: CGP, Cotabato-PC H, 3.17 224, I/P, Pn, 01 01 10.2, +2.6, etc.

Table with columns: CGP, Cataman, 3.45 329, I/P, Pn, 01 01 17.3, -1.4, etc.

Table with columns: CGP, Pagadian, 3.47 242, I/P, Pn, 01 01 15.3, +2.8, etc.

Table with columns: CGP, Fitzroy Crossi, 27.46 182, P, 01 06 03.9, -0.3, etc.

Table with columns: WRA, Warramunga Arr, 30.29 165, P, 01 06 28.9, -0.5, etc.

Table with columns: ASAR, Alice Springs, 33.78 168, P, 01 06 59.8, -0.3, etc.

Table with columns: H1S3, WAKE ISLAND Hy, 39.95 73, T, 01 50 50.1, etc.

Table with columns: H1S1, WAKE ISLAND Hy, 39.97 73, T, 01 50 51.0, etc.

Table with columns: H1S2, WAKE ISLAND Hy, 39.97 73, T, 01 50 51.1, etc.

Table with columns: H1N1, WAKE ISLAND Hy, 40.31 71, T, 01 51 19.3, etc.

Table with columns: H1N2, WAKE ISLAND Hy, 40.32 71, T, 01 51 26.7, etc.

Table with columns: H1N3, WAKE ISLAND Hy, 40.33 71, T, 01 51 27.5, etc.

Table with columns: MKAR, Makanchi Array, 52.73 323, P, 01 09 32.4, -0.5, etc.

Table with columns: ARCES, ARCES Array B, 84.95 34.0, P, 01 12 52.0, -1.0, etc.

Table with columns: YKA, Yellowknife Arr, 94.36 24, P, 01 13 39.3, +1.7, etc.

Table with columns: MEX 22 01:01:54.9, 0.7, 14.76N, 93.71W, h16km, 485km, MD4.0, etc.

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

Table with columns: PCIG, Comitan, 1.05 27, Op, Pn, 01 02 11.1, -3.6, etc.

Table with columns: PCIG, Comitan, 2.14 45, Op, Pn, 01 02 29.2, -0.9, etc.

Table with columns: IDC 22 01:33:49.2, 1.3, 37.90N, 143.85E, h0km, mb3.7/5, etc.

Table with columns: ISJCJB 22 01:33:51.0, 0.7, 37.95N, 143.64E, 0.6, h19km, etc.

Table with columns: JMA 22 01:33:52.1, 0.7, 37.96N, 143.61E, h4.4km, M3.8, etc.

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

Table with columns: JIKH, Ishinomakikobu, 1.78 282, Op, Pn, 01 34 21.2, -0.7, etc.

Table with columns: JIKH, Ouri, 1.90 286, Op, Pn, 01 34 23.0, -0.6, etc.

Table with columns: JIKM, Kesennumototy, 1.93 297, Op, Pn, 01 34 23.4, -0.6, etc.

Table with columns: JIKT, Ofunato, 1.93 306, Op, Pn, 01 34 23.4, -0.6, etc.

Table with columns: JIKU, Ichinoseki, 2.17 298, Op, Pn, 01 34 27.1, -0.2, etc.

Table with columns: JIKV, Ohata, 2.40 310, Op, Pn, 01 34 30.6, +0.1, etc.

Table with columns: JIKW, Otsuma, 2.69 261, Op, Pn, 01 34 39.0, -0.4, etc.

Table with columns: JIKX, Kaneyama, 2.78 291, Op, Pn, 01 35 04.9, +1.6, etc.

Table with columns: JIKY, Nango, 2.94 326, Op, Pn, 01 34 38.3, +0.5, etc.

Table with columns: JIKZ, Ashikaga, 3.71 247, Op, Pn, 01 34 47.8, -0.7, etc.

Table with columns: JIKAA, Ohata, 3.97 330, Op, Pn, 01 34 53.3, +1.3, etc.

Table with columns: JIKAB, Hyogami san, 4.29 245, Op, Pn, 01 34 56.1, -0.4, etc.

Table with columns: JIKAC, Kayabe, 4.42 333, Op, Pn, 01 35 42.2, -3.9, etc.

Table with columns: JIKAD, Matsushiro Arr, 4.59 254, Pn, 01 35 02.3, +1.7, etc.

Table with columns: JIKAE, Matsushiro, 4.59 254, Pn, 01 35 01.9, +1.3, etc.

Table with columns: JIKAF, Churui, 4.65 357, Pn, 01 35 00.0, -0.9, etc.

Table with columns: JIKAG, Asahikawa, 6.20 353, Pn, 01 35 22.4, -0.3, etc.

Table with columns: JIKAH, Nakatsue, 11.49 249, LR, 01 40 29.6, etc.

Table with columns: H1N2, WAKE ISLAND Hy, 27.14 126, T, 02 07 52.0, etc.

Table with columns: H1N1, WAKE ISLAND Hy, 27.15 126, T, 02 08 13.3, etc.

Table with columns: H1N3, WAKE ISLAND Hy, 27.16 126, T, 02 08 16.6, etc.

Table with columns: SONM, Songino Array, 29.79 302, P, 01 39 50.6, +1.7, etc.

Table with columns: MKAR, Makanchi Array, 45.16 302, P, 01 42 08.3, +0.8, etc.

Table with columns: ILAR, Eielson Array, 47.74 33, P, 01 42 28.0, +0.5, etc.

Table with columns: WRA, Warramunga Arr, 58.27 190, P, 01 43 45.0, -0.6, etc.

Table with columns: FINES, FINES Array B, 68.82 333, P, 01 44 55.0, +0.3, etc.

Table with columns: IDC 22 01:36:22.6, 1.1, 10.92S, 112.48E, h0km, mb3.8/7, etc.

Table with columns: NEIC 22 01:36:26.0, 1.1, 11.2S, 112.26E, h35km, mb4.1/3, Error ellipse, etc.

Table with columns: ISJCJB 22 01:36:27.4, 1.1, 11.01S, 112.26E, 0.05, h35km, n38, etc.

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

Table with columns: GMJU, Gumukmas, 2.98 23, Op, Pn, 01 37 11.8, 0.0, etc.

Table with columns: PCJI, Pacitan, 3.02 339, P, 01 37 10.5, -1.8, etc.

Table with columns: JAGI, Jajag, Banyuwa, 3.15 36, Op, Pn, 01 37 14.3, 0.0, etc.

Table with columns: JAGI, Jajag, Banyuwa, 3.15 36, Op, Pn, 01 37 14.6, +0.4, etc.

Table with columns: WOJI, Wonogiri, Jawa, 3.44 337, P, 01 37 17.3, -0.8, etc.

Table with columns: UGM, Wanagama, 3.54 331, Op, Pn, 01 37 18.5, -1.0, etc.

Table with columns: UGM, Wanagama, 3.54 331, Op, Pn, 01 37 18.6, -1.0, etc.

Table with columns: IGJI, Denpasar, 3.59 333, P, 01 37 22.8, +2.6, etc.

Table with columns: NGJI, Ngawi, 3.73 348, P, 01 37 21.6, -0.5, etc.

Table with columns: SRBI, Singaraja, 4.13 45, Op, Pn, 01 37 29.1, +1.5, etc.

Table with columns: SMRI, Semarang, 4.35 335, Op, Pn, 01 37 30.6, 0.0, etc.

Table with columns: KPJI, Karang Pucung, 4.93 318, P, 01 37 38.9, +0.3, etc.

Table with columns: CMJI, Cimerak, 4.96 310, Op, Pn, 01 37 40.6, 0.6, etc.

Table with columns: CISI, Cisempet, Garu, 5.95 308, Op, Pn, 01 37 47.5, -0.1, etc.

Table with columns: XMSI, Christmas Isla, 6.52 274, Op, Pn, 01 37 58.0, -2.4, etc.

Table with columns: XMSI, Marble Bar, 12.36 145, Op, Pn, 01 39 15.2, -5.3, etc.

Table with columns: FITZ, Fitzroy Crossi, 14.73 120, Op, Pn, 01 42 16.7, -1.8, etc.

Table with columns: WRA, Warramunga Arr, 23.02 115, P, 01 41 27.9, -1.3, etc.

Table with columns: WR1, Warramunga Arr, 23.02 115, Op, Pn, 01 41 27.9, -1.3, etc.

Table with columns: WRAB, Warramunga Arr, 23.03 115, Op, Pn, 01 41 27.7, -1.6, etc.

Table with columns: WB2, Warramunga Arr, 23.03 115, Op, Pn, 01 41 27.8, -1.6, etc.

Table with columns: ASAR, Alice Springs, 24.13 124, P, 01 41 39.5, -0.5, etc.

Table with columns: STKA, Stephens Creek, 34.10 132, P, 01 43 08.9, +0.4, etc.

Table with columns: H0S2, Diego Garcia H, 39.36 271, T, 02 25 44.9, etc.

Table with columns: H0S3, Diego Garcia H, 39.36 271, T, 02 25 45.3, etc.

Table with columns: H0S1, Diego Garcia H, 39.36 271, T, 02 25 44.2, etc.

Table with columns: SONAO, Songino Array, 58.84 355, Op, Pn, 01 46 22.7, +0.6, etc.

Table with columns: SONM, Songino Array, 58.84 355, Op, Pn, 01 46 22.7, +0.6, etc.

Table with columns: SONM, Songino Array, 58.84 355, Op, Pn, 01 46 22.7, +0.6, etc.

Table with columns: MK32, Makanchi Array, 63.50 337, P, 01 46 54.5, +0.8, etc.

Table with columns: MKAR, Makanchi Array, 63.50 337, P, 01 46 54.5, +0.8, etc.

Table with columns: KURK, Kurchatov, 68.11 336, Op, Pn, 01 47 23.8, +0.6, etc.

Table with columns: ZALV, Zalesovo Beam, 68.80 343, P, 01 47 28.0, +0.6, etc.

Table with columns: ZALV, Zalesovo Beam, 68.80 343, Op, Pn, 01 47 27.7, +0.3, etc.

Table with columns: ZAA1, Zalesovo Array, 68.80 343, Op, Pn, 01 47 28.0, +0.6, etc.

Table with columns: BR101, Keskin Array S, 86.38 311, P, 01 49 17.6, +1.5, etc.

Table with columns: BRTR, Keskin Array B, 86.38 311, P, 01 49 17.6, +1.5, etc.

Table with columns: YKA, Yellowknife Arr, 118.69 23, PKP, 01 55 10.2, -0.8, etc.

Table with columns: YKBS, Yellowknife Arr, 118.69 23, Op, Pn, 01 55 10.2, -0.8, etc.

Table with columns: ISJCJB 22 01:40:04.2, 1.0, 53.41N, 104.142E, 0.06, h3km, 7km, etc.

Table with columns: MOS 22 01:40:41.0, 2.2, 53.27N, 142.78E, h10km, mb4.3/1, Error ellipse, etc.

Table with columns: SKHL 22 01:40:41.0, 2.2, 53.34N, 142.60E, h10km, 1km, mb4.2/8, etc.

Table with columns: SKHL 22 01:40:41.0, 2.2, 53.34N, 142.78E, h0km, mb3.5/3, etc.

Table with columns: ISJCJB 22 01:40:44.7, 1.1, 53.35N, 104.142E, 0.03, h18km, 7km, etc.

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

Table with columns: OKH, Okha, 0.26 99, Op, Pn, 01 40 49.9, -0.5, etc.

Table with columns: OKH, Okha, 1.00, 0.2s, Op, Pn, 01 40 52.1, +1.3, etc.

Table with columns: OKH, Okha, 19.00, 0.5s, Op, Pn, 01 40 55.8, etc.

Table with columns: OKH, Okha, 0.26 99, Op, Pn, 01 40 49.9, -0.5, etc.

Table with columns: OKH, Okha, 1.00, 0.2s, Op, Pn, 01 40 52.1, +1.3, etc.

Table with columns: OKH, Okha, 19.00, 0.5s, Op, Pn, 01 40 55.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

Table with columns: GRNR, Gornyy, 4.64 239, Op, Pn, 01 41 53.0, -0.8, etc.

LWUW	Luwuk	3.44 58	P	Pn	02 05 15.1 +1.4
SMKI	Samarinda	3.58 312	P	Pn	02 05 14.5 -1.1
KBKI	Kotabaru	3.71 263	P	Pn	02 05 16.0 -1.3
BBSI	Bau Bau	3.75 134	P	Pn	02 05 19.6 +1.6
MRSI	Marisa	3.93 32	P	Pn	02 05 21.6 +1.2
MTKI	Muara Teweih, K	4.31 291	P	Pn	02 05 37.8 -1.7
	486nm,0.6s,26um,4.5nm				
KMSI	Cibinong	5.36 50	P	Pn	02 05 40.9 +0.7
EDFI	Ende, Flores	6.12 163	P	Pn	02 05 51.4 +0.8
SANI	Sanana	6.18 83	P	Pn	02 05 51.7 +0.3
	39nm,0.9s,0.4nm				
MMRI	Maumere	6.20 158	ePn	Pn	02 05 52.8 +1.2
MMRI	Maumere	6.20 158	P	Pn	02 05 53.6 +2.0
PLAI	Pampang	6.26 199	P	Pn	02 05 52.1 -0.5
SRBI	Singaraja	6.94 222	P	Pn	02 06 00.8 -1.0
KMMI	Kalianget	7.13 235	P	Pn	02 06 06.1 +0.9
	82nm,0.7s,1um,0.4nm				
BASI	Baing, Sumba	7.38 174	P	Pn	02 06 08.7 +1.5
JAGI	Jajag, Banyuw	7.94 225	ePn	Pn	02 06 14.0 -1.6
JAGI	Jajag, Banyuw	7.94 225	P	Pn	02 06 14.3 -1.3
	105nm,1.2s,1um,0.3nm				
SOEI	Soe	8.12 148	ePn	Pn	02 06 21.5 +3.3
SOEI	Soe	8.12 148	P	Pn	02 06 19.2 +1.0
BATI	Baumata	8.21 153	Pn	Pn	02 06 22.4 +3.1
	3.0nm,0.3s,baz=350,slow=4.5,SNR=10.0				
BATI	Baumata	8.21 153	P	LR	02 09 49.2
BATI	Baumata	8.21 153	P	Pn	02 06 20.1 +0.8
TNTI	Ternate	8.34 64	ePn	Pn	02 06 17.4 -3.7
TNTI	Ternate	8.34 64	P	Pn	02 06 23.1 +2.0
	148nm,1.1s,0.6nm				
STKI	Sintang	8.87 289	P	Pn	02 06 26.8 -1.5
	88nm,0.6s,1.3nm				
SBUM	Sibu	9.28 305	ePn	Pn	02 06 33.2 -0.9
SBUM	Sibu	9.28 305	P	Pn	02 06 36.0 +2.0
NGJI	Ngawi	9.47 242	P	Pn	02 06 35.8 -0.8
PWJI	Pagerwojo	9.50 237	P	Pn	02 06 39.0 +2.0
KKM	Kota Kinabalu	9.57 338	ePn	Pn	02 06 36.3 -1.8
KKM	Kota Kinabalu	9.57 338	P	Pn	02 06 41.0 +2.9
PKCJ	Pacitan	10.12 238	P	Pn	02 06 45.3 -0.2
WUJI	Wonorejo, Jawa	10.16 255	P	Pn	02 06 45.2 -0.2
SMRI	Semarang	10.25 246	ePn	Pn	02 06 50.4 +3.1
KSM	Kuching	10.47 294	ePn	Pn	02 06 49.2 -1.1
UGM	Wanagama	10.55 241	ePn	Pn	02 06 54.0 +2.6
DVA	Davao City (W)	11.41 30	LR	LR	02 11 57.8
	comp=Z,2um,19.6s,baz=206,slow=42				
SUJI	Sorong	11.58 30	LR	LR	02 13 14.3
	comp=Z,469nm,18.5s,baz=296,slow=48				
KPJI	Karang Pucung	11.74 247	Pn	Pn	02 07 05.9 -1.8
LEM	Lembang	12.81 252	Pn	Pn	02 07 25.6 +3.1
	4.3nm,0.3s,baz=125,slow=12,SNR=4.1				
LEM	Lembang	12.81 252	P	LR	02 12 09.8
	comp=Z,987nm,18.6s,baz=56,slow=36				
CISI	Cisomet, Garu	12.86 248	ePn	Pn	02 07 24.6 +1.6
CISI	Cisomet, Garu	12.86 248	P	Pn	02 07 27.8 +4.8
CGJI	Cibinong	14.59 330	P	Pn	02 07 46.6 0.0
KLI	Kotabumi	15.09 262	P	Pn	02 07 52.2 -1.1
KASI	Kota Agung	15.54 260	P	Pn	02 08 00.4 +1.2
	160nm,1.4s,2um				
MDSI	Maura Dua	15.72 264	P	Pn	02 08 02.8 +1.2
	78nm,2.0s,1um				
LWLI	Liwa	15.90 262	P	Pn	02 08 03.7 -0.3
FITZ	Fitzroy Crossi	16.16 160	Pn	Pn	02 08 07.8 +0.6
	0.2nm,0.3s,baz=354,slow=10,SNR=14				
FITZ	Fitzroy Crossi	16.16 160	P	LR	02 15 42.2
	comp=Z,2um,18.2s,baz=316,slow=42				
FITZ	Fitzroy Crossi	16.16 160	ePn	Pn	02 08 08.4 +1.3
MYKOM	Kota Tinggi	16.66 286	ePn	Pn	02 08 13.9 +0.5
MYKOM	Kota Tinggi	16.66 286	P	Pn	02 08 16.0 +0.5
MGY	Tagaytay City	16.90 4	LR	LR	02 14 58.3
	comp=Z,570nm,19.2s,baz=131,slow=39				
MASI	Maura Aman, Be	17.59 269	P	Pn	02 08 25.8 +0.6
KRIJ	Kerinci	18.39 272	P	Pn	02 08 35.2 +0.4
SDSI	Sungai Dareh	18.57 267	P	Pn	02 08 32.8 +1.1
BKNI	Bangkinang	19.07 279	eP	Pn	02 08 45.8 +2.6
	197nm,1.2s				
BKNI	Bangkinang	19.07 279	P	Pn	02 08 43.7 +0.5
PDSI	Padang	19.48 275	P	Pn	02 08 48.5 +0.4
	168nm,1.6s				
IPM	Ipo	20.18 291	eP	Pn	02 08 55.1 +0.7
	218nm,1.5s				
GENI	Genyem	20.29 90	P	Pn	02 08 58.4 +0.7
MINSI	Mandailing Nat	20.59 260	P	P	02 09 26.2 +2.2
SISI	Saibi	20.81 274	P	P	02 09 04.0 -0.7
KULM	Kulim	20.83 293	eP	P	02 09 01.5 +0.2
	164nm,1.4s				
KULM	Kulim	20.83 293	P	LR	02 09 03.0 +1.6
JAY	Jayapura	20.83 90	LR	LR	02 18 22.1
	comp=Z,419nm,21.4s,baz=116,slow=41				
JAY	Jayapura	20.83 90	P	P	02 09 02.7 +1.2
PSI	Prapat	21.67 285	P	P	02 09 10.4 -0.1
	58nm,1.1s,baz=179,slow=2.7,SNR=33				
PSI	Prapat	21.67 285	P	LR	02 17 57.2
	comp=Z,1um,19.0s,baz=91,slow=38				
PSI	Prapat	21.67 285	eP	P	02 09 10.4 -0.1
PSI	Prapat	21.67 285	ePm	pmax	02 09 10.4 -0.1
	comp=Z,376nm,1.2s				
PBSI	Pulau Batu	21.75 277	P	P	02 09 12.8 +1.6
WRA	Warramunga Arr	22.09 141	P	P	02 09 13.6 -1.2
	comp=Z,19nm,1.0s,baz=320,slow=10,SNR=55				
WRA	Warramunga Arr	22.09 141	P	LR	02 19 11.3
	comp=Z,384nm,18.7s,baz=325,slow=40				
WRAB	Tennant Creek	22.09 141	eP	P	02 09 14.0 -0.8
	comp=Z,59nm,1.3s				
WRAB	Tennant Creek	22.09 141	ePm	pmax	02 09 13.8 -1.1
	comp=Z,46nm,1.3s				
WB2	Warramunga Arr	22.09 141	eP	P	02 09 14.5 -0.4
	comp=Z,109nm,1.5s				
GSI	Gunungsitoli	22.65 280	eP	P	02 09 21.4 +0.4
GSI	Gunungsitoli	22.65 280	P	P	02 09 21.3 +0.3
TRTT	Trang	22.75 298	P	P	02 09 26.4 +4.4
	comp=Z,26nm,1.3s,comp=Z,36nm				
KKSI	Kotacane, Aceh	22.97 286	P	P	02 09 23.7 -0.6
KRAB	Krabi	23.36 298	P	P	02 09 32.3 +4.1
	comp=Z,46nm,1.2s				
TPTI	Tamparuli	23.47 285	P	P	02 09 29.5 +0.3
	comp=Z,62nm,1.3s,comp=Z,92nm				
QIZ	Qiongzong	23.89 336	P	P	02 09 32.3 -0.9
QIZ	Qiongzong	23.89 336	S	S	02 13 50.6 +3.3
	comp=Z,28nm,1.0s				
QIZ	Qiongzong	23.89 336	LR	LR	02 12 12.6 +1.1
	comp=Z,430nm,17.6s				
QIZ	Qiongzong	23.89 336	LR	LR	02 12 12.6 +1.1
	comp=Z,330nm,15.7s				
QIZ	Qiongzong	23.89 336	LR	LR	02 12 12.6 +1.1
	comp=Z,690nm,24.5s				
LHMI	Lhok Samawe	24.26 289	P	P	02 09 37.5 +0.9
SRAK	Srakaw	24.36 314	P	P	02 09 36.5 -1.0
	comp=Z,40nm,1.0s				
BCT	West Island	24.60 247	eP	P	02 09 41.1 +1.3
AS31	Alice Springs	24.74 148	eP	P	02 09 40.5 -0.5
	comp=Z,115nm,1.1s				
ASAR	Alice Springs	24.74 148	P	P	02 09 41.0 +0.1
	comp=Z,24nm,1.1s,baz=322,slow=7.5,SNR=78				
ASAR	Alice Springs	24.74 148	PcP	PcP	02 13 17.6 +0.1
	comp=Z,1.9nm,0.8s,baz=330,slow=2.0,SNR=4.5				
ASO1	Alice Springs	24.76 148	eP	P	02 09 41.1 -0.1
SKNT	Sakolnakor	25.19 322	P	P	02 09 47.8 +2.7
	comp=Z,12nm,0.9s				
COEN	Coen	25.53 117	eP	P	02 09 48.0 -0.3
	comp=Z,45nm,1.4s				
CHAI	Chaiyaphum	25.70 317	P	P	02 09 53.4 +3.7
	comp=Z,13nm,1.3s,comp=Z,92nm				
MORW	Morawa	26.30 188	eP	P	02 09 57.0 +2.0
	comp=Z,27nm,1.1s				
NONG	Nongkai	26.53 322	P	P	02 10 02.4 +5.2
GZH	Guangzhou	26.57 347	eP	P	02 10 03.5 +6.0
GZH	Guangzhou	26.57 347	S	S	02 14 43.8 +1.4
	comp=N,540nm,12.1s				
GZH	Guangzhou	26.57 347	LR	LR	02 10 03.5 +6.0
	comp=E,590nm,12.1s				

PKBT	Sadong Pong	26.86 317	P	P	02 10 03.4 +3.3
	comp=E,13nm,1.1s,comp=E,2um				
NACB	Ninganchiao	26.94 4	eP	P	02 09 57.9 -2.9
	comp=E,215nm,1.8s				
PMG	Port Moresby	27.90 105	eP	P	02 10 08.2 -1.4
	comp=E,5.4nm,0.4s				
PMG	Port Moresby	27.90 105	eP	P	02 10 08.2 -1.4
	comp=Z,5.0nm,0.4s				
CMAR	Chiang Mai Arr	29.55 317	P	P	02 10 23.6 -0.6
	comp=Z,2.9nm,0.3s,baz=141,slow=7.5,SNR=12				
CMAR	Chiang Mai Arr	29.55 317	LR	LR	02 24 56.7
	comp=Z,292nm,20.1s,baz=137,slow=42				
CMAR	Chiang Mai Arr	29.55 317	eP	pmax	02 10 25.6 +1.4
CMAR	Chiang Mai Arr	29.55 317	ePm	pmax	02 10 25.6 +1.4
CMMT	Chiang Mai	29.79 317	P	P	02 10 34.1 +7.7
CHTO	Chiang Mai	29.80 317	P	P	02 10 25.3 -1.1
	comp=Z,9.3nm,1.1s				
CHTO	Chiang Mai	29.80 317	eP	P	02 10 25.3 -1.1
	comp=Z,9.0nm,1.1s				
CHTO	Chiang Mai	29.80 317	P	P	02 10 34.2 +7.8
CTA	Charters Tower	30.93 126	P	P	02 10 38.5 +2.1
	comp=Z,2.5nm,0.8s,baz=319,slow=16,SNR=3.0				
CTAO	Charters Tower	30.93 126	eP	P	02 10 37.3 +0.9
	comp=Z,1.9nm,0.8s				
CTAO	Charters Tower	30.93 126	eP	pmax	02 10 37.3 +0.9
	comp=Z,1.9nm,0.8s				
GYA	Guiyang	31.83 337	P	P	02 10 45.4 +1.1
GYA	Guiyang	31.83 337	pP	pP	02 10 55.3 +0.9
GYA	Guiyang	31.83 337	Pn	Pn	02 11 51.5 +1.9
GYA	Guiyang	31.83 337	S	S	02 15 52.0 -0.7
GYA	Guiyang	31.83 337	S	S	02 16 09.8 +0.4
GYA	Guiyang	31.83 337	Sn	Sn	02 17 44.3 +2.0
	comp=Z,20nm,0.8s				
GYA	Guiyang	31.83 337	pmax	pmax	02 10 45.4 +1.1
GYA	Guiyang	31.83 337	LR	LR	02 10 55.3 +0.9
GYA	Guiyang	31.83 337	LR	LR	02 16 09.8 +0.4
GYA	Guiyang	31.83 337	LR	LR	02 17 44.3 +2.0
	comp=Z,120nm,4.9s				
GYA	Guiyang	31.83 337	LR	LR	02 10 53.0 +3.4
	comp=Z,510nm,17.6s				
GYA	Guiyang	31.83 337	LR	LR	02 11 02.6 +1.1
	comp=Z,480nm,18.2s				
GYA	Guiyang	31.83 337	LR	LR	02 11 05.7 +7.8
	comp=Z,490nm,16.9s				
KMI	Kunming	32.41 330	P	P	02 16 08.3 +6.3
KMI	Kunming	32.41 330	pP	pP	02 16 08.3 +6.3
KMI	Kunming	32.41 330	S	S	02 16 08.3 +6.3
KMI	Kunming	32.41 330	S	S	02 16 08.3 +6.3
	comp=Z,14nm,0.6s				
KMI	Kunming	32.41 330	pmax	pmax	02 16 08.3 +6.3
	comp=Z,140nm,3.1s				
KMI	Kunming	32.41 330	LR	LR	02 11 05.7 +7.8
	comp=Z,450nm,17.2s				
KMI	Kunming	32.41 330	LR	LR	02 16 08.3 +6.3
	comp=Z,400nm,15.7s				
KMI	Kunming	32.41 330	LR	LR	02 11 05.7 +7.8
	comp=Z,460nm,19.3s				
ENH	Enshi	34.42 344	eP	P	02 11 05.7 -1.1
	comp=Z,31nm,1.0s				
NJ2	Nanjing	34.75 359	eP	P	02 11 06.6 -3.0
	comp=Z,7.0nm,0.6s				
ST					

WRA Warramunga Arr 81.93 122 P P 03 08 04.3 +2.5
ASAR Alice Springs 84.19 125 P P 03 08 16.3 +2.8

NIED 22 03:24:00,22.40N,121.70E,h35km,MW4.4 Best double
couple: M3.90000,1015 NP1.74,00000,818.00000,
lambda-137.00000, NP2.302,00000,878.00000,
lambda-77.00000.
BUJ 22 03:24:32.8,21.71N,121.73E,h24km,mb4.2/21,mB4.6/11,
ML4.0/1,Ms4.0/11,Ms7.3/8/10
IDC 22 03:24:32.7,0.6,21.87N,121.55E,h0km,mb4.1/19,
mb1.4/2/0,mb1mx4.1/50,mbmp4.1/20,ML3.6/1,MS3.5/9,
s-min=13.5/9,ms1mx3.1/54,Error ellipse:s-maj=29.1km
s-min=13.1km az=66.0
TAP 22 03:24:34.8,21.99N,121.49E,h14km,ML4.2,C
NEIC 22 03:24:34.2,0.3,21.94N,121.57E,h10km,mb4.4/9,Error
ellipse:s-maj=10.1km s-min=5.1km az=77.0
NEIC Recorded [5 TAP] in Taitung.
ASIES 22 03:24:34.0,22.04N,121.48E,h33km,MW3.9
JMA 22 03:24:37.3,0.3,22.42N,121.69E,h0km,ML4.6
ISC 22 03:24:35.4,0.8,22.03N,121.58E,0.03,h16km,4km,
n172, e1551/189,mb4.2/29,MS3.4/8,17C-1D,Taiwan
region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LAY Lan-yu, TSEB Hengchuen, TAW Tavu, etc.

Main table of seismic events with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNG Penghu, TWQ1 Luyutan, NSY Sanyi, etc.

Table of seismic events with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SONA1 Songino Array, WMO Urumqi, FITZV Fitzroy Crossi, etc.

ISK 22 03:25:42.1,38.70N,43.16E,h5km,ML2.3/2
DDA 22 03:25:43.2,38.69N,43.19E,h7km,ML2.5
ISC 22 03:25:43.2,1.0,38.71N,0.03,43.16E,0.03,h10km,gkm,
n14,-085/22,Turkey

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

JMA 22 03:28:02.9,0.1,24.40N,122.82E,h63km,1km,M2.6
ISCJB 22 03:28:03.1,0.5,24.42N,122.84E,0.02,h61km,6km,
Error ellipse:s-maj=8.6km s-min=3.0km az=1.6
TAP 22 03:28:03.0,24.43N,122.85E,h62km,ML3.0,C
ISC 22 03:28:03.7,1.3,24.41N,122.84E,0.03,h58km,8km,
n14,-087/467,Taiwan region

Table of seismic events with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYNG Yonagunijima, YOJ Yonaguni jima, etc.

22d 3h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include TIBP Shuangxi, TIBP Kuro-shima, TWE Neicheng, etc.

ATH 22 03:40:49.0, 36.06N, 21.22E, h30km, 1km, ML3.4/11, Error ellipse: s-maj=2.5km, s-min=1.4km, az=250.0
THE 22 03:40:49.3, 36.00N, 21.03E, h32km, 5.7km, ML3.4/10, Error ellipse: s-maj=5.7km, s-min=1.1km, az=53.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MES2 Methoni, PYL PYLOS, PYL comp=N,2733um,0.6s, etc.

2012 DEC

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include VLI Veliai, VLV Vlachokerasia, VLN Vlachokerasia, etc.

1078

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include EIL Elat, EILV Davos/Dischmat, DAVOX Davos, etc.

ISCJB 22 03:43:59.3, 0.4, 6.71S, 129.93E, 0.04, h146km, mb4.2/6, Error ellipse: s-maj=6.0km, s-min=4.8km, az=179.7

IDC 03:44:00.1, 2.5, 6.65S, 129.76E, h148km, 26km, mb3.8/4, mbl 3.9/8, mb1mx3.6/42, mb2mp4.3/8, Error ellipse: s-maj=37.6km, s-min=15.1km, az=74.0

NEIC 22 03:44:02.1, 0.9, 6.62S, 129.86E, h173km, 10km, mb4.2/6, Error ellipse: s-maj=12.1km, s-min=11.6km, az=57.0

DJA 22 03:44:02.7, 0.3, 7.5, S, 13.1, 13.0E, h156km, 7km, M4.4/11, mb4.9/7, mb4.3/11, MLv4.8/8, Mw(mb)4.1/7

ISC 22 03:44:00.2, 0.6, 6.56S, 129.80E, 0.06, h146km, n37, c27142, mb4.1/6, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BNDI Sandanaira, SAUI Saumlaki, SAUI Saumlaki, etc.

Table with columns: ECL, Tailimi, 1.64 328 eP, Pn, 03 48 27.4 -0.4, etc. Includes stations like Fangliu, Taitung, Beinan, etc.

ISC/JB 22:03:48:09.5:1.2, 40.9S:0.1:44.3E:0.3, h12km, mb3.9/2, MS3.4/1, Error ellipse: s-maj=32.5km s-min=18.6km

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

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LHMH, SINSI, KCSI, etc.

Table with columns: TBJJ, Tambak Boyo, 21.26 124 P, P, 03 54 50.1 -0.4, etc. Includes stations like TEZP, JORH, Kuning, etc.

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

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

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

22d 4h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KDJ, SVE, G03D, LTY, I02D, B08A, TKM2, ULHL, PAYA, F05D, H04D, USP, CHMS, J01E, I03D, KBK, FRU, NRN, DAG, DAG, G05D, E07A, ARU, ARU, ARU, AAK, AAK, AAK, AAK, C09A, SHL, SHL, K02D, I04A, LAMP, HAWA, F07A, EKS2, CMMT, NEW, NEW, NEW, CHTO, CHTO, CHTO, I05D, H02E, LUME, CM31, CMAR, CMAR, J04D, CHAI, AML, PBKT, PBKT, E09A, SUKH, PINE, J05D, L04D, G08A, YBH, YBH, YBH, K04D, M02C, ARCES, N02D, M04C, PRGR, PRGR, KKAR, KKAR, WDC, WDC, WDC, SRK, JTMK, BRDH, JIRN.

2012 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like GUN, BMO, BMO, UMPA, UTHA, MOD, RAMM, J08A, O03E, PKI, PKIN, MSO, MSO, DMN, WVOR, WVOR, ORV, ORV, DAN, DAN, SRDT, FFC, FFC, SUMG, SUMG, SUMG, ABKAR, BEKW, KOLN, AKTO, PYUN, FCC, FCC, HRY, EGMT, EGMT, KLMR, KLMR, PAHR, DLMT, HLID, HLID, MCBT, CMB, BOZ, BOZ, BOZ, YERR, WAKR, PMG, PMG, QLMT, RYN, RYN, YHB, GCMT, ILULI, ILULI, NVAR, NVAR, NVAR, YMR, YNR, YFT, ELK, ELK, ELK, ELK, YPP, H17A, H17A, IMW, FLWY, NIL, NIL, RLMT, RLMT, FXWY, MOOW, TPWA, LOHW.

1084

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like DGMT, DGMT, SNOW, REDW, HVU, HVU, LAO, LAO, VES, VES, BGU, SPUT, CWC, PKM, GRAC, R11A, R11A, ISA, ISA, ISA, SBC, DAC, ARVC, DUG, DUG, BW06, BW06, PDAR, PDAR, MPMC, SFJD, SFJD, SFJD, FINES, TCUT, FURC, TPNV, TPNV, TPNV, CTU, LRM, KRAB, JLU, PSUT, NLU, EDW2, MPU, DECC, SHOC, MWC, MWC, MWC, GSC, GSC, GSC, SHPR, BFSC, CUU, CUU, MSU, MSU, ULM, MDND, MDND, HEC, SZCU, BBRC, P17A, K22A, K22A, Q16A, P18A, MTPU, OBN, OBN, OBN, LCMT, MURC, RSSD, RSSD, RSSD, SRU, SRU.

Table with columns: SRU, comp-Z, SNR, and various performance metrics (63.83, 66, P, P, 04 52 57.0 +0.9, etc.).

Table with columns: IVI, wigtuv, 67.80, 12, eP, P, 04 53 20.8 0.0, etc.

Table with columns: K40A, Colesburg, 71.15, 46, P, P, 04 53 41.7 -0.1, etc.

22d 4h

2012 DEC

1086

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like HDIL Hopedale, I49A Point Hope, BUR08 Bucovina Ar. S, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like PSZ Piszkesteto, O47A Sheridan, N46A Decatur, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like T45A Paducah, BZS Buzias, X41A Kaden, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like OXF, MOTA, SQA, U49A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like R58B, CBN, W53A, Z49A, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like URZ, ASAR, WRA, SNA, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like YKA Yellowknife Ar, YKB Yellowknife Ar, PLCA Paso Flores, INK Inuvik, KLU Kutina, etc.

ISC/JB 22 05:56:37.9.1.1, 7.25S:0.08x129.48E:0.08, h79km, mb3.4/1, Error ellipse: s-maj=12.1km s-min=11.2km az=150.0

IDC 22 05:56:42.1.2.3, 7.29S:129.37E, h108km, 27km, mb3.2/1, mb1 3.5/6, mb1mx3.3/4, mbmp3.0/6, Error ellipse: s-maj=26.7km s-min=26.3km az=121.0

ISC 22 05:56:39.7.0.9, 7.36S:0.06x129.54E:0.10, h79km, n6, c3515/11, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like BATI Baumata, BJI Sorong, SIJI, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

ISK 22 06:08:29.9, 37.23N:37.01E, h16km, ML1.8/3, ISC/JB 22 06:08:31.3.0.6, 37.26N:0.05x37.09E:0.04, h12km, 5km, Error ellipse: s-maj=8.6km s-min=4.6km az=27.1

DDA 22 06:08:31.4, 37.31N:37.12E, h7km, ML2.7, ISC 22 06:08:31.0.0, 37.28N:0.04x37.08E:0.03, h14km, 7km, n11, c0576/19, Turkey

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like GAZ Gaziantep, KMRs Kahramanmaraş, KUZU Kuzuzi, ANDN Andirin, etc.

NIED 22 06:15:00.33.50N:132.30E, h44km, Mw4.4 Best double couple: M4.110000.1015 NP1q336.00000, 824.00000, 1-100.00000. NP2q3167.00000, 867.00000, 1-85.00000.

BUI 22 06:15:29.4.0.3, 33.30N:132.34E, h60km, mb4.6/27, Mb4.8/18, Ms4.2/8, Ms7.3/9.5, ISC/JB 22 06:15:29.1.0.3, 33.50N:0.02x132.19E:0.03, h49km, 2km, mb4.5/100, MS3.5/7, Error ellipse: s-maj=4.3km s-min=3.7km az=28.3

JMA 22 06:15:30.3, 33.52N:132.30E, h47km, M4.5 Broadband fault plane solution: P waves. NP1q3193.00000, 862.00000, 1-9.00000. NP2q3328.00000, 840.00000, 1-133.00000. Principal axes: T P1g12.00000, Azm267.00000, N P1g26.00000, Azm3.00000, P P1g61.00000, Azm155.00000.

JMA Felt III J1, NEIC 22 06:15:31.2.0.5, 33.47N:132.12E, h55km, 4km, mb4.6/80 Error ellipse: s-maj=4.3km s-min=4.2km az=160.0, NEIC Felt III at Iwakuni, Honshu. Also felt at Onomichi. Recorded [3 JMA] in Yamaguchi. Also recorded [3 JMA] in Ehime, Shikoku.

IDC 22 06:15:33.3.1.1, 33.52N:132.05E, h81km, 11km, mb4.0/18, mb1 4.2/22, mb1mx4.0/49, mbtmp4.3/22, MS3.5/6, Ms1 4.2/22, ms1mx3.1/42, Error ellipse: s-maj=16.7km s-min=10.2km az=84.0

ISC 22 06:15:31.0.0.6, 33.49N:0.03x132.27E:0.03, h52km, 5km, n185, c1947/205, mb4.5/100, MS3.6/7, 5C-3D, Shikoku

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like JNU Nagahama, UWA2 Uwa jima 2, UWA Uwa, JUS Utsuki, etc.

Main table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like JNU Nakatsue, JNU Unoya, JMU Monobe, INU Inuvik, KRSR Korea Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like MCK McKinley, RND Reindeer, MDM Madison River, SML Sawmill, KNK Knik Glacier, etc.

22d 7h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHIANG MAI, CMMT, CMAR, TGY, MKAR, GERES.

IDC 22 07:00:38.7-0.6, 16:87N-93:48W, h146km, 7km, mb3.8/13, mb1.4/0.16, mb1mx3.8/36, mbtp4.2/16, Error ellipse: s-maj=18.4km s-min=7.0km az=38.0

ISCJB 22 07:00:40.0-0.3, 16:78N-0.03-93:58W, 0:03, h175km, 2km, mb4.3/49, Error ellipse: s-maj=5.2km s-min=4.0km az=14.4

NEIC 22 07:00:40.7-0.3, 16:74N-93:60W, h163km, 3km, mb4.4/70, MD4.3(MEX), Error ellipse: s-maj=4.7km s-min=3.2km az=208.0

NEIC Felt at Tuxtla Gutierrez, MEX 22 07:00:42.5-0.6, 16:80N-93:78W, h159km, 7km, MD4.3

ISC 22 07:00:40.2-0.6, 16:76N-0.05-93:70W, 0:04, h165km, 6km, n310, s116/323, mb4.3/49, Chiapas

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TGIG, TGBT, PCIG, CMIG, LVIG, TLIG, PPM, AMVM, MYIG, UNM, TEIG, JRGU, JTOJ, MOIG, BOAB, ZAIG, JTS, JTS, JTS, 833A, 544A, 435B, 435B, JCT, JCT, 059Z, NATX, 058A, 449A, 552A, 450A, 059A, 244A, LTX, TXAR, TX31, WHTX, WHTX, 245A, VBMS, 349A, 553A, 350A, 554A, 145A, 248A, 351A, 453A, 241A, 241A, 555A, 250A, 250A, 147A, 454A, 352A, 352A, 758A, 556A, 657A, 148A.

2012 DEC

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like 353A, 246A, 245A, 245A, 149A, 455A, 251A, Y41A, 247A, 252A, 150A, LRLAL, LRLAL, 151A, Y45A, 248A, 253A, 249A, Y46A, X40A, 457A, MIAR, MIAR, 152A, 152A, X42A, X37A, 250A, 250A, Y47A, X44A, X45A, Y48A, OXF, 153A, 153A, 255A, MNTX, X46A, W39A, W39A, Z52A, W41B, X47A, X47A, WMOK, WMOK, Y50A, X48A, X48A, Y51A, W45A, 155A, Z53A, PLAL, X49A, W46A, GOGA, GOGA, MXTX, MXTX, V41A, Y52A, Y52A, V43A, TUL1, TUL1, W47A, 156A, Y53A, AMTX, AMTX, X51A, HHAR, W49A, U40A, U41A, V46A, U42A, SWET.

1929

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Y54A, V47A, X52A, W50A, W50A, V48A, U44B, X53A, WVT, W51A, U32A, U46A, PBMO, V49A, HODGE, 121A, W52A, T41A, T42A, CPCT, NHSC, U47A, T43A, W53A, U48A, V51A, TKL, S41A, BNM, T46A, U49A, S43A, T47A, V52A, S42A, U50A, V53A, S44A, SIUC, CCM, ANMO, ANMO, ANMO, T49A, R41A, R42A, S47A, T50A, TZTN, R43A, Q41A, S49A, Q42A, R47A, Q43A, S50A, T25A, T25A, KSU1, KSU1, S51A, R48A, P42A, P41A, P43A, Q48A, R51A, SDCO, SDCO, Q49A, KSU1, KSU1, P48A, SDV, S22A, S22A, MVCO, Q52A, N43A, M40A, M39A, N46A, PV13, PV02.

1093	OGNE	Ogallala	25.16 345 eP	P	07 05 51.2 +0.9
	SMCO	Snowmass	25.17 335 eP	P	07 05 51.9 +1.1
	PV03	Paradox Valley	25.21 331 eP	P	07 05 52.4 +1.5
	PV12	Saucer Basin	25.24 331 eP	P	07 05 53.0 +1.8
	PV11	David Mesa, Pa	25.26 331 eP	P	07 05 53.3 +2.0
	PV17	East Wray Mesa	25.28 331 eP	P	07 05 52.8 +1.2
	PV16	Nyswonger Mesa	25.29 331 eP	P	07 05 53.6 +1.9
	PV14	Lion Creek, Pa	25.39 331 eP	P	07 05 54.0 +1.5
	PV10	Paradox Valley	25.39 331 eP	P	07 05 53.9 +1.2
	PV23	Carpenter Ridg	25.44 331 eP	P	07 05 54.7 +1.6
	PV09	Paradox Valley	25.54 331 eP	P	07 05 56.1 +2.1
	K41A	Shullsburg	25.93 6 P	P	07 05 55.9 -1.1
	K40A	Colesburg	25.95 4 P	P	07 05 55.0 -2.2
	ECSD	EROS Data Cent	27.00 355 P	P	07 06 06.2 -0.5
	H38A	Maiden Rock	27.86 2 P	P	07 06 13.8 -0.5
	G38A	Ridgeland	28.37 3 P	P	07 06 17.7 -1.1
	SPMN	Marine on St.	28.39 1 P	P	07 06 17.9 -1.1
	H45A	Beulah	28.52 12 P	P	07 06 20.6 +0.4
	G39A	Holcombe	28.52 4 P	P	07 06 18.5 -1.7
	TCUT	Toone Canyon	28.68 331 eP	P	07 06 23.4 +1.4
	PD31	Pinedale Array	29.24 336 eP	P	07 06 27.5 +0.6
	PDAR	Pinedale Array	29.24 336 P	P	07 06 27.5 +0.6
	BGU	Big Grassy Mou	29.30 329 eP	P	07 06 29.2 +1.9
	HVU	Hansel Valley	29.84 331 eP	P	07 06 33.5 +1.5
	REDW	Red Top Meadow	30.26 335 eP	P	07 06 36.8 +0.9
	SNOW	Snow King Moun	30.30 335 eP	P	07 06 37.6 +1.3
	LOHW	Long Hollow	30.37 335 eP	P	07 06 38.2 +1.4
	TPAW	Teton Pass	30.41 335 eP	P	07 06 38.4 +1.2
	NV01	Mina Array Sit	30.51 320 P	P	07 06 39.8 +1.7
	NVAR	Mina Array Bea	30.51 320 P	P	07 06 39.7 +1.6
	MOOW	Moose Ponds	30.54 335 eP	P	07 06 39.8 +1.5
	FXWY	Fox Creek	30.56 335 eP	P	07 06 39.8 +1.3
	KVN	Katserville	30.77 321 eP	P	07 06 42.0 +1.6
	RLMT	Red Lodge	31.15 338 P	P	07 06 44.6 +0.9
	AGMN	Agassiz Nation	31.50 357 P	P	07 06 45.2 -1.3
	QLMT	Earthquake Lak	31.71 336 eP	P	07 06 50.0 +1.4
	HLID	Hailey	31.98 331 eP	P	07 06 52.4 +1.5
	HLID	Hailey	31.98 331 P	P	07 06 52.0 +1.1
	HLID	Hailey	31.98 331 eP	P	07 06 52.0 +1.1
	MCMT	McKenzie Canyo	32.29 334 eP	P	07 06 55.3 +1.7
	DLMT	Dillon	32.62 335 eP	P	07 06 57.6 +1.2
	ULM	Lac du Bonnet	33.45 357 P	P	07 07 01.1 -2.3
	J08A	Circle Bar Ran	33.85 327 eP	P	07 07 08.3 +1.2
	EGMT	Eagleton	33.85 341 P	P	07 07 07.4 +0.5
	BMO	Blue Mountains	34.32 330 P	P	07 07 12.1 +1.0
	MSO	Missoula	34.35 335 eP	P	07 07 12.0 +0.7
	MSO	Missoula	34.35 335 P	P	07 07 12.3 +0.9
	F10A	Beach Ranch, E	35.12 331 eP	P	07 07 18.7 +0.8
	JTMT	Jette	35.24 336 eP	P	07 07 19.7 +0.8
	LPZA	La Paz	41.40 141 P	P	07 08 11.8 +0.5
	YKA	Yellowknife Ar	47.93 347 P	P	07 09 01.6 -0.5
	YKBS	Yellowknife Ar	47.98 347 eP	P	07 09 01.6 -0.5
	CPUP	Villa Florida	55.54 140 P	P	07 09 57.9 -0.7
	CPUP	Villa Florida	55.54 140 eP	P	07 09 58.2 -0.3
	IL1	Eielson Array	59.67 337 eP	P	07 10 26.9 +0.1
	ILAR	Eielson Array	59.67 337 P	P	07 10 26.9 0.0
	ILB	Eielson Array	59.67 337 eP	P	07 10 27.2 +0.3
	RND	Reindeer	59.85 335 eP	P	07 10 29.6 +1.4
	TRF	Thorfare Moun	60.45 334 eP	P	07 10 33.9 +1.5
	PPLA	Purkeypile	61.05 333 eP	P	07 10 36.6 +0.2
	PLCA	Paso Flores	61.11 160 P	P	07 10 38.4 +1.4
	PLCA	Paso Flores	61.11 160 eP	P	07 10 38.4 +1.4
	MLY	Manley	61.27 336 eP	P	07 10 37.9 +0.2
	NOA	NORSAR Array B	82.51 28 P	P	07 12 44.1 -0.3
	ARCES	ARCES Array B	84.04 18 P	P	07 12 52.2 +0.3
	HHC	Hu-ho-hao-te	118.07 338 eP	PKPdf	07 19 07.8 -0.2
	WMQ	Urumqi	119.70 359 eP	PKPdf	07 19 11.9 +0.9
	BOSA	Boshof	122.93 113 PKP	PKPdf	07 19 17.5 -0.2
	KSH	Kashi	123.19 10 PKP	PKPdf	07 19 19.8 +1.9
	LZH	Lanzhou	124.88 343 eP	PKPdf	07 19 21.8 +0.5
	LZH	Lanzhou	124.88 343 eP	PKPdf	07 19 21.8 +0.5
	CD2	Chengdu	129.72 340 PKP	PKPdf	07 19 29.3 -1.2
	WRA	Warramunga Arr	134.41 258 PKP	PKPdf	07 19 39.9 +0.4
	ASAR	Alice Springs	134.96 253 PKP	PKPdf	07 19 39.6 -0.9

UCR 22 07:28:42.1, 121°13'N-88°07'W, h17km, 7km, MD3.6, ML3.4, Off coast of central America

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
CSGN	Cosiguina Volc	0.98 31	Op	07 32 46.0 +0.1	ISC
CSGN	Cosiguina	1.16 12	eP	07 33 01.9 +0.8	ISC
CNCH	Conchagua	1.16 12	eP	07 32 49.0 -1.1	Pn
LCND	La Ca-ada	1.19 9	eP	07 32 49.5 -0.8	Pn
LCND	La Ca-ada	1.19 9	eS	07 33 06.1 0.0	Pn
LCND	La Ca-ada	1.19 9	eS	07 33 09.5	Pn
LCY	Lacayo	1.30 351	eP	07 32 51.3 -0.7	Pn
VSM	San Miguel	1.31 351	eP	07 32 51.5 -0.7	Pn
PACA	Pacaya	1.35 350	eP	07 32 51.7 -1.0	Pn
PACA	Pacaya	1.42 343	eS	07 33 10.5 0.0	Pn
TECA	Teapay	1.45 348	eS	07 33 21.6 0.9	Pn
COPN	Copaltepe	1.45 348	eS	07 33 53.0 -0.9	Pn
COPN	Copaltepe	1.45 348	eS	07 33 13.1 -0.1	Pn
MOMN	Momotombo	1.52 79	eP	07 32 54.0 -0.9	Pn
CAHU	Cacacuatique	1.64 355	eP	07 32 56.6 -0.1	Pn
CAHU	Cacacuatique	1.64 355	eP	07 33 17.4 -0.1	Pn
PAVA	Las Pavas	1.79 332	eP	07 32 58.7 +0.1	Pn
PAVA	Las Pavas	1.79 332	eS	07 33 22.7 -0.3	Pn
PAVA	Las Pavas	1.79 332	eS	07 33 27.6	Pn
LBR5	Las Brisas	1.86 330	eP	07 33 00.3 +0.7	Pn
LEU	La Fuente	1.98 324	eP	07 33 00.8 +0.6	Pn
BOQS	Boqueron	1.98 324	eP	07 33 02.3 +0.8	Pn

TAP 22 07:42:30.8, 23°18'N-120°99'E, h7km, ML3.5, 17C-8D, B, Taiwan

2012 DEC

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
ELDTW	Lidau	0.03 66	Op	07 42 32.8 +0.4	ISC
ELDTW	Lidau	0.03 66	Op	07 42 32.8 +0.4	ISC
YUS	Yu-Shan	0.31 354	Op	07 42 37.4 +0.2	Pg
YUS	Yu-Shan	0.31 354	S	07 42 37.4 +0.2	Pg
YUS	Yu-Shan	0.31 354	S	07 42 38.1 +0.2	Pg
YUS	Yu-Shan	0.31 354	S	07 42 41.6 +0.8	Pg
YUS	Yu-Shan	0.31 354	S	07 42 42.5 +0.6	Pg
WTP	Ta-pu	0.35 282	Op	07 42 38.6 -0.8	Pb
WTP	Ta-pu	0.35 282	S	07 42 43.7 -1.4	Pb
TPUB	Ta-pu	0.35 291	Op	07 42 38.7 -0.7	Pb
TPUB	Ta-pu	0.35 291	S	07 42 43.8 -1.3	Pb
CHKT	Chengkung	0.36 102	Op	07 42 39.6 +0.1	Pb
CHKT	Chengkung	0.36 102	eS	07 42 46.1 +0.8	Pb
YULB	Yu-li	0.36 53	Op	07 42 38.4 +0.5	Pg
YULB	Yu-li	0.36 53	S	07 42 42.7 +0.1	Pg
SLGT	Liugui	0.36 240	Op	07 42 38.4 +0.6	Pg
SLGT	Liugui	0.36 240	S	07 42 43.1 +0.4	Pg
TWG	Pinlang	0.36 167	Op	07 42 38.6 +0.7	Pg
TWG	Pinlang	0.36 167	S	07 42 43.3 +0.7	Pg
TWGBT	Beinan	0.37 166	Op	07 42 38.6 +0.6	Pg
TWGBT	Beinan	0.37 166	S	07 42 43.3 +0.4	Pg
ALS	Alishan	0.37 333	Op	07 42 38.8 +0.6	Pg
ALS	Alishan	0.37 333	S	07 42 43.8 +0.6	Pg
SGST	Jiashian	0.38 256	Op	07 42 39.2 -0.7	Pb
SGST	Jiashian	0.38 256	S	07 42 45.1 -1.0	Pb
CHN4	Tsaushan	0.40 296	Op	07 42 39.9 -0.4	Pb
CHN4	Tsaushan	0.40 296	S	07 42 45.9 -0.8	Pb
CHN1	Nanhai	0.42 271	Op	07 42 40.3 -0.3	Pb
CHN1	Nanhai	0.42 271	S	07 42 46.9 -0.4	Pb
TTN	Taitung	0.45 161	Op	07 42 40.7 -0.3	Pb
TTN	Taitung	0.45 161	S	07 42 40.7 -0.3	Pb
EHY	Hungye	0.45 43	Op	07 42 40.0 +0.4	Pg
EHY	Hungye	0.45 43	S	07 42 45.6 +0.1	Pg
TWK	Hsiungyi	0.47 281	Op	07 42 41.2 -0.2	Pb
TWK	Hsiungyi	0.47 281	S	07 42 49.1 +0.5	Pb
CHN5	Tsauling	0.51 326	Op	07 42 41.6 -0.5	Pb
CHN5	Tsauling	0.51 326	S	07 42 49.3 -0.4	Pb
HGSD	Ruilin	0.51 52	Op	07 42 41.7 -0.4	Pb
HGSD	Ruilin	0.51 52	eS	07 42 49.3 -0.5	Pb
SSD	Sandimen	0.54 217	Op	07 42 41.1 -0.1	Pg
SSD	Sandimen	0.54 217	eS	07 42 47.5 -0.8	Pg
ECL	Taimai	0.58 183	Op	07 42 41.9 -0.1	Pg
ECL	Taimai	0.58 183	eS	07 42 49.1 -0.4	Pg
VWDT	VWDT	0.59 14	Op	07 42 42.2 -0.1	Pg
VWDT	VWDT	0.59 14	eS	07 42 51.7 -0.4	Pg
CHY	Chiayi	0.61 302	Op	07 42 44.4 +0.7	Pg
CHY	Chiayi	0.61 302	eS	07 42 54.1 +1.6	Pg
SSLB	Suanglung	0.61 357	Op	07 42 42.5 0.0	Pg
SSLB	Suanglung	0.61 357	eS	07 42 50.4 -0.1	Pg
TWMT	Shoushan	0.63 236	Op	07 42 44.6 +0.5	Pb
TWMT	Shoushan	0.63 236	eP	07 42 43.4 +0.3	Pb
EGFK	Gaungfu	0.64 39	Op	07 42 44.5 +0.2	Pb
EGFK	Gaungfu	0.64 39	eS	07 42 45.4 +0.2	Pb
WGK	Gukeng	0.64 323	Op	07 42 45.4 +0.2	Pb
WGK	Gukeng	0.64 323	eS	07 42 55.4 -1.3	Pb
MASBT	Mashubulo	0.65 210	Op	07 42 43.1 -0.3	Pg
MASBT	Mashubulo	0.65 210	S	07 42 52.5 +0.7	Pg
WDLH	Luclu	0.66 321	Op	07 42 45.6 -1.0	Pn
WDLH	Luclu	0.66 321	Pn	07 42 46.0 -0.9	Pn
CHN8	Yijiu	0.73 284	Op	07 42 47.7 +0.1	Pn
CHN8	Yijiu	0.73 284	eS	07 42 58.5 -0.5	Pn
TYC	Yuchir	0.73 351	Op	07 42 45.6 -0.4	Pn
TYC	Yuchir	0.73 351	eS	07 42 47.2 -0.7	Pn
WNT	Mingjian	0.75 338	Op	07 42 46.3 +0.1	Pg
WNT	Mingjian	0.75 338	eS	07 42 46.3 +0.1	Pg
EAST	Anshuo	0.80 189	Op	07 42 46.3 +0.1	Pg
EAST	Anshuo	0.80 189	eP	07 42 46.9 +0.3	Pg
TAW	Taiwan	0.82 186	Op	07 42 47.3 -0.2	Pg
TAW	Taiwan	0.82 186	eP	07 42 47.3 -0.2	Pg
CHGB	Renai	0.90 11	Op	07 42 47.4 -0.7	Pg
CHGB	Renai	0.90 11	eP	07 42 48.9 -0.1	Pg
ENLB	Shoufeng	0.92 38			

22d 7h

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

2012 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MORW Morawa, TAOE Nuku Hiva Island, MPSTI Mapepa, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like LZH Lanzhou, KDAK Kodiak Island, SYO Syowa Base, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 1097.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 2012 DEC.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 22d 11h.

22d 12h

Table with columns: KDI, Kendori, Azimuth, Elevation, P, S, Time, Res, ISC. Lists various stations and their coordinates.

2012 DEC

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Lists stations and their operational details.

1098

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Lists stations and their operational details.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HAWA Hanford, BMO Blue Mountains, F10A Beach Ranch, etc.

KRSC 22 12:23:29.4 1.7, 54.73Km, 164.09E, h60km, 26km, ML3.6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKZ Mys Kozlova, TUMD Tumrok D, KZV Kizim, etc.

ISC/JB 22 12:26:56.4 0.9, 6.31S, 0.07x130.5E, 0.2, h90km, mb3.6/2, Error ellipse: s-maj=30.7km s-min=9.1km az=171.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA ASAR, CMAR Chiang Mai Arr, etc.

NEIC 22 12:57:26.7 0.0, 61.105N, 158.61W, h19km, ML3.9(AEIC), After AEIC, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SVW2 Sparrevohn, TT01 Tatalina, PDB Pedro Bay, etc.

NIED 22 12:59:00.23, 90N, 122.30E, h32km, Mw3.7 Best double couple: M=4.12000x10^14 NP1=146.00000, 885.00000, lambda179.00000, NP2=236.00000, 889.00000, lambda5.00000

IDC 22 12:59:37.6 1.0, 24.08N, 122.38E, h0km, mb3.6/8, mb1 3.7/8, mb1mx3.5/49, mbtmp3.6/8, MS2.7, Ms1 2.7/2, ms1mx2.3/44, Error ellipse: s-maj=55.8km s-min=18.7km az=64.0

TAP 22 12:59:40.8, 23.95N, 122.28E, h12km, 1km, ML3.7, D ISC/JB 22 12:59:41.4 0.3, 23.93N, 0.01x122.32E, 0.01, h19km, 2km, mb3.5/8, MS2.9/1, Error ellipse: s-maj=2.4km s-min=1.8km az=149.9

JMA 22 12:59:41.2 0.1, 23.92N, 122.29E, h21km, 2km, M3.5 ISC 22 12:59:40.7 1.0, 23.95N, 0.02x122.28E, 0.02, h18km, 6km, n111, e0668/206, mb3.4/8, 1C-1D, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EOS1 EOS1, HWA Hwalien, ENLB Shoufeng, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ENTT baz=316, NNSB Datong, NNSB, WHF Hehuan Shan, etc.

0.3nm,1.0s,baz=7.1,slow=8.4,SNR=3.0
ASAR Alice Springs 59.41 188 P 13 46 38.7 -8.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, MKAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MORR Playas El Morr, MILO Milagro-Astudi, COHC Cochancy, etc.

ISK 22 13:59:19.1, 38.70N:43.43E, h5km, ML2.9/7
ISCJB 22 13:59:20.4, 0.5, 38.70N:0.03:43.46E:0.05, h10km,4km,
Error ellipse: s-maj=7.1km s-min=4.4km az=22.5

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

ISCJB 22 14:05:10.9, 0.6, 23.45S:0.06:179.8W:0.1, h536km, Error
ellipse: s-maj=12.9km s-min=7.1km az=170.2
IDC 22 14:05:10.3, 0.2, 23.66S:179.66W, h522km, 21km,
mb3.6/12, mb1.3/7.14, mb1mx3.5/25, mbtmp4.0/14, Error
ellipse: s-maj=19.2km s-min=16.1km az=169.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GLKZ Green Lake, DZM Mont Dzumac, OZU Omahuta, etc.

Table with columns: TXAR Lajitas Array, ILAR Pinedale Array, PDAR Pinedale Array, etc.

KRNET 22 14:08:15.8, 0.1, 41.11N:72.62E, h14km, mb2.4
SOME 22 14:08:16.8, 0.1, 41.12N:72.75E, h5km
NWC 22 14:08:17.5, 0.1, 41.06N:72.65E, h0km, mb2.8, mpv2.6,
Error ellipse: s-maj=23.4km s-min=9.1km az=78.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ARSB Arslanbob, ARSB ARSB, ARK Arkit, etc.

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

ISK 22 13:59:20.3, 1.0, 38.68N:0.03:43.50E:0.04, h15km, 7km,
n16, c1915/24, Turkey

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

ISCJB 22 14:57:38.1, 1.5, 8.49S:127.69E, h0km, mb3.6/2,
mb1.3/7.6, mb1mx3.5/30, mbtmp3.6/6, ML3.7/4, Error
ellipse: s-maj=36.4km s-min=24.8km az=85.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KBK Karagaybulak, KBK Karagaybulak, CHMS Chumysh, etc.

ISC 22 14:57:43.2, 1.3, 8.75S:0.10:127.78E:0.10, h35km, n6,
c1970/10, Timor region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BATI Baunata, BATI Baunata, FITZ Fitzroy Crossi, etc.

JMA 22 15:13:01.7, 0.1, 24.37N:122.22E, h69km, 2km, M2.4
ISCJB 22 15:13:02.0, 2.4, 24.47N:0.02:122.26E:0.02, h65km, 4km,
Error ellipse: s-maj=3.0km s-min=2.6km az=162.6

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

Table with columns: CMAR Chiang Mai Arr, NVAR Mina Array Bea, etc.

IDC 22 14:40:24.3, 7.6, 15.27S:174.70W, h0km, mb4.0/3,
mb1.4/3.3, mb1mx3.7/32, mbtmp4.0/3, Error ellipse:
s-maj=339.4km s-min=33.3km az=139.0, Tonga Islands

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

IDC 22 14:53:33.1, 0.6, 10.67N:126.86E, h0km, mb4.0/15,
mb1.4/1/16, mb1mx4.0/37, mbtmp4.0/16, ML3.7/1, Error
ellipse: s-maj=28.9km s-min=12.4km az=76.0

ISCJB 22 14:53:34.2, 0.5, 10.63N:0.06:126.95E:0.06, h20km,
mb3.9/14, Error ellipse: s-maj=9.3km s-min=8.8km
az=135.7

IDC 22 14:53:36.1, 0.6, 10.62N:0.07:126.90E:0.09, h20km, n20,
c085/23, mb3.9/14, 1C-1D, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SCPH Surigao, RCP Roxas, GUIM Jordan, etc.

ISC 22 14:53:36.1, 0.6, 10.62N:0.07:126.90E:0.09, h20km, n20,
c085/23, mb3.9/14, 1C-1D, Philippine Islands region

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

ISC 22 14:53:36.1, 0.6, 10.62N:0.07:126.90E:0.09, h20km, n20,
c085/23, mb3.9/14, 1C-1D, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CTAK Charters Tower, CTAK Charters Tower, STKA Stephens Creek, etc.

ISC 22 14:57:38.1, 1.5, 8.49S:127.69E, h0km, mb3.6/2,
mb1.3/7.6, mb1mx3.5/30, mbtmp3.6/6, ML3.7/4, Error
ellipse: s-maj=36.4km s-min=24.8km az=85.0

ISCJB 22 14:57:40.1, 1.1, 8.69S:0.08:127.84E:0.08, h33km,
mb3.4/2, Error ellipse: s-maj=13.6km s-min=8.8km
az=37.8

ISC 22 14:57:43.2, 1.3, 8.75S:0.10:127.78E:0.10, h35km, n6,
c1970/10, Timor region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BATI Baunata, BATI Baunata, FITZ Fitzroy Crossi, etc.

ISC 22 14:57:43.2, 1.3, 8.75S:0.10:127.78E:0.10, h35km, n6,
c1970/10, Timor region

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

JMA 22 15:13:01.7, 0.1, 24.37N:122.22E, h69km, 2km, M2.4
ISCJB 22 15:13:02.0, 2.4, 24.47N:0.02:122.26E:0.02, h65km, 4km,
Error ellipse: s-maj=3.0km s-min=2.6km az=162.6

TAP 22 15:13:02.4, 2.4, 24.44N:122.22E, h66km, ML3.2/B
ISC 22 15:13:02.5, 1.2, 24.45N:0.03:122.26E:0.02, h64km, 7km,
n84, c1912/157, 4C-7D, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TWC Suao, TWC Suao, ENA Nanau, etc.

ISC 22 15:13:02.4, 2.4, 24.44N:122.22E, h66km, ML3.2/B
ISC 22 15:13:02.5, 1.2, 24.45N:0.03:122.26E:0.02, h64km, 7km,
n84, c1912/157, 4C-7D, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ENA Nanau, ENA Nanau, ILA ilan, etc.

Table with columns: Code, Station Name, Az, AzP, Op, Phase ID, Time, Res, ISC. Includes stations like NV01, NVAR, HVU, RLMT, AKASG, NB200, etc.

IDC 22:16:02:38.2,0.6,6:13S:76:78W,h0km,mB4.5/17, mb1.4,7/23,mb1mx4.6/33,mbmp4.6/23,ML3.9/5,MS4.0/21, Ms1.4,0/21,ms1mx3.9/35,Error ellipse: s-maj=17.9km s-min=11.6km az=58.0

ISCJB 22:16:02:41.5,0.2,5.96S:0:03:76:61W:0.4,h33km, mb4.8/71,MS4.0/15,Error ellipse: s-maj=5.0km s-min=3.5km az=155.4

ARE 22:16:02:41.0,0.0,6:10S:76:79W,h37km, IGQ 22:16:02:42.1,0.6,6:5:5:77W:1.4,h12km,mb5.7/4, mb5.4/4,MLV5.6/7,Mw(mB)5.3/4

NEIC 22:16:02:43.6,0.2,6:08S:76:63W,h35km,mb4.9/55, ML4.8(ARE),Error ellipse: s-maj=8.3km s-min=4.1km az=61.0

NEIC Felt [V] at Moyobamba. GEIC 22:16:02:44.6,0.4,6:03S:0:02:76:75W:0:03,h15km, MW5.0/78, Moment Tensor Solution. s23,c28; s78,c104; Duration: 0 Moment tensor: Scale 10^19Nm; Mw0.33±.33; Mw0.20±.08; M00:2.35±.12; M00.45±.29; M00.55±.08; M00.72±.43; Best double couple: M0.375000:1016

NF1=28.00000, N128.00000; N1P2: 0.00000; N1P2: 0.00000; N1P2: 0.00000; Azm331.00000; N 1.3520, P138.00000; Azm206.00000; P -4.0520, P132.00000; Azm87.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BUI 22:16:02:45.1,6:10S:76:50W,h45km,mb5.4/3,Ms5.1/2, Ms7.4/9/2

ISC 22:16:02:43.7,0.3,6:02S:0:05:76:59W:0:07,h35km,n408, r1506/412,mb4.9/70,MS4.0/16,2Cm, Northern Peru

Main station list table with columns: Code, Station Name, Az, AzP, Op, Phase ID, Time, Res, ISC. Lists numerous stations like COHC, MILO, PATI, etc.

Main station list table with columns: Code, Station Name, Az, AzP, Op, Phase ID, Time, Res, ISC. Lists numerous stations like ROC1, CMIG, BDFB, etc.

Main station list table with columns: Code, Station Name, Az, AzP, Op, Phase ID, Time, Res, ISC. Lists numerous stations like T47A, S50A, S51A, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, etc. Includes entries like KSU1 Kansas State U, K47A Vermontville, K48A Perry, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, etc. Includes entries like EDW2 Edwards Air Fo, JLU Jordanelle, LRMC Laurel Mtn Rad, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, etc. Includes entries like MDM Murphy Dome, DAG Danmarks Havn, VNUA Vanda, etc.

TRN 22 16:10:09.1, 15:26'N-61:53'W, h180km, MD3.9,5C, Leeward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like MDN Morris-Daniel, DSHT Scott's Head, DBCT Belle View Cho, etc.

BUI 22 16:41:42.4, 22:31'N-94:58'E, h134km, mb5.6/68, mB5.7/38

Table with columns: ID, Name, RA, Dec, Mag, Type, etc. Includes entries like ESCD Sencsca Array, SUMG Summit, EPYK Eagle Plains, etc.

22d 16h

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like PMG, ARRA, KMBO, etc.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like MODS, DPC, LUF, etc.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like BBOO, NC204, CLL, etc.

Table with columns: TOO, Tolangji, 76.46 141 eP, P, 16 53 21.0 +0.6, etc. Lists various astronomical objects and their properties.

Table with columns: PCBR, Castelo Branco, 84.72 311 eP, P, 16 54 06.3 +1.8, etc. Lists various astronomical objects and their properties.

Table with columns: 121A, Cookes Peak, D, 121.23 22 P, PKPdf, 17 00 23.6 +0.4, etc. Lists various astronomical objects and their properties.

ISCJB 22 16:46:31.2 ± 0.8 7.83S: 0:09:105.30E: 0:07: h10km, mb4.3/9, Error ellipse: s-maj=12.6km s-min=9.4km az=6.6, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, etc. Lists station information.

22d 18h

NVS	comp=N,11nm,1.2s								
KURK	comp=E,13nm,1.2s	46.06	323 eP	P	18 15 38.2 +0.3				
KURK	comp=E,13nm,1.1s	46.06	323 eP	P	18 15 38.4 +0.6				
KURK	comp=Z,18nm,1.3s	46.06	146 eP	P	18 15 39.1 +0.9				
CTAO	Charters Tower	46.07	323 P	P	18 15 38.9 +0.9				
KURBB	Kurchatov Arra	46.07	323 P	P	18 15 38.9 +0.9				
ARSB	Arslanbob	46.47	309 eP	P	18 15 42.5 +1.0				
HNR	Honiara	47.58	123 LR	LR	18 34 10.4				
BTK	Batken	47.82	307 eP	P	18 15 52.1 +0.2				
BTK	Batken	47.82	307 eP	P	18 15 52.1 +0.2				
GAR	Garm	48.02	306 eP	P	18 15 54.0 +0.5				
GAR	Garm	48.02	306 eP	P	18 15 54.0 +0.5				
MORW	Morawa	48.16	186 eP	P	18 15 53.0 -1.5				
KBL	Kabul	48.50	299 eP	P	18 15 57.4 0.0				
KBL	Kabul	48.50	299 eP	P	18 15 57.4 0.0				
KK31	Karatay Arra	48.67	311 eP	P	18 15 58.4 +0.1				
KK31	Karatay Array	48.67	311 eP	P	18 15 58.4 +0.1				
KKAR	Karatay Array	48.67	311 eP	P	18 17 23.4				
KKAR	Karatay Array	48.67	311 eP	P	18 15 59.8 +1.5				
SEY	Seymchan	48.74	18 P	P	18 15 59.1 +0.7				
SEY	Seymchan	48.74	18 eP	P	18 15 59.4 +0.9				
CHGR	Chuyangaron	48.86	305 eP	P	18 16 00.2 +0.3				
BVAR	Borovyoye Array	51.66	323 LR	LR	18 17 24.0 -0.2				
BRVK	Borovyoye	51.73	112 eP	P	18 16 21.9 +0.7				
BRVK	Borovyoye	51.73	112 eP	P	18 17 33.9 -0.4				
BRVK	Borovyoye	51.73	323 eP	P	18 16 21.6 +0.3				
NWAO	Narrogin (SRO)	51.89	184 eP	P	18 16 21.8 -0.8				
NWAO	Narrogin (SRO)	51.89	184 eP	P	18 16 21.8 -0.8				
TIXI	Tiksi	52.73	3 P	P	18 16 28.0 -0.4				
TIXI	Tiksi	52.73	3 eP	P	18 16 27.9 -0.4				
EIDS	Eidsvold	52.92	146 eP	P	18 16 29.6 -0.8				
BBOO	Buckleboo	53.56	164 eP	P	18 16 33.4 -1.5				
STKA	Stevens Creek	54.35	159 eP	P	18 16 39.9 -0.9				
STKA	Stevens Creek	54.35	159 eP	P	18 16 39.9 -0.9				
BILL	Bilbino	56.44	19 eP	P	18 16 55.3 -0.1				
BILL	Bilbino	56.44	19 eP	P	18 16 55.3 -0.1				
BILL	Bilbino	56.44	19 eP	P	18 16 55.3 -0.1				
BILL	Bilbino	56.44	19 eP	P	18 16 55.3 -0.1				
ABKAR	Akbulak array	57.05	317 eP	P	18 17 00.4 +0.3				
GEYT	Alibeck	57.47	303 eP	P	18 17 04.3 +1.0				
GVA0B	ALIBECK ARRAY	57.47	303 eP	P	18 17 03.8 +0.5				
SVE	Sverdiolovsk	58.17	326 eP	P	18 17 08.8 +1.0				
SVE	Sverdiolovsk	58.17	326 eP	P	18 25 07.7 +1.4				
AKTO	Aktyubinsk	58.46	318 LR	LR	18 43 43.4				
ARU	Arti	59.19	325 eP	P	18 17 14.7 -0.2				
ARU	Arti	59.19	325 dP	P	18 17 15.0 +0.1				
ARU	Arti	59.19	325 dP	P	18 17 59.2				
ARU	Arti	59.19	325 dP	P	18 19 21.9				
ARU	Arti	59.19	325 dP	P	18 25 24.1 +4.4				
ARU	Arti	59.19	325 dP	P	18 29 18.3 +4.1				
BANOM	Banah	59.81	289 iP	P	18 17 21.7 +1.9				
MSFE	Esma-Masafi	60.02	289 P	P	18 17 23.0 +1.8				
HATD	Hatta, Dubai	60.12	288 P	P	18 17 21.7 -0.2				
ASHO	Ashiyah	60.21	288 P	P	18 17 22.6 +0.1				
DZM	Mont Dzumac	60.27	131 eS	S	18 25 34.3 -0.3				
DZM	Mont Dzumac	60.27	131 eP	P	18 35 18.0				
DZM	Mont Dzumac	60.27	131 P	P	18 17 23.3 +0.3				
DZM	Mont Dzumac	60.27	131 eP	P	18 17 22.9 0.0				
ALNE	Al Ain	60.58	287 P	P	18 17 25.2 +0.1				
FAQQ	Al Faqa, Dubai	60.62	288 P	P	18 17 25.2 0.0				
TOO	Toolangi	60.85	158 eP	P	18 17 26.1 -0.4				
TOO	Toolangi	60.85	158 eP	P	18 17 26.1 -0.4				
ASUD	Al Ashush, Dub	60.87	288 P	P	18 17 26.6 -0.4				
LIH	Lord Howe Isla	62.09	144 P	P	18 17 35.8 +0.9				
NIKH	Nikolski High	62.92	40 eP	P	18 17 39.3 -0.9				
GAMB	Gambell	62.93	27 eP	P	18 17 40.8 +0.7				
JOHN	Johnston Islan	65.56	80 eP	P	18 17 57.8 -0.3				
ANM	Nome	65.79	27 eP	P	18 17 59.8 +0.9				
ANM	Nome	65.79	27 eP	P	18 17 59.8 +0.9				
TAU	Tasmania Unive	66.24	159 eP	P	18 18 03.2 +1.4				
TAU	Tasmania Unive	66.24	159 eP	P	18 18 03.3 +1.4				
PRGR	Pergomogore	66.51	330 eP	P	18 18 02.4 -1.1				
RDG	Red Dog Mine	67.15	23 eP	P	18 18 07.9 +0.4				
TBLG	Delisi	67.57	308 eP	P	18 18 08.4 -2.2				
TBLG	Delisi	67.57	308 eP	P	18 18 08.4 -2.2				
SDPT	Sand Point	67.88	37 eP	P	18 18 11.2 -1.1				
ZEI	Tsey	68.07	309 eP	P	18 18 13.4 -0.6				
AKH	Akhalkalaki	68.53	308 eP	P	18 18 17.7 +0.8				
AKH	Akhalkalaki	68.53	308 eP	P	18 18 18.5 +1.6				
AKH	Akhalkalaki	68.53	308 eP	P	18 18 17.7 +0.8				

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AKH	comp=Z,16nm,1.1s								
KBZ	Khabaz	68.70	310 P	P	18 18 18.0 +0.4				
KBZ	comp=Z,8.3nm,0.9s,baz=97,slo=3.4,SNR=13			LR	18 52 25.7				
VRH	Novokhopyovsk	68.79	318 eP	P	18 18 16.8 -1.3				
VRH	Novokhopyovsk	68.79	318 eP	P	18 18 16.8 -1.3				
KVAR	Kislovodsk Arr	68.82	311 LR	LR	18 52 14.7				
KIV	Kislovodsk	68.83	311 eP	P	18 18 19.4 +0.8				
KIV	Kislovodsk	68.83	311 eP	P	18 18 18.8 +0.3				
KIV	Kislovodsk	68.83	311 eP	P	18 18 18.4 -0.2				
KIV	Kislovodsk	68.83	311 eP	P	18 27 21.1 +1.4				
KIV	comp=Z,26nm,1.1s			MLR	MLR				
KIV	comp=Z,430nm,17.0s			MLR	MLR				
KLMR	Klimovskoe	69.46	329 eP	P	18 18 20.7 -1.3				
KLMR	Klimovskoe	69.46	329 eP	P	18 18 20.8 -1.3				
KLMR	Klimovskoe	69.46	329 eP	P	18 18 20.7 -1.3				
KLMR	Klimovskoe	69.46	329 eP	P	18 18 20.8 -1.3				
RAYN	Ar Rayn	69.90	289 eP	P	18 18 25.0 -0.5				
RAYN	Ar Rayn	69.90	289 iP	P	18 18 25.2 -0.3				
RAYN	Ar Rayn	69.90	289 eP	P	18 18 25.0 -0.5				
RAYN	Ar Rayn	69.90	289 eP	P	18 18 25.0 -0.5				
SPW2	Sparrevohn	70.20	31 eP	P	18 18 27.1 +0.5				
LPSR	Galich ya Gora	70.39	320 eP	P	18 18 27.6 -0.3				
VSR	Storozhevo	70.39	319 eP	P	18 18 27.1 -0.8				
VSR	Storozhevo	70.39	319 eP	P	18 18 27.1 -0.8				
IM3	Indian Mountai	70.71	26 eP	P	18 18 29.8 +0.2				
MOS	Moscow	70.83	323 eP	P	18 18 35.5 +5.0				
MOS	Moscow	70.83	323 eP	P	18 18 55.4				
MOS	Moscow	70.83	323 eP	P	18 21 05.2				
OBNSK	Obninsk	71.50	323 LR	LR	18 51 19.1				
OBNSK	Obninsk	71.50	323 eP	P	18 18 33.4 -1.2				
OBNSK	Obninsk	71.50	323 eP	P	18 18 32.8 -1.7				
OBNSK	Obninsk	71.50	323 eP	P	18 18 41.8				
OBNSK	Obninsk	71.50	323 eP	P	18 18 53.1				
OBNSK	Obninsk	71.50	323 eP	P	18 18 53.1				
OBNSK	Obninsk	71.50	323 eP	P	18 18 53.1				
OBNSK	Obninsk	71.50	323 eP	P	18 18 53.1				
CAST	Castle Rocks	71.64	28 eP	P	18 18 35.1 -0.2				
RSO	Redoubt South	71.64	31 eP	P	18 18 35.7 +0.1				
PPLA	Purkeypile	71.64	29 eP	P	18 18 35.7 +0.2				
OHAK	Old Harbor	71.74	35 eP	P	18 18 35.4 -0.5				
COLD	Coldfoot	72.01	24 eP	P	18 18 38.0 +0.5				
MLY	Manley	72.04	26 eP	P	18 18 38.1 +0.4				
KDAK	Kodiak Island	72.04	34 eP	P	18 18 37.1 -0.6				
KDAK	Kodiak Island	72.04	34 eP	P	18 18 37.7 -0.1				
KDAK	Kodiak Island	72.04	34 eP	P	18 18 37.7 -0.1				
KDAK	Kodiak Island	72.04	34 eP	P	18 18 37.7 -0.1				
BPAW	Bear Paw Mtn.	72.05	27 eP	P	18 18 38.4 +0.6				
TRF	Thorofare Moun	72.43	28 eP	P	18 18 41.1 +0.9				
ANN	Anapa	72.44	312 eP	P	18 18 39.6 -0.8				
ANN	Anapa	72.44	312 eP	P	18 18 57.4				
ANN	Anapa	72.44	312 eP	P	18 20 19.0 +0.4				
ANN	Anapa	72.44	312 eP	P	18 23 30.4				
SUA	Susitna One	72.49	30 eP	P	18 18 39.6 -0.9				
CNPM	China Pool	72.51	32 eP	P	18 18 41.5 +0.9				
BRLK	Bradley Lake	72.65	32 eP						

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like DLBC Dease Lake, PSZ Resolute Bay, and various YV and YP stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MAW Mawson, FCC Fort Churchill, and various YV and YP stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like V52A Sevierville, Y49A Woodville, and various YV and YP stations.

MEX 22 18:13:32.2-0.7, 16:34N-98:12W, h15km, 3km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PNIG Pinotepe, TLIG Tiapa, VHO Vista Hermosa.

IDC 22 18:16:19.0-3.8, 5:79S, 130:32E, h188km, 54km, mb2.6/1, mb1.2/7.4, mb1mx2.6/3.4, mbtmp3.2/4, Error ellipse: s-maj=113.5km s-min=18.5km az=81.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SIJI Sorong, WRA Warramunga Arr, ASAR Alice Springs, MKAR Manganji Array.

IDC 22 18:19:42.0-16.0, 18:24S, 177:47W, h542km, 140km, Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs.

22d 19h

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

ISCJB 22 18:21:15.8:0.6, 15:36N:0:08:92:02W:0:05, h184km, 6km, mb3.5/3, Error ellipse: s-maj=13.2km s-min=6.7km

MEX 22 18:21:16.9:0.7, 15:33N:92:04W, h196km, 6km, MD4.1

IDC 22 18:21:16.8:1.3, 15:29N:91:94W, h175km, 11km, mb3.3/3, mb1 3.6/5, mb1mx3.1/46, mbtmp3.8/5, Error ellipse: s-maj=40.0km s-min=14.6km az=38.0

NEIC 22 18:21:16.9:0.0, 15:33N:92:04W, h196km, MD4.1 (MEX), After MEX.

ISC 22 18:21:16.8:0.9, 15:33N:0:08:92:02W:0:05, h184km, 6km, n28, a1571/40, mb3.6/3, Mexico-Guatemala border region

Main table for 22d 19h section, listing station names, coordinates, and seismic data for various stations like THIG, COCIG, CMIG, etc.

ISCJB 22 18:28:07.1:0.4, 37:59N:0:05:138:30E:0.1, h224km, 4km, mb3.5/8, Error ellipse: s-maj=10.0km s-min=7.4km az=33.7

IDC 22 18:28:07.7:1.1, 37:68N:138:34E, h213km, 12km, mb3.4/8, mb1 3.4/11, mb1mx3.1/71, mbtmp3.9/11, Error ellipse: s-maj=23.3km s-min=21.7km az=176.0

JMA 22 18:28:08.0:0.3, 37:57N:138:32E, h219km, 3km, M3.4

ISC 22 18:28:08.0:0.7, 37:58N:0:07:138:32E:0.07, h219km, 6km, n32, a076/38, mb3.6/8, Near west coast of eastern Honshu

Main table for 22d 19h section, listing station names, coordinates, and seismic data for various stations like JIZZ, JSD, JJK, etc.

IDC 22 18:49:39.8:2.2, 6:33S:129:62E, h0km, mb3.2/1, mb1 3.4/3, mb1mx3.2/35, mbtmp3.2/3, ML3.3/2, Error ellipse: s-maj=145.0km s-min=31.3km az=68.0, Banda Sea

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

IDC 22 19:01:00.7:2.1, 7:52S:144:20E, h0km, mb3.3/2,

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mb1 3.4/5, mb1mx3.3/29, mbtmp3.2/5, ML2.9/2, Error ellipse: s-maj=41.0km s-min=26.3km az=25.0, Near south coast of New Guinea

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

DDA 22 19:06:12.8, 37:58N:44:16E, h7km, M3.1

ISK 22 19:06:13.5, 37:61N:44:10E, h5km, ML2.7/7

ISC 22 19:06:12.7:1.2, 37:61N:0:03:44:13E:0.04, h12km, 12km, n20, a193/29, Turkey-Iran border region

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like YOVA, BASK, CUKT, etc.

NEIC 22 19:09:39.3:0.0, 17:60N:100:91W, h37km, MD4.0 (MEX), After MEX.

MEX 22 19:09:39.4:0.8, 17:60N:100:91W, h37km, 13km, MD4.0, Guerrero

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like ZIIG, CAIG, ARIG, etc.

JMA 22 19:10:53.5:0.4, 44:74N:146:61E, h190km, 4km, M3.6, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JRA, NEM2, JNK, etc.

JMA 22 19:13:35.5:0.1, 39:46N:143:96E, h11km, M3.8

IDC 22 19:13:53.4:9.8, 39:39N:141:21E, h0km, mb3.5/3, mb1 3.5/3, mb1mx3.2/27, mbtmp3.4/3, ML3.0/1, Error ellipse: s-maj=199.2km s-min=20.5km az=93.0

ISC 22 19:13:39.3:2.2, 39:48N:0:09:143:7E:0.1, h11km, n14, a080/17, Off east coast of Honshu

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like MIYJ, MIYV, JTH, etc.

MEX 22 19:39:09.3:0.6, 15:71N:93:72W, h88km, 7km, MD3.9, Near coast of Chiapas

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

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Table with columns: TGIG, CCIG, Comitan, Time, Res, ISC. Includes stations like TGIG, CCIG, Comitan, etc.

ATH 22 19:43:53.5:39:43N:28:22E, h15km, 6km, ML3.2/3, Error ellipse: s-maj=7.2km s-min=2.9km az=252.0

ISCJB 22 19:43:54.4:0.2, 39:43N:0:02:28:25E:0.02, h11km, Error ellipse: s-maj=3.1km s-min=2.7km az=12.7

ISK 22 19:43:54.3, 39:43N:28:25E, h14km, ML3.5/42

DDA 22 19:43:54.7, 39:42N:28:24E, h7km, M3.5

ISC 22 19:43:54.4:0.9, 39:42N:0:02:28:23E:0.02, h11km, n68, a043/71, Turkey

Main table for 1114 section, listing station names, coordinates, and seismic data for various stations like DURS, BALB, DST, etc.

PRK comp=N.1654um,0.5s AML AML 19 44 46.2

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

SGM comp=N.524um,0.6s AML AML 19 45 05.4

Main table for 1114 section, listing station names, coordinates, and seismic data for various stations like GCAM, KLYT, CHOS, etc.

IDC 22 19:52:05.8:1.3, 37:18N:142:03E, h0km, mb3.5/3, mb1 3.6/6, mb1mx3.4/45, mbtmp3.6/6, ML3.3/3, Error ellipse: s-maj=31.1km s-min=20.5km az=115.0

JMA 22 19:52:09.6:0.2, 37:30N:141:87E, h41km, 3km, M3.5

ISC 22 19:52:06.0:2.0, 37:26N:0:05:141:82E:0.07, h4km, 12km, n24, a111/29, mb3.5/3, Near east coast of eastern Honshu

Main table for 1114 section, listing station names, coordinates, and seismic data for various stations like JFK, ONAJ, JFFD, etc.

ASAJ Asahikawa 6.86 S Pn 19 53 49.6 +1.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H1N2, H1N1, H1N3, etc.

22d 21h

RSNC 22:20:21.3:1.3, 6.83N-73.13W, h151km, 5km, ML3.4, Mw3.5, 1C-1D, Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like BARC Barichara, BRRC Barranca, RUSC La Rusia, etc.

GUC 22:20:29:40.5:0.5, 37.60S-74.31W, h24km, 7km, ML3.6, 1C, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like CCSP Temuco, CCHI Chillan, GO06 Curarrehue, etc.

ISCJB 22:20:37:36.1±0.6, 7.72S, 0.05x128.34E, 0.07, h150km, mb3.3/4, Error ellipse: s-maj=10.0km s-min=6.1km az=14.0

ISC 22:20:37:38.0±1.6, 7.66S, 128.26E, h152km, 17km, mb3.2/4, mb1.3/5.9, mb1mx3.3/4.1, mbtmp3.9/9, Error ellipse: s-maj=22.4km s-min=13.6km az=122.0

ISC 22:20:37:37.0±0.7, 7.79S, 0.06x128.42E, 0.09, h150km, n9, ±1876/14, mb3.4/4, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like BATI Baumata, SIJI Sorong, FITZ Fitzroy Crossi, etc.

NIED 22:20:38:00, 39.40N, 143.90E, h11km, Mw3.9 Best double couple: M=7.49000, 1014 NP1=174.00000, 837.00000, 1.56.00000, NP2=35.00000, 860.00000, 113.00000, JMA 22:20:38:34.7±0.2, 39.43N, 143.95E, h12km, M4.3

ISCJB 22:20:38:35.6±0.6, 39.45N, 0.04x143.90E, 0.06, h11km, mb3.6/9, MS3.3/1, Error ellipse: s-maj=7.7km s-min=4.5km az=34.5

ISC 22:20:38:36.9±1.0, 39.44N, 143.73E, h0km, mb3.7/9, mb1.3/8.1/4, mb1mx3.6/5.6, mbtmp3.8/14, ML3.3/5, MS3.0/4, M51.3/0.4, ms1mx2.7/32, Error ellipse: s-maj=22.8km s-min=15.6km az=100.0

ISC 22:20:38:37.3±0.8, 39.45N, 0.05x143.86E, 0.06, h11km, n35, ±182/37, mb3.7/9, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like MIYJ Miyakonagasaki, JTH Tanohata, OFUJ Ofunato, etc.

2012 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like MJAR Matsushiro, JAT Hachiojima, USRK Ussuriysk Arr, etc.

IDC 22:20:42:18.7±0.9, 39.32N, 74.68E, h0km, mb3.6/11, mb1.3/7.15, mb1mx3.5/5.1, mbtmp3.6/15, ML3.1/4, Error ellipse: s-maj=18.5km s-min=16.9km az=173.0, BUJ 22:20:42:19.0±0.9, 39.51N, 74.65E, h5km, ML3.5/3, SOME 22:20:42:19.3, 39.37N, 74.90E, h15km, NNC 22:20:42:23.1±1.5, 39.58N, 74.74E, h0km, mb4.1, mpv3.8, Error ellipse: s-maj=12.0km s-min=4.1km az=168.0, KRNET 22:20:42:23.0±0.1, 39.63N, 74.77E, mb3.7, ISC 22:20:42:20.5±1.4, 39.55N, 0.04x74.81E, 0.03, h5km, n9km, n59, ±2644/90, mb3.6/11, 33C-16D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like KSH Kashi, SFK Sufi-Kurgan, SFK Sufi-Kurgan, etc.

1116

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like KST 42nm, 0.7s, USP Ospenovsky, IZV Izvestkovya, etc.

IEPN 22:21:09:15.0±0.7, 79.9N, 33.31E, h0km, HEL 22:21:09:15.4±0.5, 67.62N, 34.04E, h0km, ML2.3, Explosion

ISCJB 22:21:09:15.6±0.8, 67.57N, 0.03x33.5E, 0.1, h0km, Error ellipse: s-maj=6.7km s-min=4.3km az=171.5, KOLA 22:21:09:17.4, 67.68N, 33.77E, M1.9, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 22ap + CD-ROM, 2014)

NAO 22:21:09:18.0±1.2, 67.70N, 33.64E, ML3.0, IDC 22:21:09:18.3±1.6, 67.74N, 33.69E, h0km, mb1.3/6/5, mb1mx3.2/5.2, mbtmp3.6/5, ML2.9/5, Error ellipse: s-maj=18.2km s-min=8.6km az=86.0

ISC 22:21:09:15.0±1.0, 67.67N, 0.04x33.88E, 0.05, h0km, n41, ±2077/11, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like APA Apatity, APA Apatity Array, APA Apatity Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Saint Saulge, N° bias, Bois d'Angland, etc.

ISCJB 22:37:43.9±0.3, 33°01'N, 0°01'116.22'W, 0.01, h5km, 2km, Error ellipse: s-maj=2.4km s-min=2.0km az=173.5

NEIC 22:37:44.9±0.0, 33°00'N, 116°25'W, h1km, ML4.0(PAS), After PAS.

NEIC Felt (III) at San Diego and (II) at Alpine, Borrego Springs, Escudido and Pine Valley. Felt in much of southern California. Felt at Rosanto, Baja California.

ANF 22:37:44.1±0.2, 33°03'N, 116°23'W, h0.8km, 1km, ML3.9/37, Error ellipse: s-maj=1.4km s-min=1.2km az=14.0

PAS 22:37:44.9±0.3, 33°00'N, 116°25'W, h1km, ML4.0

ECX 22:37:45.5±0.6, 33°00'N, 116°24'W, h4km, MD3.7, ML4.0

MEX 22:37:46.9±0.5, 33°08'N, 116°30'W, h20km, MD4.0

IDC 22:37:52.9±2.5, 33°42'N, 115°65'W, h0km, mb1 3/4, mb1mx3/2/3, mbmp3/0/4, ML3.1/3, Error ellipse: s-maj=36.9km s-min=12.6km az=42.0

ISC 22:37:44.6±0.9, 33°03'N, 0°01'116.23'W, 0.01, h10km, 7km, n128, r150/191, 9C-100, Southern California

Main table of station data for the 22d 22h period, listing station names, coordinates, and various parameters.

Main table of station data for the 2012 DEC period, listing station names, coordinates, and various parameters.

comp=E, 1nm, 0.3s, baz=281, slow=13, SNR=4.9

IDC 22:59:52.3±0.8, 51°18'N, 175°83'E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/56, mbtmp3.8/15, ML2.3/1, MS3.0/1, Ms1 3.0/1, ms1mx2.4/39, Error ellipse: s-maj=24.3km s-min=17.0km az=167.0

ISCJB 22:59:56.0±0.6, 51°19'N, 0°1'175.53E±0.07, h36km, mb3.8/13, MS3.0/1, Error ellipse: s-maj=17.4km s-min=5.2km az=9.9

NEIC 22:59:57.4±0.0, 51°74'N, 175°60'E, h26km, ML3.6(AEIC), After AEIC.

ISC 22:59:58.2±0.7, 51°19'N, 0°1'175.64E±0.05, h36km, n30, r130/228, mb3.8/13, Rat Islands

Table of station data for the 2012 DEC period, listing station names, coordinates, and various parameters.

IDC 22:02:37.2±2.2, 16°15'N, 98°43'W, h0km, mb3.9/6, mb1 4.2/8, mb1mx3.9/36, mbtmp3.9/8, ML3.7/1, MS3.2/3, Ms1 3.2/3, ms1mx2.8/24, Error ellipse: s-maj=42.9km s-min=18.5km az=2.0

ISCJB 22:02:40.2±1.3, 16°11'N, 0°07'98.45W±0.04, h31km, 7km, mb3.9/4, MS4.1/2, Error ellipse: s-maj=11.9km s-min=5.3km az=13.5

MEX 22:02:40.3±1.2, 16°09'N, 98°63'W, h17km, 19km, MD4.1

NEIC 22:02:40.4±0.0, 16°09'N, 98°63'W, h16km, mb4.3/5.5, MD4.1 (MEX), After MEX.

ISC 22:02:38.4±1.4, 16°12'N, 0°05'98.61W±0.03, h13km, 7km, n119, r159/136, mb4.4/5.5, Near coast of Guerrero

Main table of station data for the 2012 DEC period, listing station names, coordinates, and various parameters.

Table of astronomical observations for 2012 DEC, columns include object name (e.g., MKAR, VNA2), coordinates, and various status codes (e.g., PKPK, P, PPKPbc).

Table of astronomical observations for 2012 DEC, columns include object name (e.g., BOSA, BOSa), coordinates, and various status codes (e.g., PKP, PKPdf, PPKP).

Table of astronomical observations for 2012 DEC, columns include object name (e.g., PSZ, PSZ), coordinates, and various status codes (e.g., ePKPdf, PKPdf, PKPPr).

23d 1h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PVRL Vila Real, MVO Moncorvo, SETIF Setif, etc.

IDC 23 00:41:06.4:1.6, 5.46S, -150.96E, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.6/18, mbtmp3.6/4, Error ellipse: s-maj=68.7km s-min=25.6km az=117.0, New Britain region

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

IDC 23 01:00:28.9:0.1, 5.58N, 126.68E, h0km, mb4.2/21, mb1 4.3/21, mb1mx4.2/33, mbtmp4.2/21, MS2.9/4, Ms1 2.9/4, ms1mx2.6/36, Error ellipse: s-maj=32.1km s-min=11.9km az=79.0

MAN 23 01:00:31.8, 10.64N, 126.65E, h1km, mb4.8, ML3.7, MS3.6, ISCBJ 23 01:00:33.2:1.2, 10.61N, 126.83E, 0.07, h43km, 10km, mb4.3/37, MS2.9/2, Error ellipse: s-maj=11.2km s-min=6.4km az=159.0

NEIC 23 01:00:35.7:2.0, 10.55N, 126.77E, h50km, 18km, mb4.5/18, Error ellipse: s-maj=8.6km s-min=4.2km az=71.0

IS 23 01:00:32.6:2.7, 10.65N, 126.79E, 0.05, h23km, 18km, n7.4, c0588/84, mb4.3/37, 1C-1D, Phillipine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BESE Borongan, BESE Borongan, PLP Palo, etc.

2012 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, PETK Petropavlovsk, PETK Petropavlovsk, etc.

MOS 23 01:10:02.8:1.5, 43.27N, 146.69E, h61km, mb4.3/4, Error ellipse: s-maj=17.6km s-min=11.3km az=111.5

ISCBJ 23 01:10:03.4:0.8, 43.27N, 146.54E, 0.06, h60km, 5km, mb3.7/8, Error ellipse: s-maj=10.6km s-min=4.9km az=142.2

JMA 23 01:10:04.0:0.2, 43.21N, 146.50E, h51km, 2km, M3.3, SKHL 23 01:10:04.2:0.1, 43.31N, 146.60E, h69km, 2km, mb4.3/6, IDC 23 01:10:07.7:4.3, 62N, 146.50E, h96km, 41km, mb3.5/7, mb1 3.5/8, mb1mx3.2/38, mbtmp3.8/8, Error ellipse: s-maj=10.2km s-min=4.7km s-min=170.0

IS 23 01:10:04.2:1.3, 43.27N, 146.55E, 0.05, h48km, 10km, n40, c0959/59, mb3.7/8, 2C-1D, Kuril Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NEM2 Nemuro 2, SHO Shikotan, SHO Shikotan, etc.

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

ISCBJ 23 01:40:32.5:1.3, 24.1S, 178.0W, 0.2, h500km, mb3.4/12, Error ellipse: s-maj=25.9km s-min=15.2km az=173.7

IDC 23 01:40:33.8:3.2, 15S, 179.91W, h506km, 10km, mb3.0/5, mb1 3.3/6, mb1mx3.0/23, mbtmp4.0/6, Error ellipse: s-maj=54.4km s-min=25.9km az=23.0

IS 23 01:40:33.4:1.4, 24.2S, 178.0W, 0.2, h500km, n6, c0897/7, mb3.5/4, South of Fiji Islands region

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

IDC 23 01:50:29.6:3.9, 37.32N, 171.93E, h125km, 30km, mb3.4/12, mb1 3.5/18, mb1mx3.4/48, mbtmp3.8/18, MS2.6/1, Ms1 2.6/1, ms1mx2.1/21, Error ellipse: s-maj=30.2km s-min=16.6km az=174.0

NNC 23 01:50:32.1:1.6, 37.59N, 171.48E, h129km, 26km, mb3.5, mpv4.3, Error ellipse: s-maj=15.7km s-min=11.9km az=152.0

IS 23 01:50:28.9:0.5, 37.33N, 171.74E, 0.05, h150km, n60, c0930/60, mb3.5/13, 7C-6D, Afghanistan-Tajikistan border region

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

Table with columns: Call Sign, Frequency, Power, and other technical details. Includes stations like CTAO Charters Tower, PMG Port Moresby, URZ Urewera, etc.

Table with columns: Call Sign, Frequency, Power, and other technical details. Includes stations like WMO comp=Z,27nm,0.7s, PDAR Pinedale Array, TXAR Lajitias Array, etc.

Table with columns: Call Sign, Frequency, Power, and other technical details. Includes stations like DDI comp=N,201nm,0.1s, PRZ Przeval'sk, etc.

23d 6h

Table with columns for station ID, name, coordinates, and status. Includes stations like 550A Richmond, 144A Alexander Plac, 245A Winona, etc.

2012 DEC

Table with columns for station ID, name, coordinates, and status. Includes stations like GOGA Godfrey, Y54A Monticello, Z53A Yeheng, etc.

1130

Table with columns for station ID, name, coordinates, and status. Includes stations like HWA Hwalien, YHNB Yeheng, YHNB Yeheng, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like YULB, TWY, CHNS, WKG, WDLH, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like ZZJH, JMJ, JOW, GZH, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like MKAR, MAKZ, PETK, ZAAO, etc.

23d 6h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BRVK, AAK, UCH, USP, FRU, etc.

2012 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MYKA, PRU, PRA, KBA, MDOK, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MK01, SENIN, BNI, WLF, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like Spitsbergen Ar, Gaotai, BRDH, SONM, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like BJI, YAK, PHET, DBIC, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like COLA, COLA, TCOL, IL1, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like HDIL Hopedale, EGMET Eagleton, etc.

MEX 23 06:38:57.8-0.4, 31.21N-115.60W, h10km, z23km, MD3.5, Baja California

ISCJB 23 06:42:52.0-0.7, 57.72N-102.142.73W, h14km, Error ellipse: s-maj=6.6km s-min=5.1km az=14.0

NEIC 23 06:42:56.0-0.0, 57.62N-142.78W, h12km, ML2.9(AEIC)

After AEIC, PGC 23 06:42:57.8-3.5, 57.85N-142.14W, h10km, ML3.0, 221km

ISC 23 06:42:50.6-1.7, 57.59N-102.142.78W, h14km, n50, 0197/63, Gulf of Alaska

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like KAIM Kayak Island, YKUZ Yakutat, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like SAMH Samovar Hills, RKAV Rock Avalanche, etc.

NNC 23 06:52:59.4-6.4, 37.46N-71.23E, h0km, mb3.9, mpv3.6, 5C, Error ellipse: s-maj=39.4km s-min=30.1km az=158.0

Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Includes stations like SFK Sufi-Kurgan, KK31 Karatay Array, etc.

NEIC 23 07:06:13.7-0.0, 17.57N-95.17W, h3km, MD4.0(MEX), After MEX

MEX 23 07:06:13.7-0.0, 17.57N-95.17W, h3km, MD4.0, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Includes stations like CMIG Matias Romero, CMWG Matias Romero, etc.

ISCN 23 07:12:27.0-1.1, 38.57N-44.89E, h0km, z53km, ML4.2

AZER 23 07:12:30.6-3.3, 38.53N-44.96E, h0km, z1km, m4/2/4, Error ellipse: s-maj=3.3km s-min=2.6km az=15.0

IDC 23 07:12:30.2-0.8, 38.32N-44.82E, h0km, mb3.9/13, mb1 3.9/18, mb1mx3.8/44, mb1mp3.8/18, ML3.2/5, MS3.5/20, Ms1 3.5/20, ms1mx3.3/43, Error ellipse: s-maj=16.7km s-min=11.4km az=177.0

DDA 23 07:12:30.9, 38.43N-44.90E, h5km, ML4.2

TEH 23 07:12:31.9, 38.44N-44.87E, h4km, ML4.2

MOS 23 07:12:31.2, 1.5, 38.36N-44.91E, h10km, mb4.3/16, Error ellipse: s-maj=7.4km s-min=5.0km az=82.8

ISK 23 07:12:31.4, 38.45N-44.79E, h5km, ML4.2/13

THR 23 07:12:32.0-0.5, 38.46N-44.90E, h14km, 9km, ML3.7

NEIC 23 07:12:32.3-0.9, 38.27N-44.91E, h12km, 6km, mb4.1/15, ML4.2(DDA), MN4.2(TEH), Error ellipse: s-maj=7.4km s-min=4.2km az=187.0

ISCJB 23 07:12:33.2-0.3, 38.39N-102.02-44.89E-0.02, h19km, z3km, mb4.2/31, MS3.5/14, Error ellipse: s-maj=2.6km s-min=2.2km az=163.1

NSSP 23 07:12:33.6, 38.50N-44.97E, h10km, Ms4.0

ISC 23 07:12:33.0-0.7, 38.42N-102.02-44.91E-0.02, h16km, 4km, n277, 0197/315, mb4.2/31, MS3.5/14, 36C-23D,

Turkey-Iran border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Includes stations like ISHB Shabestar, IMRD Marand, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like ITBZ Tabriz, ITBZ Ordubad, etc.

ADCV Bostanabad, 1.72 114 ePn Pn 07 13 03.5 -0.4

ADCV BITLIS_Adilcev, 1.76 284 iP Sg 07 13 04.3 -0.9

VADZ Vardenis, 1.87 20 iP Sg 07 13 05.9 -1.2

MLAZ Malazgirt-MUS, 1.98 292 iP Sg 07 13 06.0 -0.3

SIRT Sirt, 2.16 246 ePn Pn 07 13 08.8 +0.2

SIRT Sirt, 2.16 246 ePn Pn 07 13 09.8 +1.2

SIRN Sirt, 2.16 246 iP Sg 07 13 11.0 -1.3

SIRN Sirt, 2.16 246 iP Sg 07 13 13.0 +0.0

SIRN Sirt, 2.16 246 iP Sg 07 13 14.3 +1.3

ISRB Sarab, 2.25 104 ePn IAMB 07 13 22.7

GUR0 Guroymak-BITLI, 2.26 274 PN Pn 07 13 10.0 -0.1

GUR0 Guroymak-BITLI, 2.26 274 ePn Pn 07 13 11.0 +0.9

GUR0 Guroymak-BITLI, 2.32 300 ePn Pn 07 13 15.0 +3.2

GRMI Germi, 2.37 80 ePn Pn 07 13 13.5 -2.1

GRMI Germi, 2.37 80 eSg Sg 07 13 17.0 -2.5

GRMI Germi, 2.37 80 ePn IAML 07 13 49.6

GRMI Germi, 2.37 80 ePn IAML 07 13 50.8

GRMI Germi, 2.37 80 ePn Pn 07 13 13.5 -2.1

EATA Eyleskirt, 2.37 308 iP Pn 07 13 14.3 -1.5

EATA Eyleskirt, 2.37 308 ePn Pn 07 13 14.2 -1.5

EKAR Karacoban, 2.38 282 ePn Pn 07 13 15.5 +0.2

EKAR Karacoban, 2.38 282 ePn Pn 07 13 15.4 -0.3

SRTM Siirt_Merkez, 2.39 261 iP Sg 07 13 16.6 +1.7

SRTM Siirt_Merkez, 2.39 261 iP Sg 07 13 17.4 +2.2

GDB GEDABAY, 2.39 16 iP Sg 07 13 12.7 +0.7

GDB GEDABAY, 2.39 16 ePn Pn 07 13 12.6 +0.7

GDB GEDABAY, 2.47 216 ePn Pn 07 13 12.0 -0.8

MSL MSL, 2.47 216 eSg Sg 07 13 14.0 +1.4

GANJ Ganja, 2.48 26 PN Pn 07 13 14.2 +1.2

GANJ Ganja, 2.48 26 iP Sg 07 13 14.3 +1.2

GANJ Ganja, 2.48 26 ePn Pn 07 13 48.1 +0.4

GAMR Gyumri, 2.53 341 ePn Pn 07 13 12.0 -0.8

GMRZ GMRZ, 2.55 43 iP Sg 07 14 01.0 +6.3

BRDA Brd, 2.55 43 iP Sg 07 13 13.8 -0.1

BRDA Brd, 2.55 43 iP Sg 07 13 49.2 -0.4

BRDA Brd, 2.55 43 iP Sg 07 13 13.8 -0.1

KARS Kars, 2.62 320 ePn Pn 07 13 15.8 +0.7

KARS Kars, 2.62 320 ePn Pn 07 13 17.7 -2.3

QZX Qazax, Azerba, 2.66 8 iP Pn 07 13 16.6 -1.1

QZX Qazax, Azerba, 2.66 8 iP Sg 07 13 53.6 +0.6

QZX Qazax, Azerba, 2.66 8 ePn Pn 07 13 16.6 +1.1

LRK Lerik, 2.70 84 iP Pn 07 13 18.0 +1.8

LRK Lerik, 2.70 84 ePn Pn 07 13 17.9 +1.8

GLBA Cillabad, 2.84 72 iP Pn 07 13 20.0 +2.0

GLBA Cillabad, 2.84 72 ePn Pn 07 13 19.9 +2.0

ZRD Zardab, 2.84 48 iP Pn 07 13 20.6 -3.0

ZRD Zardab, 2.84 48 iP Sg 07 13 58.2 0.0

ZRD Zardab, 2.84 48 ePn Pn 07 13 20.5 -3.0

HOMI Horasan, 2.84 306 iP Pn 07 13 23.4 -0.3

MNGR Mingchevir, A, 2.89 35 PN Pn 07 13 21.1 +2.5

MNGR Mingchevir, A, 2.89 35 iP Pn 07 13 21.1 +2.5

MNGR Mingchevir, A, 2.89 35 ePn Pn 07 13 21.1 +2.5

ETM ETM, 2.92 261 iP Pn 07 13 19.3 +0.1

SVAN Silvan-Diyarba, 2.93 286 PN Pn 07 13 20.2 +1.0

SVAN Silvan-Diyarba, 2.93 286 iP Pn 07 13 26.0 -0.3

BGD Bogdanovka, 3.02 341 P Sg 07 13 26.9 +0.2

BGD Bogdanovka, 3.02 341 iP Sg 07 14 11.3 +1.1

IKRK Kirkuk, 3.04 189 ePn Pn 07 13 20.0 -0.7

IKRK Kirkuk, 3.04 189 eSg Sg 07 13 59.0 +2.2

LKRN Lenkeran, Azer, 3.05 83 PN Pn 07 13 22.7 +2.0

LKRN Lenkeran, Azer, 3.05 83 iP Pn 07 13 22.7 +2.0

LKRN Lenkeran, Azer, 3.05 83 ePn Pn 07 13 22.5 +2.0

ASTR Astar, 3.05 86 iP Pn 07 13 23.7 +0.8

ASTR Astar, 3.05 86 ePn Pn 07 13 23.7 +0.8

ASTR Astar, 3.05 86 ePn Pn 07 14 03.7 -0.4

ASTR Astar, 3.05 86 ePn Pn 07 13 28.7 -0.8

TRLG Trialeti, 3.18 349 P Sg 07 14 08.7 +0.7

TRLG Trialeti, 3.18 349 iP Sg 07 13 30.2 +0.7

AKH Akhalkalaki, 3.18 340 P Sg 07 14 16.2 +0.7

AKH Akhalkalaki, 3.18 340 ePn Pn 07 13 25.0 +2.2

AKH Akhalkalaki, 3.18 340 eSg Sg 07 14 16.2 +0.7

AKH Akhalkalaki, 3.18 340 ePn Pn 07 13 25.0 +2.2

ECAT Cat-ERZURUM, 3.29 292 iP Pn 07 13 31.3 -0.0

SEKA Sheki, 3.30 32 PN Pn 07 13 26.0 +1.7

SEKA Sheki, 3.30 32 iP Pn 07 13 26.0 +1.7

SEKA Sheki, 3.30 32 ePn Pn 07 13 26.0 +1.7

TBLG Delisi, 3.31 358 PN Pn 07 13 26.0 +1.7

TBLG Delisi, 3.31 358 P Sg 07 13 34.4 -2.3

TBLG Delisi, 3.31 358 ePn Pn 07 13 34.4 -2.3

TBLG Delisi, 3.31 358 ePn Pn 07 13 34.4 -2.3

TBLG Delisi, 3.31 358 eSg Sg 07 14 18.1 -1.6

TBLG Delisi, 3.31 358 ePn Pn 07 13 26.1 +1.7

BGOL Bingol, 3.37 281 iP Pn 07 13 32.4 -0.2

GABAL Gabala, 3.39 41 P Sg 07 13 10.5 -3.4

ZNJK Zanjan, 3.47 119 ePn Pn 07 13 28.9 +2.1

ZNJK Zanjan, 3.47 119 ePn Pn 07 13 28.9 +2.1

ZKTA Zakatala, 3.48 22 PN Pn 07 13 28.9 +2.3

ZKTA Zakatala, 3.48 22 iP Pn 07 13 28.9 +2.3

ZKTA Zakatala, 3.48 22 iP Pn 07 13 28.9 +2.3

Table with columns: ZKTA, ZAKALATA, 3.48 22 ePn, Pn, 07 13 28.9 +2.3, etc. Includes stations like ALIB, MAZI, DUS, POL, etc.

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Table with columns: TIP, OTUK, SFLK, KLIM, etc. Includes stations like Borovoye, Ala-Archa, Kashi, etc.

23d 8h

Table with columns: LPAZ, The Paz, 117.89 271, PKIKP, PKPdf, etc. Includes stations like TONANKAI O.B.S., Tokai 2, etc.

IDC 23 08:11:17.6:65.0,16:85S:178.24W,h0km,mb4.0/3,
 mb1 4.2/3,mb1mx3.7/31,mbtmp4.0/3,Error ellipse:
 s-maj=1198.0km s-min=166.5km az=78.0,Fiji Islands
 region

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Op	ISC	Time	Res
							h m s	ISC
STKA	Stephens Creek	39.29	240	P	Op	ISC	08 18 48.4	0.0
WRA	Warramunga Arr	44.99	258	P	P	ISC	08 19 35.1	-0.1
ASAR	Alice Springs	45.24	253	P	P	ISC	08 19 36.9	-0.3

NNC 23 08:58:24.2:3.6,38:24N:106:67E,h10km,34km,mb4.3,
 mpv4.1,Error ellipse: s-maj=16.4km s-min=11.7km
 az=88.0

ISCJB 23 08:58:27.0:0.5,38:52N:104:56E:0.06,h10km,Error
 ellipse: s-maj=7.4km s-min=5.0km az=170.5

TEH 23 08:58:27.6,38:33N:57:00E,h5km,ML3.7

ISC 23 08:58:27.9,38:36N:0:06:57:00E:0.05,h10km,n18,
 s:2502/20,4C-20,Iran-Turkmenistan border region

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Op	ISC	Time	Res
							h m s	ISC
GYA0B	ALIBECK ARRAY	0.98	116	P	P	ISC	08 58 46.2	-0.6
GYA0B							08 59 02.5	+0.7
ISFR	Sfrayin	1.53	148	ePn	Pg	IAMB	08 58 56.8	-0.4
IEIMG	Emangholi	1.61	125	ePn	Pb	IAMB	08 58 57.5	-0.4
IKRD	Kardeh	1.99	142	IAMB	IAMB	IAMB	08 59 00.2	
IAKL	Akheldad	2.25	141	IAMB	IAMB	IAMB	08 59 44.2	
IPAY	Payeh	2.48	139	ePn	Pb	IAMB	08 59 08.2	-0.5
IPAY							08 59 56.8	
SHRO	Shahroud	2.94	199	ePn	Pb	IAMB	08 59 10.3	-2.5
IMOG	Moghan	2.92	140	ePn	Pb	IAMB	08 59 17.0	-3.3
IMYA	Miami	3.19	128	ePn	Pn	IAMB	08 59 20.6	+2.3
IMYA							08 59 34.2	
JRKH	Jarkhoskh	3.63	131	ePn	Pn	IAMB	08 59 26.6	+2.4
JRKH							09 00 36.6	
ISHM	Shahmirzad	3.91	230	ePn	Pn	IAMB	08 59 30.8	+2.6
IALA	Alasht	4.04	237	ePn	Pn	IAMB	08 59 32.7	+2.7
IALA							09 00 27.9	
TABS	Tabas	4.70	179	ePn	Pn	IAMB	08 59 40.9	+1.9
SHRT	Shahrakht	5.41	149	ePn	Pn	IAMB	08 59 50.8	+2.2
ANAR	Anarak	6.50	208	ePn	Pn	IAMB	08 59 56.1	+2.0
YZKH	Yazd	6.27	199	ePn	Pn	IAMB	09 00 02.3	+3.3
AB31	Akutub array	11.10	10	Op	Op	ISC	09 01 05.0	-1.5
AB31							09 03 12.0	+1.4
AKTO	Aktyubinsk	12.10	3	Op	Op	ISC	09 01 19.5	-0.6
AKTO							09 03 34.2	-0.8

DRS 23 09:03:42.0:0.0,40:67N:47:19E,h12km
 MOS 23 09:03:42.1:1.8,40:49N:47:41E,h16km,mb4.0/1,Error
 ellipse: s-maj=36.5km s-min=12.1km az=86.3

NORS 23 09:03:43.1:0.0,40:69N:47:29E,h11km
 ISC 23 09:03:42.0:4.0,40:6N:0:1:47:24E:0.05,h12km,11km,
 n14,c091/27,1D,Azorian Caucasus

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Op	ISC	Time	Res
							h m s	ISC
AKT	Akhty	0.93	231	iPg	Pg	ISC	09 03 59.7	-0.2
AKT							09 04 11.9	-0.1
AKT							09 04 04.5	-0.2
AKT							09 04 20.5	+0.1
AKT							09 04 20.5	+0.1
KSMR	Kasumkent	1.18	34	ePg	Pg	ISC	09 04 04.5	-0.2
KSMR							09 04 20.5	+0.1
KSMR							09 04 20.5	+0.1
URKR	Urkarakh	1.56	11	ePn	Pg	ISC	09 04 12.7	+0.7
URKR							09 04 33.7	+1.5
URKR							09 04 12.7	+0.7
URKR							09 04 33.7	+1.5
DRN	Derbent	1.62	30	ePn	Pb	ISC	09 04 12.0	+0.2
DRN							09 04 33.2	-0.9
UNCR	Uncukul	2.11	351	ePg	Pg	ISC	09 04 22.0	-0.4
UNCR							09 04 50.0	+0.2
UNCR							09 04 22.0	-0.4
UNCR							09 04 50.0	+0.2
TBLG	Delisi	2.19	301	S	Pn	ISC	09 04 21.5	0.0
TBLG							09 04 46.8	+1.5
TBLG							09 04 21.5	0.0
DBC	Dubki	2.41	353	ePn	Pn	ISC	09 04 21.9	+0.6
DBC							09 04 53.0	-1.9
DBC							09 04 21.9	+0.6
DBC							09 04 53.0	-1.9
TRLG	Trialeti	2.54	292	P	Pb	ISC	09 04 26.2	-1.4
TRLG							09 04 58.6	-0.3

TEH 23 09:26:28.7,28:70N:57:33E,h24km,ML3.6
 ISCJB 23 09:26:31.2:0.7,28:66N:0:05:57:0E:0.1,h31km,Error
 ellipse: s-maj=14.6km s-min=6.1km az=9.7

ISC 23 09:26:30.2:1.4,28:72N:0:04:57:2E:0.1,h31km,n16,
 c1501/17,Southern Iran

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Op	ISC	Time	Res
							h m s	ISC
NGRK	Negar Kerman	1.00	338	ePg	Pg	ISC	09 26 49.2	-0.1
NGRK							09 27 05.3	
CHMN	Cheshme madani	1.19	16	ePg	Pn	ISC	09 26 50.8	-0.3
CHMN							09 27 08.3	
NIAN	Nian	1.19	194	ePg	Pb	IAMB	09 26 51.2	-1.0
NIAN							09 27 12.5	
TVBK	TV Kerman	1.32	344	ePg	Pb	IAMB	09 26 54.4	-0.2
TVBK							09 27 25.6	
GENO	Geno	1.58	214	ePn	Pb	IAMB	09 26 58.0	-0.9
GENO							09 27 24.5	
KHGB	Koh Gabri	1.76	340	ePg	Pb	IAMB	09 27 02.0	-0.1
KHGB							09 27 34.9	
SHME	Shamm	2.81	199	ePn	Pn	ISC	09 27 13.0	-0.1
MSFE	Esma-Masafi	3.46	193	ePn	Pn	ISC	09 27 23.8	+1.7
MDH	Madha	3.49	193	ePn	Pn	ISC	09 27 23.1	+0.7
UOSS	Mnazif	3.85	193	ePn	Pn	ISC	09 27 29.1	+1.7
NAZ	Nazwa, Dubai	3.95	200	ePn	Pn	ISC	09 27 30.0	+1.3
HATD	Hatta, Dubai	3.98	194	ePn	Pn	ISC	09 27 29.7	+0.5
ASHO	Ashiyah	4.14	194	ePn	Pn	ISC	09 27 32.3	+1.0
ASUD	Al Ashunh, Dub	4.39	202	ePn	Pn	ISC	09 27 36.3	+1.5
SLWS		7.02	238	S	Pn	ISC	09 29 28.9	-0.7
SLWS							09 28 11.6	+0.7
BTHS		7.33	292	P	Pn	ISC	09 28 15.5	+0.3

IDC 23 09:32:09.8:1.6,13:28S:170:85E,h0km,mb3.6/5,
 mb1 3.9/5,mb1mx3.6/26,mbtmp3.6/5,Error ellipse:
 s-maj=97.2km s-min=24.7km az=145.0, Vanuatu Islands
 region

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Op	ISC	Time	Res
							h m s	ISC
STKA	Stephens Creek	32.58	231	P	Op	ISC	09 38 43.2	0.0
WRA	Warramunga Arr	35.55	254	P	P	ISC	09 39 09.5	+0.3
ASAR	Alice Springs	36.44	248	P	P	ISC	09 39 16.2	-0.5
ILAR	Elieison Array	84.11	17	P	P	ISC	09 44 42.2	-0.1
TXAR	Lajitas Array	92.54	61	P	P	ISC	09 45 23.7	0.0

BUI 23 09:47:25.0,12:10S:167:10E,h247km,mb4.7/23,
 mb4.9/15

IDC 23 09:47:26.0:0.9,12:17S:167:14E,h242km,8km,mb3.9/20,
 mb1 4.0/23,mb1mx4.0/33,mbtmp4.5/23,Error ellipse:
 s-maj=14.1km s-min=11.2km az=131.0

ISCJB 23 09:47:27.2:1.2,12:20S:0:04:167:00E:0:04,
 h262km,11km,mb4.4/138,Error ellipse: s-maj=7.1km
 s-min=6.5km az=165.3

NEIC 23 09:47:28.2:0.8,12:15S:167:03E,h259km,7km,
 mb4.5/116,Error ellipse: s-maj=4.2km s-min=3.8km
 az=96.0

ISC 23 09:47:26.5:0.8,12:17S:167:11E:0:09,h243km,6km,
 h244km:pP-P,n193,c085/204,mb4.5/138,Santa Cruz
 Islands

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Op	ISC	Time	Res
							h m s	ISC
HNR	Honiara	7.54	290	P	Op	ISC	09 49 14.5	+0.4
HNR							09 49 16.0	+1.9
HNR							09 51 02.0	+2.2
HNR							09 49 14.2	+0.1
HNR							09 49 43.6	+0.1
DZM	Mont Dzumac	9.86	184	ePn	Pn	ISC	09 49 44.1	+0.6
TARA	Tarava	14.63	24	ePn	Pn	ISC	09 50 54.0	+0.6
PMG	Port Moresby	19.79	276	P	P	ISC	09 51 40.0	+1.2
PMG							09 51 39.5	+0.6
EIDS	Charters Tower	20.03	246	P	P	ISC	09 51 42.4	+0.1
CTAO	Charters Tower	21.50	246	P	P	ISC	09 51 57.5	+0.8
CTAO							09 52 01.3	
MANU	Manus Island	22.00	296	eP	Pn	ISC	09 52 01.3	0.0
ARMA	Armidale	23.14	216	eP	Pn	ISC	09 52 12.9	+1.3
COEN	Coen	23.38	263	eP	Pn	ISC	09 52 15.3	+1.4
OUZ	Omahuta	23.69	167	eP	Pn	ISC	09 52 18.4	+2.0
URZ	Urewera	27.47	163	eP	Pn	ISC	09 52 50.8	+0.5
BKZ	Black Stump Fm	28.14	164	eP	Pn	ISC	09 52 57.1	+0.7
BFZ	Birch Farm	29.51	166	eP	Pn	ISC	09 53 08.0	-0.4
SNZ	South Karori	29.78	168	eP	Pn	ISC	09 53 11.5	+0.9
THZ	Topohouse	29.91	171	eP	Pn	ISC	09 53 12.3	+0.3
STKA	Stephens Creek	30.58	226	P	P	ISC	09 53 17.7	-0.3
STKA							09 54 06.3	-0.1
KHZ	Kahutara	30.65	171	eP	Pn	ISC	09 53 18.3	0.0
LTZ	Lake Taylor	30.82	173	eP	Pn	ISC	09 53 20.0	+0.1
OXZ	Oxford	31.33	173	eP	Pn	ISC	09 53 26.1	+1.8
RPZ	Rata Peaks	31.61	175	eP	Pn	ISC	09 53 26.6	-0.1
RPZ							09 53 28.1	+1.3
LBZ	Lake Benmore	32.21	176	eP	Pn	ISC	09 53 32.2	+0.3
WBZ	Warramunga Arr	32.37	252	eP	Pn	ISC	09 53 32.8	-0.9
WRAB	Tennant Creek	32.37	252	eP	Pn	ISC	09 53 32.5	-1.2
WR1	Warramunga Arr	32.38	252	eP	Pn	ISC	09 53 32.5	-1.2
WRA	Warramunga Arr	32.38	252					

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IDC 23 10:34:39.0-15.0, 18.82S-176.53W, h291km, 125km, mb3.3/4, mb1 3.5/4, mb1mx3.1/28, mbtmp3.9/4, Error ellipse: s-maj=130.4km s-min=41.4km az=132.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, ILAR Gielson Array, BRTR Keskin Array B, GERES GERES Array B.

IDC 23 10:57:30.5-1.8, 6.78S-128.53E, h0km, mb3.5/1, mb1 3.6/4, mb1mx3.4/43, mbtmp3.5/4, ML3.3/3, MS2.9/1, Ms1 3.1/1, ms1mx2.3/30, Error ellipse: s-maj=57.1km s-min=29.2km az=80.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SIJI Sorong, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, MKAR Makanchi Array.

MEXJZ 23 11:01:05.5-0.6, 14.03N-92.24W, h74km, 34km, MD3.8 ISCBJZ 23 11:01:08.0-0.3, 14.23N-104.92, 18W, 0.03, h54km, mb4.3/76, MS3.7/8, Error ellipse: s-maj=5.9km s-min=2.9km az=27.7

IDC 23 11:01:08.4-4.3, 14.33N-92.12W, h33km, 30km, mb3.9/7, mb1 4.2/10, mb1mx3.8/36, mbtmp4.0/10, ML3.7/3, MS3.6/9, Ms1 3.6/9, ms1mx3.3/32, Error ellipse: s-maj=37.1km s-min=18.4km az=30.7

NEIC 23 11:01:09.4-0.5, 14.19N-92.35W, h35km, mb4.3/90, MD3.8(MEX), Error ellipse: s-maj=8.8km s-min=5.5km az=201.0

UCR 23 11:01:10.8-1.6, 14.26N-92.06W, h36km, 999km, ML3.6, mb4.3(NEIC)

ISC 23 11:01:10.4-0.6, 14.21N-100.07, 92.27W, 0.06, h54km, n306, a158/299, mb4.3/76, MS3.6/8, Near coast of Chiapas

Main table for 23d 11h with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include THIG, PCIG, IXG, APG, APG, APG, CCIG, CCIG, RTR, CEVE, CEVE, SBL, UNIC, TGIG, TGIG, CEDA, CEDA, BOQS, SNET, OPAM, LOMA, LOMA, LFU, CMIG, CMIG, CMIG, VSM, TGUH, CRIN, CRIN, ESTN, MOMM, COPN, COPN, MATN, BOACB, LVIG, TLIG, TLIG, TEIG, JTS, JTS, JTS, MOIG, PAYG, 833A, 833A, 863A, 863A, 058A, 346A, 346A, 655A, 451A, 757A, 553A, BRAL, BRAL, 656A, 656A, 348A, 349A.

2012 DEC

Main table for 2012 DEC with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include HPIG, 244A, 245A, VBMS, 555A, 555A, 657A, 453A, 556A, 249A, WHTX, TXAR, TX31, 352A, 352A, 557A, 250A, 250A, 146A, 353A, 48A, 251A, Z41A, 149A, 252A, 246A, 150A, Z47A, 151A, LRAL, LRAL, ABTX, Z48A, Z49A, 152A, 152A, 255A, Z50A, Z50A, Y46A, Y47A, Y44A, Y48A, X41A, Y52A, Y49A, MIAR, MIAR, 155A, UALR, X37A, X46A, X47A, X51A, X48A, GOGA, Z54A, X49A, Y52A, Y52A, W39A, W39A, X50B, GD2L, W46A, W46A, MNTX, MNTX, WMOK, WMOK, X51A, X51A, W47A, Y54A, W49A, W42A, SWET, W50A, W50A, SDV, SDV, MSTX, MSTX.

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Main table for 1140 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include V47A, V48A, V48A, HHAR, HHAR, U41A, U42A, WVT, WVT, AMTX, AMTX, V50A, U46A, U47A, V51A, TKL, TKL, T41A, T42A, T42A, U48A, T43A, V52A, U49A, V53A, T46A, U50A, T49A, T47A, U51A, S41A, S44A, SIUC, TZTN, TZTN, T49A, T49A, S45A, T50A, U53A, S46A, BNM, CCM, S47A, LPM, LENL, R41A, R42A, R43A, LAZ, R45A, S49A, ANMO, ANMO, ANMO, S50A, AGP, WCI, WCI, R47A, Q41A, OLIL, Q44A, Q44A, R49A, R50A, T25A, T25A, S50A, S50A, SFIN, SFIN, X16A, X16A, S22A, S22A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Mesa Verde, Paradox Valley, Nyswonger Mesa, etc.

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

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

KRNET 23 11:10:58.0.1, 41.47N:70.85E, h16km, mb2.1
SOME 23 11:10:58.2, 41.17N:70.07E, h0km
ISC 23 11:10:59.9, 1.3, 41.33N:01.71E, 0.04, h3km, 12km, n12, e1380/24, 12C-4D, Kyrgyzstan

ISC 23 11:58:16.6:1.4, 36.81N:141.08E, h0km, mb3.3/3, mb1 3.5/4, mb1mx3.3/37, mbtmp3.3/4, ML3.2/1, Error ellipse: s-maj=28.0km s-min=24.6km az=134.0
JMA 23 11:58:17.3, 37.19N:140.89E, h9km, M3.3 Broadband

ISC 23 12:12:10.32:1.1, 0.5577N:163.21E, h46km, 16km, ML3.7, Off east coast of Kamchatka Peninsula
Code Station Name Az Az' Phase ID Time Res h m s ISC

23d 12h

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Table with columns: Code, Station Name, Az, AzE, Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Don Marcelino, Davao City (W), Marisa, etc.

Table with columns: FITZ, Fitzroy Crossi, 22.12 182, eP, P, S. Includes stations like Citeko, Sarigan, Kunigami, Kota Tinggi, etc.

Table with columns: MAJO, Matsushiro, 33.97 17, eP, P, Pmax, 12.59 01.9 -2.2. Includes stations like Matsu-Tunnel, Chengdu, etc.

23d 13h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Greenville, Cord, Princeton, Wiedeman Farm, etc.

ISCJB 23 12:56:56.2,0.6,31.83S,0.03:69.59W,0.04,h120km,6km, Error ellipse: s-maj=5.4km s-min=4.6km az=44.6

SJA 23 12:56:56.7,0.6,31.81S,69.68W,h102km,3km,ML2.7,MW3.2

GUC 23 12:56:56.2,0.5,31.88S,69.97W,h146km,3km,ML3.3

ISC 23 12:56:56.3,1.5,31.84S,69.00:69.60W,0.04,h119km,10km,n1,az=80,13-1D,San Juan Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Leoncito, Uspallata, Zonda, Cerro Valdivia, San Juan, Salagasta, Cerro Villicu, Cerro Villicu, etc.

ISCJB 23 12:59:47.4,0.4,36.49N,0.03:70.24E,0.06,h213km,mb3.8/9, Error ellipse: s-maj=7.0km s-min=3.7km

BUI 23 12:59:47.1,36.43N,70.21E,h213km,mb4.5/7,mb4.8/4 NEIC 23 12:59:48.7,0.6,36.54N,70.18E,h217km,7km,mb4.0/2, Error ellipse: s-maj=9.2km s-min=7.4km az=93.0

ISC 23 12:59:46.9,0.6,36.54N,0.05:70.19E,0.06,h213km,m52,az=21/60,mb3.9/2C-1D,Hindu Kush region

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

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Chuyangaron, Garm, Cherat, Batken, Nilore, Chirah Chowk, Thame Wali, Sufi-Kurgan, Arslanbob, Kashi, etc.

ISC 23 13:08:09.9,1.1,41.1N,126.54E,h0km,mb3.7/7,mb1.3/8,mb1mx3.7/40,mbtmp3.7/8,ML3.9/1, Error ellipse: s-maj=5.4km s-min=15.2km az=62.0

ISCJB 23 13:08:10.0,0.6,41.1N,126.6E,0.2,h10km,mb3.6/7, Error ellipse: s-maj=28.1km s-min=5.9km az=144.1

MAN 23 13:08:11.3,0.7,41.0N,126.5E,0.2,h10km,n11,az=117/12,mb3.8/7,1D,Talaid Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bagumbayan, Cotabato-PC H, BukP, Sijl, Sorong, FITZ, WRA, ASAR, CMAR, STKA, SONM, MKAR, JMA, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Nango, Ichinoseki, Kaneyama, Urakawa-nobuka, Churui, Otama, Akkeshi, Ashorobuto, Matushiro.

IDC 23 13:22:02.1,2.1,18.14N,121.00E,h0km,mb3.3/6,mb1.3/6,mb1mx3.5/50,mbtmp3.3/6, Error ellipse: s-maj=55.3km s-min=19.6km az=62.0

MAN 23 13:22:22.6,18.40N,120.86E,h0km,mb4.5,ML3.3,MS3.1

ISC 23 13:22:24.2,0.2,18.30N,120.86E,0.06,h12km,13km,n15,az=143/19,mb3.2/5,1D,Luzon

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Conner, Dolores, Callao Caves, Mt. Cagua, Cauayan, Palanan, Bolinao, San Manuel, Pa, PCPH, CMAR, WARRAMUNGA ARR, MKAR, ASAR, KURBB, etc.

BUI 23 13:31:37.9,42.40N,141.10E,h10km,mb5.3/71,mb5.6/54,Ms6.1/79,Ms7.5/771

MOS 23 13:31:38.2,0.0,42.41N,141.02E,h0km,MPVA6.6,FELT I-VI,MSK at Sochi, Adler, Dagomys, Khostia, V MSK at Tbilisi, Batumi; VI MSK at Gori, Ozurgeti; III MSK at Cherkessk, Karachayevsk, Zelenchukskaya

TIF 23 13:31:38.8,42.39N,140.91E,h26km,2km

IDC 23 13:31:38.2,0.3,42.41N,141.04E,h0km,mb5.1/46,mb1.5/2/3,mb1mx5.1/6/3,mbtmp.5/3,ML4.2/7,MS5.4/40,MS1.5/4/40,ms1mx5.1/6/3, Error ellipse: s-maj=8.1km s-min=6.1km az=159.0

ISK 23 13:31:39.6,42.32N,140.94E,h9km,ML5.5/30

NEIC 23 13:31:39.0,0.0,42.52N,141.20E,h11km,Moment Tensor Solution. s38 Moment tensor: Scale 107Nm; Mr1:63; Mw:2.12; Mw:3.75; Mw:2.62; Mw:1.72; Mw:0.47; Best double couple: M=4.50000x10^7 NP1=127.00000, s65.00000, s33.00000; NP2=22.00000, s61.00000, s151.00000; Principal axes: T 4.8100, P1g39.0000, Azm346.0000; N -0.5800, P1g49.0000, Azm160.0000; B=4.2300, P1g7.0000, Azm253.0000;

DDA 23 13:31:39.7,42.24N,140.90E,h13km,M15.5

ISCJB 23 13:31:39.3,0.1,42.437N,0.009:40.982E,0.010,h13km,mb5.4/363,MS5.6/569, Error ellipse: s-maj=1.3km s-min=1.0km az=12.7

NEIC 23 13:31:40.8,0.9,42.42N,141.08E,h15km,5km,mb5.5/251,MS5.6/299,MW5.6,MW5.7,ML5.5(SK),ML6.0(TIF), Error ellipse: s-maj=2.8km s-min=2.0km az=185.0, Moment Tensor Solution. s34 Moment tensor: Scale 107Nm; Mr:0.09; Mw:2.78; Mw:2.86; Mw:0.64; Mw:1.69; Mw:0.25; Best double couple: M=3.40000x10^7 NP1=13.00000, s63.00000, s17.00000; NP2=29.00000, s83.00000, s171.00000; Principal axes: T 3.3800, P1g2.0000, Azm344.0000; N -0.0500, P1g78.0000, Azm171.0000; P -3.3300, P1g1.0000, Azm75.0000;

NEIC Felt [V] at Batumi and [III] at Tbilisi. Also felt at Ganjarlik Mukhuri, Gori, K'utaisi, Ozurgeti, Sokhumi and Varacha. Felt [V] at Sochi, Russia. Also felt at Krasnodar. Felt at Trabzon, Turkey.

GCMT 23 13:31:40.9,0.1,42.46N,0.01:41.02E,0.01,h16km, MW5.8/126, Moment Tensor Solution. s106,c205; s126,c376; Duration: 19.9 Moment tensor: Scale 107 Nm; Mr:0.45; Mw:3.05; Mw:5.31; Mw:0.45; Mw:0.45; Best double couple: M=5.59000x10^7 NP1=30.00000, s88.00000, s14.00000; NP2=214.00000, s76.00000, s178.00000; Principal axes: T 5.8900, P1g11.0000, Azm171.0000; N -0.5940, P1g79.0000, Azm313.0000; P -5.3040, P1g8.0000, Azm79.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

GII 23 13:31:40.3,0.5,42.44N,0.02:41.06E,0.02,h13km,n2044,az=160/1949,mb5.5/376,MS5.6/573,76C-109D, Western Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Batumi, Batumi, Borcka, Borcka, Cayelli-Rize, Cayelli-Rize, Krasnaya Polyza, Krasnaya Polyza, Artvin, Artvin, Neytrino, Neytrino, Bademkaya, Agillar, Agillar, Sochi, Sochi, Sochi, Demirkent, Demirkent, Trabzon, Trabzon, Shidzhatmaz, Shidzhatmaz, Oni, Oni, MACK, MACK.

23D 13h

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like VTS Vitosh, VTS Vitosh, VTS Vitosh, etc.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like IVA Berane, RLS Riolos of Patr, RLS Riolos of Patr, etc.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like MORC Taranto, TARI Taranto, ARU Arti, etc.

CADS	Cadrg	19.86 290	eP	P	S	13 36 11.6 +0.5
CADS			eS	P	S	13 39 52.8 -1.6
CADS	Cadrg	19.86 290	eP	P	S	13 36 11.6 +0.5
CADS			eS	P	S	13 39 52.8 -1.6
PVCC	Panska Ves	19.87 303	eP	Pn	S	13 39 52.8 +0.3
PVCC			eS	Pn	S	13 39 55.8 0.0
PVCC			AMS	AMS		13 46 10.0
PVCC	Panska Ves	19.87 303	eP	Pn	S	13 36 13.0 +0.3
PVCC			eS	Pn	S	13 39 55.8 0.0
PVCC			MLR	MLR		
MYKA	Terra Mystica	19.94 292	ePn	Pn		13 36 13.5 -0.1
GEAO	GERESS Array S	20.10 298	eP	P		13 36 14.0 +0.3
GE2C	GERESS Array S	20.10 298	eP	Pn		13 36 14.8 -0.8
GE2C			LR	LR		
GE2C	GERESS Array S	20.10 298	eP	Pn		13 36 14.8 -0.8
GE2C			pmax	pmax		
GE2C			MLR	MLR		
GERES	GERESS Array B	20.10 298	eP	Pn		13 36 15.2 -0.4
GERES			LR	LR		13 46 21.7
KBA	Koelnbreinsper	20.17 293	ePn	Pn		13 36 16.3 -0.1
KHC	Kasperske Hory	20.23 299	eP	P		13 36 15.6 +0.6
KHC			LR	LR		
KHC	Kasperske Hory	20.23 299	eP	Pn		13 36 15.9 -1.1
KHC			ex	x		13 36 31.0
KHC			eS	AMS		13 39 56.6 -5.0
KHC			AMS	AMS		13 45 50.0
KHC	Kasperske Hory	20.23 299	eP	Pmax		13 36 15.6 +0.6
KHC			MLR	MLR		
BRG	Bergsiesshubel	20.34 304	iP	Pn		13 36 17.3 -1.0
BRG			S	S		13 40 07.0 -0.1
AQU	L'Aquila	20.39 279	eP	P		13 36 17.5 +0.6
AQU			LR	LR		
AQU	L'Aquila	20.39 279	eP	Pmax		13 36 17.5 +0.6
AQU			MLR	MLR		
AQU			MLR	MLR		
AQU	L'Aquila	20.39 279	iP	Pn		13 36 18.0 -1.0
SHME	Shamm	20.51 138	iP	P		13 36 18.2 -0.1
BANOM	Banah	20.69 138	iP	P		13 36 20.7 +0.5
BANOM	Banah	20.69 138	iP	P		13 36 20.7 +0.5
UMQ	Umm Al-Quwin	20.72 140	iP	Pn		13 36 22.0 -0.7
UMQ			iP	Pn		13 36 22.1 -0.7
ABTA	Abfaltersbach	20.72 292	eP	P		13 36 21.1 +0.7
VAE	Valguarnera	20.99 267	eP	P		13 36 24.3 +1.1
CLL	Collin	21.02 305	eP	P		13 36 24.4 +0.8
CLL			LR	LR		
CLL	Collin	21.02 305	iP	P		13 36 24.9 +1.4
CLL			ePmax			13 36 27.0
CLL			eS	S		13 40 15.0 -2.2
CLL			ePcP	S		13 40 32.0 +1.9
CLL			LmV			13 47 00.0
CLL	Collin	21.02 305	iP	P		13 36 24.9 +1.4
CLL			eS	P		13 40 15.0 -2.2
CLL			pmax	pmax		
CHM	Chimkent	21.05 81	iP	P		13 36 24.3 +0.3
CHM			eS	S		13 40 20.2 +2.2
CHM			LR	LR		13 47 49.4
FIAT	FINES Array S	21.05 340	eP	P		13 36 23.1 -0.7
FINES	FINES Array S	21.05 340	eP	P		13 36 23.1 -0.6
FINES			S	S		13 40 07.6 -1.0
MSFE	Esma-Masafi	21.10 139	iP	P		13 36 25.0 +0.4
BRLS	Borolday	21.11 79	eP	P		13 36 24.4 -0.2
BRLS			eS	P		13 40 19.9 +0.8
NKC	Novy Kostel	21.14 301	eP	P		13 36 25.9 +1.1
NKC			eS	S		13 40 18.2 -1.4
NKC			AMS	AMS		13 46 20.0
NKC	Novy Kostel	21.14 301	eP	P		13 36 25.9 +1.1
NKC			eS	S		13 40 18.2 -1.4
NKC			MLR	MLR		
NAZ	Nazwa, Dubai	21.17 141	iP	P		13 36 26.1 +0.7
NAZ	Nazwa, Dubai	21.17 141	iP	P		13 36 26.0 +0.7
MDH	Madha	21.21 139	iP	P		13 36 26.0 +0.2
AJN	Aljan	21.23 143	iP	P		13 36 27.1 +1.1
BSD	Bornholm Skovb	21.24 316	iP	P		13 36 24.7 -1.1
BSD	Bornholm Skovb	21.24 316	iP	P		13 36 24.7 -1.1
BSD			pmax	pmax		
BSD			MLR	MLR		
ASUD	AI Ashush, Dub	21.33 142	iP	P		13 36 27.6 +0.6
ASUD	AI Ashush, Dub	21.33 142	iP	P		13 36 27.9 +0.8
FAQ	AI Faqa, Dubai	21.35 141	iP	P		13 36 27.2 0.0
FAQ	AI Faqa, Dubai	21.35 141	iP	P		13 36 27.7 +0.4
WATA	Walderalm	21.38 293	eP	P		13 36 27.4 -0.2
IUG	Iuzhnyay	21.39 81	iP	P		13 36 28.5 +0.7
IUG			eS	S		13 40 27.4 +2.5
IUG			LR	LR		13 47 53.8
UOSS	Minazif	21.47 140	eP	P		13 36 27.7 -0.8
UOSS			LR	LR		
UOSS	Minazif	21.47 140	iP	P		13 36 27.9 -0.6
UOSS			MLR	MLR		
UOSS	Minazif	21.47 140	iP	P		13 36 28.6 +0.1
HATD	Hatta, Dubai	21.53 140	iP	P		13 36 29.2 0.0
HATD	Hatta, Dubai	21.53 140	iP	P		13 36 29.4 +0.2
WDD	Wied Dalam	21.56 261	iP	P		13 36 40.0 +1.1
WDD			LR	LR		
KK31	Karatay Array	21.59 78	iP	P		13 36 30.0 +0.3
ASHO	Ashtiyah	21.62 140	iP	P		13 36 29.8 -0.3
ASHO	Ashtiyah	21.62 140	iP	P		13 36 30.2 0.0
SQTA	Sankt Quirin	21.63 293	eP	P		13 36 30.0 -0.3

MOTA	Moosalm	21.70 293	eP	P		13 36 30.9 -0.2
CLTB	Callabellotta	21.82 266	eP	P		13 36 31.7 -0.6
GRFO	Grafenberg	21.83 300	eP	P		13 36 31.9 -0.4
GRFO			LR	LR		
GRFO	Grafenberg	21.83 300	eP	P		13 36 31.9 -0.4
GRFO			pmax	pmax		
GRFO			MLR	MLR		
RETA	Reutte	21.94 294	eP	P		13 36 32.4 -1.1
FETA	Feichten	21.95 292	eP	P		13 36 33.3 -0.5
MZR	Muzera	21.98 148	iP	P		13 36 35.0 +1.0
ALNE	Al Ain	22.01 142	iP	P		13 36 34.5 +0.1
BRVK	Borovoye	22.18 51	eP	P		13 36 36.4 +0.4
BRVK	Borovoye	22.18 51	eP	P		13 36 36.8 +0.8
BRVK	Borovoye	22.18 51	iP	P		13 36 36.2 +0.2
BRVK			pmax	pmax		
BRVK			MLR	MLR		
FUORN	Ofenpass-Fuorn	22.27 291	eP	P		13 36 36.9 -0.4
FUORN			LR	LR		
FUORN			MLR	MLR		
DAVOX	Davos/Dischmat	22.53 292	eP	P		13 36 39.7 -0.3
DAVOX			LR	LR		13 47 34.5
DAVA	Damuels	22.54 293	eP	P		13 36 38.3 -1.7
COP	Copenhagen	22.76 315	iP	P		13 36 45.5 +3.4
COP	Copenhagen	22.76 315	iP	P		13 36 45.5 +3.4
TUE	Stuetta	22.91 291	eP	P		13 36 43.2 -0.8
TUE			LR	LR		
ARQ	Araqi	22.99 141	iP	P		13 36 45.4 +0.7
STU	Stuttgart	23.06 297	eP	P		13 36 44.6 -0.7
STU			LR	LR		
STU	Stuttgart	23.06 297	eP	P		13 36 44.6 -0.7
STU			pmax	pmax		
STU			MLR	MLR		
HOQ	Hoazin	23.15 139	iP	P		13 36 46.9 +0.4
BIDO	Bidbid	23.60 138	iP	P		13 36 51.3 +0.3
BFO	Black Forest	23.61 296	eP	P		13 36 49.5 -1.4
BFO			LR	LR		
BFO	Black Forest	23.61 296	eP	P		13 36 51.0 +0.1
BSY	Bijsva	23.81 141	iP	P		13 36 53.0 +0.1
BTL5	Baital	23.98 72	iP	P		13 36 53.8 +0.3
BTL5			iS	S		13 41 11.5 +2.2
BTL5			LR	LR		13 48 05.1
SMDO	Samad	23.95 138	iP	P		13 36 55.0 +0.6
WSAR	Wadi Sarin	24.09 137	eP	P		13 36 55.8 +0.2
WSAR			LR	LR		13 47 21.6
WSAR	Wadi Sarin	24.09 137	eP	P		13 36 55.9 +0.2
WSAR			S	S		13 41 20.6 +7.7
SENIN	Lac Senin/Sane	24.32 291	eP	P		13 36 56.5 -1.3
SENIN			LR	LR		
HFS	Hagfors	24.34 326	iP	P		13 36 57.8 +0.2
HFS			LR	LR		13 47 35.3
HFS	Hagfors	24.34 326	iP	P		13 36 57.8 +0.2
HFS			pmax	pmax		
ECH	Echery	24.39 295	eP	P		13 36 55.8 -2.4
ECH			LR	LR		
ECH	Echery	24.39 295	eP	P		13 36 55.8 -2.4
ECH			pmax	pmax		
ECH			MLR	MLR		
SFK	Sufi-Kurgan	24.45 85	iP	P		13 36 59.5 +0.5
AAK	Ala-Archa	24.55 78	iP	P		13 37 01.5 +1.6
AAK			LR	LR		13 46 47.4
AAK	Ala-Archa	24.55 78	iP	P		13 37 01.2 +1.3
AAK			S	S		13 41 26.1 +5.7
AAK	Ala-Archa	24.55 78	iP	P		13 37 01.3 +1.3
AAK			pmax	pmax		
AAK			MLR	MLR		
JMDO	Jabal Madar	24.56 139	iP	P		13 37 00.2 +0.2
FRU	Bishkek	24.60 78	iP	P		13 37 00.0 -0.2
FRU			pmax	pmax		
FRU	Bishkek	24.62 78	eP	P		13 37 01.7 +1.3
FRU			pmax	pmax		
FRU	Bishkek	24.62 78	eP	P		13 37 01.7 +1.3
FRU			pmax	pmax		
MUD	Monsted U'grnd	24.75 316	iP	P		13 37 03.9 +2.6
MUD			MLR	MLR		
MUD	Monsted U'grnd	24.75 316	iP	P		13 37 03.9 +2.6
MUD			MLR	MLR		
WBK	Wadi Bani Khal	24.79 137	iP	P		13 37 03.5 +1.5
BNI	Bardonecchia	24.86 288	eP	P		13 37 02.8 +0.1
BNI			LR	LR		
BNI	Bardonecchia	24.86 288	eP	P		13 37 02.8 +0.1
BNI			pmax	pmax		
BNI			MLR	MLR		
BNI			MLR	MLR		
WTSB	Winterswijk	24.94 304	eP	P		13 37 05.4 +2.4
WLF	Walferdange	25.11 299	eP	P		13 37 05.5 +0.9
WLF			LR	LR		
WLF	Walferdange	25.11 299	eP	P		13 37 05.5 +0.9
WLF			pmax	pmax		
WLF			MLR	MLR		
WLF	Walferdange	25.11 299	iP	P		13 37 06.3 +1.7
MEM	Membach	25.27 301	iP	P		13 37 08.1 +2.0
HGN	Heimansgroeve	25.33 301	eP	P		13 37 08.6 +1.9

HGN			eS	S		13 41 49.9 +1.8
HGN			eL	L		13 49 15.9
KEST	Kesra	25.41 265	eP	P		13 37 09.0 +1.4
KEST			P	P		
KEST			LR	LR		13 37 09.0 +1.4
BEBN	Eben Emael	25.50 301	iP	P		13 37 10.2 +2.1
OSL	Oslo	25.50 324	eP	P		13 37 08.6 +0.5
APA	Apatity	25.52 353	iP	P		13 37 08.6 +0.4
APA			iS	S		13 41 33.3 -2.0
APA			pmax	pmax		
APA			MLR	MLR		
NC602	NORSAR Array S	25.56 326	eP	P		13 37 09.1 +0.4
NC602	NORSAR Array S	25.56 326	eP	P		13 37 09.6 +0.9
KUU	Kurty	25.66 75	iP	P		13 37 11.2 +1.5
KUU			eS	S		13 41 41.3 +3.5
KUU			LR	LR		13 49 21.1
NC405	NORSAR Array S	25.70 327	eP	P		13 37 09.9 0.0
LVZ	Lovozero	25.75 354	iP	P		13 37 10.4 +0.1
LVZ			pmax	pmax		
LVZ	Lovozero	25.75 354	iP	P		

Table with columns for flight codes (e.g., TEZP, TOC2, TOC1), destinations (e.g., Torodi Ar. Sit, Torodi Ar. Sit), times, and other flight details.

Table with columns for flight codes (e.g., HHC, ILULI, SFJD), destinations (e.g., Kangerlussuaq, Kangerlussuaq), times, and other flight details.

Table with columns for flight codes (e.g., ZEA, ZEA, ZEA), destinations (e.g., Zeya, Zeya), times, and other flight details.

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Table with columns for call sign, frequency, power, and other technical details. Includes entries like QIZ, GZH, BILL, USURK, MA2, TPTI, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes entries like MYKOM, SSSI, INK, KRIJ, COL, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes entries like YKWS, YKA, YKA, YKA, etc.

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GLI	Glacier Island	76.82	4	PFAKE	LR	13 43 40.0 +8.6
GLI						
RSO	Redoubt South	76.83	7	eP	P	13 43 31.9 +0.2
H56A	Edgin	76.84	319	P	P	13 43 31.9 +0.2
BMRM	Bremner River	76.84	3	PFAKE	LR	13 43 40.0 +8.4
BMRM						
E51A	G1948 Merrick	76.90	322	P	P	13 43 32.6 +0.5
DBJI	Drumaga	76.91	112	P	P	13 43 34.6 +2.1
HYT	Haines Junctio	77.08	359	PFAKE	LR	13 43 40.0 +7.0
WHY	Whitehorse	77.20	358	eP	P	13 43 33.6 -0.1
WHY						
EYAK	Cordova Ski Ar	77.22	3	eP	P	13 43 34.9 +1.4
EYAK						
H55A	Tweed	77.31	320	P	P	13 43 35.5 +1.0
SPIA	Saint Paul Isl	77.32	17	PFAKE	LR	13 43 50.0 +1.6
SPIA						
F52A	Sundridge	77.38	322	P	P	13 43 35.0 +0.2
RAGM	Ragged Mountai	77.42	3	PFAKE	LR	13 43 50.0 +1.5
RAGM						
D48A	Paudash Townsh	77.44	324	P	P	13 43 35.8 +0.7
SEW	Seward	77.45	5	PFAKE	LR	13 43 50.0 +1.5
SEW						
E50A	Wahnapitae	77.54	323	P	P	13 43 36.1 +0.4
F51A	Arnstein	77.55	322	P	P	13 43 36.0 +0.3
G53A	Haliburton	77.56	321	P	P	13 43 36.2 +0.4
BRLK	Bradley Lake	77.68	6	PFAKE	LR	13 43 50.0 +1.4
BRLK						
LEM	Lembang	77.70	111	LR	LR	14 24 16.8
LEM	Lembang	77.70	111	P	P	13 43 40.3 +3.1
HOM	Homer	77.72	7	PFAKE	LR	13 43 50.0 +1.4
HOM						
I55A	Frankford	77.80	320	P	P	13 43 38.1 +0.9
CNPM	China Poot	77.89	6	eP	LR	13 43 41.5 +4.1
CNPM						
SADO	Sadowa	78.07	321	eP	P	13 43 39.3 +0.6
SADO						
D47A	Chapleau	78.09	325	P	P	13 43 39.3 +0.6
E48A	Lockeyer	78.13	324	P	P	13 43 39.2 +0.3
FFC	Flin Flon	78.19	339	eP	P	13 43 39.1 0.0
FFC						
PAL	Palisades	78.29	319	PFAKE	LR	13 43 40.6 +1.4
PAL						
PAL	Palisades	78.29	316	P	P	13 43 40.5 +0.6
CISI	Cisompet, Garu	78.36	112	PFAKE	LR	13 43 50.0 +9.3
CISI						
SKAG	Skagway	78.42	358	PFAKE	LR	13 43 50.0 +1.0
SKAG						
BINY	Binghamton	78.47	318	eP	P	13 43 41.2 +0.3
BINY						
BINY	Binghamton	78.47	318	P	P	13 43 41.6 +0.6
H52A	Wyevale	78.52	321	P	P	13 43 41.8 +0.7
ODNJ	Ogdensburg	78.59	316	eP	P	13 43 42.2 +0.6
ODNJ						
D46A	Sault Ste Mari	78.61	325	P	P	13 43 42.5 +0.9
F49A	Sandfield	78.63	323	P	P	13 43 42.2 +0.5
E47A	Iron Bridge	78.63	324	P	P	13 43 42.5 +0.8
BRNJ	Basking Ridge	78.86	316	PFAKE	LR	13 43 50.0 +6.9
BRNJ						
KPJI	Karang Pucung	78.97	111	P	P	13 43 49.7 +5.7
MMNY	MMNY	79.02	319	eP	P	13 43 44.4 +0.4
MMNY						
I52A	Shelburne	79.09	321	P	P	13 43 44.3 0.0
E46A	Sault Ste Mari	79.14	325	P	P	13 43 44.6 0.0
DLBC	Dease Lake	79.21	355	eP	P	13 43 46.1 +1.3
DLBC						
BESE	Bessie Mountai	79.28	358	PFAKE	LR	13 44 00.0 +1.5
BESE						
N59A	State Game Lan	79.31	317	eP	P	13 43 46.5 +0.9
N59A						
N59A	State Game Lan	79.31	317	P	P	13 43 46.1 +0.5
KDAK	Kodiak Island	79.49	7	eP	P	13 43 46.8 +0.6
KDAK						
KDAK	Kodiak Island	79.49	7	eP	P	13 43 46.8 +0.6
KDAK						
JIS	Juneau Island	79.58	358	PFAKE	LR	13 44 00.0 +1.3
JIS						
G47A	Hillman	79.89	324	P	P	13 43 50.1 +1.5
E43A	Lone Tree Farm	80.26	326	eP	P	13 43 51.3 +0.7
E43A						
E43A	Lone Tree Farm	80.26	326	P	P	13 43 49.1 -1.5
MVL	Millersville	80.29	316	eP	P	13 43 51.1 +0.2
PAGS	Pennsylvania G	80.31	317	PFAKE	LR	13 44 00.0 +9.0
PAGS						
ULM	Lac du Bonnet	80.31	334	P	P	13 43 49.5 -1.3
ULM						
ULM	Lac du Bonnet	80.31	334	eP	P	13 43 50.3 -0.5
ULM						
ULM	Lac du Bonnet	80.31	334	eP	P	13 43 50.3 -0.5
ULM						
K52A	Tillsonburg	80.33	321	P	P	13 43 50.5 -0.6
D41A	Chassel	80.33	328	PFAKE	LR	13 44 00.0 +9.0
D41A						
F44A	Big Bay de Noc	80.34	326	P	P	13 43 51.5 +0.5
UGM	Wanagama	80.49	110	PFAKE	LR	13 44 00.0 +7.7

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UGM	comp=Z,2j,2m,21.0s	LR	LR	
ERPA	Erie	80.49	320	PFAKE
ERPA				
ERPA	comp=Z,2j,19.0s	80.49	320	P
ERPA				
GLMI	Grayling	80.49	324	P
GLMI				
E42A	Champion	80.58	327	P
E42A				
SSPA	Standing Stone	80.59	318	eP
SSPA				
SSPA	comp=Z,2j,21.0s	80.59	318	P
SSPA				
EYMN	Ely	80.72	330	eP
EYMN				
EYMN	comp=Z,2j,19.0s	80.72	330	P
EYMN				
F43A	Flat Rock, Esc	80.77	326	P
F43A				
G45A	Suttons Bay	80.77	325	P
G45A				
M54A	Oil Creek Stat	80.80	319	eP
M54A				
M54A	comp=Z,4j,21.0s	80.80	319	P
M54A				
SIT	Sitka	80.82	358	PFAKE
SIT				
ATKA	Atka Island	80.91	21	PFAKE
ATKA				
ALLY	Alegheny Colle	80.92	320	PFAKE
ALLY				
H46A	File Lake	80.97	324	P
H46A				
E41A	Kenton	80.98	328	P
E41A				
SDMP	Soldier's Deil	80.98	316	PFAKE
SDMP				
J49A	Marlette	80.99	322	P
J49A				
N55A	Marion Center	81.02	318	P
N55A				
I47A	Gladwin	81.08	324	P
I47A				
O56A	Blue Knob Stat	81.20	318	PFAKE
O56A				
O56A	comp=Z,2j,20.0s	81.20	318	P
O56A				
UNV	Unalaska Valle	81.21	16	PFAKE
UNV				
K50A	Casco	81.22	322	P
K50A				
F42A	Maple Grove Fa	81.22	327	P
F42A				
DAV	Davao City (W)	81.24	88	LR
DAV				
DAV	Davao City (W)	81.24	88	PFAKE
DAV				
KBKI	Kotabaru	81.29	103	P
KBKI				
J48A	Bridge Port	81.33	323	P
J48A				
WRAK	Wrangell Islan	81.35	356	PFAKE
WRAK				
N54A	Moraine State	81.38	319	PFAKE
N54A				
N54A	comp=Z,3j,20.0s	81.38	319	P
N54A				
G43A	Wallace	81.44	326	PFAKE
G43A				
G43A	comp=Z,3j,19.0s	81.44	326	P
G43A				
MPSI	Mapaga	81.53	97	P
MPSI				
I46A	Red City	81.56	324	P
I46A				
K49A	Clarkson	81.59	322	P
K49A				
O55A	Ligonier	81.62	318	P
O55A				
F41A	Three Lakes	81.63	327	PFAKE
F41A				
F41A	comp=Z,4j,22.0s	81.63	327	P
F41A				
E39A	Mellen	81.67	328	P
E39A				
G42A	Mountain	81.76	327	eP
G42A				
G42A	comp=Z,115nm,1.4s	81.76	327	LR
G42A				
G42A	comp=Z,3j,20.0s	81.76	327	P
G42A				
E38A	The Farm, Brul	81.87	329	eP
E38A				
E38A	comp=Z,2j,21.0s	81.87	329	LR
E38A				
K48A	Perry	81.87	323	P
K48A				
L50A	Kingsville	81.88	321	P
L50A				
F40A	Park Falls	81.88	328	P
F40A				
N53A	Lisbon	81.91	319	P
N53A				
AGMN	Agassiz Nation	81.98	333	P
AGMN				
AAM	Ann Arbor	82.06	322	PFAKE
AAM				
AAM	comp=Z,2j,22.0s	82.06	322	LR
AAM				
G41A	Antigo	82.09	327	P
G41A				
H43A	Windswept, Lux	82.12	326	PFAKE
H43A				
H43A	comp=Z,3j,20.0s	82.12	326	LR
H43A				
M51A	Elyria	82.14	321	P
M51A				
CBN	Corbin Frederi	82.16	316	eP
CBN				
CBN	comp=Z,3j,18.0s	82.16	316	LR
CBN				
CBN	Corbin Frederi	82.16	316	P
CBN				
O54A	Avella	82.16	319	P
O54A				
F39A	Loretta	82.20	328	P
F39A				
L49A	Milan	82.26	322	P
L49A				
MCWV	Mont Chateau	82.30	318	PFAKE
MCWV				
MCWV	comp=Z,2j,18.0s	82.30	318	LR
MCWV				
CRAG	Craig	82.34	357	PFAKE
CRAG				
CRAG	comp			

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JFWS Jewell Farm	84.42 326	P	P	13 44 12.6 +0.1
DGMT Dagmar	84.43 338	eP	P	13 44 13.2 +0.7
DGMT		LR	LR	
DGMT Dagmar	84.43 338	P	P	13 44 12.8 +0.4
BLA Blacksburg	84.47 317	eP	P	13 44 13.0 +0.1
BLA		LR	LR	
BLA Blacksburg	84.47 317	eP	Pmax	13 44 13.0 +0.1
BLA		MLR	MLR	
BLA Blacksburg	84.47 317	P	P	13 44 13.7 +0.8
Q51A Peebles	84.50 320	eP	P	13 44 13.2 +0.3
Q51A		LR	LR	
Q51A Peebles	84.50 320	P	P	13 44 13.0 0.0
DIB Dawson Inlet	84.57 356	PFAKE	LR	13 44 20.0 +7.0
DIB		LR	LR	
N46A Monticello	84.57 323	P	P	13 44 13.4 +0.1
LWUI Luwuk	84.58 96	PFAKE	LR	13 44 20.0 +6.4
LWUI		LR	LR	
J39A Decorah	84.66 327	P	P	13 44 14.3 +0.7
CNCC Cliffs of the	84.67 314	PFAKE	LR	13 44 30.0 +16
CNCC		LR	LR	
K41A Shullsburg	84.70 326	P	P	13 44 14.0 +0.1
R52A Cattlettsburg	84.70 319	P	P	13 44 13.7 -0.2
P49A Miami Univ. Ec	84.74 321	P	P	13 44 13.9 -0.2
M44A Midewin, Midew	84.75 324	eP	P	13 44 14.7 +0.5
M44A		LR	LR	
M44A Midewin, Midew	84.75 324	P	P	13 44 13.2 -0.9
O47A Sheridan	84.85 322	P	P	13 44 14.1 -0.6
L42A Oliver, Polo	84.93 325	PFAKE	LR	13 44 30.0 +15
L42A		LR	LR	
L42A Oliver, Polo	84.93 325	P	P	13 44 15.5 +0.5
Q50A Georgetown	84.94 320	P	P	13 44 15.3 +0.1
N45A Kentland	84.95 323	P	P	13 44 15.8 +0.6
K40A Colesburg	84.96 327	P	P	13 44 16.0 +0.8
KAPI Kappang	85.06 101	PFAKE	LR	13 44 30.0 +14
KAPI		LR	LR	
M43A Waltham Townsh	85.10 325	P	P	13 44 16.4 +0.5
P48A Milroy	85.13 321	P	P	13 44 15.1 -0.9
SFIN Lafayette	85.15 323	PFAKE	LR	13 44 30.0 +14
SFIN		LR	LR	
SFIN Lafayette	85.15 323	P	P	13 44 16.3 +0.1
R51A Hillsboro	85.19 319	P	P	13 44 16.1 -0.3
L41A Preston	85.22 326	P	P	13 44 16.9 +0.4
Q49A Aurora	85.25 321	P	P	13 44 17.2 +0.5
K39A Oselven	85.26 327	P	P	13 44 16.8 +0.1
N44A Piper City	85.27 324	P	P	13 44 17.2 +0.5
BBB Bella Bella	85.29 353	PFAKE	LR	13 44 30.0 +13
BBB		LR	LR	
M42A Sheffield	85.43 325	P	P	13 44 16.9 -0.6
S52A Salyersville	85.43 319	P	P	13 44 18.0 +0.4
P47A Martinsville	85.50 322	P	P	13 44 17.3 -0.6
L40A Anamosa	85.53 326	eP	P	13 44 17.7 -0.3
L40A		LR	LR	
L40A Anamosa	85.53 326	P	P	13 44 17.8 -0.3
R50A Paris	85.56 320	P	P	13 44 19.1 +0.9
N43A Stutzman Famil	85.60 325	P	P	13 44 18.6 +0.2
Q48A North Vernon	85.70 321	P	P	13 44 19.2 +0.3
S51A Beattyville	85.71 319	eP	P	13 44 19.4 +0.4
S51A		LR	LR	
S51A Beattyville	85.71 319	P	P	13 44 19.2 +0.1
L39A Vinton	85.80 327	P	P	13 44 19.4 +0.1
P46A Rosedale	85.82 323	P	P	13 44 18.9 -0.6
M41A Milan	85.82 326	P	P	13 44 19.2 -0.2
T52A Hallie	85.83 318	P	P	13 44 20.1 +0.4
BLO Bloomington	85.87 322	eP	P	13 44 20.2 +0.4
BLO		LR	LR	
BLO Bloomington	85.87 322	eP	Pmax	13 44 20.2 +0.4
BLO		MLR	MLR	
O44A Mansfield	85.94 324	P	P	13 44 20.6 +0.5
R49A Shelbyville	85.95 320	P	P	13 44 20.3 +0.1
HDIL Hopedale	85.97 324	eP	LR	13 44 21.0 +0.8
HDIL		LR	LR	
HDIL Hopedale	85.97 324	P	P	13 44 20.7 +0.5
Q47A Bedord North L	86.01 322	P	P	13 44 19.9 -0.6
N42A Yates City	86.06 325	P	P	13 44 21.5 +0.8
S50A Richmond	86.07 320	P	P	13 44 21.7 +0.9
P45A Graceland, Par	86.13 323	eP	P	13 44 21.1 +0.1
P45A		LR	LR	
P45A Graceland, Par	86.13 323	P	P	13 44 21.2 +0.1
ECSD EROS Data Cent	86.19 331	eP	P	13 44 21.6 +0.4
ECSD		LR	LR	
ECSD EROS Data Cent	86.19 331	P	P	13 44 21.9 +0.6
R48A Northridge Ran	86.19 321	P	P	13 44 21.7 +0.3
M40A Post Highland	86.20 326	P	P	13 44 21.1 -0.2
O43A Sugar Creek Fa	86.20 324	P	P	13 44 21.1 -0.2
U53A Fall Branch	86.22 318	P	P	13 44 21.7 +0.1
PLAI Plampang	86.24 105	P	P	13 44 19.0 -2.9
EGMT Eagleton	86.30 341	eP	P	13 44 21.6 -0.2
EGMT		LR	LR	

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EGMT Eagleton	86.30 341	P	P	13 44 22.3 +0.4
SUSD Miller	86.39 333	P	P	13 44 23.1 +0.8
M39A Webster	86.41 327	P	P	13 44 22.8 +0.5
S49A Springfield	86.41 320	P	P	13 44 23.7 +1.2
T51A Gray	86.42 319	P	P	13 44 22.7 +0.1
KDI Kendari	86.43 99	P	P	13 44 23.1 +0.3
SCIA State Center	86.46 328	eP	P	13 44 23.4 +0.7
SCIA		LR	LR	
N41A Harden Midland	86.51 325	eP	P	13 44 21.9 -0.9
N41A		LR	LR	
N41A Harden Midland	86.51 325	P	P	13 44 23.4 +0.5
WCI Wyandotte Cave	86.52 321	eP	P	13 44 23.1 +0.1
WCI		LR	LR	
WCI Wyandotte Cave	86.52 321	ePmax	Pmax	13 44 23.1 +0.1
WCI		MLR	MLR	
WCI Wyandotte Cave	86.52 321	P	P	13 44 22.8 -0.2
KMSC Kings Mountain	86.54 316	eP	P	13 44 23.6 +0.5
KMSC		LR	LR	
KMSC Kings Mountain	86.54 316	P	P	13 44 24.0 +0.8
TZTN Tazewell	86.56 318	eP	P	13 44 23.7 +0.5
TZTN		LR	LR	
P44A Sand Creek, Wi	86.57 323	P	P	13 44 23.3 +0.1
R47A Worly Knot Far	86.58 321	P	P	13 44 23.4 +0.1
U52A Thorn Hill	86.59 318	P	P	13 44 23.2 -0.2
LAO LASA Array	86.62 338	eP	LR	13 44 22.5 -0.9
LAO		P	P	13 44 23.7 +0.3
LAO LASA Array	86.62 338	P	P	13 44 23.4 -0.2
N40A Mettuke, Sal	86.66 326	P	P	13 44 40.0 +16
N40A		LR	LR	
N40A Mettuke, Sal	86.66 326	P	P	13 44 23.7 +0.3
TNTI Ternate	86.75 92	PFAKE	LR	13 44 23.7 -0.8
TNTI		LR	LR	
TNTI Ternate	86.75 92	P	P	13 44 24.2 -0.2
T50A Nancy	86.81 320	P	P	13 44 24.9 +0.5
P43A Skaggs, Parnee	86.82 324	P	P	13 44 24.3 -0.2
Q45A Warren Harvey	86.83 323	P	P	13 44 24.8 +0.1
S48A Wiedeman Farm,	86.87 321	P	P	13 44 25.1 +0.2
V53A Saluda	86.88 317	eP	LR	13 44 26.0 +1.2
V53A		LR	LR	
V53A Saluda	86.88 317	P	P	13 44 26.2 +1.2
U51A La Follette	86.92 319	P	P	13 44 25.6 +0.6
OLIL Olney	86.94 323	eP	LR	13 44 25.8 +0.5
OLIL		LR	LR	
OLIL Olney	86.94 323	P	P	13 44 25.8 +0.6
O41A Passleys Farm,	87.01 325	P	P	13 44 25.8 +0.5
PAULI Pauline	87.04 316	eP	P	13 44 26.5 +0.9
PAULI		LR	LR	
PAULI Pauline	87.04 316	P	P	13 44 25.2 -0.5
T49A Edinonton	87.07 320	eP	LR	13 44 25.5 -0.2
T49A		LR	LR	
T49A Edinonton	87.07 320	P	P	13 44 25.9 +0.1
R46A Gibon Southern	87.10 322	P	P	13 44 25.8 -0.2
V52A Sevierville	87.14 318	eP	LR	13 44 26.6 +0.5
V52A		LR	LR	
V52A Sevierville	87.14 318	P	P	13 44 27.4 +1.1
JSC Jenkinsville	87.17 316	eP	Pmax	13 44 27.4 +1.1
JSC		LR	LR	
JSC Jenkinsville	87.17 316	eP	Pmax	13 44 26.1 -0.2
JSC		MLR	MLR	
JSC Jenkinsville	87.17 316	P	P	13 44 20.0 +14
P42A Winchester	87.22 325	PFAKE	LR	13 44 25.8 -0.6
P42A		LR	LR	
P42A Winchester	87.22 325	P	P	13 44 26.2 -0.6
U50A Jamestown	87.29 319	P	P	13 44 26.1 -0.7
S47A Hartford	87.31 321	P	P	13 44 27.4 +0.2
TKL Tuckaleechee C	87.37 318	eP	LR	13 44 27.4 +0.2
TKL		LR	LR	
TKL Tuckaleechee C	87.37 318	eP	Pmax	13 44 27.4 +0.2
TKL		MLR	MLR	
TKL Tuckaleechee C	87.37 322	PFAKE	LR	13 44 26.6 -0.6
USIN USIN	87.38 322	P	P	13 44 28.1 +0.4
R45A Glylar, Fairri	87.45 317	P	P	13 44 27.3 -0.2
W53A Cullowhee	87.46 325	P	P	13 44 27.9 +0.2
P41A Barry, Barry	87.47 317	eP	P	13 44 27.1 -0.6
BG3 Lake Jocassee	87.47 317	eP	LR	13 44 27.8 +0.1
BG3		LR	LR	
BG3 Lake Jocassee	87.47 317	P	P	13 44 20.0 +12
T48A Bowling Green	87.47 321	P	P	13 44 28.1 +0.2
Q43A New Douglas	87.48 324	P	P	13 44 28.1 +0.1
NHSC New Hope	87.52 314	PFAKE	LR	13 44 28.1 +0.1
NHSC		LR	LR	
NHSC New Hope	87.52 314	P	P	13 44 28.4 +0.2
V51A Loudon	87.54 318	eP	LR	13 44 27.8 -0.2
V51A		LR	LR	
V51A Loudon	87.54 318	P	P	13 44 28.4 +0.2
JTMT Jette	87.58 344	eP	LR	13 44 26.7 -1.6
JTMT		LR	LR	
JTMT Jette	87.58 344	P	P	13 44 26.8 -1.8
SANI Sanborn	87.62 95	P	P	13 44 29.2 +0.9
NEW Newport	87.65 346	eP	LR	13 44 29.2 +0.9
NEW		LR	LR	
NEW Newport	87.65 346	eP	P	13 44 29.2 +0.9

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NEW Newport	87.65 346	P	P	13 44 28.9 +0.6
U49A Red Boiling Sp	87.66 320	P	P	13 44 28.0 -0.6
HODGE Hodges	87.73 316	PFAKE	LR	13 44 40.0 +11
HODGE		LR	LR	
Q42A Golden Eagle	87.86 324	P	P	13 44 28.5 -0.9
W52A Murphy	87.89 318	PFAKE	LR	13 44 40.0 +10
W52A		LR	LR	
W52A Murphy	87.89 318	P	P	13 44 40.0 +10
CPCT Cooper Cave	87.90 318	PFAKE	LR	13 44 40.0 +10
CPCT		LR	LR	
T47A Sharon Grove	87.91 321	PFAKE	LR	13 44 40.0 +10
T47A		LR	LR	
T47A Sharon Grove	87.91 321	P	P	13 44 29.1 -0.6
B08A Colville Reser	87.94 347	PFAKE	LR	13 44 40.0 +10
B08A		LR	LR	
B08A Colville Reser	87.94 347	P	P	13 44 40.0 +10
SLM Saint Louis	87.97 324	PFAKE	LR	13 44 40.0 +10
SLM		LR	LR	
SLM Saint Louis	87.97 324	P	P	13 44 29.3 -1.0
V50A Pikeville	88.01 319	P	P	13 44 29.5 -0.7
S45A Carrier Mills	88.02 322	P	P	13 44 29.6 -0.7
HRY Holter Researc	88.03 342	eP	P	13 44 30.2 -0.1
U48A Cassie Pea, Po	88.03 320	P	P	13 44 31.2 +0.7
X53A Estanollee	88.05 317	P	P	13 44 30.5 -0.2
Q41A Truxton	88.13 32			

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Table with columns for station ID, name, frequency, and other details. Includes stations like Avery Jackson, Camp Tracy, Jordanelle, etc.

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Table with columns for station ID, name, frequency, and other details. Includes stations like Pah Rah Range, Beckworth, Lake Whitney, etc.

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Table with columns for station ID, name, frequency, and other details. Includes stations like Osoito Audit, Tucson, Mount Wilson, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Mina Guanaco, Toolangi, Armadale, Las Campanas, Tololo Observa, etc.

SOME 23 13:33:27.8, 41.85N, 76.60E, h15km, MS2.8
BUJ 23 13:33:27.2, 42.06N, 76.29E, h5km, ML3.6/6
KRNET 23 13:33:28.2, 41.4188N, 76.56E, h14km, mb3.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Kajiasy, Naryn, IZV, TNS, MTBS, KST, MDO, etc.

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

MOS 23 13:43:45.4, 42.57N, 41.10E, h7km, MPVA5.1
ISC 23 13:43:43.3, 42.47N, 41.04E, h10.5E, h3km, 13km, n8, 0.05/29/16, Western Caucasus

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

MOS 23 13:34:40.2, 42.50N, 41.12E, h9km, MPVA4.4
ISC 23 13:34:39.2, 42.44N, 41.05E, h10.7E, h10km, 13km, n6, 0.05/62/12, Western Caucasus

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

TIF 23 13:35:57.8, 42.38N, 40.91E, h20km, 2km
MOS 23 13:35:59.7, 42.53N, 41.11E, h6km, MPVA4.3
ISC 23 13:35:58.2, 42.43N, 41.09E, h10.4E, h7km, 15km, n13, 0.05/37/26, Western Caucasus

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

IDC 23 13:39:29.1, 5.1, 4.31N, 126.64E, h0km, mb3.7/5, mb1 3.9/5, mb1mx3.6/48, mbtmp3.7/5, Error ellipse: s-maj=102.5km s-min=19.1km az=70.0

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

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

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

TIF 23 13:42:50.2, 42.37N, 40.91E, h22km, 2km
DDA 23 13:42:51.9, 41.92N, 40.49E, h7km, ML3.3
ISC 23 13:42:52.0, 42.50N, 41.17E, h8km, MPVA3.7

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

ISCJB 23 13:43:57.7, 1.1, 42.41N, 0.04, 41.1E, 0.1, h18km, 12km, Error ellipse: s-maj=14.0km s-min=6.8km az=167.0

MOS 23 13:43:57.0, 42.50N, 41.15E, h21km, MPVA3.9
ISC 23 13:43:57.0, 42.41N, 0.05, 41.09E, 0.08, h16km, 16km, n5, 0.05/85/10, Western Caucasus

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

MOS 23 13:44:32.0, 42.48N, 41.11E, h21km, MPVA3.6, Western Caucasus

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

TIF 23 13:48:43.4, 42.35N, 40.90E, h27km, 3km
MOS 23 13:48:44.0, 42.51N, 41.09E, h5km, MPVA4.0
DDA 23 13:48:44.7, 42.18N, 40.91E, h7km, ML3.2

ISC 23 13:48:43.2, 1.3, 42.37N, 0.02, 40.92E, 0.04, h11km, 11km, n33, 0.126/59/7C, Black Sea

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

KRSC 23 14:17:35.8+0.7, 52.51N:159.42E, h41km, 9km, ML4.7
 ISJC23 14:17:36.9+0.4, 52.50N:0.03:159.38E:0.05, h5km, 3km,
 mb4, 1/28, MS4.5/1, Error ellipse: s-maj=6.8km
 s-min=3.6km az=135.7
 MOS 23 14:17:36.2+1.0, 52.46N:159.37E, h44km, mb4, 0/14, Error
 ellipse: s-maj=9.5km s-min=4.5km az=85.8
 NEIC 23 14:17:38.0+0.6, 52.61N:159.22E, h53km, 5km, mb4, 4/10,
 Error ellipse: s-maj=7.4km s-min=4.5km az=152.0
 IDC 23 14:17:41.2+1.3, 52.66N:159.07E, h73km, 10km, mb3, 6/18,
 m1 3.9/19, mb1mx3.7/47, mbtmp3.9/19, MS4.6/1,
 M1 4.6/1, ms1mx3.4/43, Error ellipse: s-maj=16.5km
 s-min=12.0km az=262.5

ISC 23 14:17:37.3+0.5, 52.51N:0.03:159.38E:0.04, h39km, 3km,
 n140, c131/159, mb4, 1/28, Off east coast of Kamchatka
 Peninsula

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
RUS	Russkaya	0.54	262	Op	14 17 48.1	-0.4
RUS	Russkaya	0.54	262	eS	14 17 56.1	-0.3
RUS	Russkaya	0.54	262	PN	14 17 48.1	-0.4
RUS	Russkaya	0.54	262	S	14 17 56.1	-0.3
DALK	Dalny	0.65	324	eP	14 17 49.5	-0.5
DALK	Dalny	0.65	324	eS	14 17 58.6	-0.3
DALK	Dalny	0.65	324	PN	14 17 49.5	-0.5
DALK	Dalny	0.65	324	S	14 17 58.6	-0.3
NLC	Nalychtchevo	0.66	358	eP	14 17 48.9	-1.2
NLC	Nalychtchevo	0.66	358	eS	14 17 49.8	-0.6
PET	Petropavlovsk	0.68	319	eP	14 17 49.8	-0.6
PET	Petropavlovsk	0.68	319	eS	14 17 50.4	-0.3
SPN	Mys Shipunski	0.70	33	eP	14 17 50.4	-0.3
SPN	Mys Shipunski	0.70	33	eS	14 18 00.9	+0.6
SPN	Mys Shipunski	0.70	33	PN	14 17 50.4	-0.3
SPN	Mys Shipunski	0.70	33	S	14 18 00.9	+0.6
MTVR	Mutnovka	0.73	268	eP	14 17 51.2	-0.1
MTVR	Mutnovka	0.73	268	eS	14 18 01.7	+0.4
MTVR	Mutnovka	0.73	268	PN	14 17 51.2	-0.1
MTVR	Mutnovka	0.73	268	S	14 18 01.7	+0.4
UGLR	Uglovaya	0.78	334	iP	14 18 03.1	+0.8
UGLR	Uglovaya	0.78	334	eS	14 18 03.1	+0.8
UGLR	Uglovaya	0.78	334	PN	14 18 03.1	+0.8
UGLR	Uglovaya	0.78	334	S	14 18 03.1	+0.8
GRL	Gorelyy	0.80	273	eP	14 17 52.9	+0.7
GRL	Gorelyy	0.80	273	eS	14 17 52.9	+0.7
SDLR	Sedlovina	0.82	339	eP	14 17 52.1	-0.4
SDLR	Sedlovina	0.82	339	eS	14 18 03.1	+0.8
SDLR	Sedlovina	0.82	339	PN	14 17 52.1	-0.4
SDLR	Sedlovina	0.82	339	S	14 18 03.1	+0.8
KRMR	Karymsinskiy	0.83	293	eP	14 17 52.4	0.0
KRMR	Karymsinskiy	0.83	293	eS	14 18 03.8	+0.4
KRMR	Karymsinskiy	0.83	293	PN	14 17 52.4	0.0
KRMR	Karymsinskiy	0.83	293	S	14 18 03.8	+0.4
SMAR	Somma	0.83	335	eP	14 17 52.2	-0.5
SMAR	Somma	0.83	335	eS	14 17 52.2	-0.5
SMAR	Somma	0.83	335	PN	14 17 52.2	-0.5
SMAR	Somma	0.83	335	S	14 17 52.2	-0.5
AVH	Avacha	0.85	333	eP	14 17 52.8	0.0
AVH	Avacha	0.85	333	eS	14 17 52.8	0.0
AVH	Avacha	0.85	333	PN	14 17 52.8	0.0
AVH	Avacha	0.85	333	S	14 17 52.8	0.0
KOK	Koryaka	0.90	330	iP	14 17 53.6	+0.1
KOK	Koryaka	0.90	330	eS	14 17 53.6	+0.1
KOK	Koryaka	0.90	330	PN	14 17 53.6	+0.1
KOK	Koryaka	0.90	330	S	14 17 53.6	+0.1
KRX	Krik	0.96	333	eP	14 17 54.2	-0.1
KRX	Krik	0.96	333	eS	14 17 54.2	-0.1
KRX	Krik	0.96	333	PN	14 17 54.2	-0.1
KRX	Krik	0.96	333	S	14 17 54.2	-0.1
KDTR	Khodutka, Kamc	1.07	229	eP	14 18 09.0	-0.3
KDTR	Khodutka, Kamc	1.07	229	eS	14 17 55.4	-0.3
KDTR	Khodutka, Kamc	1.07	229	PN	14 18 09.0	-0.3
KDTR	Khodutka, Kamc	1.07	229	S	14 17 55.4	-0.3
PEA0B	Petropavlovsk-	1.18	301	eP	14 17 57.6	+0.3
PETK	Petropavlovsk-	1.18	301	eP	14 17 57.6	+0.3
PETK	Petropavlovsk-	1.18	301	eS	14 18 13.4	+1.3
PETK	Petropavlovsk-	1.18	301	PN	14 17 57.6	+0.3
PETK	Petropavlovsk-	1.18	301	S	14 18 13.4	+1.3
PETK	Petropavlovsk-	1.18	301	ePN	14 17 57.4	+0.1
PETK	Petropavlovsk-	1.18	301	eS	14 18 13.4	+1.3
PETK	Petropavlovsk-	1.18	301	PN	14 17 57.4	+0.1
PETK	Petropavlovsk-	1.18	301	S	14 18 13.4	+1.3
PEA1	Petropavlovsk-	1.19	301	eP	14 18 13.4	+1.2
PEA1	Petropavlovsk-	1.19	301	eS	14 18 13.4	+1.2
APC	Apacha	1.42	288	eP	14 18 02.0	+1.6
APC	Apacha	1.42	288	eS	14 18 20.6	+2.8
APC	Apacha	1.42	288	PN	14 18 02.0	+1.6
APC	Apacha	1.42	288	S	14 18 20.6	+2.8
APC	Apacha	1.42	288	ePN	14 18 02.0	+1.6
APC	Apacha	1.42	288	eS	14 18 20.6	+2.8
APC	Apacha	1.42	288	PN	14 18 02.0	+1.6
APC	Apacha	1.42	288	S	14 18 20.6	+2.8
GNC	Ganally	1.47	324	iP	14 18 02.0	+0.7
GNC	Ganally	1.47	324	eS	14 18 02.0	+0.7
GNC	Ganally	1.47	324	PN	14 18 02.0	+0.7
GNC	Ganally	1.47	324	S	14 18 02.0	+0.7
PAU	Pauzhetka	1.91	238	eP	14 18 07.6	+0.4
PAU	Pauzhetka	1.91	238	eS	14 18 30.4	+0.5
PAU	Pauzhetka	1.91	238	PN	14 18 07.6	+0.4
PAU	Pauzhetka	1.91	238	S	14 18 30.4	+0.5
PAU	Pauzhetka	1.91	238	ePN	14 18 07.6	+0.4
PAU	Pauzhetka	1.91	238	eS	14 18 30.4	+0.5
PAU	Pauzhetka	1.91	238	PN	14 18 07.6	+0.4
PAU	Pauzhetka	1.91	238	S	14 18 30.4	+0.5
MKZ	Mys Kozlovka	2.48	33	eP	14 18 14.4	+0.6
MKZ	Mys Kozlovka	2.48	33	eS	14 18 19.3	+1.6
MKZ	Mys Kozlovka	2.48	33	PN	14 18 14.4	+0.6
MKZ	Mys Kozlovka	2.48	33	S	14 18 19.3	+1.6
MKZ	Mys Kozlovka	2.48	33	ePN	14 18 14.4	+0.6
MKZ	Mys Kozlovka	2.48	33	eS	14 18 19.3	+1.6
MKZ	Mys Kozlovka	2.48	33	PN	14 18 14.4	+0.6
MKZ	Mys Kozlovka	2.48	33	S	14 18 19.3	+1.6
KZV	Kizimen	2.66	11	eP	14 18 21.1	+2.5
KZV	Kizimen	2.66	11	eS	14 18 21.1	+2.5
KZV	Kizimen	2.66	11	PN	14 18 21.1	+2.5
KZV	Kizimen	2.66	11	S	14 18 21.1	+2.5
SKR	Severo-Kuril's	2.74	229	eP	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	PN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	S	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	ePN	14 18 30.8	+1.2
SKR	Severo-Kuril's	2.74	229	eS	14 18 30.8	+1.2
SKR	Severo-Kuril's</					

23d 14h

Table with columns: SIM, SIM, SIM, SEV, SEV, SEV, BRTR, BRTR, TLCR, TLRR, TIRR, TIRR, TLB, TLB, CFR, CFR, HARR, HARR, PLO, PLO, MLR, MLR, AKASG, DOPR, VOIR, VOIR, ARR, BURAR, BURAR, OBN, OBN, ARU, ARU, FINES, BRVK, BRVK, AAK, AAK, NOA, BILL, BILL, YKA, YKA. Includes station names, coordinates, and various parameters.

WEL 23 14:22:37.9±1.4, 4.8°S±12°16'6E±1.0, h5km, ML4.1/12, Off west coast of South Island

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like PYZ, WHZ, DCZ, SYZ, MLZ, MLZ, TUZ, TUZ, MSZ, EAZ, EAZ, WKZ, HHSZ, JCDZ, JCDZ, FOZ, WUZ, OXZ, INZ, OKCZ.

MOS 23 14:26:32.6±0.0, 42.49N±41.12E, h6km, MPVA3.5

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like DOMR, DOMR, BATM, BATM, ARXR, ARXR, NEY, NEY, GUZR, GUZR.

IDC 23 14:27:05.6±2.1, 0.85S±127.12E, h0km, mb3.1/3, mb1 3.3/3, mb1mx3.2/31, mbtmp3.2/3, Error ellipse: s-maj=157.2km s-min=27.8km az=66.0, Halmahera

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like WRA, ASAR, MKAR.

MOS 23 14:28:26.6±0.0, 42.55N±41.14E, h7km, MPVA3.7

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like BATM, DOMR, DBOC, ARXR, ARTV, ARTV, DBAD, DAGI, DAGI, DPGI, SOC, NEY, NEY, DDEM, DDEM, SHAT, SHAT, ONI, ONI, DIGR, DIGR, KIVO, KIVO, ZEI.

2012 DEC

Main table with columns: ZEI, TRLG, TRLG, LACR, LACR, IDC 23, Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists various stations and their parameters.

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Table with columns: WFSB, EHY, HGSD, HGSD, YM01, YM01, YM01, YM04, YM04, WJS, WJS, WNT, WNT, YM10, YM10, YM10, NTST, NTST, YM05, YM05, YM05, YM05, YM05, YM11, YM11, YM03, YM03, WCHH, WCHH, YM07, YM07, YM08, YM08, YULB, YULB, YUS, YUS, TWY, TWY, TWY, TWY, CHN5, CHN5, CHN5, CHN5, WGG, WGG, WGG, WGG, WDLH, WDLH, WDLH, WDLH, RLNB, RLNB, RLNB, RLNB, FULB, FULB, WTCT, WTCT, WTCT, WTCT, ELDTW, ELDTW, ELDTW, ELDTW, CHN2, CHN2, CHN2, CHN2, CHKT, CHKT, CHY, CHY, TPUB, TPUB, TPUB, TPUB, WTP, WTP, WTP, WTP, WSF, WSF, WSF, WSF, JYNG, JYNG, JYNG, JYNG, TWK, TWK, TWK, TWK, YOJ, YOJ, YOJ, YOJ, CHN1, CHN1, CHN1, CHN1, SGST, SGST, SGST, SGST, CHN8, CHN8, CHN8, CHN8, CHN8, CHN8, SLGT, SLGT, SLGT, SLGT, TWG, TWG, TWG, TWG, TWGB, TWGB, TWGB, TWGB, TAI1, TAI1, TAI1, TAI1, SSD, SSD, SSD, SSD, TWM1, TWM1, TWM1, TWM1, ECL, ECL, ECL, ECL, SGLT, SGLT, SGLT, SGLT, MASBT, MASBT, MASBT, MASBT, PNG, PNG, PNG, PNG, PHUB, PHUB, PHUB, PHUB, PHUB, PHUB, PHUB, PHUB, PTTC, PTTC, PTTC, PTTC, VWUC, VWUC, VWUC, VWUC, WDGJ, WDGJ, WDGJ, WDGJ, EAST, EAST, EAST, EAST, IRIF, IRIF, IRIF, IRIF, SCZT, SCZT, SCZT, SCZT, VCHM, VCHM, VCHM, VCHM, VCHM, VCHM, VCHM, VCHM, PTMZ, PTMZ, PTMZ, PTMZ, MATB, MATB, MATB, MATB, JKRS, JKRS, JKRS, JKRS, JIJ, JIJ, JIJ, JIJ, JISG, JISG, JISG, JISG, LYJJ, LYJJ, LYJJ, LYJJ.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like KNM Kinmen, KNMB Chin-men Tao, MHZO Yeshan, etc.

MOS 23 14:38:00.5:0.0, 42°50'N-41°18'E, h8km, MPVA3.0
DDA 23 14:38:01.1, 42°14'N-40°96'E, h7km, ML3.0
ISC 23 14:37:58.1:1.7, 42°37'N-0°03:41°10'E:0.07, h5km, 13km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like BATM Batumi, DDMR Dombai, DBOC Borcka, etc.

ISCJB 23 14:53:43.5:0.8, 42°41'N-0°03:40°97'E:0.06, h3km, 10km,
Error ellipse: s-maj=7.8km s-min=5.4km az=40.4
MOS 23 14:53:46.0:0.0, 42°50'N-41°14'E, h9km, MPVA3.4
DDA 23 14:53:47.1, 42°13'N-40°91'E, h7km, ML2.7
ISC 23 14:53:45.6:1.7, 42°40'N-0°03:41°11'E:0.06, h13km, 13km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like BATM Batumi, DDMR Dombai, DBOC Borcka, etc.

TIF 23 14:55:20.9, 42°41'N-40°94'E, h23km, 4km
MOS 23 14:55:22.0:0.0, 42°51'N-41°08'E, h6km, MPVA3.1
ISC 23 14:55:21.6:1.4, 42°45'N-0°05:40°99'E:0.06, h13km, 13km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like DDMR Dombai, BATM Batumi, DDMR Dombai, etc.

ISCJB 23 14:58:31.0:1.1, 42°37'N-0°03:41°02'E:0.09, h26km, 9km,
Error ellipse: s-maj=11.3km s-min=4.3km az=175.6
MOS 23 14:58:31.0:0.0, 42°49'N-41°17'E, h10km, MPVA2.9
ISC 23 14:58:30.9:1.2, 42°40'N-0°03:41°10'E:0.06, h27km, 15km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like BATM Batumi, DDMR Dombai, DBOC Borcka, etc.

SOME 23 15:04:00.8, 42°00'N-83°42'E, h10km
IDC 23 15:04:01.5:1.1, 42°09'N-83°30'E, h0km, mb3, 4/2,
mb1 3.4/7, mb1mx3.2/46, mbtmp3.2/7, ML2.8/5, M53.9/1,
mb1.3/9.1, mb1mx3.0/37, Error ellipse: s-maj=22.1km
s-min=11.7km az=65.0
BUJ 23 15:04:05.8, 42°06'N-83°24'E, h7km, ML3.4/9
NCC 23 15:04:10.5:2.5, 42°36'N-83°14'E, h17km, 9km, mb3.8,
mpv3.5, Error ellipse: s-maj=18.7km s-min=9.3km
az=131.0

ISC 23 15:04:04.6:1.1, 42°18'N-0°07:83°39'E:0.03, h15km, n27,
c249/46, 5C-11D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like KTMS Ketmen, PDGK Podgornoye, PDGK Podgornoye, etc.

MOS 23 15:06:26.4, 42°40'N-41°10'E, h14km, 3km
MOS 23 15:06:27.0:0.0, 42°50'N-41°14'E, h6km, MPVA3.3
ISC 23 15:06:25.7:2.5, 42°39'N-0°04:41°08'E:0.07, h11km, 16km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like BATM Batumi, DDMR Dombai, DBOC Borcka, etc.

TIF 23 15:06:26.4, 42°40'N-41°10'E, h14km, 3km
MOS 23 15:06:27.0:0.0, 42°50'N-41°14'E, h6km, MPVA3.3
ISC 23 15:06:25.7:2.5, 42°39'N-0°04:41°08'E:0.07, h11km, 16km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like BATM Batumi, DDMR Dombai, DBOC Borcka, etc.

TIF 23 15:09:14.8, 42°40'N-40°89'E, h26km, 2km
IDC 23 15:09:14.1:1.8, 42°41'N-40°95'E, h0km, mb3, 4/1,
mb1 3.2/3, mb1mx2.9/39, mbtmp3.1/3, ML2.7/2, Error
ellipse: s-maj=56.6km s-min=8.6km az=145.0

ISK 23 15:09:15.4, 42°32'N-40°93'E, h8km, ML3.3/4
MOS 23 15:09:16.6:0.0, 42°52'N-41°03'E, h4km, MPVA4.1
NORS 23 15:09:17.0:0.0, 42°52'N-41°36'E, h1km
DDA 23 15:09:25.7, 41°51'N-40°89'E, h7km, ML3.4
ISC 23 15:09:14.5:1.2, 42°36'N-0°02:40°93'E:0.02, h0km, 9km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like BATM Batumi, BACA Borcka, DDMR Dombai, etc.

GOF comp=Z, 13nm, 0.7s
ANN comp=N, 70nm, 0.7s
ANN comp=Z, 8.0nm, 0.4s
ANN comp=Z, 1.7nm, 0.4s
ANN comp=N, 30nm, 0.4s
ANN Erbaa 3.52 315 ePn P
ANN Erbaa 3.56 243 iPn P
ANN Gunib 4.47 88f iPn P
ANN Makhachkala 4.88 81 iPn P
ANN Keskin Array B 6.11 247 Pn P
ANN comp=Z, 0.1nm, 0.3s, baz=36, slow=9.4, SNR=4.2, S
ANN comp=Z, 0.1nm, 0.3s, baz=277, slow=31, SNR=3.2, S
ANN Obninsk 13.08 349 ePn P
ANN comp=Z, 3.0nm, 1.0s
ANN Aru 18.08 33 iP P
ANN comp=Z, 7.0nm, 1.1s
FINES FINES Array B 21.09 340 P P
ANN comp=Z, 1.5nm, 0.9s, baz=142, slow=12, SNR=3.5, S
ANN Alar-Archa 24.66 78 iP P
ANN comp=Z, 1.0nm, 1.1s
ANN Kurchatov 26.99 59 iP P
ANN comp=Z, 2.0nm, 1.0s
BILL Bilibino 62.56 20 eP P
ANN comp=Z, 1.0nm, 1.1s

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like GOF Gofitskoye, ANN Anapa, ANN Anapa, etc.

MOS 23 15:11:00.0-1.4, 42°46'N-01°02'E, 0.09, h9km, 15km,
 n5, c03/10, Western Caucasus

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
DOMR	Dombai	0.94	28	Op	15 11 18.7	0.0
DOMR	Dombai			Pb	15 11 31.2	-0.1
BATM	Batumi	0.99	149	P	15 11 18.7	-0.3
BATM	Batumi			S	15 11 32.2	+0.3
ARXR	Arkhyz	1.12	10	ePg	15 11 21.2	-0.3
ARXR	Arkhyz			Sg	15 11 37.5	-0.2
NEUY	Neytrino	1.48	57	ePg	15 11 28.6	+0.1
NEUY	Neytrino			Sg	15 11 46.1	+0.1
GUZR	Guzeripol'	1.67	37	ePg	15 11 31.4	+0.4
GUZR	Guzeripol'			Sg	15 11 53.8	0.0

TIF 23 15:13:03.3, 42°44'N-01°04'E, h12km, 3km
 DDA 23 15:13:05.8, 42°20'N-01°09'E, h7km, ML3.3
 MOS 23 15:13:06.5-0.0, 42°52'N-41°08'E, h6km, MPVA4.8
 ISC 23 15:13:04.1-1.1, 42°38'N-02°41'E, 0.05, h4km, 11km,
 n20, c0873/42, Western Caucasus

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
BATM	Batumi	0.93	146	Op	15 13 23.6	+0.8
BATM	Batumi			Sn	15 13 37.6	-0.2
BATM	Batumi			Sb	15 13 23.7	+0.1
DOMR	Dombai	1.01	26	iPg	15 13 36.1	+0.7
DOMR	Dombai			Sg	15 13 46.1	+0.9
DBOC	Borcka	1.15	154	iP	15 13 26.3	+0.2
DBOC	Borcka			Sg	15 13 41.3	+0.2
ARXR	Arkhyz	1.19	9	iPg	15 13 27.0	0.0
ARXR	Arkhyz			Sg	15 13 42.2	-0.3
ARTV	Artvin	1.38	150	iP	15 13 30.3	-0.4
ARTV	Artvin			Sb	15 13 47.8	-0.9
RPOR	Krasnaya Polyta	1.42	338	iPg	15 13 31.1	-0.2
RPOR	Krasnaya Polyta			Sg	15 13 50.2	+0.4
DBAD	Bademkaya	1.46	159	iP	15 13 30.9	-0.4
DBAD	Bademkaya			Sn	15 13 49.5	-1.5
DAGI	Agillar	1.47	152	iP	15 13 30.9	-0.6
DAGI	Agillar			Sn	15 13 49.9	-1.3
SOC	Sochi	1.53	322	iPg	15 13 33.2	-0.1
SOC	Sochi			Sg	15 13 53.6	+0.5
NEUY	Neytrino	1.53	55	ePg	15 13 32.8	+0.4
NEUY	Neytrino			Sg	15 13 52.5	-0.4
DDEM	Demirkent	1.59	159	iP	15 13 33.3	+0.2
DDEM	Demirkent			Sn	15 13 54.6	+0.3
SHA1	Shidzhatmaz	1.82	41	iPg	15 13 38.0	0.0
SHA1	Shidzhatmaz			Pb	15 13 38.2	-0.7
SHA1	Shidzhatmaz			ePg	15 14 01.0	-0.2
SHA1	Shidzhatmaz			Sg	15 14 12.2	+1.2
ONI	Oni	1.82	83	P	15 13 37.2	-1.0
ONI	Oni			Sb	15 14 01.8	+0.6
DIGR	Digorskoje uzhe	1.97	74	ePg	15 13 40.2	-0.4
DIGR	Digorskoje uzhe			Sb	15 14 05.2	-0.4
KIV0	Kislovodsk Arr	2.00	38	iPg	15 13 41.2	+0.2
KIV0	Kislovodsk Arr			Sb	15 14 06.3	-0.1
AKH	Akhalkalaki	2.02	117	P	15 13 42.5	-0.2
AKH	Akhalkalaki			Sb	15 14 10.7	+1.4
ZEI	Tsey	2.18	78	ePg	15 13 43.5	-0.7
ZEI	Tsey			Sb	15 14 11.8	+0.2
BGD	Bogdanovka	2.24	119	P	15 13 43.1	+0.9
BGD	Bogdanovka			Sb	15 14 13.3	0.0
TRLG	Trialeti	2.46	109	P	15 13 49.5	+0.5
TRLG	Trialeti			Sb	15 14 21.3	+1.7
LACR	Lac	2.47	79	ePn	15 13 47.8	-1.3
LACR	Lac			Sb	15 14 19.2	-0.8

TIF 23 15:15:22.2, 42°35'N-01°09'E, h19km, 2km
 ISK 23 15:15:22.8, 42°30'N-01°06'E, h11km, ML3.3/5
 MOS 23 15:15:23.7-0.2, 42°48'N-41°13'E, h5km, MPVA4.0
 ISC 23 15:15:21.3-1.2, 42°35'N-02°41'E, 0.03, h4km, 11km,
 n28, c0655/54, Western Caucasus

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
BATM	Batumi	0.87	149	Op	15 15 40.8	+0.4
BATM	Batumi			Sn	15 15 50.9	+0.6
BCA	Borcka	0.99	156	P	15 15 42.2	+0.2
BCA	Borcka			Sg	15 15 56.2	-0.3
DOMR	Dombai	1.02	22	iPg	15 15 41.4	-0.2
DOMR	Dombai			Sg	15 15 53.9	-0.1
DBOC	Borcka	1.09	157	iP	15 15 43.9	+0.3
DBOC	Borcka			Sn	15 15 59.1	0.0
ARXR	Arkhyz	1.22	6	iPg	15 15 45.1	-0.2
ARXR	Arkhyz			Sg	15 16 00.9	-0.2
CHOM	Cayelli-Rize	1.28	191	PN	15 15 46.2	+0.2
CHOM	Cayelli-Rize			Sn	15 16 03.2	-0.4
KIVAN	Cayelli-Rize	1.29	192	PN	15 15 46.5	+0.3
ARTV	Artvin	1.32	151	iP	15 15 47.2	+0.3
ARTV	Artvin			Sb	15 16 04.7	+0.4
DBAD	Bademkaya	1.41	161	iP	15 15 48.4	+0.1
DBAD	Bademkaya			Sg	15 16 06.5	0.0
DAGI	Agillar	1.42	154	iP	15 15 48.6	+0.2
DAGI	Agillar			Sg	15 16 06.5	-0.3
RPOR	Krasnaya Polyta	1.48	336	iPg	15 15 49.4	0.0
RPOR	Krasnaya Polyta			Sg	15 16 09.6	+0.8
NEUY	Neytrino	1.50	53	ePg	15 15 50.1	+0.1
NEUY	Neytrino			Sg	15 16 09.3	0.0
DDEM	Demirkent	1.54	161	iP	15 15 50.5	0.0
DDEM	Demirkent			Sn	15 16 11.1	+0.3
SOC	Sochi	1.59	321	iPg	15 15 51.5	-0.3
SOC	Sochi			Sg	15 16 12.5	+0.1
ONI	Oni	1.76	81	P	15 15 53.8	-0.5
ONI	Oni			Sb	15 16 18.4	+0.5
SHA1	Shidzhatmaz	1.80	39	ePg	15 15 56.9	+0.2
SHA1	Shidzhatmaz			Sg	15 16 18.8	-1.2
SHA1	Shidzhatmaz			iPg	15 16 18.8	-0.3
SHA1	Shidzhatmaz			Sg	15 16 19.0	+1.0
DIGR	Digorskoje uzhe	1.92	73	ePg	15 15 57.5	+0.5
DIGR	Digorskoje uzhe			Sg	15 16 21.9	+0.5
KIV0	Kislovodsk Arr	1.99	36	ePg	15 16 21.9	+0.5
KIV0	Kislovodsk Arr			Sb	15 16 24.1	+0.8
AKH	Akhalkalaki	2.02	117	PN	15 15 58.6	-0.2
AKH	Akhalkalaki			Pb	15 15 58.1	-0.7
AKH	Akhalkalaki			S	15 16 26.1	-0.3
BAYT	Ayd-ntep-Bay	2.08	200	PN	15 15 57.7	+0.5
BAYT	Tsey	2.12	77	ePg	15 16 00.6	+0.1
ZEI	Tsey	2.18	78	ePg	15 16 28.7	-0.7
KBTC	Kuba-Taba	2.24	48	ePg	15 16 01.8	-0.6
KBTC	Kuba-Taba			Sb	15 16 30.4	-0.2
ESPY	Espiye-Giresun	2.28	232	PN	15 15 59.6	-0.2
ESPY	Espiye-Giresun			Sn	15 16 26.7	-1.6
TRLG	Trialeti	2.39	109	P	15 16 06.2	+1.2
TRLG	Trialeti			S	15 16 37.6	-0.4
LACR	Lac	2.41	78	ePn	15 16 04.1	-1.3
LACR	Lac			Sb	15 16 37.3	+1.7
GUDG	Gudauri	2.51	86	P	15 16 08.6	-0.6
GUDG	Gudauri			S	15 16 41.1	-0.1
TBLG	Delisi	2.79	102	PN	15 16 09.9	-1.8

ISC/B 23 15:17:48.6-0.3, 38°12'N-01°02'33"W, 0.02, h0km, 2km,
 Error ellipse: s-maj=3.2km, s-min=2.3km, az=2.6
 MDD 23 15:17:51.5-0.2, 38°04'N-3°28'W, h4km, 1km, mblg, 5/27,
 Error ellipse: s-maj=1.6km, s-min=1.2km, az=56.0, PRXIMO
 MDD EMS: III INTENSIDAD MAXIMA
 SFS 23 15:17:51.0, 38°04'N-3°29'W, h4km, ML2.5,
 TORREPEROGIL (JAEN)

CNRM 23 15:17:52.2, 37°39'N-3°16'W, h30km, ML3.1
 ISC 23 15:17:49.9-1.1, 38°05'N-02°32'W, 0.02, h11km, 10km,
 n58, c1516/87, 2C-1D, Spain

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
EQES	Quesada	0.30	147	Op	15 17 56.8	-0.5
EQES	Quesada			Pb	15 18 00.9	
SESP	Santiago Espad	0.58	83	iPg	15 18 02.4	+0.2
SESP	Santiago Espad			Pb	15 18 10.4	
SESP	Santiago Espad	0.58	83	P	15 18 02.9	+0.7
SESP	Santiago Espad	0.58	83	Sb	15 18 10.7	+0.2
GORA	Gorafe	0.60	162	Pg	15 18 02.4	-0.1

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
GORA	Gorafe	0.60	162	Pg	15 18 02.4	-0.1
EQUE	Quentar	0.86	189	Pg	15 18 07.3	+0.4
EQUE	Quentar			Lg	15 18 18.6	
EADA	Adamuz	1.03	277	Pg	15 18 10.3	+0.4
EADA	Adamuz			Lg	15 18 23.5	
EGOR	Sierra Gorda	1.15	215	iPg	15 18 13.0	+0.8
EGOR	Sierra Gorda			Lg	15 18 29.1	
EBER	Berja	1.19	165	Pg	15 18 13.4	+0.6
EBER	Berja			Lg	15 18 29.5	
ELGU	Los Guajares	1.22	193	Pg	15 18 13.9	+0.6
ELGU	Los Guajares			Lg	15 18 29.5	
ENIU	Nijar	1.37	142	Pg	15 18 17.3	+1.1
ENIU	Nijar			Lg	15 18 36.4	
ETOB	Tobarra	1.48	66	Pn	15 18 17.5	0.0
ETOB	Tobarra			Pg	15 18 18.8	+0.5
ETOB	Tobarra	6.7m, 0.2s, SNR=33		Sb	15 18 36.6	+0.3
ETOB	Tobarra	2.0m, 0.1s, SNR=7.9		Lg	15 18 38.4	
ETOB	Tobarra	28m, 0.2s, SNR=5.0		Lg	15 18 41.3	+0.2
EMOR	Hornachuelos	1.58	263	P	15 18 19.3	+0.1
EMOR	Hornachuelos			Pb	15 18 20.4	+0.1
EMOR	Malaga-Limoner	1.58	216	ePg	15 18 19.3	+0.1
EMOR	Malaga-Limoner			Sg	15 18 41.9	-0.2
EMUR	La Murta	1.62	97	Pn	15 18 20.0	+0.1
EMUR	La Murta			Pg	15 18 21.8	+0.8
EMUR	La Murta	0.9m, 0.2s, SNR=10		Pg	15 18 43.7	
EMUR	La Murta	44m, 0.4s, SNR=5.0		Pn	15 18 49.3	
EMUR	La Murta	2.5m, 0.2s, SNR=32		Pg	15 18 21.6	+0.5
EMUR	La Murta	2.1m, 0.2s, SNR=7.9		Sn	15 18 41.4	+0.2
EMUR	La Murta	4.0m, 0.2s, SNR=5.0		Lg	15 18 44.3	
EMUR	La Murta	16m, 0.2s, SNR=7.9		Pb	15 18 20.8	-0.5
EMUR	La Murta	0.2m, 0.1s, baz=162, slow=17, SNR=7.9		Pg	15 18 22.6	-0.1
EMUR	La Murta	6.5m, 0.1s, baz=163, slow=18, SNR=4.6		Sn	15 18 41.7	+0.1
EMUR	La Murta	3.4m, 0.1s, baz=98, slow=7.5, SNR=9.9		Lg	15 18 45.1	
EMUR	La Murta					

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BGD Bogdanovka, LSNR Lesken, PYA1 Pyatigorsk, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TIRR Tirgusor, TLB Topalu, CFR Caracali, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GUZR Guzerip', DOMR Dombai, BATM Batumi, etc.

23D 16h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DOMR Dombai, BATM Batumi, ARXR Arkhyz, etc.

ISCJB 23 15:54:11.0,0.8,42.38N,0.02:41.00E,0.08,h16km,7km, Error ellipse: s-maj=9.8km s-min=3.9km az=174.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BATM Batumi, DOMR Dombai, BCAR Borcka, etc.

MOS 23 15:56:54.8,0.0,42.67N,41.32E,h5km,5km,MPVA3.2, Western Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DOMR Dombai, ARXR Arkhyz, NEY Neytrino, etc.

ISCJB 23 16:05:15.9,0.9,28.4N,0.1:139.7E,0.3,h448km,mb3.2/8, Error ellipse: s-maj=14.4km az=171

ISC 23 16:05:17.2,1.1,28.5N,0.1:139.7E,0.3,h448km,n10, r=123/11,mb3.2/8,Bonin Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MJAR Matsushiro Arr, USRK Ussuriysk Ar, KLR Kuldur, etc.

ISCJB 23 16:10:21.5,0.5,24.71N,0.02:122.49E,0.01,h11km,3km, Error ellipse: s-maj=2.0km az=22.0

TAP 23 16:10:21.3,24.71N,122.43E,h11km,ML3.0,C JMA 23 16:10:22.2,24.61N,122.43E,h31km,2km,M2.6

ISC 23 16:10:21.3,1.0,24.66N,0.02:122.46E,0.02,h13km,8km, n75,r=0589/138,1D,Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EOS1 EOS1, EOH1, JYNG, etc.

2012 DEC

Main table with columns: NWLT, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YM07, NACB, TATO, YM01, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JTJ Tarama, TPUB Ta-pu, WTP Ta-pu, etc.

ISCJB 23 16:10:42.7,0.7,42.40N,0.03:40.92E,0.06,h2km,7km, Error ellipse: s-maj=7.5km s-min=4.6km az=173.7

ISC 23 16:10:44.5,0.0,42.30N,0.02:40.85E,h5km,ML2.4/4, MOS 23 16:10:45.0,0.0,42.50N,0.1:12E,h8km,MPVA3.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BATM Batumi, DOMR Dombai, BCAR Borcka, etc.

ISC 23 16:15:53.7,42.27N,40.87E,h7km,ML2.7/4, Error ellipse: s-maj=9.1km s-min=3.8km az=173.6

DDA 23 16:15:55.8,42.20N,41.04E,h7km,ML3.1, MOS 23 16:15:55.0,0.0,42.48N,41.14E,h14km,MPVA4.0

ISC 23 16:15:54.1,1.5,42.40N,0.03:41.04E,0.05,h19km,4km, n16,r=058/27,Western Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BATM Batumi, DOMR Dombai, BCAR Borcka, etc.

IDC 23 16:19:01.1,2.1,2.78N,127.12E,h0km,mb3.3/3, mb1 3.57,mb1mx3/3,mbtmp3/3, Error ellipse: s-maj=155.5km s-min=26.3km az=66.0,Northern Molucca Sea

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

IDC 23 16:30:06.8,1.4,4.40N,127.03E,h0km,mb3.6/7, mb1 3.57,mb1mx3/4,mbtmp3/7, Error ellipse: s-maj=70.5km s-min=16.9km az=64.4

ISCJB 23 16:30:11.1,1.3,4.4N,0.2:126.9E,0.4,h45km,mb3.6/7, Error ellipse: s-maj=66.0km s-min=14.4km az=153.7

ISC 23 16:30:13.7,1.6,4.3N,0.3:127.0E,0.4,h45km,n8,r=153/8, mb3.5/7,1D,Talau Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTBH Catobato-PC H, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

0.6nm,0.3s,baz=119,slow=6.1,SNR=3.4

NNC 23 16:30:56.9-0.7,37.83N-57.33E,h0km,Error ellipse:

s-maj=4.4km s-min=3.5km az=171.0

TEH 23 16:30:58.7,37.86N-57.46E,h10km,ML3.1

ISC 23 16:30:58.8-1.5,37.83N-0.05-57.47E,0.04,h3km,13km,

n26,+157734,13C-3D,Iran-Turkmenistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like BJRND, GYB4, GYB5, etc.

DJA 23 16:37:38.8-1.6,4.5S:11x13.4E±1.0,h10km,M4.2/6, mb4.5/1,MLV4.1/6,Irian Jaya region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like FAKI, RKPI, BNDI, etc.

ISCJB 23 16:38:10.0-1.2,19.84S:0.04-70.40W,0.07,h26km,7km, mb3.5/1,Error ellipse: s-maj=10.7km s-min=7.1km az=166.5

GUC 23 16:38:09.6-0.6,19.86S:70.41W,h22km,11km,ML3.7

IDC 23 16:38:20.9-3.6,19.89S:69.70W,h103km,34km,mb3.1/2, mb1.3/1,mb1mx3.0-23,mbtmp3.4/3,Error ellipse: s-maj=122.0km s-min=29.6km az=108.0

ISC 23 16:38:09.6-1.5,19.83S:0.04-70.38W,0.08,h30km,9km, n18,+150418,SD,Near coast of northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like PSGC, PB11, PB08, etc.

ISK 23 16:49:43.9,42.25N:40.81E,h4km,ML2.5/4

ISCJB 23 16:49:44.6-0.8,42.38N:0.03-40.91E,0.08,h22km,7km, Error ellipse: s-maj=9.4km s-min=4.5km az=172.6

DDA 23 16:49:45.9,42.15N:40.91E,h7km,Mi3.1

MOS 23 16:49:45.6-0.0,42.45N:41.20E,h19km,MPVA3.9

ISC 23 16:49:44.8-1.4,42.40N:0.03-41.01E,0.05,h23km,16km, n13,+097623,Western Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like BATM, DOMR, BCCA, etc.

Table with columns: CHOM, ARTV, DBAD, etc. Lists stations in the Western Caucasus region.

MOS 23 16:59:52.6-0.0,42.50N:41.12E,h5km,MPVA3.4

DDA 23 16:59:54.0,42.09N:40.85E,h7km,Mi2.8

ISC 23 16:59:50.7-1.3,42.40N:0.03-41.06E,0.05,h11km,11km, n11,+094821,Western Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like BATM, DOMR, BCCA, etc.

MOS 23 17:11:29.0-0.4,42.50N:41.15E,h6km,MPVA3.4

ISC 23 17:11:28.0-1.4,42.37N:0.03-41.06E,0.07,h11km,10km, n10,+14020,Western Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like BATM, DOMR, BCCA, etc.

IDC 23 17:15:31.0-0.5,4.08N:126.55E,h0km,mb4.2/21, mb1.4/3,23,mb1mx4.2/43,mbtmp4.2/23,ML4.1/2,MS3.4/10, MS1.3/4/10,ms1mx3.2/33,Error ellipse: s-maj=21.6km s-min=8.5km az=75.0

ISCJB 23 17:15:34.5-0.3,4.18N:0.02-126.80E,0.04,h36km, mb4.3/34,MS3.4/9,Error ellipse: s-maj=5.9km s-min=3.9km az=165.8

NEIC 23 17:15:37.9-1.0,4.16N:126.74E,h53km,10km,mb4.6/15, Error ellipse: s-maj=11.3km s-min=6.1km az=77.0

NEIC Felt (III) in the Kepulauan Talaud, DJA 23 17:15:39.4-1.1,4.1N:127.7E,1,h29km,9km,MA.7/19, mb5.3/5,mb4.6/19,MLV4.7/12,MW(mB)4.7/5

ISC 23 17:15:36.6-0.4,4.18N:0.04-126.75E,0.06,h36km,n93,+1919193,mb4.3/34,MS3.4/9,3C-17.2,Talau Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like MATI, DAV, DMPH, etc.

APSI 0.7nm,0.3s,baz=197,slow=19,SNR=3.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like ALAI, MPMI, KKKM, etc.

Table with columns: CBJI, WRAB, WRA, WBA, MBWA, CHAI, MNSI, PSI, PBKT, Sadao, AS31, ASAR, ASAR, ASO1, JNU, CMAR, CMAR, CHTO, CHTO, KJAR, KJAR, MJAR, MJAR, XAN, XAN, XAN, MOR, HNR, STKA, STKA, USRKA, USRKA, GTA, GTA, GTA, KLR, SONM, PETK, PETK, MK01, MK01, MKR31, MKR31, MKAR, MKAR, MKAR, MKAR, ZALV, KURK, BRVK, GEYT, KBZ, Vnda, ILAR, KLMR, KLMR, BRTR, ARCES, FINES, KYGO, ASAO, NOA, TXAR, TORD, TORD

IDC 23 17:27:55.6-7.0,10.43S:165.76E,h145km,66km,mb3.3/4, mb1.3/6,mb1mx3.3/27,mbtmp3.9/5,Error ellipse: s-maj=57.3km s-min=26.8km az=146.0,Santa Cruz Islands

MOS 23 17:31:56.6-0.0,42.58N:41.03E,h30km,1km,MPVA3.3, Western Caucasus

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

ISCJB 23 17:32:20.0-0.6,42.42N:0.03-41.11E,0.04,h4km,7km, Error ellipse: s-maj=5.2km s-min=4.2km az=163.6

ISK 23 17:32:40.2,42.22N:40.83E,h4km,ML2.7/3

DDA 23 17:32:41.0,42.14N:40.87E,h6km,Mi3.2

MOS 23 17:32:41.0-0.0,42.51N:41.13E,h4km,MPVA3.5

ISC 23 17:32:39.1-1.2,42.39N:0.03-41.01E,0.04,h12km,11km, n19,+097838,Western Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like DOMR, ARXR, ARXR, NEY, GURZ, GURZ

23d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BATM Batumi, DOMR Dombai, BCAA Borcka, etc.

MOS 23 17:41:55.0, 0.42'40N, 41'13E, h20km, 1km, MPVA3.2
ISC 23 17:41:55.0, 1.8, 42.39N, 0.05, 41.13E, 0.09, h8km, 13km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BATM Batumi, DOMR Dombai, ARXR Arkhyz, etc.

MOS 23 17:47:33.1, 0.42'50N, 41'12E, h3km, MPVA3.4
ISC 23 17:47:33.1, 3.1, 42.40N, 0.02, 41.04E, 0.04, h7km, 10km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BATM Batumi, DOMR Dombai, BCAA Borcka, etc.

ISC 23 17:49:34.2, 0.6, 4'04N, 126'45E, h0km, mb4, 1/12,
mb1 4.3/13, mb1mx4.0/35, mbtmp4.1/13, ML4.0/1, Error

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TINTI Ternate, MATI Mati, SKMP Bagumbayan, Su, etc.

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Table with columns: FITZ, Filtroz Crossi, 21.73 182 P, 17 54 31.5 +3.7, etc.

SOME 23 17:53:45.8, 43'57N, 83'03E, h10km
NMC 23 17:53:45.8, 3.1, 43'60N, 83'39E, h0km, mb3.0, mpv2.5,

ISC 23 17:53:45.8, 2.8, 43'60N, 0.1, 83'11E, 0.1, h10km, n7,
@1999/14, 4C-3D, Northern Xinjiang

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

ISC 23 17:59:09.3, 0.7, 3'39S, 145'67E, h0km, mb4.3/14,
mb1 4.5/18, mb1mx4.4/34, mbtmp4.3/18, ML2.8/3, MS3.7/18,

ISC 23 17:59:13.0, 0.3, 3'39S, 145'55E, 0.03, h12km,
MW4.8/60, Moment Tensor Solution. s13,c14; s60,c09;

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

ISC 23 17:59:13.0, 0.6, 3'41S, 145'73E, 0.10, h23km, n55,
@1990/44, mb4.4/24, MS3.8/14, Near north coast of New

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Table with columns: BNSI Bone, PCI Palu, DZM Dombai, etc.

MOS 23 18:00:08.6, 42'40N, 41'00E, h11km, ML2.7/5
DDA 23 18:00:10.9, 42'16N, 40'86E, h7km, MP3.3

MOS 23 18:00:10.9, 42'16N, 40'86E, h7km, MP3.3
ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

ISC 23 18:00:09.2, 1.4, 42'40N, 0.03, 41'03E, 0.05, h9km, 11km,

23d 19h

Table with columns: WHY, JTMT, MSO, HLID, DLMT, MCMT, EGMT, YHB, YMR, YKA, YKA, YKW3, FXWY, MDOV, NVAR, NVAR, SCM, RLMT, RLMT, REDW, AHID, KDAK, EGAK, DUG, DUG, BW06, BW06, PD31, PDAR, PDAR, R11A, TIN, LAO, LAO, EPYK, CWC, GWT, DGMT, IL1, ILAR, ILAR, ILB, TPNV, TPNV, MPMC, ISA, POKR, MSU, INK, INK, GSC, LCMT, O20A, O20A, RSSD, HEC, BFSC, PV09, COLD, BELC, PV01, IM3, IM3, MDND, PDMCI, BC3, BC3, WUAZ, MVCO, MVCO, IKP, GLA, S22A, Q24A, X16A, W18A, ULM, ULM, SDCO, FDCO, AGMN, AGMN, KSCO, 214A, ANMO, ANMO, TUC, TUC, ECSD, ECSD

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Table with columns: 121A, F37A, SPMN, F38A, AMTX, AMTX, KSU1, MNXT, I39A, J39A, WMOK, WMOK, RES, TX31, TXAR, TXAR, Q41A, R42A, JCT, V41A, X50B, Y51A, W53A, 251A, SEY, H11N2, H11N3, H11N1, USKR, FINES, KRSR, JNU, SONM, ZALV, ZALV, HHC, HHC, HHC, BVAR, KURK, KURBS, GUMO, MKAR, MKAR, MAKZ, WMQ, LPAZ, CD2, CD2, KSH, BRTR, BDFB, DJA, LUWI, LUWI, KMSI, KMSI, MRSI, MRSI, SANI, SANI, BNSI, BNSI, TIF, ISK, MOS, DDA, ISC, Code, Station Name, Az, Az2, Op, Phase, ID, ISC, h, m, s, ISC, Time, Res

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Table with columns: LACR, LACR, GUC, GUC, Code, Station Name, Az, Az2, Op, Phase, ID, ISC, h, m, s, ISC, Time, Res, MDD, MDD, Code, Station Name, Az, Az2, Op, Phase, ID, ISC, h, m, s, ISC, Time, Res, EMUR, EMUR, ECAB, ECAB, ESOC, ESOC, EMIJ, EMIJ, EMIJ, ECHE, ECHE, EMIN, EMIN, ETOR, ETOR, EBAD, EBAD, PAB, PAB, EMIJ, EMIJ, EMIJ, ECHE, ECHE, EMIN, EMIN, ETOR, ETOR, EBAD, EBAD, MDD, MDD, Code, Station Name, Az, Az2, Op, Phase, ID, ISC, h, m, s, ISC, Time, Res

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

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

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

ISCJB 23 19:52:34.9-0.6, 37.29N-0.05-37.09E-0.06, h8km, 9km, Error ellipse: s-maj=10.7km s-min=5.1km az=35.8

NEIC 83 km [51 miles] E of Midwest. ISC 23 20:26:30.5-1.3, 43.50N-0.08-105.27W-0.06, h0km, n11, 0.026/10, Wyoming

ISCJB 23 20:34:56.8-0.7, 42.40N-0.02-40.91E-0.05, h3km, 6km, Error ellipse: s-maj=6.5km s-min=3.8km az=177.9

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

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

MOS 23 20:34:56.8-0.7, 42.40N-0.02-40.91E-0.05, h3km, 6km, Error ellipse: s-maj=6.5km s-min=3.8km az=177.9

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

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

MOS 23 20:27:04.3-0.0, 42.48N-41.16E, h10km, MPVA3.4, Error ellipse: s-maj=10.2km s-min=6.0km az=141.0

NEIC 23 20:30:37.0-0.0, 17.39N-95.48W, h128km, MD4.0(MEX), After MEX

ATH 23 20:31:15.6, 41.29N-22.53E, h17km, 2km, ML2.6/6, Error ellipse: s-maj=2.6km s-min=0.8km az=156.0

MOS 23 20:38:37.9-0.5, 54.82N-162.37E, h14km, mb4.3/1, Error ellipse: s-maj=10.1km s-min=6.0km az=93.7

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

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

MOS 23 20:38:37.9-0.5, 54.82N-162.37E, h14km, mb4.3/1, Error ellipse: s-maj=10.1km s-min=6.0km az=93.7

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

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

KRSC 23 20:38:37.9-0.5, 54.82N-162.45E, h18km, 30km, ML4.1, Near east coast of Kamchatka Peninsula

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

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

MOS 23 20:38:37.9-0.5, 54.82N-162.45E, h18km, 30km, ML4.1, Near east coast of Kamchatka Peninsula

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

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

MOS 23 20:38:37.9-0.5, 54.82N-162.45E, h18km, 30km, ML4.1, Near east coast of Kamchatka Peninsula

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

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

MOS 23 20:38:37.9-0.5, 54.82N-162.45E, h18km, 30km, ML4.1, Near east coast of Kamchatka Peninsula

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sorong, Baunata, Fityrozy Crossi, Warramunga Arr, Alice Springs, and Makanchi Array.

MEX 23 20:41:53.7.0.7, 16:31N.98:43W, h3km, MD3.8, Near coast of Guerrero. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Pinotepa, Tlapa, Vista Hermosa, Huatulco.

MEX 23 20:58:33.8.0.5, 16:06N.98:32W, h4km, MD3.9, Near coast of Guerrero. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Pinotepa, Tlapa, Vista Hermosa, Huatulco.

MOS 23 21:05:27.5.1.5, 42:46N.0:04:41E, h9km, MPVA3.2, n5, 0874/10, Western Caucasus. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Batumi, Arkhyz, Neytrino, Guzerip'.

MOS 23 21:12:22.1.0.0, 42:47N.41:16E, h5km, MPVA3.2, n6, 0861/12, Western Caucasus. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Batumi, Arkhyz, Neytrino, Guzerip'.

MOS 23 21:16:51.7.1.9, 0:50N.126:06E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.4/32, mbtmp3.4/3, Error ellipse: s-maj=169.3km s-min=25.3km az=65.0, Northern Molouca Sea. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Makanchi Array.

ISCJB 23 21:19:30.2.2.4, 42:42N.0:19:41E, h12km, 32km, Error ellipse: s-maj=18.4km s-min=9.6km az=16.3. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Borcka, Arkhyz, Artvin, Bademkaya, Agillar, Neytrino, Guzerip'.

MEX 23 21:31:44.5.0.5, 16:06N.98:32W, h1km, MD3.7, Near coast of Guerrero. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Pinotepa, Tlapa, Vista Hermosa, Huatulco.

ISCJB 23 21:33:08.8.1.8, 42:42N.0:19:41E, h12km, 24km, Error ellipse: s-maj=15.8km s-min=9.3km az=21.6. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Borcka, Arkhyz, Artvin, Bademkaya.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Agillar, Neytrino, Demirkent, Guzerip'.

ISCJB 23 21:35:55.1.0.9, 42:38N.0:03:41E, h20km, 8km, Error ellipse: s-maj=13.2km s-min=4.2km az=172.7. MOS 23 21:35:55.1.0.9, 42:50N.41:10E, h9km, MPVA3.3, DDA 23 21:35:55.7.2, 42:18N.41:05E, h7km, MI2.6, ISC 23 21:35:54.8.1.3, 42:36N.0:05:41E, h27km, 19km, n8, 0884/16, Western Caucasus.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Borcka, Arkhyz, Artvin, Agillar, Bademkaya, Neytrino, Guzerip'.

IDC 23 21:37:10.1.1.3, 8:79S.106:03E, h0km, mb3.8/7, mb1 2.6/1, mb1mx2.3/38, Error ellipse: s-maj=37.2km s-min=18.1km az=52.0. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Christmas Isla, Cisompet, Garu, Cibinong, Cibinong, Dramaga, Cimerak, Lembang.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Christmas Isla, Cisompet, Garu, Cibinong, Cibinong, Dramaga, Cimerak, Lembang.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Lembang, TNG, SBJJ, KASJ, UGM, UGM, MDSI, PCJ, MNAI, PWJ, JAGI, FITZ.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FITZ, H01W3, H01W1, H01W2, CM31, CMAR, WRA, WR1, WB2, ASAR, AS31, H08S2, H08S3, H08S1, COEN, LSA, JIRN, PKI, GUN, DMN, KKN, KOLN, DANN, PYUN, SONA, SONO, MK01, MK03, MK32, MKAR, KURK, ZALV, ZALV, ZAA1, ABKAR, TXAR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Jarkhoshk, Miami, Payeh, Akhmed, Akhmed, Monand, Kardeh, Dahanechah, Emamgholi, Sfrayin, Tejay, Kooshah, Alikebeck, GEYT, GEYT, IMOG, IPAY, IAKL, IAKL, IMON, IKRD, IDAH, IEMG, ISFR, ITEG, IKOO, GEYT, GYA0B, GYA0A, TKDS, TNSJ, TNSJ, TPVR, AAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Jarkhoshk, Miami, Payeh, Akhmed, Akhmed, Monand, Kardeh, Dahanechah, Emamgholi, Sfrayin, Tejay, Kooshah, Alikebeck, GEYT, GEYT, IMOG, IPAY, IAKL, IAKL, IMON, IKRD, IDAH, IEMG, ISFR, ITEG, IKOO, GEYT, GYA0B, GYA0A, TKDS, TNSJ, TNSJ, TPVR, AAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Alice Springs, Warramunga Arr, Eielson Array.

ISCJB 23 21:51:58.3.0.5, 24:9N.0:1:125:34E, h49km, 5km, mb3.6/1, Error ellipse: s-maj=24.7km s-min=5.8km az=152.7. JMA 23 21:51:58.5.0.1, 24:83N.125:37E, h49km, 1km, M3.6 JMA Felt J1. IDC 23 21:51:58.0.0.9, 25:78N.125:03E, h0km, mb3.6/8, mb1 3.7/9, mb1mx3.6/56, mbtmp3.6/9, ML2.6/1, Error ellipse: s-maj=24.7km s-min=20.3km az=53.0. ISC 23 21:51:59.2.0.9, 24:9N.0:1:125:33E, h43km, 6km, n19, 0887/26, mb3.6/8, Southwestern Ryukyus Islands.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ikemajima, Miyako jima 2, Gusukube, Irubujima, Tarama, Ishigakijimahi, Ishigaki jima, Kuro-shima, Kiriote-Funau, Hateruma jima, Nunigami, Warramunga Arr, Zalesovo Beam, Warramunga Arr, Malin Array, Keskin Array B, Yellowknife B.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Borcka, Arkhyz, Artvin, Bademkaya, Agillar, Neytrino, Guzerip'.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Borcka, Arkhyz, Artvin, Bademkaya, Agillar, Neytrino, Guzerip'.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Borcka, Arkhyz, Artvin, Bademkaya, Agillar, Neytrino, Guzerip'.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Borcka, Arkhyz, Artvin, Bademkaya, Agillar, Neytrino, Guzerip'.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Borcka, Arkhyz, Artvin, Bademkaya, Agillar, Neytrino, Guzerip'.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dombai, Borcka, Arkhyz, Artvin, Bademkaya, Agillar, Neytrino, Guzerip'.

23d 23h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BFO Black Forest, PDG Podgorica, DAVN Damulez, etc.

IDC 23-23:03:34.6-4.1, 6.65S, 128.27E, h394km, 4.7km, mb2.9/1, mb1 3.2/4, mb1mx2.9/32, mbtmp3.9/4, Error ellipse: s-maj=73.6km, s-min=17.2km, az=67.0, Banda Sea

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

DDA 23-23:08:26.9, 39.42N, 28.24E, h7km, ML3.2
ISK 23-23:08:26.8, 39.42N, 28.25E, h13km, ML3.3/43, Turkey

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DURS Dursunbey, BALB Balikesir, DEMI Demirci, etc.

IDC 23-23:13:01.9-1.2, 11.53N, 89.25W, h0km, mb3.7/6, mb1 4.1/10, mb1mx2.6/44, mbtmp3.8/10, ML3.3/4, MS3.1/3, MS1 3.1/3, mb1mx2.6/36, Error ellipse: s-maj=39.2km, s-min=18.8km, az=48.0

UCR 23-23:13:03.9-1.3, 11.60N, 89.21W, h17km, 2.4km, ML3.3
ISCJB 23-23:13:04.0-2.0, 11.53N, 0.04-89.23W, 0.04, h33km, mb3.8/6, MS3.1/2, Error ellipse: s-maj=7.1km, s-min=4.8km, az=35.1

ISC 23-23:13:06.9-0.8, 11.61N, 0.07-89.21W, 0.05, h35km, n34, r128/40, mb3.8/6, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TECA Tecapa, LFRS El Faro, LCY Lacayo, etc.

2012 DEC

Table with columns: MRL, MATN, APG, APG, APG, JTS, JTS, JTS, JTS, CMIG, CMIG, SDV, SDV, SXAR, SXAR, TKL, TKL, NYAR, NYAR, PLCA, PLCA, ILAR, ILAR, WRA, WRA. Includes station names like Marmol, Matagalpa, Apazole, etc.

KRSC 23-23:14:51.2-0.8, 54.31N, 164.37E, h48km, 2.3km, ML3.9, Komandorsky Islands region

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

ISCJB 23-23:19:07.5-0.6, 21.15S, 0.03-68.96W, 0.08, h127km, 7km, mb3.1/1, Error ellipse: s-maj=13.1km, s-min=4.7km, az=2.0
GUC 23-23:19:07.9-0.7, 21.13S, 68.98W, h18km, 3km, ML3.4
IDC 23-23:19:10.3-1.7, 21.31S, 68.68W, h127km, 25km, mb3.1/2, mb1 3.1/4, mb1mx2.9/26, mbtmp3.5/4, MS2.8/1, Ms1 2.8/1, ms1mx2.4/7, Error ellipse: s-maj=50.8km, s-min=25.7km, az=87.0

ISC 23-23:19:08.1-0.9, 21.16S, 0.03-68.99W, 0.08, h120km, 9km, n20, r193/33, 11C, Chile-Bolivia border region

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB01 IPOC Station P, PB02 IPOC Station P, PB03 IPOC Station P, etc.

MEX 23-23:39:48.4-0.5, 16.05N, 98.30W, h4km, 3km, MD3.8, Near coast of Guerrero

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

CNRM 23-23:41:17.2, 35.05N, 1.96W, h7km, ML1.5
CRAAG 23-23:41:15.6, 35.07N, 2.00W, M12.6, Northern Algeria

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OLPH Oulhaca, MPAL Palesmas, MDT Midett, etc.

ISCJB 23-23:41:39.2-0.6, 53.22N, 0.07-166.83W, 0.07, h60km, 6km, mb4.1/12, MS3.4/1, Error ellipse: s-maj=13.3km, s-min=4.4km, az=153.0
NEIC 23-23:41:39.7-0.0, 53.20N, 166.83W, h26km, mb4.2/8, ML3.9(AEIC), After AEIC.
IDC 23-23:41:49.2-3.7, 53.38N, 165.27W, h81km, 28km, mb3.4/7, mb1 3.7/9, mb1mx3.6/1, mbtmp3.7/9, MS3.0/2, Ms1 3.1/2,

1172

ms1mx2.5/26, Error ellipse: s-maj=37.1km, s-min=18.2km, az=13.0

ISC 23-23:41:40.5-0.8, 53.19N, 0.08-166.77W, 0.05, h50km, 6km, n67, r121/65, mb4.2/12, Fox Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MREP Makushin Rep't, UNV Unaslaka Valle, MNAT Makushin Natee, etc.

KDAD Kodiak Island, 0.3nm, 0.3s, baz=295, slow=14, SNR=4.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KDAD Kodiak Island, SWV2 Sparrevohn, RSO Redoubt South, etc.

ISCJB 23-23:41:40.5-0.8, 53.19N, 0.08-166.77W, 0.05, h50km, 6km, n67, r121/65, mb4.2/12, Fox Islands

ISC 23-23:41:40.5-0.8, 53.19N, 0.08-166.77W, 0.05, h50km, 6km, n67, r121/65, mb4.2/12, Fox Islands

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, DOT Dot Lake, HYT Haines Junction, etc.

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

IDC 24 02:45:39.7±1.0, 15.235°173.53W, h0km, mb4.0/8, mb1 4.4/9, mb1mx4.1/28, mbtpp4.1/9, ML3.1/1, MS3.5/14, Ms1 3.5/14, ms1mx3.3/35, Error ellipse: s-maj=51.5km s-min=18.8km az=150.0

ISCJB 24 02:45:41.7±0.5, 15.175°0.09E:173.49W:0.08, h30km, mb4.0/10, MS3.5/14, Error ellipse: s-maj=12.6km s-min=1.1km az=166.0

NEIC 24 02:45:44.8±0.2, 15.195°173.47W, h35km, mb4.3/2, Error ellipse: s-maj=13.5km s-min=1.2km az=151.0

ISC 24 02:45:43.0±0.6, 15.225°0.09E:173.4W:0.1, h30km, n49, s144/36, mb4.0/10, MS3.6/14, 5C-1D, Tonga Islands

Main table of station data with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like NIUE, NIUE, KANTON, etc.

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

IDC 24 03:13:20.7±2.2, 36.34N:141.04E, h0km, mb3.6/5, mb1 3.7/7, mb1mx3.5/39, mbtpp3.7/7, ML3.8/2, Error ellipse: s-maj=57.8km s-min=22.2km az=69.0

ISCJB 24 03:13:31.6±0.6, 35.93N:0.04:140.13E:0.06, h76km, 4km, mb3.4/5, Error ellipse: s-maj=8.5km s-min=5.9km az=167.8

JMA 24 03:13:33.1±0.1, 35.99N:140.09E, h62km±1km, M3.3 Broadband fault plane solution: P waves. NP1: 0.1, 0.00000°, 0.65, 0.00000°, 1.82, 0.00000°. NP2: 0.199, 0.00000°, 0.26, 0.00000°, 1.07, 0.00000°. Principal axes: T P169, 0.00000°, Azm255.00000°, N P167, 0.00000°, Azm97.00000°

JMA 24 03:13:32.2±1.0, 35.94N:0.04:140.15E:0.06, h69km±8km, n19, c1842/29, mb3.6/5, IC-5D, Near east coast of eastern Honshu

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

NIED 24 03:17:00.22:50N:121.30E, h74km, Mw4.5 Best double couple: M1:5.70000°1015° NP1:131.00000°, 0.75, 0.00000°, 1.5, 0.00000°. NP2:40.00000°, 0.85, 0.00000°, 1.65, 0.00000°. λ=100.00000°. NP2φ=296.00000°, δ73.00000°, λ=78.00000°

BULI 24 03:17:49.1, 22.68N:121.16E, h7km, mb4.3/11, ML4.2/8 NEIC 24 03:17:51.9±0.0, 22.55N:121.32E, h61km, mb4.2/9, After TAP

NEIC Recorded [2 TAP] in Taitung, ISCJB 24 03:17:51.1±0.2, 22.48N:0.02:121.30E:0.02, h78km±1km, mb4.0/26, Error ellipse: s-maj=3.1km s-min=2.2km az=138.0

JMA 24 03:17:51.1±0.2, 22.47N:121.29E, h66km±3km, M4.5 ASIES 24 03:17:51.9, 22.55N:121.32E, h85km, MW4.1 TAP 24 03:17:52.1, 22.53N:121.28E, h68km, ML5.0, B IDC 24 03:17:52.4±2.2, 22.41N:121.51E, h85km±21km, mb3.8/17, mb1 3.9/20, mb1mx3.8/38, mbtpp4.2/20, MS3.3/6, Ms1 3.3/6, ms1mx3.0/28, Error ellipse: s-maj=17.0km s-min=13.1km az=93.0

ISC 24 03:17:52.0±0.6, 22.51N:0.03:121.27E:0.02, h71km±4km, n197, c1832/278, mb4.1/26, 28C-18D, Taidi region

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

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

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other technical details for stations 1-100.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other technical details for stations 101-250.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other technical details for stations 251-500.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like SDCO Great Sand Dun, L39A Vinton, SCIA State Center, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like DGMT Dagmar, DLMT Dillon, MATP Matopo, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, SONM Songno Array, etc.

CRAAG 24 05:14:46.5, 35:83N, 1:33E, M13.7
IDC 24 05:14:46.0, 1:0, 35:97N, 1:37E, h0km, mb3.3/6,
mb1 3.5/10, mb1mx3.4/57, mbtmp3.3/10, ML3.4/4, Error
ellipse: s-maj=23.2km s-min=16.2km az=155.0

IDC 24 05:09:56.5, 2.9, 37:85N, 143:92E, h0km, mb3.4/3,
mb1 3.6/4, mb1mx3.3/55, mbtmp3.4/4, ML3.5/1, MS3.5/1,
Ms1 3.5/1, ms1mx2.5/1, Error ellipse: s-maj=72.6km
s-min=32.5km az=62.0

ISCJCB 24 05:09:59.8, 1.0, 37:93N, 0:04, 143:50E, 0:0, h19km,
mb3.4/3, MS3.5/1, Error ellipse: s-maj=8.8km s-min=5.7km
az=172.9

JMA 24 05:10:00.7, 0.1, 37:96N, 143:55E, h43km, M3.4
ISC 24 05:10:00.6, 1.4, 37:90N, 0:05, 143:50E, 0:1, h19km, n25,
e1930/30, mb3.5/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h m s, ISC. Includes stations like EANR 'Ain N'Sour, ECHA Ech Chlef, EBNR Beni Rached, etc.

24d 5h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KEST, CLLI, EJON, SJAF, EMIN, ETSF, EBAD, EGRO, MTLF, SJPF, ELAN, LMR, SMRF, PGAL, EARI, CAF, LFF, SBF, GERES, MLR, TORO, AKASG, KURBB, MKAR, YKA.

NNC 24 05:17:11.9s.2.53°83N.90°54E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=45.5km s-min=37.3km az=171.0, Suspected Mining explosion.

KRAR 24 05:17:08.0.0.1.53°75N.91°03E, M3.1, 4C-4D, Industrial explosion (after the Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014).

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURK, KURB, MK31, MK33.

ISCJB 24 05:30:06.5.0.9.23°41S.0°05'68.89W.0°10, h97km, 9km, mb3.8/1, Error ellipse: s-maj=15.5km s-min=7.1km az=20.5

GUC 24 05:30:07.6.0.5.23°39S.69°01W, h93km, 3km, ML3.6, IDC 24 05:30:07.1.3.0.23°30S.68°50W, h77km, 28km, mb3.8/1, mb1 3.5/2, mb1mx3.1/30, mbtmp3.8/2, Error ellipse:

ISC 24 05:30:07.4.1.2.23.40S.0°06.689W.0°10.9, h88km±10km, n15, a077726, 2C-1D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB15, LVC, PB06, PB05, PB10, PB03, PB04, PB09, PB14, PB07, PB02, PB01, LPAZ.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TORO, MKAR.

ISCJB 24 05:31:31.8.0.4.17°84S.0°03'69.88W.0°05, h93km, 5km, mb4.7/120, Error ellipse: s-maj=8.8km s-min=4.6km az=154.7

NEIC 24 05:31:33.8.0.3.17°95S.69°91W, h96km, 3km, mb4.8/105, Error ellipse: s-maj=5.1km s-min=3.0km az=72.0

NEIC Felt [ll] at Tacna. Also felt at Pachia. GUC 24 05:31:34.6.0.5.18°12S.70°27W, h104km, 3km, ML4.9

BUI 24 05:31:35.5.17°90S.69°90W, h92km, IDC 24 05:31:35.2.0.6.17°87S.69°83W, h99km, 4km, mb4.2/20, mb1 4.4/24, mb1mx4.3/35, mbtmp4.6/24, Error ellipse:

s-maj=14.4km s-min=11.0km az=58.0, ISC 24 05:31:34.4.0.4.17°95S.0°03'70.05W.0°05, h100km, 3km, h105km, pp-P, n519, a0888/540, mb4.7/119, 3C-3D, Near coast of Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB12, PB11, PB08, LPAZ, PB01, PB02, PB07, PB04, LVC, LVA, LVB, LVC, LVC, PB10, PB10, G002, NNA, NNA, CPUP, ROC1, PEL, PTGA, PTGA, OTAV, FLOC, GUC, CRUC, SOTA, PCON, TRQA, BDFB, BDFB, POPC, G006, SPB, PLCA, YOTC, RUSC, HELC, PTBC, ZARC, SDV, SMLC, MDP, RCBR, CBYP, STVI, USHA, APG, CMIG, 655A, 456A, 553A, 454A, 356A, 453A, 452A, 353A, 255A, 351A, 254A, LNIG, BRAL.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like 350A, 253A, 252A, NHSC, 349A, 154A, 154A, 250A, 250A, 152A, 152A, 249A, 151A, 254A, 354A, 150A, 253A, 248A, GOGA, Z52A, 149A, 247A, Y54A, Z51A, 148A, Y53A, Z50A, Z50A, 245A, LRAL, LRAL, Y52A, Y51A, X53A, Y50A, Z47A, Z47A, Z48A, Y49A, Y49A, Y49A, X52A, 833A, 833A, X51A, X51A, Y48A, X50B, W53A, X47A, X47A, X48A, X48A, Y46A, W51A, W51A, V53A, Y45A, W50A, W50A, CPCT, X47A, W49A, SWET, V52A, V52A, X46A, V51A, V51A, W48A, W48A, V50A, X45A, U53A, OXF, OXF, PLAL, W47A, W49A, U52A, W46A, U51A, W48A, W48A.

X43A	Marvell	55.85 339	eP	P	05 41 01.3	-0.1
X43A	Marvell	55.85 339	P	P	05 41 01.7	+0.3
U50A	Jamesown	55.89 346	P	P	05 41 01.5	-0.2
V47A	Nunnelly	56.02 343	P	P	05 41 02.0	-0.7
JCT	Junction City	56.05 329	eP	P	05 41 03.2	+0.1
JCT	Junction City	56.05 329	P	P	05 41 03.0	0.0
T52A	Hallie	56.14 348	P	P	05 41 03.2	-0.4
V46A	Holladay	56.17 342	P	P	05 41 02.7	-1.0
T51A	Gray	56.21 347	P	P	05 41 03.4	-0.6
U49A	Red Boiling Sp	56.21 345	P	P	05 41 03.6	-0.4
WHTX	Lake Whitney,	56.21 332	P	P	05 41 03.4	-0.7
V45A	Humboldt	56.36 342	P	P	05 41 04.5	-0.5
WVT	Waverly	56.39 343	eP	P	05 41 04.5	-0.8
WVT	Waverly	56.39 343	P	P	05 41 05.0	-0.3
U48A	Cassie Pea, Po	56.40 344	P	P	05 41 05.0	-0.4
X41A	Kaden, Bauxite	56.40 338	P	P	05 41 05.0	-0.4
T50A	Nancy	56.46 346	P	P	05 41 05.2	-0.6
U47A	Clarksville	56.53 343	P	P	05 41 06.0	-0.3
UALR	University of	56.59 338	eP	P	05 41 06.4	-0.4
U46A	Springville	56.71 343	P	P	05 41 07.2	-0.3
T49A	Edmonton	56.71 345	eP	P	05 41 06.7	-0.9
T49A	Edmonton	56.71 345	P	P	05 41 07.2	-0.4
SS2A	Salversville	56.71 348	P	P	05 41 07.2	-0.3
SS1A	Beattyville	56.78 347	P	P	05 41 07.6	-0.5
MIAR	Mount Ida	56.84 337	eP	P	05 41 08.5	0.0
MIAR	Mount Ida	56.84 337	P	P	05 41 09.0	+0.5
U45A	Rockin P Farm,	56.87 342	P	P	05 41 08.3	-0.3
W41B	Gary Mavity, V	56.92 338	eP	P	05 41 08.9	-0.1
W41B	Gary Mavity, V	56.92 338	P	P	05 41 08.9	-0.1
T48A	Bowling Green	56.93 344	P	P	05 41 08.8	-0.3
GLAT	Glass	56.95 341	eP	P	05 41 09.4	+0.2
SS0A	Richmond	56.99 346	P	P	05 41 09.4	-0.2
T47A	Sharon Grove	57.00 344	eP	P	05 41 09.0	-0.6
T47A	Sharon Grove	57.00 344	P	P	05 41 09.5	-0.1
U44B	Burton Farm, H	57.03 341	P	P	05 41 09.9	+0.1
WHAR	Woolly Hollow	57.03 338	eP	P	05 41 09.2	-0.7
LTX	Lajitas	57.15 325	eP	P	05 41 11.6	+0.6
TXAR	Lajitas Array	57.15 325	P	P	05 41 11.6	+0.6
TXAR	comp=E,1.5nm,0.7s,baz=153,slow=9.3,SNR=9.7		eP	P	05 41 35.4	-0.1
TXAR	comp=E,0.7nm,0.7s,baz=153,slow=10,SNR=8.5		sP	P	05 41 47.0	+0.4
V42A	Cord	57.19 339	P	P	05 41 11.2	+0.2
R52A	Cattlettsburg	57.26 348	P	P	05 41 11.1	-0.3
T46A	Princeton	57.26 343	P	P	05 41 11.5	0.0
S48A	Springfield	57.30 346	P	P	05 41 11.1	-0.6
S49A	Wiedeman Farm,	57.36 345	P	P	05 41 11.6	-0.5
U43A	Rector	57.39 341	P	P	05 41 12.0	-0.3
R51A	Hillsboro	57.41 347	P	P	05 41 12.0	-0.5
V41A	Mountainview	57.44 339	P	P	05 41 12.5	-0.2
T45A	Paducah	57.46 342	P	P	05 41 12.5	-0.3
W39A	Magazine	57.49 337	eP	P	05 41 13.6	+0.5
W39A	Magazine	57.49 337	P	P	05 41 14.1	+1.0
S47A	Hartford	57.51 344	P	P	05 41 12.7	-0.5
R50A	Paris	57.55 347	P	P	05 41 13.0	-0.4
X37A	Clayton	57.57 335	eP	P	05 41 13.6	-0.1
U42A	Reverend	57.64 340	P	P	05 41 13.6	-0.5
ABTX	Ablene, Hawle	57.75 330	eP	P	05 41 14.6	-0.4
ABTX	Ablene, Hawle	57.75 330	P	P	05 41 15.2	+0.2
R49A	Shelbyville	57.75 346	P	P	05 41 15.2	+0.3
Q52A	Bidwell	57.79 349	P	P	05 41 15.1	-0.1
T44A	Benton	57.80 342	P	P	05 41 15.2	0.0
S46A	Don Dixon Farm	57.82 343	P	P	05 41 14.9	-0.4
U41A	Viola	57.86 339	P	P	05 41 15.5	-0.2
P55A	Reedsville	57.92 351	P	P	05 41 15.7	-0.3
WCI	Wyandotte Cave	57.96 345	eP	P	05 41 15.5	-0.8
WCI	Wyandotte Cave	57.96 345	P	P	05 41 15.6	-0.7
T43A	Greenville	58.01 341	P	P	05 41 16.6	-0.1
Q50A	Georgetown	58.02 347	P	P	05 41 16.4	-0.3
R48A	Northridge Ran	58.02 345	P	P	05 41 16.4	-0.3
S45A	Carrier Mills	58.05 343	P	P	05 41 16.8	-0.1
Q51A	Peebles	58.06 348	P	P	05 41 16.8	-0.2
USIN	University of	58.07 344	eP	P	05 41 16.4	-0.7
MCWV	Mont Chateau	58.07 351	P	P	05 41 17.1	0.0
R47A	Woolly Knot Far	58.08 345	P	P	05 41 16.7	-0.4
P53A	Whipple	58.15 350	eP	P	05 41 17.0	-0.6
P53A	Whipple	58.15 350	P	P	05 41 17.5	-0.1
U40A	Yellville	58.19 338	P	P	05 41 17.7	-0.3
T42A	Van Buren	58.21 340	eP	P	05 41 17.4	-0.6
T42A	Van Buren	58.21 340	P	P	05 41 17.6	-0.5
R46A	Gibson Southern	58.26 344	P	P	05 41 17.8	-0.6
S44A	Carbondale	58.26 342	P	P	05 41 18.4	+0.1
SIUC	Southern Illin	58.27 342	eP	P	05 41 18.2	-0.2
Q49A	Aurora	58.37 346	P	P	05 41 18.7	-0.5
S43A	Fulton Ridge,	58.39 341	P	P	05 41 19.2	-0.1
P52A	Corning	58.42 349	P	P	05 41 19.2	-0.3
T41A	Mountain View	58.44 340	P	P	05 41 19.5	-0.3

P51A	Williamsport	58.45 348	P	P	05 41 19.4	-0.3
Q48A	North Vernon	58.49 346	P	P	05 41 19.5	-0.5
HHAR	Hobbs	58.52 337	eP	P	05 41 20.2	-0.1
O55A	Ligonier	58.53 352	P	P	05 41 19.6	-0.7
R45A	Skylar, Fairfri	58.54 343	P	P	05 41 20.0	-0.4
Q47A	Bedord North L	58.67 345	P	P	05 41 20.7	-0.5
P50A	Jamesown	58.72 348	P	P	05 41 21.1	-0.5
S42A	Caledonia	58.80 341	P	P	05 41 21.6	-0.6
O52A	Adamsville	58.84 349	P	P	05 41 22.3	-0.1
P49A	Miami Univ. Ec	58.84 347	P	P	05 41 21.6	-0.8
O53A	New Philadelphia	58.86 350	P	P	05 41 22.2	-0.3
TUL1	Leonard	58.89 336	P	P	05 41 22.4	-0.4
BLO	Bloomington	58.91 345	eP	P	05 41 22.5	-0.4
P48A	Milroy	58.93 346	P	P	05 41 22.0	-1.1
R43A	Red Bud	59.00 342	P	P	05 41 22.9	-0.6
O51A	Pataskala	59.01 349	P	P	05 41 23.0	-0.5
N55A	Marion Center	59.05 352	P	P	05 41 23.6	-0.3
Q45A	Warren Harvey,	59.07 344	P	P	05 41 23.4	-0.6
P47A	Martinsville	59.15 345	P	P	05 41 23.9	-0.6
ACSO	Alum Creek Sta	59.16 348	eP	P	05 41 24.4	-0.2
ACSO	Alum Creek Sta	59.16 348	P	P	05 41 24.3	-0.3
CCM	Cathedral Cave	59.20 341	eP	P	05 41 24.8	-0.1
CCM	Cathedral Cave	59.20 341	P	P	05 41 24.8	-0.1
O50A	Cable	59.20 348	P	P	05 41 24.9	0.0
R42A	Luebering	59.26 341	P	P	05 41 25.6	+0.3
Q44A	Meyer Farm, Va	59.32 343	eP	P	05 41 25.3	-0.4
Q44A	Meyer Farm, Va	59.32 343	P	P	05 41 25.3	-0.4
N53A	Lisbon	59.34 350	P	P	05 41 25.3	-0.6
N54A	Moraine State	59.37 351	P	P	05 41 26.1	0.0
O49A	Covington	59.39 347	eP	P	05 41 25.6	-0.6
O49A	Covington	59.39 347	P	P	05 41 25.9	-0.3
R41A	Rosebud	59.46 341	P	P	05 41 26.9	+0.2
P46A	Rosedale	59.51 345	P	P	05 41 27.2	+0.2
P45A	Graceland, Par	59.56 344	eP	P	05 41 26.7	-0.7
P45A	Graceland, Par	59.56 344	P	P	05 41 26.5	-0.8
O48A	Farmdale	59.63 347	P	P	05 41 27.0	-0.8
N51A	Ashland	59.71 349	P	P	05 41 27.7	-0.7
P42A	Sand Creek, Wi	59.73 343	P	P	05 41 27.9	-0.6
Q44A	Golden Eagle	59.77 342	P	P	05 41 28.5	-0.2
O47A	Sheridan	59.84 346	P	P	05 41 28.6	-0.7
M54A	Oil Creek Stat	59.86 352	P	P	05 41 28.8	-0.6
MNTX	Cornudas Mount	59.91 325	eP	P	05 41 30.2	+0.2
MNTX	Cornudas Mount	59.91 325	P	P	05 41 54.5	-0.3
Q41A	Truxton	60.02 341	P	P	05 41 30.2	-0.3
N49A	Columbus Grove	60.06 348	eP	P	05 41 30.1	-0.7
N49A	Columbus Grove	60.06 348	P	P	05 41 30.3	-0.5
M51A	Elyria	60.08 349	P	P	05 41 30.3	-0.6
BINY	Binghamton	60.13 355	P	P	05 41 31.0	-0.2
P43A	Skaggs, Pawnee	60.15 343	P	P	05 41 30.9	-0.5
N48A	Decatur	60.18 347	P	P	05 41 31.1	-0.5
SFIN	Lafayette	60.20 345	P	P	05 41 31.4	-0.3
O45A	Potomac	60.23 344	P	P	05 41 31.1	-0.8
M50A	Fremont	60.30 349	P	P	05 41 31.3	-1.1
P42A	Winchester	60.33 342	eP	P	05 41 32.2	-0.4
P42A	Winchester	60.33 342	P	P	05 41 32.3	-0.5
O44A	Marfield	60.33 344	P	P	05 41 31.7	-0.9
N47A	Urbana	60.34 346	P	P	05 41 31.8	-0.9
MSTX	Muleshoe	60.35 329	eP	P	05 41 33.5	+0.4
MSTX	Muleshoe	60.35 329	P	P	05 41 32.0	-1.0
M49A	Liberty Center	60.55 348	P	P	05 41 33.5	-0.6
N46A	Monticello	60.60 346	P	P	05 41 33.9	-0.6
P41A	Barry, Barry	60.63 341	P	P	05 41 34.1	-0.6
O43A	Sugar Creek Fa	60.69 343	P	P	05 41 34.5	-0.6
O42A	Bath	60.82 343	P	P	05 41 35.4	-0.6
N44A	Piper City	60.85 344	P	P	05 41 35.1	-1.0
HDIL	Hopedale	60.93 343	eP	P	05 41 36.0	-0.7
HDIL	Hopedale	60.93 343	P	P	05 41 36.0	-0.7
O41A	Pasleys Farm,	60.98 342	P	P	05 41 36.5	-0.6
L48A	N Adams	61.09 348	P	P	05 41 37.2	-0.6
L49A	Milan	61.12 348	P	P	05 41 37.4	-0.6
N43A	Stutzman Famil	61.26 344	P	P	05 41 38.6	-0.3
L47A	Sherwood	61.28 347	P	P	05 41 38.5	-0.6
N42A	Yates City	61.39 343	P	P	05 41 39.4	-0.5
K50A	Gasport	61.56 349	P	P	05 41 39.6	-1.2
M43A	Waltham Townsh	61.67 344	P	P	05 41 41.0	-0.6
K49A	Clarkson	61.72 349	P	P	05 41 41.4	-0.6
K48A	Perry	61.86 348	P	P	05 41 42.4	-0.5
319A	Douglas	61.87 322	eP	P	05 41 43.8	+0.4
N40A	Mertquake, Sal	61.89 342	P	P	05 41 42.8	-0.4
K47A	Vermontville	61.91 348	P	P	05 41 42.7	-0.5
M41A	Milan	62.04 343	P	P	05 41 43.6	-0.6
K46A	Dorr	62.09 347	P	P	05 41 43.6	-0.8
J49A	Matlette	62.22 349	P	P	05 41 44.5	-0.8

J48A	Bridge Port	62.27 349	P	P	05 41 45.1	-0.5
L43A	Garden Prairie	62.31 344	P	P	05 41 45.6	-0.3
M40A	Post Highland	62.35 342	P	P	05 41 45.7	-0.5
L42A	Oliver, Polo	62.38 344	P	P	05 41 45.6	-0.9
J47A	Sunmer	62.42 348	P	P	05 41 46.1	-0.5
M39A	Webster	62.62 341	P	P	05 41 47.4	-0.6
L41A	Preston	62.68 343	P	P	05 41 47.8	-0.6
K43A	Burlington	62.70 345	P	P	05 41 48.0	-0.5
L40A	Anamosa	62.87 342	P	P	05 41 49.7	0.0
ANMO	Albuquerque	62.99 327	eP	P	05 41 51.4	+0.6
ANMO	Albuquerque	62.99 327	P	P	05 41 51.1	+0.

Error ellipse: s-maj=41.9km s-min=32.6km az=122.0
ISC 24 06:22:40.9.0.4, 66.63N, 103.6375E, 0.04, h35km, n144,
c291/174, mb4.0/27, MS3.1/6, 11C-9D, Ural Mountains
region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like AMD Amderma, SOKR Solikamsk, etc.

Table with columns: STEI, LPSR, OTUK, etc. Lists stations like STEI LPSR, OTUK Ortau, etc.

Table with columns: PDAR, DBIC, DBIC, etc. Lists stations like PDAR Pinedale Array, DBIC Dimbrok, etc.

24d 6h

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, etc.

MOS 24 06:33:01.9, 0.0, 42.53N, 41.13E, h6km, MPVA2.8
DDA 24 06:33:03.2, 42.25N, 41.28E, h7km, MI2.5
ISC 24 06:32:59.3, 2.5, 42.38N, 0.03, 41.03E, 0.06, h5km, 21km,

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like DBOC Borcka, DBOC Arkhyz, ARXK Arkhyz, etc.

ANF 24 06:40:43.5, 1.1, 5.27N, 72.63W, h5km, Error ellipse:
s-maj=18.6km s-min=11.1km az=151.0
ISCJB 24 06:41:12.6, 0.6, 6.75N, 0.02, 73.11W, 0.03, h159km, 1km,
mb3.8/15, Error ellipse: s-maj=4.5km s-min=3.2km az=9.2
IDC 24 06:41:12.6, 0.6, 6.75N, 72.99W, h158km, 5km, mb3.6/15,
mb1.3/8.22, mb1mx3.7/34, mbtmp4.2/22, Error ellipse:
s-maj=10.7km s-min=9.3km az=146.0
RSNC 24 06:41:14.4, 1.0, 6.84N, 73.09W, h150km, 4km, ML4.4,
Mw4.3

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like BARC Barichara, GIRC Giron, BARRC Barranca, etc.

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Table with columns: UREC, San Jos' de U, UREC, UREC, UREC, etc. Includes stations like UREC San Jos' de U, UREC UREC, UREC UREC, etc.

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Table with columns: S52A, WVT, T49A, U47A, U46A, R52A, S49A, S48A, U44B, R50A, T46A, X40A, Q52A, S47A, Q51A, V42A, U43A, BDFB, S46A, WCI, R48A, R47A, P52A, V51A, U42A, Q48A, SSPA, T43A, N59A, P50A, W39A, U41A, S44A, O53A, Q47A, R45A, T42A, O51A, S43A, ACSO, O50A, U40A, N53A, T41A, P47A, Q45A, S42A, R43A, N50A, M54A, P46A, P45A, CCM, R42A, Q47A, Q43A, R41A, M50A, Q42A, SFIN, P43A, Q41A, M48A, N46A, P42A, L49A, P41A, TXAR, TXAR, TXAR, HDIL, L47A, O41A, L46A, N42A, N41A, J47A, H52A, L41A, M39A, KSU1, I46A, L40A, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like H47A Mio, L39A Vinton, F55A Otter Lake, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SIJ Sorong, SIJ Fityroz Crossi, WRA Warramunga Arr, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MKAR Makanchi Array, ILAR Eielson Array, TORD Torodi Arr, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SJA 24 07:24:29.3-0.9, RTVC Cerro Valdivia, CFA Coronel Fontan, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CRAAG 24 07:27:04.6, EANR 'Ain N'Sour, ECHAF Ech Chlef, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like EQES Quesada, EQES Mallorea, EQEUE Qantar, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like UGM Wanagama, PCJJ Pegitan, WOJ Wonogiri, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MOS 24 07:44:40.3, KRSC 24 07:44:39.1, TUMD Tumrok D, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPN, Esso, Nalytchevo, Sedlovina, Somma, Arik, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BZWR, KBG, KRG, LGNR, KRRS, KLY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NKL, KIWV, ADK, KUR, BILL, UGL, etc.

ISK 24 07:49:54.7, 42.41N, 01.91E, h5km, ML2.5/2
DDA 24 07:49:59.3, 42.26N, 41.17E, h7km, ML3.0
MOS 24 07:49:59.5, 0.0, 42.57N, 41.12E, h6km, MPVA3.2

ISC 24 07:49:56.4, 1.2, 42.40N, 0.02, 41.07E, 0.04, h5km, 11km, n16, c085/30, Western Caucasus

Code Station Name Az Phase ID Time Res
DOMR Dombai 0.98 24 ePg Op 07 50 16.0 0.0

Main data table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DOMR, BCBA, DBOC, ARXR, CHOM, DBAD, DAGI, AGillar, NEY, NEYtrino, EPOS, SOchi, SOC, DDEM, DDEM, GGUZR, GGUZR, DIGR, DIGR, KIV, ZEI, ZEI, ESPY, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, and other parameters. Includes stations like MSO Missoula, O03E Paynes Creek, FFC Flin Flon, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, and other parameters. Includes stations like MOOV Moose Ponds, LOHW Long Hollow, SNOW Snow King Mtn, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, and other parameters. Includes stations like KKAR Karatay Array, ARSB Arslanbob, GSC Goldstone, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PV05, PV03, PDMCI, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSCO, NC309, NC204, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like H42A, IIGN, IIGN, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like 47A Sherwood, KRAB Krabi, 044A Mansfield, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like 44A Benton, ERPA Erie, N51A Ashland, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like V45A Humboldt, SIM Simferopol', S49A Springfield, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes call signs like PLAL, W47A, S52A, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes call signs like Z47A, DOU, S0P, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes call signs like MDSI, OZLJ, BR101, etc.

Table with columns: Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PEL, ASAL, ACLC, CERRO LA CRUZ, ARCO, etc.

IDC 24 08:58:18.9, 2.0, 1.011452E, h0km, mb3.5/5, mb1 3.8/6, mb1mx3.6/46, mbtmp3.6/6, ML3.0/1. Error ellipse: s-maj=104.9km s-min=19.5km az=49.0, South of Bali

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

IDC 24 09:05:48.2, 0.0, 5.162N, 176:89W, h0km, mb4.1/25, mb1 4.3/26, mb1mx4.1/71, mbtmp4.1/26, ML4.1/1, MS3.4/2, Ms1 3.4/2, ms1mx3.6/46, Error ellipse: s-maj=19.4km s-min=10.8km az=169.0

ISCJB 24 09:05:55.0, 0.3, 51.63N, 107:05:176:87W, 0.0, h2km, 2km, mb4.4/69, Error ellipse: s-maj=8.9km s-min=2.9km az=167.3

NEIC 24 09:05:54.2, 0.0, 51.45N, 176:78W, h40km, mb4.3/70, ML4.2(AEIC), After AEIC

ISC 24 09:05:55.4, 1.1, 51.61N, 107:176:85W, 0.0, h53km, 7km, n179, 019/104, mb4.4/70, Andronof Islands

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KIMD, ADK, KIWV, etc.

Large table with columns: Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IL1, ILAR, ILB, etc.

Large table with columns: Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BVAR, TZTN, Y49A, etc.

24d 10h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NLY Nalytchevo, SLDL Sedlovina, SMAR Somma, etc.

ASRS 24 09:17:58.7, 53.77N-90.98E, M3.4, Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + CD-ROM, 2014)

ASC 24 09:18:05.6, 2.4, 53.71N-90.46E, h0km, mb4.2, mpv3.9, Error ellipse: s-maj=24.3km s-min=16.4km az=174.0, Suspected Mining explosion.

IDC 24 09:18:01.5, 1.6, 53.55N-90.91E, h0km, mb3.51, mb1 3.8/3, mb1mx3.3/5, mbtmp3.7/3, ML3.0/3, 5C-4D, Error ellipse: s-maj=22.9km s-min=14.3km az=144.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, KURK Kurchatov, KURB Kurchatov Arra, etc.

JMA 24 09:20:01.5, 0.3, 30.72N-138.27E, h17km, M4.0, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TK01 Tokai 1, T01 TONANKAI O.B.S., etc.

ISCJB 24 09:31:49.7, 0.6, 39.79N-0.04, 30.87E, h11km, Error ellipse: s-maj=7.0km s-min=4.4km az=150.8

ISK 24 09:31:49.3, 3.17, 39.74N-30.80E, h8km, 6km, ML1.3/2, DDA 24 09:31:49.3, 3.17, 39.82N-30.95E, h7km, ML2.5

ISC 24 09:31:49.9, 0.9, 39.76N-0.03, 30.86E, h11km, n14, c1524/19, Turkey

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

IDC 24 09:50:33.1, 1.7, 2.22S-141.16E, h0km, mb3.0/2, mb1 3.4/3, mb1mx3.2/26, mbtmp3.2/3, ML3.4/1, Error ellipse: s-maj=34.6km s-min=12.7km az=141.0, Near north coast of New Guinea

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

KRSC 24 09:54:12.8, 0.9, 52.32N-158.49E, h91km, 7km, ML3.8, Near east coast of Kamchatka Peninsula

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

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MTRV Mutnovka, GRL Gorelyy, etc.

DJA 24 10:05:06.4, 0.5, 0.5, 4.12, 12.3E, h60km, 13km, M3.6/7, ML3.6/7, Minahasa Peninsula, Sulawesi

IDC 24 10:05:27.6, 4.6, 6.69S-129.88E, h129km, 58km, mb3.0/1, mb1 3.0/4, mb1mx2.9/48, mbtmp3.4/4, MS3.2/1, Ms1 3.2/1, ms1mx2.5/18, Error ellipse: s-maj=105.8km s-min=24.0km az=80.0, Banda Sea

IDC 24 10:10:29.8, 1.2, 12.66N-48.69E, h0km, mb3.8/1, mb1 3.9/12, mb1mx3.7/55, mbtmp3.8/12, ML3.9/1, MS3.5/7, Ms1 3.5/7, ms1mx3.1/44, Error ellipse: s-maj=28.3km s-min=18.8km az=3.0

ISCJB 24 10:10:30.2, 0.6, 12.80N-0.09, 48.53E, h10km, mb4.0/15, MS3.5/6, Error ellipse: s-maj=12.7km

NEIC 24 10:10:31.2, 0.2, 12.61N-48.66E, h10km, mb4.5/4, Error ellipse: s-maj=11.3km s-min=6.7km az=166.0

DHMR 24 10:10:31.8, 1.5, 13.29N-48.31E, h10km, ML3.9

ISC 24 10:10:32.9, 0.8, 13.00N-0.09, 48.59E, h10km, n37, c214/38, mb4.1/16, MS3.4/6, 2C, Eastern Gulf of Aden

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

IDC 24 10:10:32.9, 0.8, 13.00N-0.09, 48.59E, h10km, n37, c214/38, mb4.1/16, MS3.4/6, 2C, Eastern Gulf of Aden

ISCJB 24 10:10:30.2, 0.6, 12.80N-0.09, 48.53E, h10km, mb4.0/15, MS3.5/6, Error ellipse: s-maj=12.7km

NEIC 24 10:10:31.2, 0.2, 12.61N-48.66E, h10km, mb4.5/4, Error ellipse: s-maj=11.3km s-min=6.7km az=166.0

DHMR 24 10:10:31.8, 1.5, 13.29N-48.31E, h10km, ML3.9

ISC 24 10:10:32.9, 0.8, 13.00N-0.09, 48.59E, h10km, n37, c214/38, mb4.1/16, MS3.4/6, 2C, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MUKL Al Mukalla, BDHA Al Bayda, etc.

IDC 24 10:10:32.9, 0.8, 13.00N-0.09, 48.59E, h10km, n37, c214/38, mb4.1/16, MS3.4/6, 2C, Eastern Gulf of Aden

ISCJB 24 10:10:30.2, 0.6, 12.80N-0.09, 48.53E, h10km, mb4.0/15, MS3.5/6, Error ellipse: s-maj=12.7km

NEIC 24 10:10:31.2, 0.2, 12.61N-48.66E, h10km, mb4.5/4, Error ellipse: s-maj=11.3km s-min=6.7km az=166.0

DHMR 24 10:10:31.8, 1.5, 13.29N-48.31E, h10km, ML3.9

ISC 24 10:10:32.9, 0.8, 13.00N-0.09, 48.59E, h10km, n37, c214/38, mb4.1/16, MS3.4/6, 2C, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KK31 Karatay Arrat, AKAB Malin Array S, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WR1 Warramunga Arr.

BUI 24 10:13:30.0, 0.55, 29N-161.86E, h9km, mb4.5/25, mb5.0/15, Ms4.5/8, Mst7.4/8

KRSC 24 10:13:34.2, 1.3, 54.83N-162.13E, h60km, 20km, ML5.1, FELT [IV] at GMS Kronoki

MOS 24 10:13:36.3, 1.0, 54.89N-162.02E, h59km, mb4.8/57, Error ellipse: s-maj=6.4km s-min=3.3km az=87.9

MOS Felt [IV] at Kronoki

ISCJB 24 10:13:36.2, 0.3, 54.87N-162.02E, h57km, 2km, mb4.5/145, MS3.9/26, Error ellipse: s-maj=4.3km s-min=2.3km az=39.1

NEIC 24 10:13:37.0, 0.4, 54.94N-161.94E, h51km, 3km, mb4.6/93, Error ellipse: s-maj=4.4km s-min=2.3km az=159.0

IDC 24 10:13:37.2, 0.5, 54.99N-161.94E, h44km, 23km, mb4.2/31, mb1 4.4/34, mb1mx4.3/55, mbtmp4.5/34, ML4.0/3, MS3.7/22, Ms1 3.7/22, ms1mx3.5/41, Error ellipse: s-maj=14.2km s-min=9.4km az=150.0

ISC 24 10:13:35.9, 0.3, 54.87N-162.02E, h40km, 4km, n435, c1940/482, mb4.6/145, MS3.9/27, 30C-26D, Near east coast of Kamchatka Peninsula

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

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PAU	Pauzhetka	4.65 225	PN	Pn	10 14 46.1 +2.6
SKR	Severo-Kuril's	5.54 223	eP	Pn	10 14 58.3 +2.7
SKR	Severo-Kuril's	5.54 223	eS	Sn	10 15 59.3 +1.3
SKR	Severo-Kuril's	5.54 223	eP	Sn	10 14 58.8 +3.2
SKR	Severo-Kuril's	5.54 223	eS	Sn	10 16 01.0 +3.0
SKR	comp=E,164nm,0.6s			smax	
SKR	comp=E,640nm,0.8s			smax	
SKR	comp=N,655nm,0.8s			smax	
TILK	Tilichiki	6.00 20	eP	Pn	10 15 03.4 +1.4
TILK	Tilichiki	6.00 20	PN	Pn	10 15 03.4 +1.4
MA2	Magadan	7.74 312	LR	LR	10 18 54.0
comp=N,769nm,20.9s	baz=108,slow=49				
KMSK	Kamenskaya	7.92 14	eP	Pn	10 15 30.3 +2.1
KMSK	Kamenskaya	7.92 14	PN	Pn	10 15 30.3 +2.1
NKL	Nikolayevsk	12.70 271	eP	Pn	10 16 39.2 -4.9
NKL	comp=E,17nm,1.0s			pmax	
NKL	comp=Z,21nm,1.0s			pmax	
BILL	Bilibino	13.36 7	eP	Pn	10 16 42.2 -0.4
BILL	Bilibino	13.36 7	eP	Pn	10 16 46.9 +4.2
BILL	comp=Z,20nm,1.7s			pmax	
BILL	comp=Z,315nm,16.0s			MLR	
YSS	Yuzh-Sakhalins	14.50 245	eP	P	10 17 03.5 -0.7
YSS	comp=Z,600nm,16.0s			MLR	
SHO	Shikotan	14.79 228	P	Pn	10 16 58.6 -3.5
SHO	comp=N,17nm,0.7s			smax	
SHO	comp=Z,21nm,0.7s			pmax	
SHO	comp=E,14nm,0.6s			pmax	
YUK	Yuzh-Kuril'sk	15.08 231	P	Pn	10 17 06.4 +0.4
YUK	comp=Z,97nm,0.6s			smax	
YUK	comp=N,45nm,0.7s			pmax	
YUK	comp=E,62nm,0.7s			pmax	
YUK	comp=Z,299nm,1.7s			pmax	
GRNR	Gornyy	16.00 266	eP	P	10 17 24.0 +3.1
GRNR	comp=Z,26nm,1.0s			pmax	
ASAJ	Asahikawa	16.55 237	P	P	10 17 26.1 -0.8
ASAJ	comp=Z,1.6nm,0.3s,baz=61,slow=13,SNR=15			LR	
ASAJ	comp=Z,300nm,21.1s,baz=26,slow=35			LR	
ASAJ	Asahikawa	16.55 237	eP	Pn	10 17 25.5 +0.7
ERM	Erimo	17.89 232	eP	Pn	10 17 41.8 0.0
ERM	comp=Z,62nm,1.1s			pmax	
ERM	Erimo	17.89 232	eP	Pn	10 17 39.1 -2.4
YAK	Yakutsk	18.25 306	eP	Pn	10 17 45.7 +0.1
YAK	comp=Z,19nm,0.8s			pmax	
YAK	comp=E,8.0nm,0.9s			pmax	
UNV	Unalaska Valley	18.26 80	eP	Pn	10 17 46.8 +0.9
UNV	comp=E,118nm,1.5s			pmax	
ANM	Nome	18.84 46	eP	Pn	10 17 53.1 +0.3
ANM	comp=E,8.2nm,1.2s			pmax	
ANM	Nome	18.84 46	eP	Pn	10 17 53.1 +0.3
ANM	comp=Z,1.2nm,1.1s			pmax	
TEY	Ternel	19.02 249	eP	Pn	10 17 52.0 -2.1
TEY	comp=Z,10.0nm,1.0s			pmax	
TEY	comp=E,20nm,1.1s			pmax	
KLR	Kul'dur	19.39 266	P	Pn	10 17 59.7 +0.2
KLR	comp=E,0.5nm,0.3s,baz=58,slow=9.2,SNR=16			LR	
KLR	comp=E,243nm,19.2s,baz=67,slow=39			LR	
KLR	Kul'dur	19.39 266	eP	Pn	10 17 57.9 -0.3
ZEA	Zeya	20.23 281	eP	Pn	10 18 11.0 +1.5
ZEA	comp=Z,21nm,1.2s			pmax	
ZEA	comp=N,500nm,14.0s			MLR	
ZEA	comp=Z,600nm,14.0s			MLR	
RDQG	Red Dog Mine	20.91 37	eP	P	10 18 15.8 +1.2
RDQG	comp=Z,8.5nm,0.8s			pmax	
TIXI	Tiksi	22.00 332	P	P	10 18 26.4 +0.2
TIXI	comp=Z,6.0nm,0.4s,baz=122,slow=8.7,SNR=23			pmax	
TIXI	Tiksi	22.00 332	eP	P	10 18 26.6 +0.4
TIXI	comp=Z,2.2nm,1.4s			pmax	
USRK	Ussuriysk Ar.	22.08 254	LR	LR	10 27 04.2
IM3	Indian Mountain	23.91 45	eP	P	10 18 45.1 -0.4
PPLA	Purkeypile	24.47 52	eP	P	10 18 51.5 +0.6
MJB9	Matsu-Tunnel	24.57 232	eP	P	10 18 52.5 +0.6
MAJO	Matsushiro	24.57 232	eP	P	10 18 52.5 +0.6
MAJO	comp=Z,30nm,0.7s			pmax	
MAJO	Matsushiro	24.57 232	eP	P	10 18 52.3 +0.4
MAJO	comp=Z,28nm,0.7s			pmax	
MAT	Matsushiro	24.57 232	P	P	10 18 52.5 +0.6
MJAR	Matsushiro Arr	24.57 232	P	P	10 18 53.0 +1.1
MJAR	comp=Z,18nm,0.8s,baz=25,slow=7.6,SNR=38			LR	
MJAR	Matsushiro Arr	24.57 232	P	P	10 30 13.3
MJAR	comp=Z,109nm,20.4s,baz=35,slow=40			LR	
MJAR	Matsushiro Arr	24.57 232	P	P	10 18 53.0 +1.1
MJAR	comp=Z,18nm,0.8s			MLR	
MJAR	comp=Z,1.8nm,0.8s			MLR	
KDAK	Kodiak Island	24.95 65	P	P	10 18 55.6 +0.5
KDAK	comp=Z,9.0nm,0.8s,baz=81,slow=19,SNR=2.9			pmax	
KDAK	Kodiak Island	24.95 65	eP	P	10 18 55.6 +0.5
BPWA	Bear Paw Mtn.	24.98 49	eP	P	10 18 55.7 +0.3
BPWA	comp=Z,110nm,1.5s			pmax	
MLY	Manley	25.09 47	eP	P	10 18 56.6 +0.2
MLY	comp=Z,3.4nm,0.8s			pmax	
SUA	Susitna One	25.25 56	eP	P	10 18 57.9 -0.1
SUA	comp=Z,33nm,0.8s			pmax	
CNPM	China Poot	25.29 60	eP	P	10 18 57.8 -0.4
CNPM	comp=Z,48nm,1.2s			pmax	
TRF	Thorofare Moun	25.31 51	eP	P	10 18 58.7 +0.1
TRF	comp=Z,8nm,0.9s			pmax	
RC01	Rabbit Creek A	25.78 56	eP	P	10 19 02.6 0.0
RC01	comp=Z,19nm,1.3s			pmax	
MCK	McKinley	25.90 50	eP	P	10 19 02.8 -0.9
MCK	comp=Z,6.5nm,0.9s			pmax	
MCK	McKinley	25.90 50	eP	P	10 19 02.8 -0.9
MCK	comp=Z,7.0nm,0.9s			pmax	
RND	Reindeer	25.95 51	eP	P	10 19 03.5 -0.8
RND	comp=Z,11nm,1.0s			pmax	
RND	Reindeer	25.95 51	eP	P	10 19 03.5 -0.8
RND	comp=Z,1.1nm,1.0s			pmax	
CN2	Changchun	26.01 260	eP	P	10 19 03.4 -1.5
CN2	comp=Z,32nm,1.5s			pmax	
CN2	Changchun	26.01 260	eS	S	10 23 31.4 -1.4
CN2	comp=Z,10.0nm,1.1s			pmax	
CN2	comp=Z,200nm,3.0s			pmax	
CN2	comp=Z,400nm,12.0s			LR	
CN2	comp=Z,300nm,12.0s			LR	
CN2	comp=Z,500nm,10.0s			LR	
GHO	Glory Hole Cre	26.08 55	eP	P	10 19 05.5 +0.1
GHO	comp=Z,21nm,1.2s			pmax	
INU	Inuyama	26.10 232	eP	P	10 19 05.1 -0.6
INU	comp=Z,32nm,1.4s			pmax	
MDM	Murphy Dome	26.16 47	eP	P	10 19 06.2 +0.2
MDM	comp=Z,4.7nm,0.9s			pmax	
WRH	Wood River Hill	26.23 49	eP	P	10 19 07.2 +0.6
WRH	comp=Z,7.8nm,0.9s			pmax	
BOD	Bodaibo	26.36 296	eP	P	10 19 10.1 +2.2
BOD	comp=Z,2.4nm,0.7s			pmax	

IL1	comp=Z,8.0nm,0.8s				
ILAR	Eielson Array	26.74 48	eP	P	10 19 10.9 -0.3
ILAR	Eielson Array	26.74 48	P	P	10 19 10.9 -0.3
ILAR	comp=Z,0.9nm,0.7s,baz=260,slow=8.1,SNR=15			LR	
ILAR	comp=Z,87nm,18.3s,baz=264,slow=38			LR	
ILAR	Eielson Array	26.74 48	P	P	10 19 11.0 -0.3
ILAR	comp=Z,1.0nm,0.7s			pmax	
ILAR	comp=Z,87nm,18.3s			MLR	
ILB	Eielson Array	26.74 48	eP	P	10 19 11.5 +0.2
JHJ2	Mitsune	26.79 225	eP	P	10 19 11.8 -0.2
JHJ2	comp=Z,26nm,1.5s			pmax	
SCM	Sheep Creek Mo	26.82 54	eP	P	10 19 12.0 -0.1
SCM	comp=Z,32nm,1.1s			pmax	
SCM	Sheep Creek Mo	26.82 54	eP	P	10 19 12.0 -0.1
SCM	comp=Z,33nm,1.1s			pmax	
PRP	Porcupine Dome	27.28 46	eP	P	10 19 16.0 -0.3
PRP	comp=Z,8.1nm,1.0s			pmax	
HARP	HAARP	27.75 53	eP	P	10 19 20.8 +0.4
HARP	comp=Z,20nm,1.1s			pmax	
EGAK	Eagle	29.18 47	eP	P	10 19 32.1 -0.9
EGAK	comp=Z,4.2nm,0.8s			pmax	
DAWY	Dawson	30.05 48	eP	P	10 19 40.6 -0.2
DAWY	comp=Z,5.7nm,1.4s			pmax	
JNU	Nakatsue	30.83 238	P	P	10 19 48.7 +0.8
JNU	comp=Z,8.5nm,0.9s,baz=147,slow=8.6,SNR=5.0			LR	
JNU	comp=Z,63nm,21.6s,baz=114,slow=37			LR	
JNU	Nakatsue	30.83 238	eP	P	10 19 48.0 0.0
JNU	comp=Z,35nm,1.3s			pmax	
HYT	Haines Junctio	31.66 54	eP	P	10 19 55.5 +0.4
HYT	comp=Z,1.9nm,1.4s			pmax	
INK	Inuvik	31.75 40	eP	P	10 19 56.1 +0.5
INK	comp=Z,1.8nm,0.7s,baz=299,slow=7.5,SNR=10			pmax	
INK	Inuvik	31.75 40	eP	P	10 19 55.7 +0.1
INK	comp=Z,5.9nm,1.4s			pmax	
INK	Inuvik	31.75 40	eP	P	10 19 55.7 +0.1
INK	comp=Z,6.0nm,1.4s			pmax	
ULN	Ulanbaatar	34.27 282	eP	P	10 20 17.6 -0.4
ULN	comp=Z,3.0nm,1.6s			pmax	
SONAO	Songino Array	34.66 282	eP	P	10 20 21.9 +0.5
SONAO	comp=Z,0.6nm,0.6s,baz=51,slow=9.0,SNR=5.1			PcP	
SONM	Songino Array	34.66 282	P	P	10 20 21.9 +0.5
SONM	comp=Z,3.4nm,0.7s,baz=63,slow=1.5,SNR=14			PcP	
SONM	comp=Z,150nm,18.3s,baz=24,slow=39			LR	
H11N2	WAKE ISLAND Hy 35.27 172	T	T	10 57 40.9	
H11N2	comp=Z,1.2nm,1.1s			pmax	
H11N2	WAKE ISLAND Hy 35.27 172	T	T	10 57 40.9	
H11N2	comp=Z,1.2nm,1.1s			pmax	
H11N3	WAKE ISLAND Hy 35.28 172	T	T	10 57 45.3	
H11N3	comp=Z,1.2nm,1.1s			pmax	
H11N3	WAKE ISLAND Hy 35.28 172	T	T	10 57 45.5	
H11N3	comp=Z,1.2nm,1.1s			pmax	
H11N1	WAKE ISLAND Hy 35.28 172	T	T	10 57 45.5	
H11N1	comp=Z,1.2nm,1.1s			pmax	
H11N1	WAKE ISLAND Hy 35.28 172	T	T	10 57 45.5	
H11N1	comp=Z,1.2nm,1.1s			pmax	
HHC	Hu-ho-hao-tee	35.86 268	eP	P	10 20 33.3 +1.6
HHC	comp=Z,2.9nm,1.4s			pmax	
HHC	Hu-ho-hao-tee	35.86 268	eS	S	10 26 08.3 +1.6
HHC	comp=Z,2.9nm,1.4s			pmax	
HHC	comp=Z,290nm,4.8s			LR	
HHC	comp=Z,630nm,12.9s			LR	
HHC	comp=Z,740nm,11.8s			LR	
HHC	comp=Z,630nm,12.9s			LR	
HHC	comp=Z,740nm,11.8s			LR	
DLBO	Dease Lake	36.06 56	eP	P	10 20 35.0 +1.8
DLBO	comp=Z,1.2nm,1.1s			pmax	

24d 10h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like NB2 NORSTAR Subarra, NB200 NORSTAR Array S, NOA NORSTAR Array B, etc.

2012 DEC

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like DRGR 73.06 332, DRGR 73.06 330, DOPR Dopca, etc.

1196

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SUJI 10 25 01.6 +0.1, JAY Jayapura, YULB 11n,1.0s, etc.

NNC 24 10:14:52.0±0.4, 48.94N-68.62E, h0km, mb3.1, mpv2.7, 4C-1D, Error ellipse: s-maj=16.0km s-min=10.3km az=88.0, Suspected Mining explosion., Central Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like OTUK Otatay, BVA0 Borovoye, etc.

MOS 24 10:15:50.9±0.0, 42.49N-41.16E, h6km, MPVA2.9 DDA 24 10:15:51.9, 42.13N-40.87E, h7km, MIE2.9

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

ISCJB 24 10:21:05.1±0.3, 41.71N-05.126E, h0km, mb4.1/11, mb4.3/21, Error ellipse: s-maj=12.4km s-min=4.0km az=150.8

ISC 24 10:14:05.0±0.7, 4.15N-126.53E, h0km, mb4.1/11, mb1.4/3/12, mb1mx4.1/40, mbtmp4.2/12, ML4.4/1, MS3.3/5, MS-1=13.2km, MS-2=6/33, Error ellipse: s-maj=38.9km

NEIC 24 10:14:11.0±0.9, 4.15N-126.69E, h45km, mb4.4/11, Error ellipse: s-maj=15.0km s-min=4.8km az=73.0

MAN 24 10:14:11.7, 3.72N-125.96E, h36km, mb5.4, ML4.3, MS4.5 ISC 24 10:14:07.0±0.5, 4.05N-126.64E, h0km, n54, c=2500/57, mb4.5/21, 2D, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like SFK Sufi-Kurgan, SFK 34nm,0.3s, etc.

24d 12h

az=80.0

NEIC [IV] at Coquimbo and La Serena; [III] at Alto del Carmel, Copiapo, La Higuera, Huasco, Tierra Amarilla and ValLENar; [II] at Andacollo, Paiguano and Vicuna.

MOS 24 12:12:36.9 1.3, 28.968x71.39W, h36km, mb5.3/45, MS4.7/5, Error ellipse: s-maj=11.5km s-min=6.2km

az=103.2

GUC 24 12:12:37.8 0.6, 29.175x71.35W, h58km, 4km, ML5.4, MW5.5

GCMT 24 12:12:41.3 0.2, 29.015x71.79W, 0.02, h41km, MW5.2/67, Moment Tensor Solution, s73,c95; s87,c136;

Duration: 1s0 Moment tensor: Sca: 101°Nm; M=0.67e+02; Mw=0.11e+02; Mw-0.78e+02; Mw-0.29e+02; Mw-0.24e+01; Mw-0.16e+02; Best double couple: Mo: 8.9300e+10 NPI: 354.00000, 857.00000, 1.115.00000. NP2: 353.00000, 841.00000, 1.57.00000.

Principal axes: T 0.7990, Plg68.0000, Azm175.0000; N 0.0800, Plg21.0000, Azm19.0000; P -0.8780, Plg8.0000, Azm286.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

SJA 24 12:12:42.1 0.7, 29.255x71.35W, h75km, ML5.4, MW5.4

ISC 24 12:12:35.9 0.7, 29.085x71.59W, 0.05, h24km, 4km, n904, 1802, 1936, 175, 112/16, 218, 64/22, 20C-19D, Near coast of Chile

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists various seismic stations and their associated data points.

2012 DEC

Table with columns: BDFB, comp, Z, 51nm, 1.0s, 25.84, 176, P, P, 12 18 05.2, 0.0. Lists seismic events with detailed parameters like depth, magnitude, and station codes.

1200

Table with columns: Z49A, baz=165, Columbiana, 63.53, 346, P, P, 12 23 03.0, -1.2. Lists seismic events with station codes, magnitudes, and times.

1201 2012 DEC 24d 12h

X40A Basin Creek Fa baz=160	66.33 341	P	P	12 23 22.1	-0.3	R45A Skylar, Fairri baz=164,SNR=11	68.81 346	P	P	12 23 37.1	-0.9	O42A Bath baz=163	71.03 345	P	P	12 23 49.8	-1.8
V46A Holladay baz=164,SNR=6.7	66.39 345	P	P	12 23 21.6	-1.1	P53A Whipple baz=171	68.82 352	P	P	12 23 37.5	-0.5	TVO Taravao comp=Z,0.6nm,0.2s	71.04 260	eT	T	13 41 29.7	
BLA Blackburn baz=172	66.46 352	P	P	12 23 22.9	-0.3	Q49A Aurora baz=168	68.86 349	P	P	12 23 37.5	-0.8	M49A Liberty Center baz=168	71.13 350	P	P	12 23 51.0	-1.2
V45A Humboldt baz=163	66.52 345	P	P	12 23 23.0	-0.5	MVL Millersville comp=Z,9.0nm,0.8s	68.87 356	eP	P	12 23 39.2	+0.9	O41A Passleys Farm, baz=162,SNR=9.3	71.14 344	P	P	12 23 51.6	-0.7
U49A Red Boiling Sp baz=168,SNR=9.2	66.59 348	P	P	12 23 22.9	-1.1	S42A Caledon baz=162,SNR=8.5	68.89 344	P	P	12 23 37.7	-0.8	Y22D IRIS PASSCAL I baz=165	71.15 330	P	P	12 23 50.8	-1.8
MIAR Mount Ida comp=Z,1.2nm,0.9s	66.61 340	eP	P	12 23 24.5	+0.4	TBI Tubuai comp=Z,341nm,26.8s	68.93 254	eLR	LR	12 44 37.5		N44A Piper City baz=165	71.19 347	P	P	12 23 51.2	-1.4
MIAR Mount Ida baz=159	66.61 340	P	P	12 23 23.8	-0.3	TBI Tubuai comp=Z,2.2nm,0.2s	68.93 254	eT	T	13 38 49.1		HDIL Hopedale comp=Z,3.2nm,0.8s	71.20 346	eP	P	12 23 52.0	-0.7
WVT Waverly comp=Z,1.9nm,0.9s	66.64 346	eP	P	12 23 23.7	-0.7	Q48A North Vernon baz=167	68.94 348	P	P	12 23 37.6	-1.1	HDIL Hopedale baz=164	71.20 346	P	P	12 23 51.8	-0.8
WVT Waverly comp=Z,1.9nm,0.9s	66.64 346	eP	pmax	12 23 23.7	-0.7	HSIG comp=Z,1.1nm,1.0s	68.94 323	eP	P	12 23 39.4	+0.3	TIAR Tiare comp=Z,4.8nm,0.2s	71.22 260	eT	T	13 41 42.8	
WVT Waverly baz=164	66.64 346	P	P	12 23 23.2	-1.2	S41A Jillico Farms, baz=161,SNR=9.7	68.96 343	P	P	12 23 38.4	-0.5	HRV Adam Dzewonski baz=180	71.23 20	P	P	12 23 53.8	+1.0
T52A Halle baz=169	66.70 350	P	P	12 23 24.2	-0.6	VNDA Vanda comp=Z,5.3nm,0.8s,baz=136,slow=5.8,SNR=11	68.99 191	P	P	12 23 40.4	+1.6	M48A Edgerton baz=168	71.25 350	P	P	12 23 52.4	-0.5
751A Gray baz=168,SNR=8.0	66.71 349	P	P	12 23 24.0	-0.8	VNDA Vanda comp=Z,100nm,21.3s,baz=144,slow=32	69.00 344	eP	P	12 23 49.5		ERPA baz=172	71.26 353	P	P	12 23 51.9	-1.1
U48A Cassie Pea, Po baz=165,SNR=6.4	66.74 347	P	P	12 23 24.3	-0.7	FVM French Village comp=Z,3.9nm,0.9s	69.00 344	eP	P	12 23 39.4	+0.2	M47A Cromwell baz=167	71.28 349	P	P	12 23 52.0	-1.1
W41B Gary Hativity, V baz=160	66.81 342	P	P	12 23 25.2	-0.3	FVM French Village comp=Z,3.9nm,0.9s	69.00 344	eP	pmax	12 23 39.4	+0.2	PPT2 Papeete2 comp=Z,2.14nm,25.5s	71.40 260	eS	S	12 33 14.7	+2.9
U47A Clarksville baz=165,SNR=11	66.82 346	P	P	12 23 24.6	-0.9	P51A Williamsport baz=169	69.04 351	eP	P	12 23 38.7	-0.7	PPT2 Papeete2 comp=Z,7.78nm,22.5s,baz=127	71.40 260	eLR	LR	12 45 45.8	
ABTX Abilene, Hawle comp=Z,6.5nm,1.5s	66.89 334	eP	P	12 23 26.4	+0.3	P51A Williamsport baz=169	69.04 351	P	P	12 23 38.9	-0.5	PPT Papeete comp=Z,9.93nm,19.0s,baz=86,slow=29	71.41 260	LR	LR	12 47 15.9	
ABTX Abilene, Hawle baz=153,SNR=7.5	66.89 334	P	P	12 23 26.0	-0.1	P52A Corning baz=169	69.06 351	P	P	12 23 39.0	-0.5	M46A Old House Field baz=166	71.45 348	P	P	12 23 53.1	-1.0
T50A Nancy baz=163	66.92 348	P	P	12 23 25.6	-0.5	Q47A Bedford North L baz=166	69.07 348	P	P	12 23 39.4	-0.2	TRY Troy comp=Z,8.9nm,1.3s	71.48 358	eP	P	12 23 54.8	+0.6
U46A Springville baz=164	66.94 345	P	P	12 23 26.6	+0.4	PAGS Pennsylvania G comp=Z,1.9nm,0.9s	69.17 345	P	P	12 23 40.0	+0.1	TUC Tucson comp=Z,6.6nm,1.1s	71.50 326	eP	P	12 23 55.4	+0.6
WHAR Woolly Hollow comp=Z,1.9nm,0.9s	66.94 342	eP	P	12 23 26.2	-0.1	R43A Red Oak baz=163,SNR=6.5	69.17 345	P	P	12 23 39.7	-0.5	TUC Tucson comp=Z,7.0nm,1.1s	71.50 326	P	pmax	12 23 55.6	+0.8
R58B Mineral baz=174,SNR=5.6	66.95 355	P	P	12 23 26.8	+0.6	OLIL Olney comp=Z,4.9nm,1.4s	69.20 346	eP	P	12 23 39.6	-0.8	TUC Tucson baz=144	71.52 330	eP	P	12 23 54.3	-0.7
GNAR Gosnell comp=Z,3.9nm,1.4s	66.98 344	eP	P	12 23 27.4	+0.8	CCM Cathedral Cave comp=Z,3.9nm,0.8s	69.27 344	eP	P	12 23 40.8	0.0	N42A Yates City baz=163	71.63 345	P	P	12 23 54.7	-0.5
TAOE Nuku Hiva Isla comp=Z,4.16nm,23.0s	67.04 273	eLR	LR	12 43 47.4		CCM Cathedral Cave baz=162	69.27 344	P	P	12 23 40.9	0.0	M48A N Adams baz=168	71.66 350	P	P	12 23 54.9	-0.5
U45A Rockin P Farm, baz=164	67.06 345	P	P	12 23 27.0	+0.1	P50A Jamestown comp=Z,3.9nm,0.8s	69.27 350	P	P	12 23 40.6	-0.2	ANMO Albuquerque comp=Z,6.8nm,1.1s	71.68 330	eP	P	12 23 56.0	+0.1
UTMT University of comp=Z,4.1nm,1.0s	67.07 345	eP	P	12 23 26.6	-0.4	O56A Blue Knob Stat baz=173	69.30 354	P	P	12 23 40.5	-0.6	ANMO Albuquerque comp=Z,1.4nm,2.1s	71.68 330	d/P	pmax	12 23 57.1	+1.2
GLAT Glass comp=Z,3.4nm,0.9s	67.10 345	eP	P	12 23 26.9	-0.4	MSTX Muleshoe comp=Z,2.0nm,0.8s	69.30 333	eP	P	12 23 41.4	0.0	ANMO Albuquerque baz=149	71.68 330	P	P	12 23 56.1	+0.1
T49A Edmonton comp=Z,3.5nm,1.3s	67.12 348	eP	P	12 23 26.9	-0.6	MSTX Muleshoe baz=151,SNR=12	69.30 333	P	P	12 23 41.1	-0.2	MNMY Mt. Morris Dam comp=Z,5.0nm,1.0s	71.69 355	eP	P	12 23 55.5	0.0
T49A Edmonton baz=167,SNR=12	67.12 348	P	P	12 23 26.6	-0.8	O55A Ligonier baz=173	69.30 354	P	P	12 23 40.5	-0.5	N41A Harden Midland comp=Z,3.9nm,0.8s	71.70 345	eP	P	12 23 55.2	-0.4
V42A Cord baz=161	67.18 343	P	P	12 23 26.6	-1.2	BLO Bloomington comp=Z,1.4nm,0.6s	69.31 348	eP	P	12 23 40.7	-0.4	N41A Harden Midland baz=162,SNR=6.1	71.70 345	P	P	12 23 54.8	-0.8
U44B Burton Farm, H baz=163	67.21 344	P	P	12 23 27.5	-0.2	BLO Bloomington comp=Z,1.4nm,0.6s	69.31 348	eP	pmax	12 23 40.7	-0.4	L49A Milan baz=169	71.72 350	P	P	12 23 55.7	0.0
W39A Magazine baz=159,SNR=6.0	67.27 340	P	P	12 23 28.8	+0.4	P49A Miami Univ. Ec baz=168	69.35 349	P	P	12 23 40.8	-0.5	KSU1 Kansas State U baz=157	71.73 340	P	P	12 23 56.2	+0.3
S52A Salyersville baz=169	67.28 350	P	P	12 23 27.5	-0.8	Q45A Warren Harvey, baz=164,SNR=13	69.37 346	P	P	12 23 40.7	-0.7	M44A Midewin, Midew baz=165	71.75 347	P	P	12 23 56.0	+0.1
T48A Bowling Green baz=166,SNR=5.7	67.29 347	P	P	12 23 27.6	-0.9	R42A Luebening baz=162,SNR=6.5	69.38 344	P	P	12 23 41.1	-0.4	L47A Sherwood baz=164	71.81 349	P	P	12 23 56.4	+0.1
T47A Sharon Grove baz=165,SNR=6.8	67.31 347	P	P	12 23 27.9	-0.7	P48A Milroy baz=167,SNR=5.2	69.39 349	P	P	12 23 41.1	-0.5	M43A Waltham Townsh baz=164	71.98 346	P	P	12 23 57.7	+0.4
S51A Beattyville comp=Z,1.4nm,0.8s	67.31 350	eP	P	12 23 28.0	-0.6	O52A Adamsville comp=Z,7.7nm,1.0s	69.50 352	eP	P	12 23 41.8	-0.4	K52A Tillsonburg baz=164	72.00 353	P	P	12 23 57.3	0.0
S51A Beattyville baz=169	67.31 350	P	P	12 23 27.8	-0.8	O52A Adamsville baz=170	69.50 352	P	P	12 23 41.1	-1.1	K51A Iona Station baz=171	72.03 352	P	P	12 23 57.1	-0.5
PVMO Portageville comp=Z,7.2nm,0.8s	67.33 344	eP	P	12 23 29.1	+0.4	R41A Rosebud baz=162,SNR=11	69.53 343	P	P	12 23 42.2	-0.3	L46A Eue Claire baz=166	72.03 349	P	P	12 23 57.4	-0.2
U41A Mountainview baz=160,SNR=3.4	67.36 342	P	P	12 23 28.4	-0.0	Q44A Meyer Farm, Va baz=164	69.56 346	P	P	12 23 41.5	-1.1	N40A Metruke, Sal baz=162	72.04 344	P	P	12 23 57.3	-0.4
V44A Portageville baz=163	67.42 344	P	P	12 23 29.2	-0.1	P47A Martinsville baz=166,SNR=5.3	69.57 348	P	P	12 23 41.7	-1.0	K50A Casco baz=170	72.22 351	P	P	12 23 57.9	-0.8
U43A Rector baz=162	67.46 344	P	P	12 23 29.3	-0.2	SLM Saint Louis comp=Z,3.7nm,0.6s	69.58 344	eP	P	12 23 42.8	0.0	214A Organ Pipe Nat baz=143	72.24 324	P	P	12 23 59.8	+0.7
S50A Richmond baz=168,SNR=6.4	67.48 349	P	P	12 23 28.9	-0.8	SLM Saint Louis comp=Z,3.7nm,0.6s	69.58 344	eP	pmax	12 23 42.8	0.0	M41A Milan baz=163	72.26 345	P	P	12 23 58.1	-0.9
T46A Princeton baz=164,SNR=16	67.53 346	P	P	12 23 29.4	-0.5	SSPA Standing Stone comp=Z,5.2nm,1.4s	69.61 355	eP	P	12 23 43.5	+0.6	J52A Paris baz=172	72.42 353	P	P	12 23 59.5	-0.5
PARMO Parma comp=Z,6.2nm,0.8s	67.59 344	eP	P	12 23 30.5	+0.1	SSPA Standing Stone baz=174	69.61 355	P	P	12 23 42.4	-0.5	K48A Perry baz=168	72.45 350	P	P	12 23 59.3	-0.8
U42A Reviden baz=161,SNR=9.9	67.66 343	eP	P	12 23 30.6	-0.3	O51A Pataskala baz=170	69.63 351	P	P	12 23 42.2	-0.8	K47A Vermontville baz=166	72.45 350	P	P	12 24 00.2	+0.1
T45A Paducah comp=Z,5.2nm,0.6s	67.67 345	eP	P	12 23 30.9	+0.1	AMTX Amarillo comp=Z,1.4nm,0.8s	69.67 334	eP	P	12 23 43.8	+0.2	CBKS Cedar Bluff comp=Z,2.0nm,0.8s	72.47 337	eP	P	12 24 00.6	+0.2
T45A Paducah baz=164	67.67 345	P	P	12 23 30.9	+0.1	AMTX Amarillo baz=152	69.67 334	P	P	12 23 44.2	+0.7	CBKS Cedar Bluff comp=Z,2.0nm,0.8s	72.47 337	eP	pmax	12 24 00.6	+0.2
S49A Springfield baz=167	67.74 348	P	P	12 23 30.5	-0.8	Q43A New Douglas baz=163,SNR=12	69.75 345	P	P	12 23 43.1	-0.6	CBKS Cedar Bluff baz=154	72.47 337	P	P	12 24 00.9	+0.5
S48A Wiedeman Farm, baz=166	67.76 348	P	P	12 23 30.6	-0.8	N59A State Game Lan baz=176	69.75 357	P	P	12 23 44.2	+0.4	M40A Post Highland baz=162	72.51 344	P	P	12 24 00.1	-0.4
U41A Viola baz=161,SNR=7.7	67.83 342	P	P	12 23 32.0	+0.1	PAL Palisades baz=178	69.77 358	P	P	12 23 42.7	-1.1	L43A Garden Prairie baz=164	72.65 347	P	P	12 24 01.4	+0.1
S47A Hartford baz=166,SNR=5.6	67.85 347	P	P	12 23 30.9	-1.1	ACSO Alum Creek Sta comp=Z,6.0nm,0.8s	69.77 351	eP	P	12 23 43.3	-0.6	L42A Oliver, Polo baz=163	72.67 346	P	P	12 24 00.9	-0.5
PBMO Poplar Bluff comp=Z,4.2nm,0.8s	67.86 344	eP	P	12 23 31.8	-0.3	ACSO Alum Creek Sta baz=169,SNR=6.4	69.77 351	P	P	12 23 43.2	-0.7	T25A Trinidad comp=Z,1.5nm,0.8s	72.71 333	eP	P	12 24 02.7	+0.6
T44A Benton baz=163,SNR=7.1	67.95 345	P	P	12 23 32.3	-0.4	O50A Cable baz=169	69.77 350	P	P	12 23 43.1	-0.8	T25A Trinidad comp=Z,1.5nm,0.8s	72.71 333	P	P	12 24 02.4	+0.3
R51A Hillsboro baz=169	67.96 350	P	P	12 23 32.8	+0.1	N55A Marion Center baz=173,SNR=5.8	69.84 354	P	P	12 23 44.3	-0.1	M39A Webster baz=161	72.74 344	P	P	12 24 01.9	+0.1
R50A Paris																	

24d 12h

Table with columns: Station ID, Name, Frequency, Power, Direction, and other details. Includes stations like FRNY Flat Rock, K40A Colesburg, JFW5 Jewell Farm, etc.

2012 DEC

Table with columns: Station ID, Name, Frequency, Power, Direction, and other details. Includes stations like ECSD EROS Data Cent, ECSD EROS Data Cent, D54A Lac Seul, La, etc.

1202

Table with columns: Station ID, Name, Frequency, Power, Direction, and other details. Includes stations like NVAR Mina Array Bea, NVAR Mina Array Bea, NVAR Mina Array Bea, etc.

1205 2012 DEC 24d 12h

WB2	Warramunga Arr	25.10 163	eP	P	13 03 42.4	-1.2
MASI	Maura Aman, Be	25.42 254	P	P	13 03 48.8	+2.2
IPM	Iph	25.54 272	eP	P	13 03 49.1	+1.5
SKNT	Sakolankorn	25.62 302	P	P	13 03 49.8	+1.5
BKNI	Bangkinang	25.84 262	eP	P	13 03 51.3	+0.9
BKNI	Bangkinang	25.84 262	eP	P	13 03 51.8	+1.4
MBWA	Marble Bar	26.03 195	eP	P	13 03 52.2	+0.2
SRAK	Srakaw	26.16 294	P	P	13 03 49.9	-3.3
NONG	Nongkai	26.83 303	P	P	13 04 02.4	+3.2
CHAI	Chaiyaphum	26.89 298	P	P	13 04 00.1	+0.2
MNSI	Manding Nat	27.23 264	P	P	13 04 02.6	-0.3
QIS	Mount Isa	27.65 153	P	P	13 04 07.0	+0.4
PSI	Prapat	27.69 268	P	P	13 04 08.7	+1.5
PSI	Prapat	27.69 268	eP	P	13 04 07.5	+0.4
PBKT	Sadaopong	28.05 298	P	P	13 04 11.1	+0.9
MTSU	Mount Surprise	28.18 142	P	P	13 04 14.2	+2.8
AS31	Alice Springs	28.53 166	eP	P	13 04 13.8	-0.6
ASAR	Alice Springs	28.53 166	eP	P	13 04 14.6	+0.1
ASAR	ASAR	28.53 166	eP	P	13 09 05.4	+4.3
ASAR	ASAR	28.53 166	eP	P	13 11 06.3	+0.6
AS01	Alice Springs	28.54 166	eP	P	13 04 13.6	-0.9
WHN	Wuhan	28.71 338	uP	P	13 04 16.6	+0.7
WHN	WHN	28.71 338	uP	P	13 09 02.5	-1.2
WHN	WHN	28.71 338	uP	P	13 04 15.3	-0.6
NJ2	Nanjing	28.71 346	eP	P	13 04 15.3	-0.6
NJ2	Nanjing	28.71 346	eP	P	13 04 16.7	-0.3
KCSI	Kotacane, Aceh	28.80 270	P	P	13 04 19.1	+1.4
UTTA	Utatarad	28.89 300	P	P	13 04 19.9	+0.9
WRKA	Warakurna	29.05 177	P	P	13 04 19.0	-0.5
JNU	Nakatsue	29.11 7	P	P	13 04 19.0	-0.5
JNU	Nakatsue	29.11 7	P	P	13 04 18.4	-1.1
GS1	Gunungsitoli	29.16 265	eP	P	13 04 19.5	-0.6
NANT	Nan	29.23 302	P	P	13 04 23.2	+2.5
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
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GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
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GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
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GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
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GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
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GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P	P	13 09 25.4	-0.1
GYA	Guiyang	29.29 321	P	P	13 10 47.0	+7.1
GYA	Guiyang	29.29 321	P	P	13 04 22.9	+1.6
GYA	Guiyang	29.29 321	P	P	13 04 29.4	-2.4
GYA	Guiyang	29.29 321	P	P	13 05 19.3	+4.3
GYA	Guiyang	29.29 321	P	P	13 09 15.8	+2.6
GYA	Guiyang	29.29 321	P			

24d 12h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NIL, KSH, YAK, KDJ, etc.

2012 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like RDOG, RAYN, SVWZ, ABPO, etc.

1206

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AKASG, KIEV, AK11, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Q45A Warren Harvey, R45A Skylar, S45A Carrier Mills, etc.

Code Station Name Az Az' Phase ID Time Res ISC h m s ISC
WRA Warramunga Arr 25.24 163 Op P 13 13 33.7 -0.7
ASAR Alice Springs 28.68 16 P P 13 14 06.0 +0.6
MKAR Makanchi Array 57.12 325 P P 13 17 54.8 0.0

MEX 24 13:08:06.4,2.4, 4.35N-126.84E, h0km, mb3.3/3,
mb1 3.5/3, mb1mx3.2/4.5, mbtmsp3.3/3, Error ellipse:
s-maj=195.3km s-min=26.0km az=66.0, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZIG Zihuatanejo, CAIG El Cayaco, ARIG Puente Sto Nin, etc.

MEX 24 13:11:49.6:0.7, 16.14N:97.18W, h8km, 11km, MD3.6,
Oaxaca
PNIG Pinotepa 0.94 286 Op P 13 12 05.1 -2.7
VHIG Vista Hermosa 1.02 25 P P 13 12 17.4 -2.6
HUIG Huatulco 1.09 109 Op P 13 12 07.3 -3.4
TLIG Tiapa 1.94 317 Op P 13 12 23.0 0.0

ISCJTB 24 13:29:6.1, 0.20S:4.0'1x176.9W:0.2, h400km,
mb4.2/10, Error ellipse: s-maj=19.9km s-min=13.8km
az=178.5
IDC 24 13:13:29.1:0.0, 20.15S:176.80W, h38km, 67km,
mb3.8/4, mb1 3.8/5, mb1mx3.2/5.0, mbtmsp.5/7, Error
ellipse: s-maj=69.3km s-min=29.3km az=50.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, OZM Mont Dzumac, KNTN Kanton, etc.

MOS 24 13:14:38.2:0.4, 42.50N:41.03E, h5km, MPVA3.7
ISC 24 13:14:40.7:2.8, 42.52N:01:41.12E:0.08, h20km, 9km, n5,
c0568/10, Western Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like D0MR Dombai, ARXR Arkhyz, NEY Neytrino, etc.

WEL 24 13:16:37.1, 38.51S:18.0E', h33km, ML3.7/26, Off east
coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WMGZ Waioamatatini S, MXZ Matakaua Point, PUX Puketiti, etc.

MAN 24 13:30:20.2, 3.81N:127.02E, h51km, mb5.4, ML4.4, MS4.7
IDC 24 13:30:21.2:0.7, 4.09N:126.66E, h0km, mb4.0/9,
mb1 4.2/11, mb1mx3.9/4.1, mbtmsp.1/11, ML4.2, Error
ellipse: s-maj=49.9km s-min=11.3km az=67.1, h36km,
ISCJB 24 13:30:24.1:0.4, 4.28N:106.127.0E:0.1, h36km,
mb4.2/15, Error ellipse: s-maj=17.2km s-min=4.7km
az=152.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MATI Mati, DAV Davao City (W), DAV Davao City (S), etc.

NEIC 24 13:30:26.9:0.9, 4.23N:126.81E, h43km, 8km, mb4.4/11,
Error ellipse: s-maj=21.3km s-min=5.3km az=70.0
ISC 24 13:30:26.9:0.6, 4.22N:107.126.9E:0.1, h36km, n42,
c1444/48, mb4.3/15, 1C, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MATI Mati, DAV Davao City (W), DAV Davao City (S), etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TXAR Lajitas Array, TORI Torodi Arr, TOA1 Torodi Arr, etc.

MOS 24 13:30:50.4:1.3, 42.38N:41.03E, h3km, MPVA3.4
DDA 24 13:30:52.0, 42.20N:40.87E, h7km, ML3.1
ISC 24 13:30:50.4:1.3, 42.38N:0.003:41.03E:0.04, h8km, 12km,
n15, c0676/30, Western Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like D0MR Dombai, D0BC Borcka, ARXR Arkhyz, etc.

IDC 24 14:04:56.9:1.2, 32.46S:72.21W, h0km, mb3.5/2,
mb1 3.7/6, mb1mx3.6/28, mbtmsp3.5/6, ML3.7/4, Error
ellipse: s-maj=42.9km s-min=29.6km az=82.0
SJA 24 14:05:01.9:1.0, 32.53S:72.13W, h72km, 16km, ML3.7,
MM4.0

GUC 24 14:05:02.9:0.5, 32.57S:71.64W, h25km, 5km, ML3.7
ISC 24 14:04:57.8:2.6, 32.60S:0.04:72.04W:0.08, h5km, 15km,
n29, c185/37, 3C-3D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ROCH El Roble, CLCH Cerro Calan, FCH Farellones, etc.

RTLS Leontico 2.46 72 Op P 14 05 42.8 +0.1
RTLS comp=Z,221nm,0.2s IAML 14 05 49.0
RTLS comp=E,4um,0.3s IAML 14 05 29.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ARCO CERRO ARCO, ARCO Taloto Observa, ASAL Salagasta, etc.

ISCJTB 24 14:05:24.2, 4.00N:126.44E, h6km, mb5.4, ML4.4, MS4.6
NEIC 24 14:05:26.1:0.7, 4.17N:126.58E, h37km, 7km, mb4.6/12,
Error ellipse: s-maj=9.2km s-min=4.2km az=71.0
ISC 24 14:05:27.3:0.3, 4.16N:106.126.53E:0.10, h45km, n54,
c151/57, mb4.3/20, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DDMP Don Marcelino, MATI Mati, DAV Davao City (W), etc.

IDC 24 14:05:21.1:0.6, 4.20N:126.67E, h0km, mb4.1/13,
mb1 4.2/15, mb1mx4.0/38, mbtmsp.4/1, MS1.1/1,
Ms1 3.1/1, ms1mx2.5/43, Error ellipse: s-maj=33.5km
s-min=12.4km az=72.0
ISCJTB 24 14:05:24.9:0.3, 4.13N:106.126.65E:0.07, h45km,
mb4.2/20, MS2.9/1, Error ellipse: s-maj=10.4km
s-min=4.5km az=157.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DDMP Don Marcelino, MATI Mati, DAV Davao City (W), etc.

24d 14h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRAB Tennant Creek, WRA Warramunga Arr, etc.

ISC 24 14:14:10.61.1.6, 4.36N-126.85E, h0km, mb3.5/4, mb1 3.8/5, mb1mx3.5/43, mbtmp3.6/5, ML3.5/1, MS3.2/1, Ms1 3.2/1, ms1mx2.5/33, Error ellipse: s-maj=78.9km, s-min=21.5km az=66.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SKMP Bagumbayan, SU 3.10 317 eP, SIJL Sorong, etc.

ISCJCB 24 14:15:59.1±0.3, 32.52N±0.06, 39.99W±0.05, h13km, mb4.5/48, MS3.8/19, Error ellipse: s-maj=8.8km, s-min=5.8km az=175.4

ISC 24 14:15:59.2±0.6, 32.55N±0.39, 94W, h0km, mb4.1/20, mb1 4.2/20, mb1mx4.1/45, mbtmp4.1/20, MS3.8/19, Ms1 3.8/19, ms1mx3.6/43, Error ellipse: s-maj=16.8km, s-min=13.9km az=169.0

NEIC 24 14:16:00.2±0.4, 12.42N±0.48, 139.96W, h10km, mb4.8/29, Error ellipse: s-maj=6.9km, s-min=4.7km az=170.0

ISC 24 14:16:01.0±0.4, 32.55N±0.09, 39.92W±0.07, h13km, n101, s166/92, mb4.6/48, MS3.9/20, 5C-9D, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SAN San Juan, SJO Schefferville, SCHO Schefferville, etc.

2012 DEC

Main table with columns: NOA, LR, Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ULM Lac du Bonnet, CUC Castruccio, H10N3 ASCENSION HYDR69, etc.

2012 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DDDP Don Marcelino, DAV Davao City (W), SKMP Bagumbayan, etc.

ISK 24 14:21:31.4, 42.38N-41.06E, h15km, ML3.4/5, TIF 24 14:21:32.2, 42.37N-40.96E, h21km, 2km, MOS 24 14:21:33.4±0.0, 42.52N-41.07E, h7km, MPVA4.0, AZER 24 14:21:39.8±0.0, 41.94N-40.95E, h5km, m13.2/4, Error ellipse: s-maj=21.7km, s-min=3.9km az=15.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DDMR Dombai, DMR Dombai, DMC Borcka, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Krasnaya Polyta, Agillar, Neytrino, Demirkent, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Mbarara, Babati, Kondoa, Kibaya, Thunduwike, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Keskinn Array B, Florida, Matera, etc.

MAN 24 14:26:34.9, 10.03N, 123.45E, h3km, mb4.4, ML3.2, MS2.9, 1C-1D, Cebu

24x14h

Table of astronomical observations for 24x14h, including columns for object name, coordinates, magnitude, and other parameters.

2012 DEC

Table of astronomical observations for 2012 DEC, including columns for object name, coordinates, magnitude, and other parameters.

1210

Table of astronomical observations for 1210, including columns for object name, coordinates, magnitude, and other parameters.

Table with columns: ARU, Arti, 20.66 342d iP, P, 14 41 00.3 -0.1, 14 41 17.0, 14 44 45.4 -4.1, 14 45 06.7 -3.0. Includes stations like TAWA, AKH, NCK, HYB, NEY, GOF, KIV, SHL, ZIRO, MOKO, BRDH, KNGR, SAIH, RAYN, ANN, MOY, LPSR, ZAK, BRTR, SONM, ULAN, KLMR, PALK, CMAR, AKASG, KIEV, HVC, BOD, FINES, ARCES, GERES, HFS, CLL, NB2, NOA, PSI, FUORN, DAVOX, KLR, KSR, COCO, BILD, BILL, MATP, INK, DBIC, ILAR.

Table with columns: ILAR, Yellowknife Ar, 74.24 16 eP, P, 14 48 00.1 +3.2. Includes stations like YKA, WRA, ASAR, MEX 24 14:37:48.3:42.0,25:16N:99:17W, KRSC 24 14:44:03.8:0.9, KZV, TUMR, KBTR, BZGR, ZLN, BZMR, LGNR, CIRR, KRKR, KLY, KIL, SMKR, BDR, GDF, SRKR, SRDR, SPN, ESO, ESN, NLC, SDR, SMAR, KRX, UGLR, AVH, KOK, DALK, PET, GAN, KRMR, KRMR, RUS, MTRV, HLW 24 14:44:35.9,30:03N:35:56E, IDC 24 14:44:39.0,1.0,29:97N:34:78E, GII 24 14:44:39.8:0.0,29:91N:35:09E, ISCJB 24 14:44:39.7:0.3,29:93N:02:35:03E, JSO 24 14:44:40.0:0.3,30:03N:3:35E, SCS 24 14:44:40.2,29:90N:34:92E, SGS 24 14:44:40.0:0.8,29:91N:02:35:07E, Code Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s, ISC.

Table with columns: MMLI, Mount Malkishu, 2.53 7 Pn, Pn, 14 45 18.7 -2.2, 14 45 52.6 +0.9, 14 45 20.8 -0.1, 14 45 21.5 0.0. Includes stations like OFRI, ASF, ASF, BLGI, HHRG, MMA0B, MMA1B, MMA1, KSDI, NATI, BRTR, IDI, GEYT, AKASG, GERES, ARCES, ARCES, YONK, SIJI, SIJI, FITZ, FITZ, WRA, WRA, ASAR, MKAR, ISCJB 24 14:56:16.6:0.4,6:88S:0:04,125:86E:0:07, IDC 24 14:56:16.8:0.8,6:95S:125:87E, DJA 24 14:56:18.1:0.4,7:5:12:6E, ISC 24 14:56:16.8:0.6,6:94S:102:125:90E, Code Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Manna, Pawerjo, Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Krutoberegovo, Bezmyannaya, Bezmyanniy-We, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KMRSS Kahramanmaras, SAIMS, KAMR, etc.

ISCJB 24 15:04:20.3-0.8, 13.98S;0.06;-166.86E;0.09, h33km, mb3.9/9, MS3.5/2, Error ellipse: s-maj=14.0km

IDC 24 15:04:25.1-3.3, 14.04S;166.82E, h62km;27km, mb3.6/7, mb1.3/9, mb1mx3.7/32, mbtmp4.0/9, ML4.3/2, MS3.2/4, Ms1.3/24, ms1mx2.9/28, Error ellipse: s-maj=27.8km

NEIC 24 15:04:26.4-1.6, 13.93S;166.82E, h73km;12km, mb4.1/4, Error ellipse: s-maj=14.4km s-min=11.8km, az=82.0

ISC 24 15:04:21.9-0.7, 13.89S;0.07;-167.0E;0.1, h35km, n35, c131/38, mb3.9/9, Vanuatu Islands

Main table for 24d 15h section, listing station codes, names, and coordinates for various seismic events.

Main table for 2012 DEC section, listing station codes, names, and coordinates for various seismic events.

IDC 24 15:30:57.9-1.0, 2.25N;125.54E, h0km, mb3.7/7, mb1.3/8.7, mb1mx3.6/43, mbtmp3.5/7, Error ellipse: s-maj=96.6km s-min=15.7km az=69.0, Talud Islands

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

IDC 24 15:33:45.3-4.2, 18.79S;169.25E, h165km;40km, mb3.9/6, mb1.4/0.7, mb1mx3.6/37, mbtmp4.3/7, Error ellipse: s-maj=65.6km s-min=32.3km az=150.0

ISCJB 24 15:33:46.1-0.7, 18.05S;0.09;-169.37E;0.08, h200km, mb4.1/8, Error ellipse: s-maj=13.3km s-min=9.3km az=145.0

NEIC 24 15:33:47.3-1.3, 19.00S;169.38E, h197km;15km, mb4.3/6, Error ellipse: s-maj=16.2km s-min=10.5km az=159.0

ISC 24 15:33:47.6-0.8, 19.1S;0.1;-169.4E;0.1, h200km, n19, c1506/21, mb4.1/8, Vanuatu Islands

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

IDC 24 15:35:11.5-3.3, 7.21S;124.65E, h568km;47km, mb2.4/1, mb1.2/7.5, mb1mx2.5/44, mbtmp3.5/5, Error ellipse: s-maj=152.1km s-min=22.7km az=56.0, Banda Sea

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

GUC 24 15:35:38.7-0.6, 21.26S;68.90W, h121km;29km, ML3.6, 12C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB01, PB02, PB03, etc.

KRSC 24 15:18:48.0-0.9, 54.83N;162.23E, h42km;17km, ML4.4, ISCJB 24 15:18:50.5-0.5, 54.88N;0.02;-162.22E;0.07, h53km;5km, mb3.5/15, Error ellipse: s-maj=7.1km s-min=2.8km az=21.9

MOS 24 15:18:50.2-0.6, 54.89N;162.27E, h48km, mb3.8/8, Error ellipse: s-maj=8.3km s-min=4.7km az=84.3

IDC 24 15:18:53.4-4.1, 55.06N;161.94E, h60km;29km, mb3.3/15, mb1.3/18, mb1mx3.4/51, mbtmp3.6/18, ML3.4/3, Error ellipse: s-maj=18.8km s-min=14.2km az=154.0

ISC 24 15:18:51.2-1.2, 54.88N;0.03;-162.24E;0.05, h42km;12km, n96, c1509/142, mb3.6/15, IC, Near east coast of Kamchatka Peninsula

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

DDA 24 15:25:39.5, 37.83N;-36.64E, h7km, ML2.5, ISK 24 15:25:39.6, 37.83N;-36.72E, h14km, ML2.1/5, ISC 24 15:25:39.5-1.2, 37.86N;0.03;-36.69E;0.03, h5km;12km, n14, c0889/20, Turkey

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

DDA 24 15:25:39.5, 37.83N;-36.64E, h7km, ML2.5, ISK 24 15:25:39.6, 37.83N;-36.72E, h14km, ML2.1/5, ISC 24 15:25:39.5-1.2, 37.86N;0.03;-36.69E;0.03, h5km;12km, n14, c0889/20, Turkey

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GO01, PB11, etc.

IDD 24 16:49:10.0,1.9,10.85N:84.32W,h0km,mb3.9/5,
mb1 4.27,mb1mx3.8/35,mbtm3p.9/7,ML3.4/2,MS3.6/14,
M1 3.6/14,ms1mx3.4/39,Error ellipse: s-maj=39.4km
s-min=10.1km az=124.0

UCR 24 16:49:12.9,1.9,9.97N:85.60W,h4km,4km,MD4.0,ML4.0,
mb4.4(NEIC)

NEIC 24 16:49:17.2,1.1,10.15N:85.36W,h51km,7km,mb4.4/20,
MD4.8(UCR),Error ellipse: s-maj=16.2km s-min=10.2km
az=209.0

NEIC *Felt in Guanacaste*
ISC 24 16:49:13.1,1.1,10.09N:0.05,85.56W,0.04,h15km,6km,
n89,-c145/85,mb4.4/25,MS3.5/13,Costa Rica

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
VCR	Vista de Mar	0.09	296	Op	ISC	16 49 14.0	0.0
NYS	Universidad de	0.56	71	P	Pn	16 49 25.9	+0.6
JTS	JuntasAbangare	0.62	71	Pg	Pb	16 49 26.6	+0.9
JTS	531nm,0.3s,baz=354,slow=23,SNR=443			Lg	Lg	16 49 37.4	
JTS	2um,0.3s,baz=143,slow=20,SNR=51			Pb	Pb	16 49 27.0	+1.3
JTS	JuntasAbangare	0.62	71	eS	Pn	16 49 28.4	+0.3
COLC	Colonia	0.67	30	iP	Pn	16 49 28.4	+0.3
CUI	Cuipilapa	0.68	34	iS	Pn	16 49 40.6	+1.8
GPS3	Bodega del ICE	0.69	15	iP	Pn	16 49 28.8	+0.4
GPS2	Hotel Rincón	0.69	16	iP	Pn	16 49 28.3	-0.1
GUAB	Guayabo de Bag	0.69	27	iP	Pn	16 49 28.0	-0.2
GPS1	Guardacarcas	0.71	16	iP	Pn	16 49 28.0	-0.2
BUEV	Buena Vista	0.72	11	iP	Pn	16 49 28.8	-0.1
MESS	Mesas	0.74	28	eP	Pn	16 49 29.4	+0.3
MESS		0.74	28	iP	Pn	16 49 29.5	+0.3
MESS		0.74	28	iS	Pn	16 49 29.5	+0.3
ACAL	Aguas Claras	0.74	43	eP	Pn	16 49 41.6	+1.4
GB1A	Borinquen Arri	0.74	11	iP	Pn	16 49 29.7	+0.5
AMAS	Alto Masís	0.76	46	iP	Pn	16 49 29.2	-0.2
CASO	Castillo	0.87	67	iP	Pn	16 49 31.7	+0.7
CASO		0.87	67	iS	Pn	16 49 45.0	+1.6
ARE1	Arenal 1	0.90	65	eP	Pn	16 49 31.9	+0.7
FORC	Fortuna	0.94	37	eP	Pn	16 49 33.0	+1.1
SRA1	San Ramn	1.05	90	eP	Pg	16 49 33.5	+0.1
SRA1		1.05	90	eS	Pn	16 49 51.1	+3.2
HDC	Heredia	1.41	93	eP	Pn	16 49 39.4	+0.9
HDC	Heredia	1.41	93	eP	Pn	16 49 39.5	+0.9
CHNC	Concepcion	1.47	357	eP	Pg	16 49 40.6	+0.8
SUS	Escuela Geolog	1.48	96	eP	Pn	16 49 41.0	+1.7
LCR2	La Lucha 2	1.56	103	eP	Pn	16 49 40.7	+0.2
EDDO	Dominical	1.85	116	eP	Pn	16 49 42.0	-2.4
TRT1	Tortuguero	1.89	74	eP	Pn	16 49 46.3	+1.4
ACON	Acopaya	1.91	11	eP	Pb	16 49 47.1	-0.6
ACON		1.91	11	eS	Pg	16 49 47.0	-1.0
MASN	Masaya	1.98	343	eP	Pn	16 49 48.6	+0.3
MGAN	Managua	2.16	342	eP	Pb	16 49 51.5	-0.4
MGAN		2.16	342	eS	Pb	16 50 18.3	-0.3
COPN	Copaltepe	2.32	334	eP	Pn	16 49 53.1	+2.3
BOAB	BOACO BROADBAN	3.35	357	ePn	Pn	16 49 52.0	+0.7
BOAB	BOACO BROADBAN	3.35	357	ePn	Pn	16 49 52.0	+0.7
DRKO	Durika	2.41	110	eP	Pn	16 49 52.4	+0.1
ESPN	Las Esperanzas	2.43	30	ePn	Pn	16 49 53.0	+0.1
ESPN	Las Esperanzas	2.43	30	ePn	Pb	16 49 54.6	-1.9
ESPN		2.43	30	eS	Pg	16 50 31.0	-0.1
ESPN		2.43	30	eS	Pg	16 50 33.7	
MOMM	Motomoto	2.50	337	eP	Pn	16 49 54.6	+1.2
CNGN	Cerro Negro	2.65	335	eP	Pn	16 49 58.4	-2.0
MATN	Matagalpa	2.85	353	eP	Pn	16 50 00.1	+1.9
CRIN	San Cristobal	2.99	331	eP	Pn	16 50 03.4	+3.3
CRIN		2.99	331	eS	Pn	16 51 03.2	
ESTN	Estel	3.10	345	ePn	Pn	16 50 02.4	+0.7
ESTN	Estel	3.10	345	ePn	Pn	16 50 04.8	+3.2
TGUH	Tegucigalpa,Un	4.29	337	ePn	Pn	16 50 21.4	+3.5
TGUH	Tegucigalpa,Un	4.29	337	ePn	Pn	16 50 21.4	+3.5
APG	El Apazole	6.85	316	ePn	Pn	16 50 56.2	+2.8
CMIG	Matias Romero	11.44	309	Pn	Pn	16 52 01.4	+5.4
CMIG	comp=E,0.4nm,0.3s,baz=160,slow=12,SNR=3.6			LR	LR	16 57 02.5	
LNIG	Linares	19.80	320	eP	Pn	16 53 42.5	-0.7
LNIG	comp=E,7.7nm,1.0s			LR	LR	17 00 43.1	
SJG	San Juan	20.42	65	LR	LR	16 54 13.2	+1.1
152A	Waverly Hall	22.49	2	eP	P	16 54 13.2	+1.1
LRAL	Lakeview Retre	22.88	357	eP	Pn	16 54 13.3	-2.9
LRAL	comp=E,32nm,1.7s			LR	LR	16 54 28.8	-0.6
NNA	Nana	23.57	158	LR	LR	16 54 28.8	-0.6
NNA	comp=E,86nm,18.5s,baz=316,slow=34			LR	LR	16 54 28.8	-0.6
HODGE	Hodges	24.22	7	eP	P	16 54 28.8	-0.6
JCT	Junction City	24.25	329	eP	P	16 54 28.5	-1.3
X48A	Hartselle	24.29	357	eP	P	16 54 29.8	-0.3
JSC	Jenkinsville	24.40	9	eP	P	16 54 30.9	-0.1
JSC	comp=E,13nm,1.3s			LR	LR	16 54 32.4	-0.2
OXF	Oxford	24.57	352	eP	P	16 54 32.4	-0.2
OXF	comp=E,24nm,1.0s			LR	LR	16 54 36.1	+0.7
PLG3	Pickwick Lake	24.89	355	eP	P	16 54 36.1	+0.7
PLG3	comp=E,29nm,1.6s			LR	LR	16 54 36.5	+0.8
BA3	Lake Jocassee	24.91	5	eP	P	16 54 36.5	+0.8
W52A	Murphy	24.94	3	eP	P	16 54 36.0	+0.1
W52A	comp=E,18nm,1.2s			LR	LR	16 54 39.5	-0.9
MIAR	Mount Ida	25.43	344	eP	P	16 54 39.5	-0.9
MIAR	comp=E,7.4nm,2.0s			LR	LR	17 05 12.4	
TKL	Tuckaleechee C	25.51	3	LR	LR	16 54 40.3	-1.3
TKL	comp=E,146nm,18.6s,baz=190,slow=39			LR	LR	16 54 40.3	-1.3
4V8A	Smith Brothers	25.56	358	eP	P	16 54 42.1	+0.2
4V8A	comp=E,28nm,1.5s			LR	LR	16 54 42.1	+0.2
TXAR	Lajitas Array	25.57	321	eP	P	16 54 42.4	+0.5
TXAR	comp=E,3.5nm,0.8s,baz=138,slow=10,SNR=26			LR	LR	16 54 41.4	-0.7
TX31	Lajitas Ar. St	25.57	321	eP	P	16 54 42.4	+0.5
V51A	Loudon	25.62	2	eP	P	16 54 41.4	-0.7
V51A	comp=E,14nm,1.1s			LR	LR	16 54 59.3	+0.5
WMOK	Wichita Mounta	27.36	336	eP	P	16 54 59.3	+0.5
PTGA	Pitinga	27.63	11	LR	LR	17 07 14.0	
PTGA	comp=E,150nm,18.3s,baz=291,slow=40			LR	LR	17 08 57.0	
LPAZ	La Paz	31.37	146	LR	LR	16 55 47.3	+0.3
LPAZ	comp=E,168nm,18.3s,baz=318,slow=38			LR	LR	16 55 47.3	+0.3
SDCO	Great Sand Dun	32.88	330	eP	P	16 56 05.3	+0.3
SDCO	comp=E,29nm,1.9s			LR	LR	16 56 05.3	+0.3
PV12	Saucer Basin	35.00	327	eP	P	16 56 05.3	+0.3
PV12	comp=E,8.2nm,1.2s			LR	LR	16 56 05.4	+0.5
PV16	Nyswonger Mesa	35.06	327	eP	P	16 56 05.4	+0.5
PV16	comp=E,19nm,1.8s			LR	LR	16 56 35.0	-2.0
PDAR	Pineda Array	38.73	331	P	P	16 56 35.0	-2.0
PDAR	comp=E,0.4nm,0.7s,baz=111,slow=8.1,SNR=3.7			LR	LR	17 15 02.0	
PDAR		38.73	331	LR	LR	17 15 02.0	
REDW	Red Top Meadow	39.80	331	eP	P	16 56 45.9	0.0
REDW	comp=E,22nm,1.8s			LR	LR	16 56 50.5	+0.6
ELK	Elko	40.46	324	eP	P	16 56 50.5	+0.6
ELK	comp=E,13nm,1.8s			LR	LR	16 56 54.0	+1.4
NV11	Mina Array St	40.61	319	eP	P	16 56 54.0	+1.4
NV11	comp=E,0.4nm,0.8s			LR	LR	16 56 54.8	+1.3
NV01	Mina Array Sit	40.70	319	eP	P	16 56 55.7	+2.1
NV01	comp=E,3.9nm,0.7s,baz=127,slow=7.3,SNR=20			LR	LR	17 16 40.8	
NVAR	Mina Array Bea	40.70	319	eP	P	16 56 55.7	+2.1
NVAR	comp=E,46nm,19.1s,baz=102,slow=40			LR	LR	16 56 56.4	+0.9
KVN	Kaiserville	40.93	320	eP	P	16 56 56.4	+0.9
KVN	comp=E,3.3nm,1.0s			LR	LR	16 57 08.3	
SCHO	Schefferville	47.04	15	LR	LR	16 58 50.6	-2.9
SCHO	comp=E,276nm,18.5s,baz=276,slow=38			LR	LR	17 00 15.7	-1.6
YKA	Yellowknife Ar	56.37	344	P	P	17 00 15.7	-1.6
YKA	comp=E,0.5nm,0.6s,baz=143,slow=6.9,SNR=10			LR	LR	17 23 29.5	
ILAR	Eielson Array	68.92	336	P	P	17 23 29.5	
ILAR	comp=E,0.9nm,0.6s,baz=124,slow=4.3,SNR=17			LR	LR	17 36 53.7	
PPT	Papeete	68.95	247	LR	LR	17 34 36.4	
PPT	comp=E,51nm,21.3s,baz=72,slow=29			LR	LR	17 38 30.1	
SPITS	Spitsbergen Ar	82.63	12	LR	LR	17 38 30.1	
SPITS	comp=E,62nm,18.1s,baz=60,slow=36			LR	LR	17 38 30.1	
NOAR	NORAR Array B	84.52	29	LR	LR	17 38 30.1	
NOAR	comp=E,21nm,21.9s,baz=280,slow=33			LR	LR	17 38 30.1	
FINES	FINESS Array B	91.25	27	LR	LR	17 45 43.0	
FINES	comp=E,52nm,18.4s,baz=285,slow=33			LR	LR	17 45 43.0	
ANOVIA	Anovia	100	51	LR	LR	17 45 43.0	
ANOVIA	comp=E,11nm,20.7s,baz=45,slow=34			LR	LR	17 45 43.0	
ASAR	Alice Springs	140.05	245	PKP	PKP	17 08 41.4	-0.6
ASAR	comp=E,0.3nm,0.8s,baz=101,slow=2.0,SNR=5.1			LR	LR	17 08 41.4	-0.6
WR1	Warramunga Arr	140.34	251	ePKP	ePKP	17 08 42.0	-0.6

WRA Warramunga Arr 140.34 251 PKP 17 08 42.0 -0.6
comp=E,0.5nm,0.9s,baz=83,slow=1.9,SNR=4.0

CMAR Chiang Mai Arr 151.29 351 PKP 17 09 03.9 +2.7
comp=E,0.4nm,0.8s,baz=291,slow=2.5,SNR=8.8

ISCJJB 24 16:57:30.4,1.2,36.63N:0.07:71.5E:0.2,h35km,Error
ellipse: s-maj=19.5km s-min=7.5km az=159.1

NNC 24 16:57:40.0,11.0,37.47N:71.13E,h0km,mb3.8,mpv3.6,
Error ellipse: s-maj=100.7km s-min=65.3km az=176.0

ISC 24 16:57:31.7,1.7,36.6N:0.1:71.4E:0.2,h35km,n11,
c247/13,1C-2D,Afghanistan-Tajikistan border region

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
SFK	Sufi-Kurgan	3.77	26	Op	ISC	16 58 30.8	+3.2
SFK	6.0nm,0.3s			iP	Pn	16 59 09.8	-1.0
KK31	Karatas Array	6.49	355	P	Pn	16 59 07.1	+2.3
KK31	2.1nm,0.2s,baz=186,slow=16,SNR=62			iS	Pn	17 00 12.4	-5.1
KK31	12nm,0.3s,baz=180,slow=23,SNR=26			iS	Pn	17 00 34.0	-0.1
PYUN	Piuthan	13.00	128	eP	Pn	17 00 38.0	0.0
DANN	Dangsing	13.33	125	eP	Pn	17 00 55.4	-2.0
KKN	Kakani	14.71	123	eP	Pn	17 00 55.4	-2.0
KKN	3.6nm,0.4s			iS	Pn	17 00 55.6	-1.9
DMN	Daman	14.71	124	eP	Pn	17 00 59.1	-1.3
PKIN	Pulchoki	14.93	123	eP	Pn	17 00 59.3	-1.3
PKIN	1.8nm,0.3s			iS	Pn	17 01 00.5	-1.5
GUN	Gumba	15.04	121	eP	Pn	17 01 03.2	+0.9
GUN	7.6nm,0.4s			iS	Pn	17 01 04.8	-2.1
AB31	Abulak array	15.11	309	P	Pn	17 01 04.8	-2.1
AB31	0.2nm,0.3s,baz=155,slow=9.9,SNR=12			LR	LR	17 01 04.8	-2.1
JIRN	Jirni	15.41	121	eP	Pn	17 01 04.8	-2.1
JIRN	1.5nm,0.3s			iS	Pn	17 01 04.8	-2.1

ASAR Alice Springs 25.99 163 P P 19 05 11.1 +0.5
MKAR Makanchi Array 59.14 326 P P 19 09 38.3 -0.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MALAHO, OBOCK, TADJOURA, etc.

ARO 24 19:03:05.5, 16'N, 29'4" E, 9'8, h15km, 99km, MI3.8, Red Sea
IDC 24 19:04:56.2, 6.6, 14'05N, 91'87W, h33km, 38km, mb3.5/4,

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

ISCJB 24 19:05:25.9, 0.5, 37'30N, 0'02, 36'28E, 0'02, h3km, 5km,
DDA 24 19:05:25.7, 37'30N, 36'23E, h7km, MI3.5

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

KRSC 24 19:08:48.9, 1.0, 54'80N, 162'26E, h50km, 20km, ML4.3
MOS 24 19:08:50.3, 0.4, 54'83N, 162'24E, h55km, mb4.4/1, Error ellipse: s-maj=8.9km s-min=4.9km az=85.7

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

ISC 24 19:08:49.9, 1.5, 54'84N, 0'03, 162'25E, 0'05, h27km, 11km, n80, e1910/121, mb3.47, Near east coast of Kamchatka Peninsula

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

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

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

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

IDC 24 19:13:48.6, 7.8, 31'18S, 179'97W, h439km, 92km, mb3.0/3,
s-maj=93.3km s-min=30.4km az=9.0

ISC 24 19:13:43.1, 1.9, 30.8S, 0'1, 179.8W, 0'3, h377km, n6, e1537/7, mb3.43, Kermadec Islands region

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

MAN 24 19:28:46.9, 9.57N, 125'11E, h32km, mb4.1, ML2.8, MS2.5, 1C, Mindanao

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

ISCJB 24 19:29:01.2, 0.3, 6'45S, 0'03, 130'20E, 0'03, h146km,
mb4.1/16, Error ellipse: s-maj=4.8km s-min=4.0km az=171.0
DJA 24 19:29:01.5, 0.3, 6' S, 2' 13' 0E, h168km, 7km, M4.5/9,

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

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

ISC 24 19:29:02.3, 0.5, 6.42S, 0'04, 130'17E, 0'05, h146km, n60, 2424/710, mb4.2/16

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

ISC 24 19:29:05.1, 2.2, 37'26N, 0'03, 163'32E, 0'12, h3km, 11km, n77, e076/51, Turkey

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

WEL 24 19:37:50.7, 38' S, 11' 18' 0E, 1' 10, h33km, ML3.5/20, Off east coast of North Island

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Paradox Valley, SDCO, PV12, SRU, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like EANR, ECHA, ECHP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like EPF, JTFP, MTLF, etc.

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WEL, WMGZ, WMMZ, etc.

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ONI, DIGR, KIV, KISLOVODSK, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BRVK, AAK, KURK, DGZ, ULN, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, MKAR, KURBS, ILAR, etc.

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

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

24d 22h

Table with columns for station name, frequency, power, and other technical details. Includes stations like VAM Varnos, KUL Kula, and many others.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like LIT Litokhoron, GEYV SAKARYA Geyve, and many others.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like KIV, KVAR Kislovodsk Arr, KBA Kobuletsper, and many others.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like Sarsar, Ceuta, Jimena Fronter, Mijas, Espera, Malaga-Limoner, Los Guajares, Sarsar, Sierra Gorda, Quesada, Berja, Adamuz, Quesada, El Granado, Vaqueiros, Barranco-do-Ve, Mesjejana, Sao Teotonio, Badajoz, Murta, Mesjejana, Estremoz, Oukameden, Tobarra, Soneca Array, Castelo Branco, Moncorvo, Vila Real, Lamas de Olo, Braganca.

UCR 25 02:02:00.1, 12, 1448N-89.13W, h6km, 5km, MD3.2, ML3.5, 1D, Guatemala

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like La Laguna, Santa Ana, San Andres, La Fuente, Las Brisas, Boqueron, El Retiro, Las Pavas, Serv Nac Est T, San Blas, Cerro Verde, El Faro, San Vicente, Tecapa, Matagalpa.

ISC/JB 25 02:06:02.0, 1.0, 35.11N-0.03W, h1km, 7km, Error ellipse: s-maj=6.2km s-min=4.2km az=150.3

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like Melilla, Alboran, Ceuta, Sarsar, Sierra Gorda, Quesada, Adamuz, Mesjejana, El Granado, Vaqueiros, Barranco-do-Ve, Mesjejana, Estremoz, Oukameden, Tobarra, Soneca Array, Castelo Branco, Moncorvo, Vila Real, Lamas de Olo, Braganca.

IDC 25 02:21:23.8, 5.4, 29.05S-177.88W, h0km, mb3.3/2, mb1 3.5/2, mb1mx3.5/2, mbtmp3.3/2, Error ellipse: s-maj=237.3km s-min=86.0km az=164.0, Kermandec Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like Alice Springs, Warramunga Arr, FINES, Soneca Array.

NEIC 25 02:29:16.6, 0.0, 19.50N-67.93W, h59km, MD3.4(RSPR), After RSPR, RSPR 25 02:29:16.6, 19.50N-67.93W, h59km, 6km, MD3.4/13, 16C-10D, Mona Passage

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like Isla Desecheo, Aguadilla, Las Mesas, Loma Pena Alta, Loma Pena Alta, Esperanza - Ma, Cabo Rojo, Cabo Rojo, Guanica, Bosqu, Cerrillos, Cerrillos, Obispo Ponce, Obispo Ponce, Obispo Ponce.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like San Juan, Canovanas, Monte Pirata, Culebra, Puerto, Presa de Saban.

NORS 25 02:34:58.7, 0.0, 42.46N-43.44E, h13km, MPVA2.9, DDA 25 02:35:01.6, 42.01N-43.82E, h7km, MI2.3, ISC 25 02:34:59.2, 1.1, 42.50N-0.03W, h9km, 8km, n14, c0579/28, Western Caucasus

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like Oni, Tsey, Digorskoje uzhe, Lac, Gudauri, Kora, Lesken, Neytrino, Posof, Shidzhatmaz, Artvin, Borcka, Agillar, Bademkaya.

AZER 25 02:04:06.5, 0.1, 38.11N-46.64E, h45km, ml3.6/26, Error ellipse: s-maj=1.7km s-min=0.5km az=17.0, TEH 25 02:04:07.7, 38.42N-46.87E, h6km, ML3.0, ISC 25 02:04:08.0, 1.1, 38.44N-0.03W, h6km, 10km, n49, c152/70, 21C-20D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like Tabriz, Bostanabad, Ordubad, Germi, Shabestar, Lerik, Nakhchivan, Shahbuz, Cillabab, Astar, Lenkeran, Brd, Maku, Zardab, Heyderabad, Kermir, Hakkari, Ganja.

ZANJAN 25 02:14:07.0, 36.11N-48.11E, h13km, MD3.2, ML3.5, 1D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like Zanj, Mingchevir, A, Caldiran, Caldiran, GEDABAY, Tasburun-IGDIR, Ismayilli, GDB, Qobustan, Pirkuli, Van, Sheki, Cukurca, Cukurca, Gazax, Azerbaijan, Khinaliq, Atiaghaj, Akdamar-Van, Siyaz, Quba, Azerbaj, Zakatala, ZKTA, Qusar, Qusar, Akayaka, Malazgirt-MUS, Kohzaman, Akbarm-Gazvin, Akbarm-Gazvin.

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

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like 002D, 003E, HLID, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like P17A, TCRU, DAC, etc.

25d 3h

GLA	Glamis	35.28	129	P	P	03 50 23.1 +0.4
KSCO	Kaye Sheddock	35.32	109	eP	P	03 50 24.4 +1.2
KSCO	Kaye Sheddock	35.32	109	P	P	03 50 24.4 +0.2
X16A	Lo Mia Camp, P	35.39	123	eP	P	03 50 25.4 +1.5
W18A	Petrified Fore	35.48	121	eP	P	03 50 25.3 +0.7
W18A	Petrified Fore	35.48	121	P	P	03 50 25.0 +0.4
BGNE	Belgrade	35.49	101	eP	P	03 50 25.2 +0.7
BGNE	Belgrade	35.49	101	P	P	03 50 24.0 -0.5
F39A	Loretta	35.55	90	P	P	03 50 24.9 -0.1
H38A	Maiden Rock	35.80	92	P	P	03 50 27.9 +0.8
113A	Mohawk Valley	35.93	128	eP	P	03 50 29.2 +1.0
T25A	Trinidad	36.05	112	eP	P	03 50 30.6 +1.0
T25A	Trinidad	36.05	112	P	P	03 50 29.5 -0.1
E41A	Kenton	36.09	87	P	P	03 50 30.0 +0.4
H39A	Augusta	36.28	91	P	P	03 50 31.1 -0.1
G40A	Rib Lake	36.37	90	eP	P	03 50 32.2 +0.3
G40A	Rib Lake	36.37	90	P	P	03 50 32.0 +0.1
H40A	Chili	36.75	91	P	P	03 50 35.4 +0.2
CBKS	Cedar Bluff	36.80	106	eP	P	03 50 36.8 +1.0
CBKS	Cedar Bluff	36.80	106	eP	P	03 50 36.8 +1.0
CBKS	Cedar Bluff	36.80	106	P	P	03 50 36.3 +0.5
ANMO	Albuquerque	37.01	117	P	P	03 50 38.2 +0.6
ANMO	Albuquerque	37.01	117	eP	P	03 50 38.2 +0.6
ANMO	Albuquerque	37.01	117	eP	P	03 50 38.3 +0.6
ANMO	Albuquerque	37.01	117	eP	P	03 50 37.9 +0.3
214A	Organ Pipe Nat	37.02	127	P	P	03 50 36.3 -1.3
J39A	Decorah	37.08	93	P	P	03 50 37.8 -0.3
E43A	Lone Tree Farm	37.10	86	P	P	03 50 37.9 -0.2
H41A	Junction City	37.11	90	P	P	03 50 38.0 -0.2
LAZ	Ladron	37.18	118	eP	P	03 50 39.9 +0.8
H40A	Norwalk	37.19	92	P	P	03 50 38.8 -0.1
G42A	Mountain	37.24	88	P	P	03 50 39.4 +0.1
I41A	Arkdale	37.42	91	P	P	03 50 40.6 -0.2
LENM	Lemitar	37.45	118	eP	P	03 50 42.9 +1.4
K39A	Delwein	37.47	94	P	P	03 50 40.8 -0.6
TUC	Tucson	37.50	124	eP	P	03 50 41.9 +0.2
TUC	Tucson	37.50	124	eP	P	03 50 41.9 +0.2
TUC	Tucson	37.50	124	P	P	03 50 41.3 -0.5
J40A	Soldiers Grove	37.50	92	P	P	03 50 41.6 0.0
K40A	Colesburg	37.84	93	P	P	03 50 44.3 -0.1
SUMG	Summit	37.85	28	iP	P	03 50 45.7 +1.0
SUMG	Summit	37.85	28	iP	P	03 50 45.7 +1.0
L39A	Vinton	37.86	95	P	P	03 50 44.2 -0.4
J41A	Loganville	37.87	92	P	P	03 50 44.4 -0.3
KSU1	Kansas State U	38.03	102	eP	P	03 50 46.0 -0.1
KSU1	Kansas State U	38.03	102	P	P	03 50 46.1 -0.1
JFWS	Jewell Farm	38.10	92	P	P	03 50 46.1 -0.6
D46A	Sault Ste Mari	38.14	83	P	P	03 50 46.6 -0.4
M39A	Webster	38.27	96	P	P	03 50 48.0 -0.1
L40A	Anamosa	38.28	94	P	P	03 50 47.6 -0.6
K41A	Shullsburg	38.30	93	P	P	03 50 48.2 -0.1
DAG	Danmarks Havn	38.33	17	iP	P	03 50 48.2 0.0
DAG	Danmarks Havn	38.33	17	iP	P	03 50 48.2 0.0
J42A	Columbus	38.34	91	P	P	03 50 48.2 -0.4
E46A	Sault Ste Mari	38.39	83	P	P	03 50 49.0 -0.1
D47A	Chapleau	38.47	82	P	P	03 50 49.5 -0.2
121A	Cookes Peak, D	38.52	120	P	P	03 50 51.2 +0.7
L41A	Preston	38.62	93	P	P	03 50 50.9 -0.1
J43A	Natural Harves	38.63	90	P	P	03 50 50.7 -0.4
K42A	Prairie Point,	38.63	92	P	P	03 50 50.9 -0.3
M40A	Post Highland	38.65	95	P	P	03 50 50.2 -1.0
D48A	Paudash Townsh	39.00	81	P	P	03 50 53.8 -0.4
N40A	Mertquake, Sal	39.02	96	P	P	03 50 53.6 -0.7
L42A	Oliver, Polo	39.07	93	P	P	03 50 54.7 -0.1
U32A	Winter Ranch,	39.12	107	eP	P	03 50 56.0 +0.7
M41A	Milan	39.13	94	P	P	03 50 54.7 -0.6
D49A	Beulah Townshi	39.14	80	P	P	03 50 55.1 -0.2
AMTX	Amarillo	39.15	111	eP	P	03 50 57.7 +2.1
AMTX	Amarillo	39.15	111	P	P	03 50 55.8 +0.2
GLMI	Grayling	39.37	85	P	P	03 50 57.2 -0.1
MSTX	Muleshoe	39.44	113	eP	P	03 50 58.9 +0.8
MSTX	Muleshoe	39.44	113	P	P	03 50 58.3 +0.2
N41A	Harden Midland	39.50	95	P	P	03 50 58.5 +0.2
N42A	Yates City	39.80	94	P	P	03 50 59.4 -1.5
O41A	Passleys Farm,	39.95	96	P	P	03 51 01.4 -0.7
I47A	Gladwin	40.02	86	P	P	03 51 02.6 -0.1
P41A	Barry, Barry	40.21	96	P	P	03 51 03.2 -1.0
MNTX	Cornudas Mount	40.25	118	eP	P	03 51 05.8 +1.0
MNTX	Cornudas Mount	40.25	118	P	P	03 51 05.4 +0.6
SPA0	Spitsbergen Ar	40.25	5	eP	P	03 51 04.1 -0.1
SPITS	Spitsbergen Ar	40.25	5	P	P	03 51 04.1 -0.1
HSIG	Hopedale	40.35	127	eP	P	03 51 06.5 +0.9
HDIL	Hopedale	40.37	94	P	P	03 51 04.7 -0.9

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K46A	Dorr	40.42	89	P	P	03 51 05.3 -0.6
O43A	Sugar Creek Fa	40.57	94	P	P	03 51 06.3 -0.9
WMOK	Wichita Mounta	40.58	108	eP	P	03 51 07.5 +0.1
WMOK	Wichita Mounta	40.58	108	eP	P	03 51 07.5 +0.1
P42A	Winchester	40.62	96	P	P	03 51 06.8 -0.9
Q41A	Truxton	40.70	97	P	P	03 51 08.1 -0.1
D52A	ZEK Kipawa Sen	40.74	78	P	P	03 51 07.8 -0.8
TUL1	Leonard	40.99	104	eP	P	03 51 10.8 0.0
TUL1	Leonard	40.99	104	P	P	03 51 10.4 -0.4
N45A	Leonard	40.99	92	P	P	03 51 10.4 -0.4
D53A	Lac Vacive, Po	41.00	78	P	P	03 51 10.4 -0.4
Q42A	Golden Eagle	41.06	97	P	P	03 51 11.3 0.0
O44A	Mansfield	41.08	93	P	P	03 51 10.4 -1.0
K48A	Perry	41.13	87	P	P	03 51 11.8 0.0
R41A	Rosebud	41.15	98	P	P	03 51 10.8 -1.2
J49A	Marlette	41.17	86	P	P	03 51 11.6 -0.6
N46A	Monticello	41.33	91	P	P	03 51 13.2 -0.3
O45A	Potomac	41.36	93	P	P	03 51 13.0 -0.7
CCM	Cathedral Cave	41.40	98	P	P	03 51 12.8 -1.4
Q43A	New Douglas	41.44	96	P	P	03 51 14.0 -0.4
R42A	Luebering	41.44	97	P	P	03 51 13.7 -0.8
D54A	Lac Fusel, La	41.44	77	P	P	03 51 13.7 -0.7
K49A	Clarkson	41.46	86	P	P	03 51 14.1 -0.4
E53A	Dumoine, Ponti	41.53	78	P	P	03 51 14.7 -0.4
S41A	Jilco Farms,	41.54	99	P	P	03 51 14.3 -0.9
P44A	Sand Creek, Wi	41.54	94	P	P	03 51 14.6 -0.6
HHAR	Hobbs	41.55	102	eP	P	03 51 14.3 -1.1
SFIN	Lafayette	41.56	92	P	P	03 51 14.8 -0.6
L48A	N Adams	41.63	88	P	P	03 51 16.0 0.0
E54A	Lac Daplat, Po	41.72	78	P	P	03 51 16.1 -0.5
AAM	Ann Arbor	41.73	87	P	P	03 51 16.3 -0.4
H52A	Wyevale	41.77	82	P	P	03 51 16.8 -0.2
Q44A	Meyer Farm, Va	41.79	95	P	P	03 51 16.7 -0.6
L49A	Milan	41.82	87	P	P	03 51 17.1 -0.4
N47A	Urbana	41.84	90	P	P	03 51 16.8 -0.9
S42A	Caledonia	41.84	98	P	P	03 51 16.5 -1.2
R43A	Red Bud	41.85	97	P	P	03 51 17.1 -0.7
I51A	Listowel	41.85	83	P	P	03 51 17.8 0.0
ABTX	Abilene, Hawle	41.96	111	eP	P	03 51 19.1 +0.3
ABTX	Abilene, Hawle	41.96	111	P	P	03 51 18.4 -0.4
T41A	Mountain View	41.97	99	P	P	03 51 17.8 -0.9
U40A	Yellville	42.01	101	P	P	03 51 17.9 -1.2
I52A	Shelburne	42.06	83	P	P	03 51 19.6 +0.2
P46A	Rosedale	42.10	93	P	P	03 51 19.1 -0.7
O47A	Sheridan	42.11	91	P	P	03 51 18.7 -1.2
N48A	Decatur	42.18	90	P	P	03 51 19.3 -1.1
M49A	Liberty Center	42.21	88	P	P	03 51 20.5 -0.2
Q45A	Warren Harvey,	42.21	94	P	P	03 51 20.1 -0.6
X37A	Clayton	42.27	105	eP	P	03 51 21.3 0.0
T42A	Van Buren	42.30	99	eP	P	03 51 20.3 -1.1
T42A	Van Buren	42.30	99	eP	P	03 51 20.3 -1.1
S43A	Fulton Ridge,	42.34	97	P	P	03 51 21.2 -0.7
U41A	Viola	42.46	100	P	P	03 51 21.3 -1.5
Q46A	CEJHS Indians,	42.49	93	P	P	03 51 22.3 -0.6
W39A	Magazine	42.51	103	eP	P	03 51 22.7 -0.6
W39A	Magazine	42.51	103	P	P	03 51 22.3 -0.9
N49A	Columbus Grove	42.54	89	P	P	03 51 23.1 -0.3
O48A	Farmland	42.58	90	P	P	03 51 22.6 -1.2
R45A	Skyler, Fairir	42.63	95	P	P	03 51 23.5 -0.6
T43A	Greenville	42.63	98	P	P	03 51 23.2 -1.0
S44A	Cardonate	42.64	96	P	P	03 51 23.6 -0.6
SIUC	Southern Illin	42.64	96	eP	P	03 51 23.9 -0.3
P47A	Martinsville	42.65	92	P	P	03 51 23.6 -0.7
U42A	Reviden	42.77	99	P	P	03 51 24.3 -1.0
K52A	Tillsonburg	42.77	84	P	P	03 51 24.9 -0.4
V41A	Mountainview	42.80	101	P	P	03 51 24.6 -0.9
G55A	Calabogie	42.81	79	P	P	03 51 25.3 -0.2
PBMO	Poplar Bluff	42.81	98	eP	P	03 51 25.0 -0.6
T44A	Benton	42.97	97	P	P	03 51 25.7 -1.2
S45A	Carrier Mills	42.97	96	P	P	03 51 26.2 -0.7
Q47A	Bedord North L	43.01	93	P	P	03 51 26.6 -0.6
LTX	Lajitas	43.03	118	eP	P	03 51 28.1 +0.5
TXS1	Lajitas Ar. Si	43.03	118	eP	P	03 51 28.1 +0.6
TXAR	Lajitas Array	43.03	118	P	P	03 51 28.1 +0.5
O49A	Covington	43.03	90	P	P	03 51 26.7 -0.7
P48A	Milroy	43.08	91	P	P	03 51 26.3 -1.5
V42A	Cord	43.14	100	P	P	03 51 26.8 -1.5
MIAR	Mount Ida	43.14	103	eP	P	03 51 27.8 -0.6
MIAR	Mount Ida	43.14	103	eP	P	03 51 27.8 -0.6
MIAR	Mount Ida	43.14	103	P	P	03 51 27.6 -0.7
N50A	Nevada	43.15	88	P	P	03 51 27.7 -0.6
U43A	Rector	43.15	99	P	P	03 51 27.7 -0.7

PARMO	Parma	43.23	98	eP	P	03 51 28.4 -0.5
W41B	Gary Mavity, V	43.25	101	P	P	03 51 28.5 -0.7
Q48A	North Vernern	43.35	92	P	P	03 51 28.9 -1.0
S46A	Don Dixon Farm	43.38	95	P	P	03 51 29.6 -0.6
N51A	Ashland	43.41	87	P	P	03 51 30.1 -0.3
O50A	Cable	43.41	89	P	P	03 51 29.9 -0.6
WHTX	Lake Whitney	43.48	109	eP	P	03 51 31.2 +0.1
WHTX	Lake Whitney,	43.48	109	P	P	03 51 30.8 -0.3
H56A	Elgin	43.52	79	P	P	03 51 30.9 -0.3
UALR	University of	43.53	102	eP	P	03 51 30.7 -0.8
ERPA	Erie	43.63	84	P	P	03 51 32.0 -0.1
WCI	Wyandotte Cave	43.63	93	P	P	03 51 31.9 -0.3
ACSO	Alum Creek Sta	43.65	89	P	P	03 51 32.5 +0.2
JCT	Junction City	43.72	113	eP	P	03 51 33.2 +0.1
JCT	Junction City	43.72	113	eP	P	03 51 33.2 +0.1
JCT	Junction City	43.72	113	P	P	03 51 32.8 -0.3
P50A	Jamestown	43.74	90	P	P	03 51 32.5 -0.6

Table with 10 columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and various status indicators. The table lists numerous radio stations and their operational parameters.

Obninsk, GS RAS, 22p4 + CD-ROM, 2014)
IDC 25 06:07:36.7, 4.5, 83.84N-90.96E, h0km, mb1 2.7/2,
mb1mx2.7/4.5, mbtmp2.7/2, ML2.6/2, Error ellipse:
s-maj=81.3km s-min=30.4km az=38.0, Southwestern
Siberia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like ZALV, KURBB, MKAR, IS4MN, SOGINO, etc.

IDC 25 06:17:43.6, 2.1, 8.89S-123.82E, h0km, mb3.5/1,
mb1 3.9/3, mb1mx3.5/2.1, mbtmp3.7/3, ML3.7/2, Error
ellipse: s-maj=221.5km s-min=32.3km az=56.0
ISCJB 25 06:17:52.8, 1.1, 8.73S-0.08x124.41E, 0.09, h100km,
mb3.4/1, Error ellipse: s-maj=14.4km s-min=9.9km
az=140.8
DJA 25 06:17:56.5, 1.7, 9.8S-12.4E, 1.2, h99km, M3.8/6,
mb4.1/1, MLV3.6/6

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like SOEI, BATTI, MMRI, EDFI, etc.

ISCJB 25 07:03:02.0, 2.5, 34.5N-0.1x136.06E, 0.10, h400km,
mb3.0/2, Error ellipse: s-maj=14.4km s-min=10.5km
az=159.4
JMA 25 07:03:02.2, 3.4, 56N-135.92E, h399km, M2.8
IDC 25 07:03:04.4, 3.3, 34.57N-136.33E, h402km, 102km,
mb2.8/2, mb1 3.0/4, mb1mx2.6/4.3, mbtmp3.5/4, Error
ellipse: s-maj=234.2km s-min=38.9km az=65.0
ISC 25 07:03:03.1, 1.1, 34.5N-0.1x136.01E, 0.09, h400km, n16,
r1117/10, Western Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like JWY, JIE, JWT, etc.

DRHO 25 07:17:59.8, 16.1N-42.4E, 2.10, h15km, 99km, M4.6
DHMR 25 07:18:19.6, 0.9, 14.72N-41.84E, h7km, 10km, ML4.1
ISCJB 25 07:18:21.0, 0.5, 14.61N-0.04x147.3E, 0.05, h9km,
mb3.7/9, MS2.6/1, Error ellipse: s-maj=6.6km s-min=6.1km
az=36.3
IDC 25 07:18:22.5, 1.0, 14.69N-41.80E, h0km, mb3.8/9,
mb1 3.9/10, mb1mx3.7/4.2, mbtmp3.8/10, ML3.9/1, MS2.9/2,
Ms1 2.9/2, ms1mx2.5/2, Error ellipse: s-maj=25.8km
s-min=16.5km az=76.0
ISC 25 07:18:23.5, 0.7, 14.71N-0.05x147.8E, 0.07, h9km, n24,
r221/29, mb3.8/9, Ethiopia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like HAJJ, DHBB, etc.

MOS 25 07:34:38.2, 1.0, 1.16N-125.32E, h37km, mb5.5/4,
MS4.0/5, Error ellipse: s-maj=8.1km s-min=4.4km
az=111.5
BUJ 25 07:34:40.6, 1.1, 110N-125.50E, h62km, mb5.1/61, mb5.3/41,
MS4.7/37, MS7.4/40
IDC 25 07:34:41.6, 0.6, 1.10N-125.37E, h54km, 4km, mb4.9/29,
mb1 4.9/32, mb1mx4.9/35, mbtmp5.1/32, MS4.0/25,
Ms1 4.0/25, ms1mx3.9/29, Error ellipse: s-maj=13.7km
s-min=9.0km az=69.0

NEIC 25 07:34:41.2, 0.4, 1.11N-125.46E, h52km, 3km, mb5.4/128,
Error ellipse: s-maj=3.0km s-min=2.3km az=63.0
NEIC Fell III at Bitung and Manado, Indonesia.
ISCJB 25 07:34:44.2, 0.3, 1.09N-0.02x125.52E, 0.02, h95km, 3km,
mb5.2/191, Error ellipse: s-maj=3.3km s-min=2.7km
az=164.7
GCMT 25 07:34:44.2, 0.1, 1.02N-0.01x125.61E, 0.01, h67km, 1km,
MV5.2/117, Moment Tensor Solution. s94, c142,
s117, c191; Duration: 1s0 Moment tensor: Scale 1017
Nm; Mn:0.74; 0.2; Mm:0.16; 0.1; Mm:0.58; 0.2;
Mm:0.10; 0.1; Mm:0.42; 0.1; Mm:0.43; 0.1; Best double
couple: M0.9080000, 0.017, NP.1b=22.00000, 0.60, 0.00000,
1.79, 0.00000; NP2b=22.00000, 0.832, 0.00000; 1.108, 0.00000.
Principal axes: T: 0.8690, Plg73.0000, Azm265.0000;
N: 0.0740, Plg9.0000; Azm27.0000; P: -0.9430,
Plg14.0000; Azm119.0000; nst1 refers to body waves,
cutoff=40s. nst2 refers to surface waves, cutoff=50s.
Triangular moment-rate function
DJA 25 07:34:45.1, 0.2, 1.2N-2.7E, h85km, 2km, M5.1/73,
mb5.6/38, mb5.3/73, MLV5.7/16, Mw(m)5.0/38
KLM 25 07:34:46.0, 1.01N, 125.69E, h94km, mb5.3
ISC 25 07:34:42.3, 0.4, 1.10N-0.03x125.52E, 0.04, h62km, 2km,
h62km, pp-P, n845, r1940/896, mb5.4/200, 37C-24D,

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like KMSI, TMTI, SANI, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like WRA, WRA, WRA, etc.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Q52A Bidwell, R47A Wooly Knot Far, Q55A Buckhannon, etc.

NEIC 25 08:47:33.0 ± 0.1, 2.6° 47'S; 177.62° W, h122km, 10km, mb4.2/12, Error ellipse: s-maj=1.2km s-min=7.0km

IDC 25 08:47:39.5 ± 2.2, 26° 41'S; 177.70° W, h176km, 23km, mb3.8/10, mb1.4/11, mb1mx3.9/7, mbtmp4.3/11, Error ellipse: s-maj=28.5km s-min=19.2km az=4.0

ISC 25 08:47:34.9 ± 0.5, 26.71° S; 007.177° W, h150km, n47, r194/55, mb4.1/21, South of Fiji Islands

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

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NB2 NORSAR Subarray 145, 19 353, NOA NORSAR Array B 145, 19 353, HFS Hagfors, etc.

ISCJB 25 09:02:55.0 ± 0.4, 50° 19'N; 0° 02' 18.92'E; 0.03, h0km, Error ellipse: s-maj=3.2km s-min=2.5km az=3.9

PRU 25 09:02:55.6 ± 0.0, 50° 20'N; 0° 02' 19.01'E, h0km, Error ellipse: s-maj=2.0km s-min=8.0km az=167.0 23

ISC 25 09:02:56.1 ± 0.8, 50° 16'N; 0° 02' 18.99'E; 0.02, h0km, n30, r088/59, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHZP Chorowz, CHZP Chorowz, OJC Ojcow, etc.

IDC 25 09:09:15.7 ± 2.4, 6.01° S; 129° 18'E, h0km, mb3.7/1, mb1.3/7, mb1mx3.5/25, mbtmp3.5/3, ML3.6/2, Error ellipse: s-maj=170.1km s-min=31.8km az=68.0, Banda Sea

WRA Warramunga Arr 14.73 161 Pn Pn 09 12 44.2 -1.3

ASAR Ale Springs 18.13 166 P P 09 13 29.8 +0.1

MKAR Makanchi Array 66.96 327 P P 09 20 10.2 0.0

NNC 25 09:12:09.1 ± 9.5, 53° 48'N; 87° 53'E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=15.9km s-min=8.0km az=66.0, Suspected Mining explosion.

KRAR 25 09:12:08.0 ± 0.1, 53° 67'N; 87° 98'E, M2.4, 11C-2D, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, Z24p + CD-ROM, 2014).

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZAAO Zalesovo Array, ZAAO Zalesovo Array, KURK Kurchatov, etc.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MAKZ 2.2nm, 1.1s, MAKZ 1.3nm, 0.7s, etc.

NORS 25 09:17:54.8 ± 0.0, 43° 26'N; 43° 52'E, h24km, MPVA3.5, Western Caucasus

JMA 25 09:32:21.0 ± 0.1, 24° 94'N; 121° 91'E, h52km, M2.5, TAP 25 09:32:21.1 ± 0.0, 24° 80'N; 122° 01'E, h13km, ML3.1, B

ISC 25 09:32:21.3 ± 1.0, 24° 78'N; 0° 02' 122.06'E; 0.02, h7km, gkm, n57, r056/90, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NTC Toucheng, NTC Toucheng, TWB1 Santiao Chiao, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WVDT, TYC, YULB, IRIF, TW1, CHNS, CHNS, JKRS, JIJ, CHN4, CHN4, TPUB, TPUB, WTP, TWK, TWK, CHN1, CHN1, SLGT, SLGT, YWUC, YWUC.

ISCJB 25 09:34:30.0-0.8, 38.58N-0.04-28.63E, 0.07, h0km, Error ellipse: s-maj=8.8km s-min=4.6km az=36.4

DDA 25 09:34:30.1, 38.59N-28.62E, h7km, M12.6, Suspected Mining explosion.

ISC 25 09:34:29.7-1.0, 38.61N-0.06-28.68E, 0.06, h0km, n8, c#03/11, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KULA, KULA, MANT, DEMI, GDZ, GDZ, AYDB, AYDB, TAVA, TAVA, KZIL, KZIL, MLSE, MLSE.

TIF 25 09:37:26.8, 42.41N-0.95E, h31km, 5km

MOS 25 09:37:28.0-0.0, 42.52N-41.11E, h5km, MPVA3.2

DDA 25 09:37:46.9, 41.33N-41.67E, h6km, M12.2, Suspected Mining explosion.

ISC 25 09:37:25.9-1.3, 42.38N-0.03-41.09E, 0.04, h5km, 14km, n17, c#042/21, Western Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BATM, BATM, BCOA, BCOA, ARXK, ARXK, CHOM, CHOM, ARTV, ARTV, DBAD, DBAD, DAGI, DAGI, RPOR, RPOR, NEY, NEY, DDEM, DDEM, SOC, SOC, ONI, ONI, SH1, SH1, BAYT, BAYT, ESPY, ESPY.

ISCJB 25 09:37:30.0-0.5, 34.27N-0.10-135.89E, 0.10, h381km, mb3.0/6, Error ellipse: s-maj=13.2km s-min=10.7km az=165.8

IDC 25 09:37:30.0-1.4, 34.15N-135.96E, h379km, 17km, mb2.9/6, mb1.3/0.9, mb1mx2.8/46, mbtp3.6/9, Error ellipse: s-maj=21.0km s-min=15.4km az=86.0

JMA 25 09:37:30.6-0.2, 34.33N-135.87E, h381km, 2km, M2.7

ISC 25 09:37:30.6-0.8, 34.24N-0.10-135.90E, 0.09, h381km, n22, c#061/24, mb3.0/6, Near south coast of western Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JWY, JTNC, JIE, JIE, JWT, JWT, JAI, JAI, JYTA, JYTA, JYJN, JYJN, JOD2, JOD2, JTO, JTO, MAT, MAT, MJAR, MJAR, USRK, USRK, PETK, PETK, SONM, SONM, MKAR, MKAR, WRA, WRA, ILAR, ILAR, ASAR, ASAR.

MOS 25 09:41:20.3-0.0, 42.55N-41.17E, h1km, 2km, MPVA2.8

DDA 25 09:41:37.5, 41.34N-41.67E, h8km, M11.8, Suspected Mining explosion.

ISC 25 09:41:17.6-2.1, 42.37N-0.05-41.2E, 0.1, h8km, 13km, n11, c#073/17, Western Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BATM, BATM, BCA, BCA, BDOC, BDOC, ARTV, ARTV, DBAD, DBAD, DAGI, DAGI.

Table with columns: NEY, NEY, ONI, ONI, SHA1, SHA1, DIGR, DIGR, ZEI, ZEI. Includes station names and coordinates.

NNC 25 10:02:40.5-2.1, 47.00N-85.58E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=22.8km s-min=12.5km az=156.0

SOME 25 10:02:36.9, 47.73N-84.95E, h0km, 5C-3D, Kazakhan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZSN, ZSN, MK31, MK31, MAKZ, MAKZ, MAKZ, MAKZ, KAPS, KAPS, KURBB, KURBB, KURK, KURK, KURK, KURK.

MEX 25 10:16:12.0-0.7, 16.21N-97.93W, h2km, MD3.8, Oaxaca

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNIG, PNIG, VHO, VHO, VHO, VHO, OXBJ, OXBJ, TLIG, TLIG, HUIG, HUIG, CAIG, CAIG, CAIG, CAIG.

ISK 25 10:18:22.0, 37.90N-38.97E, h20km, M2.0/4

ISCJB 25 10:18:23.8-1.1, 37.85N-0.06-39.12E, 0.07, h4km, 9km, Error ellipse: s-maj=12.4km s-min=6.9km az=138.3

DDA 25 10:18:29.0, 38.01N-39.59E, h81km, M12.8

ISC 25 10:18:24.0-1.4, 37.82N-0.05-39.14E, 0.05, h3km, 14km, n8, c#09/12, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like URFA, URFA, DIVA, DIVA, DIVA, DIVA, MAZI, MAZI, MAZI, MAZI, HANI, HANI, TNCL, TNCL, MARD, MARD, DARE, DARE.

IDC 25 10:21:51.0-1.6, 10.17N-126.50E, h0km, mb3.5/4, mb1.3/6.4, mb1mx3.4/32, mbtp3.5/4, Error ellipse: s-maj=66.0km s-min=23.2km az=73.0

ISCJB 25 10:21:53.0-1.9, 9.66N-0.03-125.48E, 0.06, h10km, 14km, mb3.4/4, Error ellipse: s-maj=10.0km s-min=5.2km az=168.1

MAN 25 10:21:53.8, 9.65N-125.38E, h7km, mb4.5, ML3.4, MS3.3

ISC 25 10:21:53.8-1.4, 9.69N-0.04-125.39E, 0.06, h10km, 10km, n16, c#1966/25, mb3.3/4, 1C-3D, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSLP, MSLP, BUTP, BUTP, CGP, CGP, PLP, PLP, LLL, LLL, OCLP, OCLP, BUKP, BUKP, DCPH, DCPH, DAV, DAV, DAV, DAV.

IDC 25 10:23:32.0-0.9, 0.50S: 125.38E, h0km, mb4.1/9, mb1.4/2.9, mb1mx4.0/30, mbtp4.2/9, MS2.9/2, Ms1.3/0.2, ms1mx2.6/25, Error ellipse: s-maj=55.5km s-min=16.2km az=74.0

ISC 25 10:23:32.0-0.4, 0.45S: 0.04-125.54E, 0.07, h35km, mb4.2/19, MS2.8/2, Error ellipse: s-maj=9.4km s-min=6.2km az=174.6

NEIC 25 10:23:38.0-0.3, 0.47S: 125.56E, h35km, mb4.2/10, Error ellipse: s-maj=11.7km s-min=5.5km az=74.0

DJA 25 10:23:38.4-0.4, 0.5S: 121.6E, h10km, M4.0/7, mb4.2/1, MLV3.9/7

ISC 25 10:23:38.5-0.6, 0.47S: 0.06-125.70E, 0.06, h35km, n35, c#131/33, mb4.2/19, Southern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SANI, SANI, KMSI, KMSI, TMTI, TMTI, TMTI, TMTI, LUWI, LUWI, MRSI, MRSI, APSI, APSI, WRAB, WRAB, WR1, WR1, WRA, WRA.

Table with columns: WRA, WRA, WB2, WB2, MBWA, MBWA, COEN, COEN, YULB, YULB, TPUB, TPUB, AS31, AS31, ASAR, ASAR, ASO1, ASO1, BKNI, BKNI, YHNB, YHNB, CMAR, CMAR, STKA, STKA, STKA, STKA, KSAR, KSAR, KSRS, KSRS, USRK, USRK, SONA, SONA, SONM, SONM, PETK, PETK, PE1A, PE1A, MK32, MK32, MKAR, MKAR, ZALV, ZALV, ZAA1, ZAA1, KURK, KURK.

SOME 25 10:31:37.2, 44.62N-82.35E, h15km

NNC 25 10:31:39.4, 44.44N-82.25E, h0km, mb3.5, mpv3.1, Error ellipse: s-maj=19.1km s-min=3.3km az=116.0

ISC 25 10:31:42.7-2.7, 44.89N-0.08-81.88E, 0.09, h14km, 21km, n15, c#191/30, 2C-4D, Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DJR, DJR, DJR, DJR, KAPS, KAPS, KAPS, KAPS, MAKZ, MAKZ, MAKZ, MAKZ, MK31, MK31, MK31, MK31, PDGK, PDGK, PDGK, PDGK, TDK, TDK, TDK, TDK, TDK, TDK, UZB, UZB, UZB, UZB, ARXS, ARXS, ARXS, ARXS, SATY, SATY, SATY, SATY, ZSN, ZSN, ZSN, ZSN, CHKK, CHKK, CHKK, CHKK, KOTS, KOTS, KOTS, KOTS, MDOK, MDOK, MDOK, MDOK, KTBS, KTBS, KTBS, KTBS, TNSS, TNSS, TNSS, TNSS.

ATH 25 11:01:20.9, 39.60N-26.02E, h26km, 1km, ML1.6/6, Error ellipse: s-maj=2.9km s-min=1.1km az=245.0

ISCJB 25 11:01:21.4, 0.5, 39.61N-0.03-26.01E, 0.04, h5km, 6km, Error ellipse: s-maj=5.1km s-min=4.1km az=151.1

DDA 25 11:01:22.1, 39.66N-26.10E, h7km, M12.7

ISC 25 11:01:21.4-0.9, 39.61N-0.03-26.02E, 0.04, h15km, 8km, n11, c#031/20, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BOZC, BOZC, PRK, PRK, PRK, PRK, SGR, SGR, SGR, SGR, BAYC, BAYC, LIA, LIA, LIA, LIA, LIA, LIA, SMTH, SMTH, SMTH, SMTH, CHOS, CHOS, ALN, ALN, ALN, ALN, ALN, ALN, KNL, KNL, STEP, STEP.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include DZM, DZM, DZM, CTA, STKA, WRA, ASAR, CMAR, GERES.

IDC 25 15:16:07.8t.1.8, 17.66S:176.32E, h0km, mb4.0/6, mb1 4.3/6, mb1mx3.9/33, mbtmp4.0/6, MS2.8, Ms1 3.2/8, ms1mx3.1/23, Error ellipse: s-maj=115.5km s-min=23.5km az=156.0

NEIC 25 15:16:13.3t.1.1, 17.54S:176.19E, h35km, mb4.0/3, Error ellipse: s-maj=71.1km s-min=11.3km az=155.0

ISC 25 15:16:13.5t.1.5, 17.45S:176.2E, 0.3, h35km, n27, c0742/22, mb3.9/9, MS3.4/6, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include DZM, HNR, URZ, RPZ, PPT, STKA, WB2, WRAB, WR1, WRA, ASO1, AS31, ASAR, ASAR, NVAR, CMAR, CMAR, TXAR, PDAR, CONA, GERES, GEOA, MOA, WATA, MOTA, SQT, FETA, DAVA, DAVOX.

TIF 25 15:22:21.2, 42.45N:41.00E, h10km, 3km ISC 25 15:22:21.2, 42.45N:41.00E, h10km, 3km

MOS 25 15:22:23.0, 0.0, 42.56N:41.08E, h0km, MPVA3.4 ISC 25 15:22:23.0, 0.0, 42.44N:40.003, 40.98E:0.04, h7km, 11km, n16, c049/28, Black Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include DOMR, BATM, BATM, BKA, BKA, ARXR, ARXR, NEY, NEY, GUZR, GUZR, KTUT, SHAI, SHAI, ONI, ONI, ONI, ONI, KIS, DIGR, DIGR, ZEI, ZEI, ESPY, LACR, LACR, TRLG, TRLG.

ISCJB 25 15:30:08.9t.0.8, 26.46S:0.03, 27.56E:0.04, h7km, 6km, mb4.0/5, Error ellipse: s-maj=6.9km s-min=4.0km az=38.1

PRE 25 15:30:09.2t.1.8, 26.46S:27.56E, h0km, ML3.4

IDC 25 15:30:10.5t.0.9, 26.45S:27.49E, h0km, mb4.0/5, mb1 4.2/11, mb1mx3.8/50, mbtmp4.2/11, ML4.2/4, MS2.5/2, Ms1 2.5/2, ms1mx2.2/32, Error ellipse: s-maj=17.2km s-min=13.6km az=83.0

IAF 25 15:30:12.0t.0.5, 26.39S:27.47E, h7km, 11km, MD3.7

ISC 25 15:30:09.8t.1.1, 26.43S:0.03, 27.55E:0.03, h5km, 2km, n32, c201/55, mb4.0/5, South Africa

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include PRYS, PRYS, ERPM, ERPM, KSR, KSR, SLR, SLR, SWZ, SWZ, LBTB.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include LBTT, LBTT, LBTT, LBTT, LBTT, LBTT.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include BOSA, BOSA, BOSA, BOSA, BOSA, BOSA.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include BOSA, BOSA, BOSA, BOSA, BOSA, BOSA.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include MSNA, MSNA, MSNA, MSNA, MSNA, MSNA.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include PKA, PKA, PKA, PKA, PKA, PKA.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include MATP, MATP, MATP, MATP, MATP, MATP.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include MATP, MATP, MATP, MATP, MATP, MATP.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include MATP, MATP, MATP, MATP, MATP, MATP.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include GRAN, GRAN, GRAN, GRAN, GRAN, GRAN.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include GRAN, GRAN, GRAN, GRAN, GRAN, GRAN.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include KROM, KROM, KROM, KROM, KROM, KROM.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include SUR, SUR, SUR, SUR, SUR, SUR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include SUR, SUR, SUR, SUR, SUR, SUR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include CVNA, CVNA, CVNA, CVNA, CVNA, CVNA.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include LSZ, LSZ, LSZ, LSZ, LSZ, LSZ.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include TSUM, TSUM, TSUM, TSUM, TSUM, TSUM.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include TORD, TORD, TORD, TORD, TORD, TORD.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include GSPA, GSPA, GSPA, GSPA, GSPA, GSPA.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ESDC, ESDC, ESDC, ESDC, ESDC, ESDC.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include FINES, FINES, FINES, FINES, FINES, FINES.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include MKAR, MKAR, MKAR, MKAR, MKAR, MKAR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include NVAR, NVAR, NVAR, NVAR, NVAR, NVAR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include CDAG, CDAG, CDAG, CDAG, CDAG, CDAG.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include BRTR, BRTR, BRTR, BRTR, BRTR, BRTR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include CORM, CORM, CORM, CORM, CORM, CORM.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include COAL, COAL, COAL, COAL, COAL, COAL.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include BBAL, BBAL, BBAL, BBAL, BBAL, BBAL.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ELDT, ELDT, ELDT, ELDT, ELDT, ELDT.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include CANT, CANT, CANT, CANT, CANT, CANT.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include AFSR, AFSR, AFSR, AFSR, AFSR, AFSR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include TOKT, TOKT, TOKT, TOKT, TOKT, TOKT.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include KIZT, KIZT, KIZT, KIZT, KIZT, KIZT.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include AUSIN, AUSIN, AUSIN, AUSIN, AUSIN, AUSIN.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include AUSIN, AUSIN, AUSIN, AUSIN, AUSIN, AUSIN.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include KDHN, KDHN, KDHN, KDHN, KDHN, KDHN.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include LADK, LADK, LADK, LADK, LADK, LADK.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include KURC, KURC, KURC, KURC, KURC, KURC.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include SVSK, SVSK, SVSK, SVSK, SVSK, SVSK.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include KONT, KONT, KONT, KONT, KONT, KONT.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include KERG, KERG, KERG, KERG, KERG, KERG.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ESKT, ESKT, ESKT, ESKT, ESKT, ESKT.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include DOGA, DOGA, DOGA, DOGA, DOGA, DOGA.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include BOLV, BOLV, BOLV, BOLV, BOLV, BOLV.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include KOZT, KOZT, KOZT, KOZT, KOZT, KOZT.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include BORA, BORA, BORA, BORA, BORA, BORA.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include GULZ, GULZ, GULZ, GULZ, GULZ, GULZ.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include CUZAR, CUZAR, CUZAR, CUZAR, CUZAR, CUZAR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include DARE, DARE, DARE, DARE, DARE, DARE.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ILIC, ILIC, ILIC, ILIC, ILIC, ILIC.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include TLB, TLB, TLB, TLB, TLB, TLB.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include MMAI, MMAI, MMAI, MMAI, MMAI, MMAI.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include CFR, CFR, CFR, CFR, CFR, CFR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include VRI, VRI, VRI, VRI, VRI, VRI.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include PLOHR, PLOHR, PLOHR, PLOHR, PLOHR, PLOHR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include MLR, MLR, MLR, MLR, MLR, MLR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include MLR, MLR, MLR, MLR, MLR, MLR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include VTS, VTS, VTS, VTS, VTS, VTS.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include DOPR, DOPR, DOPR, DOPR, DOPR, DOPR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include BURAR, BURAR, BURAR, BURAR, BURAR, BURAR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include AKGAS, AKGAS, AKGAS, AKGAS, AKGAS, AKGAS.

KRSC 25 15:42:59.3t.1.3, 54.339N:164.53E, h47km, 23km, ML3.8, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include KBTR, KBTR, KBTR, KBTR, KBTR, KBTR.

NEIC 25 16:21:25.3t.4.3, 14.42S:167.43E, h136km, 36km, mb4.2/6, Error ellipse: s-maj=19.7km s-min=12.2km az=129.0

ISCJB 25 16:21:28.0t.0.5, 14.35S:0.06, 167.29E:0.10, h170km, mb4.1/16, Error ellipse: s-maj=13.7km s-min=7.4km az=11.3

IDC 25 16:21:28.9t.2.3, 14.40S:167.39E, h163km, 21km, mb4.0/13, mb1 4.1/14, mb1mx3.9/32, mbtmp4.4/14, Error ellipse: s-maj=21.4km s-min=16.2km az=128.0

ISC 25 16:21:29.4t.0.6, 14.38S:0.08, 167.3E:0.1, h170km, n63, c065/69, mb4.1/16, Vanuatu Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include DZM, DZM, DZM, RABL, RABL, EIDS, STKA, STKA, STKA, WRA, WRA, AS31, ASAR, SIJI, MJAR, MAJO, PETK, PE01, PE01, PE01, CMAR, CMAR, ULN, SONA, SONA, SONA, ILB, ILB, NV01, NVAR, MK01, MK01, MK01, MKAR, MKAR, ZALV, ZALV, ZAA1, YKA, YKB5, ARA0.

1249

TIA	Tai'an	17.75 289	P	P	17 11 57.8 -0.7
TIA			S	S	17 15 00.8 -2.7
TIA	comp=N,31nm,1.4s		LR	LR	
TIA	comp=N,280nm,5.4s		LR	LR	
TIA	comp=N,340nm,4.9s		LR	LR	
KLR	Kul'dur	17.81 347	P	P	17 11 58.1 -0.7
KLR	comp=N,11nm,0.3s,baz=170,slow=8.5,SNR=266		ScP	ScP	17 19 15.9 +0.4
GRNR	Kul'dur	17.81 347 d/P	P	P	17 11 57.9 -0.9
GRNR	Gornyy	18.76 357 eP	P	P	17 12 09.0 0.0
TYV	Tymovskoe	19.14 9	eP	S	17 12 13.5 +0.7
TYV			eS	S	17 15 27.9 -0.9
TYV	comp=Z,69nm,0.7s		pmx	pmx	
TYV	comp=Z,200nm,5.6s		smx	smx	
TYV	comp=E,600nm,4.3s		smx	smx	
TYV	comp=Z,13nm,1.7s		smx	smx	
BJT	Baijiatau	19.32 300	eP	P	17 12 13.3 -1.6
BJT	Baijiatau	19.32 300	eP	P	17 12 13.3 -1.6
BJT	comp=Z,101nm,0.5s		P	P	
BJI	Beijing	19.32 301	P	S	17 12 13.5 -1.4
BJI			S	S	17 13 57.5 +1.8
BJI			S	S	17 15 24.8 -7.5
BJI			ScP	ScP	17 19 19.3 +0.3
BJI	comp=Z,34nm,1.4s		pmx	pmx	
GUMO	Guam	19.41 159	P	P	17 12 16.1 0.0
GUMO	comp=Z,32nm,0.3s,baz=180,slow=3.8,SNR=12		P	P	17 12 15.7 -0.4
WHN	Wuhan	20.24 272	P	P	17 12 23.5 -0.5
WHN			S	S	17 15 46.0 -1.2
WHN	comp=Z,820nm,17.1s		LR	LR	
NKL	Nikolayevsk	21.20 5 i/P	P	P	17 12 33.4 +1.1
NKL			pmx	pmx	
HIA	Hailar	21.99 327	eP	P	17 12 39.8 +0.1
HIA	Hailar	21.99 327	eP	P	17 12 39.8 +0.1
HIA	comp=Z,70nm,0.8s		pmx	pmx	
HHC	Hu-ho-hao-te	22.93 300	eP	S	17 12 48.5 +0.1
HHC			S	S	17 16 31.3 +0.7
HHC	comp=Z,100nm,0.7s		pmx	pmx	
SKR	Severo-Kuril's	22.97 31	P	P	17 12 50.6 +2.1
ZEA	Zeya	23.03 344	eP	P	17 12 49.2 +0.3
ZEA	comp=N,110nm,1.0s		pmx	pmx	
ZEA	comp=E,47nm,1.0s		pmx	pmx	
ZEA	comp=Z,170nm,1.0s		MLR	MLR	
ZEA	comp=Z,400nm,13.0s		MLR	MLR	
BTO	Baotou	24.02 299	eP	P	17 12 59.5 +1.3
BTO			S	S	17 16 47.5 -0.2
XAN	Xi'an	24.41 283	P	P	17 13 01.0 -0.7
XAN			S	S	17 14 51.5 +0.1
XAN			S	S	17 16 50.8 -3.1
XAN			ScP	ScP	17 19 33.3 +1.1
XAN			ScS	ScS	17 23 23.0 +2.5
XAN	comp=Z,150nm,1.0s		pmx	pmx	
XAN	comp=Z,500nm,3.5s		LR	LR	
XAN	comp=Z,390nm,9.6s		LR	LR	
ENH	Enshi	24.41 273	eP	P	17 13 00.7 -1.1
PEAOB	Petrovlovsk	25.43 28	eP	P	17 13 09.2 -1.4
PETK	Petrovlovsk	25.43 28	eP	P	17 13 12.0 +1.4
PETK	comp=Z,6.9nm,1.0s,baz=204,slow=6.3,SNR=40		ScP	ScP	17 19 34.3 -0.4
PETK	Petrovlovsk	25.43 28	eP	P	17 13 11.1 +0.5
PETK	Petrovlovsk	25.43 28	eP	P	17 13 11.1 +0.5
PEA1	Petrovlovsk	25.43 28	eP	P	17 13 12.0 +1.4
PET	Petrovlovsk	25.76 29	eP	P	17 13 13.0 -0.4
PET	Petrovlovsk	25.76 29	eP	P	17 13 13.0 -0.4
PET	comp=Z,82nm,1.1s		pmx	pmx	
CIT	Chita	26.77 325	eP	P	17 13 23.6 +1.1
CIT			e	e	17 14 30.2
CIT	comp=Z,122nm,1.2s		pmx	pmx	
GYA	Guiyang	27.82 267	i/P	P	17 13 30.5 -1.7
GYA			pP	pP	17 14 41.3 +1.4
GYA			sP	sP	17 15 24.8 +1.6
GYA			PcP	PcP	17 16 39.0 +1.4
GYA			S	S	17 17 48.3 +0.5
GYA			ScP	ScP	17 19 34.5 +1.0
GYA			ScS	ScS	17 23 35.0 -0.7
GYA	comp=Z,10nm,0.7s		pmx	pmx	
ULN	Ulaanbaatar	28.25 313	eP	P	17 13 36.6 +0.8
ULN	comp=Z,84nm,0.5s		P	P	17 13 37.0 +1.2
ULN	Ulaanbaatar	28.25 313 d eP	P	P	17 13 36.8 +1.0
ULN	Ulaanbaatar	28.25 313 d eP	P	P	17 13 36.8 +1.0
QIZ	Qiongzong	28.40 250	eP	P	17 13 37.4 +0.2
LZH	Lanzhou	28.48 288	eP	P	17 13 38.0 +0.1
LZH			pP	pP	17 14 47.0 +1.0
LZH			FP	FP	17 14 51.5 +0.1
LZH			sP	sP	17 15 33.5 +4.3
LZH			S	S	17 17 53.8 -4.2
LZH	comp=Z,97nm,1.0s		pmx	pmx	
LZH	comp=Z,720nm,4.9s		pmx	pmx	
SONA0	Songino Array	28.65 313	eP	P	17 13 40.2 +0.9
SONA0			ePcP	PcP	17 16 39.9 +0.6
SONA0			ScP	ScP	17 19 44.7 0.0
SONA0	Songino Array	28.65 313	eP	P	17 13 39.0 -0.3
SONM	Songino Array	28.65 313	eP	P	17 13 40.2 +0.9
SONM	comp=Z,28nm,0.4s,baz=118,slow=8.1,SNR=290		PcP	PcP	17 16 39.9 +0.6
SONM	comp=Z,4.3nm,0.6s,baz=99,slow=1.3,SNR=5.6		ScP	ScP	17 19 44.7 -0.1
H11N2	WAKE ISLAND Hy	28.66 108	T	T	17 44 07.7
H11N1	WAKE ISLAND Hy	28.67 108	T	T	17 43 58.7
H11N3	WAKE ISLAND Hy	28.68 108	T	T	17 44 09.1
MA2	Magadan	28.85 14	P	P	17 13 41.5 +0.8
MA2	comp=Z,56nm,0.8s,baz=194,slow=7.6,SNR=19		P	P	17 13 41.0 +0.3
MA2	Magadan	28.85 14	eP	P	17 13 41.0 +0.3
MA2	Magadan	28.85 14	eP	P	17 13 41.7 +1.0
MA2	comp=Z,178nm,1.1s		pmx	pmx	
CD2	Chengdu	29.14 277	P	P	17 13 43.5 -0.2
CD2	comp=Z,70nm,0.5s		pmx	pmx	
YAK	Yakutsk	30.49 352	eP	P	17 13 53.6 -1.4
YAK			P	P	17 15 12.5

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YAK			e	S	17 16 43.2
YAK			eS	S	17 18 25.6 -2.8
YAK			e'SS	S	17 20 25.0 -9.1
YAK			e	pmx	17 23 42.8
YAK	comp=Z,117nm,0.9s		pmx	pmx	
YAK	comp=N,71nm,1.1s		pmx	pmx	
YAK	comp=E,8.0nm,0.8s		pmx	pmx	
YAK	comp=Z,278nm,3.5s		pmx	pmx	
YAK	comp=N,315nm,3.5s		pmx	pmx	
YAK	comp=E,263nm,3.7s		smx	smx	
YAK	comp=N,246nm,2.5s		smx	smx	
BOD	Bodaibo	30.55 335	eP	P	17 13 55.3 -0.3
BOD	comp=Z,216nm,2.0s		smx	smx	
ZAK	Zakamensk	31.51 316	eP	P	17 14 03.3 -0.9
ZAK			e	e	17 16 44.7
ZAK	comp=Z,34nm,1.5s		pmx	pmx	
ZAK	comp=Z,58nm,1.4s		pmx	pmx	
ZAK	comp=Z,7.0nm,1.7s		pmx	pmx	
KMI	Kunming	31.60 266	P	P	17 14 04.0 -1.4
KMI	comp=Z,11nm,1.2s		pmx	pmx	
KMI	comp=Z,240nm,4.6s		pmx	pmx	
GTA	Gaotai	31.66 294	i/P	P	17 14 05.5 -0.2
GTA			pP	pP	17 15 16.8 +2.2
GTA			sP	sP	17 16 01.5 +4.0
GTA			PcP	PcP	17 16 48.5 +1.1
GTA			S	S	17 18 45.5 -1.9
GTA			ScP	ScP	17 19 13.1 -3.6
GTA			PcS	PcS	17 20 32.3 -0.2
GTA			SS	SS	17 20 56.3 +2.8
GTA			SS	SS	17 21 16.0 -6.4
GTA			ScS	ScS	17 23 51.3 -2.7
GTA	comp=Z,69nm,1.1s		pmx	pmx	
GTA	comp=Z,200nm,8.6s		pmx	pmx	
GTA	comp=Z,170nm,17.1s		LR	LR	
GTA	comp=Z,190nm,17.1s		LR	LR	
GTA	comp=Z,270nm,16.5s		LR	LR	
IRK	Irkutsk	31.71 320	eP	P	17 14 06.0 +0.2
IRK			pmx	pmx	
SEY	Seymchan	32.26 12	P	P	17 14 11.2 +0.9
SEY	comp=Z,9.8nm,0.8s,baz=200,slow=6.6,SNR=14		P	P	17 14 11.9 +1.6
SEY	Seymchan	32.26 12	eP	P	17 14 12.7 -1.7
TNTI	Ternate	32.66 200	eP	P	17 14 21.3 +2.2
SMY	Shemya	33.26 41	eP	P	17 14 21.3 +2.2
SMY	Shemya	33.26 41	eP	P	17 14 21.3 +2.2
SMY	comp=Z,763nm,2.0s		pmx	pmx	
SUJI	Sorong	33.33 192	P	P	17 14 19.9 -0.2
SUJI	comp=Z,6.7nm,0.6s,baz=1.9,slow=13,SNR=8.1		ScP	ScP	17 20 00.8 0.0
SUJI	comp=Z,7.4nm,0.7s,baz=5.1,slow=2.2,SNR=5.9		P	P	17 14 20.5 +0.6
MOY	Mondy	33.33 317	eP	P	17 14 20.5 +0.6
MOY			pmx	pmx	
KMSI	Cibinong	33.96 206	P	P	17 14 24.3 -1.2
KMSI	Sakalnakor	34.20 252	P	P	17 14 28.2 +0.7
KMSI	comp=Z,47nm,1.7s		P	P	17 14 28.9 +0.4
NONG	Nongkai	34.31 255	P	P	17 14 28.9 +0.4
GENI	Genyem	34.49 176	P	P	17 14 30.5 +0.5
MRSI	Marisa	34.85 209	P	P	17 14 32.9 -0.1
MANU	Manus Island	35.04 163	eP	P	17 14 33.9 -0.8
FAKI	Fak Fak	35.18 190	eP	P	17 14 34.2 -1.6
FAKI	comp=Z,9nm,0.7s		P	P	17 14 34.8 -1.0
SANI	Sanana	35.75 201	P	P	17 14 38.5 -2.1
MPSI	Mapaga	35.85 212	P	P	17 14 40.1 -1.4
LUWI	Luwuk	35.90 207	eP	P	17 14 41.5 -0.4
LUWI	comp=Z,25nm,0.9s		P	P	17 14 39.5 -2.4
APSI	Ampana	36.22 208	P	P	17 14 44.2 -0.4
CHAI	Chiayaphum	36.39 252	P	P	17 14 45.7 -0.3
CHAI	comp=Z,30nm,0.8s		P	P	17 14 47.7 -0.1
UTTA	Utтарай	36.60 256	P	P	17 14 47.7 -0.1
PBKT	Sadao Pong	36.86 254	eP	P	17 14 49.6 -0.3
PBKT	comp=Z,18nm,0.8s,comp=Z,158nm		P	P	17 14 49.6 -0.3
PBKT	comp=Z,67nm,1.0s		ePcP	PcP	17 17 03.5 +0.8
PBKT	Sadao Pong	36.86 254	eP	P	17 14 50.1 +0.2
PCI	Palu	36.98 211	P	P	17 14 50.9 -0.1
PCI	comp=Z,36nm,1.0s		P	P	17 14 51.0 -3.3
SRAK	Srakaw	37.39 250	P	P	17 14 51.0 -3.3
SRAK	comp=Z,289nm,0.7s,comp=Z,2um		P	P	17 14 54.4 -0.2
CMMT	Chiang Mai	37.42 259	P	P	17 14 54.4 -0.2
CMMT	comp=Z,46nm,1.1s,comp=Z,539nm		eP	eP	17 14 54.3 -0.3
CMMT	Chiang Mai	37.42 259	eP	P	17 14 54.3 -0.3
CHTO	Chiang Mai	37.42 259	eP	P	17 14 54.3 -0.3
CHTO	comp=Z,37nm,0.9s		eS	S	17 20 16.2 +1.0
CHTO	Chiang Mai	37.42 259	eP	P	17 14 54.5 -0.1
CHTO	Chiang Mai	37.42 259	eP	P	

25d 17h

Table with columns: KURK, Kurchatov, 46.95 312 P, P, 17 16 10.0 -0.1, etc. Includes rows for Kurchatov, Bangkinang, Uzunbulak, etc.

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Table with columns: KDAK, Kodiak Island, 52.74 39 eP, P, 17 16 53.7 +0.6, etc. Includes rows for Kodiak Island, Purkeypile, Castle Rocks, etc.

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Table with columns: GEYT, Alibeck, 63.81 300 P, P, 17 18 09.1 -0.2, etc. Includes rows for Alibeck, ALIBECK ARRAY, HOPEN Hopen, etc.

LOF	Lofoten	71.98 341	eP	P	17 18 58.7	-0.3
KBZ	Khabaz	72.00 311	P	P	17 19 00.2	+0.7
KIV	Kislovodsk	72.03 311	eP	P	17 19 00.3	+0.4
KIV	Kislovodsk	72.03 311	P	P	17 19 00.6	+0.7
KIV	Kislovodsk	72.03 311	iP	P	17 19 00.9	+0.9
KIV	Kislovodsk	72.03 311	eP	P	17 19 00.3	+0.4
NEY	Nejtrino	72.33 310	iP	P	17 19 03.0	+1.2
GNI	Garni	72.41 307	eP	P	17 19 02.5	+0.2
GNI	Garni	72.41 307	P	P	17 19 03.6	+1.3
GNI	Garni	72.41 307	iP	P	17 19 03.4	+1.1
GNI	Garni	72.41 307	eP	P	17 19 03.3	+1.0
D03D	Eldon	72.62 45	P	P	17 19 05.0	+1.8
MORR	Moi Rana	73.05 339	eP	P	17 19 04.5	-0.8
KONS	Konvik	73.21 340	eP	P	17 19 06.2	0.0
VSU	Vasula	73.31 329	iAmb	iAmb	17 19 08.0	
VSU	Vasula	73.31 329	eP	P	17 19 07.1	+0.2
KARS	Kars	73.31 308	eP	P	17 19 08.7	+1.2
KARS	Kars	73.31 308	eP	P	17 19 08.7	+1.2
F04D	Rainier, OR	73.36 46	P	P	17 19 08.9	+1.4
C06D	Leavenworth	73.73 43	P	P	17 19 11.0	+1.3
M2R	Muzera	73.73 287	iP	P	17 19 11.4	+1.3
DAGI	Agillar	73.88 309	iP	P	17 19 11.4	+0.7
DB	Borcka	73.91 309	iP	P	17 19 11.6	+0.7
DBAD	Sademkaya	74.03 309	iP	P	17 19 12.4	+0.7
SOC	Soroka	74.10 312	eP	P	17 19 09.9	-1.9
SOC	Soroka	74.10 312	eP	P	17 20 32.7	-1.6
SOC	Soroka	74.10 312	eP	P	17 22 00.9	
SOC	Soroka	74.10 312	eP	P	17 23 48.7	-1.5
SOC	Soroka	74.10 312	eP	P	17 33 07.5	+0.5
SOC	Soroka	74.10 312	eP	P	17 36 31.3	
H04D	Lebanon	74.29 47	P	P	17 19 14.4	+1.5
I03D	Drain, OR	74.31 48	P	P	17 19 14.8	+1.8
H0M1	Horasan	74.38 308	iP	P	17 19 14.2	+0.5
BOBI	Colville Reser	74.42 42	eP	P	17 19 14.5	+0.9
K02D	Willamette Mer	74.60 49	P	P	17 19 16.5	+1.7
G05D	Wamic, OR	74.81 46	P	P	17 19 17.4	+1.5
I04A	Tendick Farm,	74.86 48	P	P	17 19 17.3	+1.1
L02E	Cave Junction	74.91 50	P	P	17 19 18.0	+1.5
ANN	Anapa	74.93 314	iP	P	17 19 15.6	-0.9
NSS	Namsos	74.93 339	eP	P	17 19 16.1	0.0
E07A	Sunnyside	75.03 44	eP	P	17 19 18.4	+1.3
IZAR	Zarasai	75.08 327	eP	P	17 19 17.8	+0.7
IZAR	Zarasai	75.08 327	eP	P	17 19 18.7	
IDID	Didziasali	75.10 327	eP	P	17 19 18.1	+0.9
ISAL	Salakas	75.23 327	eP	P	17 19 18.8	+0.8
I05D	Terrebonne, OR	75.25 47	P	P	17 19 19.8	+1.4
HAWA	Hanford	75.30 44	eP	P	17 19 19.5	+0.9
C09A	Chrisman Ranch	75.31 43	eP	P	17 19 18.6	0.0
NACGM	Naroch	75.31 326	eP	P	17 19 18.0	-0.5
D08A	Wollman Farm,	75.32 44	eP	P	17 19 19.9	+1.2
IIGN	Ignalina	75.32 327	eP	P	17 19 19.3	+0.8
F07A	Phinny Hill Vi	75.32 45	eP	P	17 19 19.6	+0.9
J04D	Umpqua Nationa	75.32 48	P	P	17 19 20.1	+1.1
SRTM	Siirt Merkez	75.36 306	iP	P	17 19 19.6	+0.3
BYAB	BAYBURT	75.38 308	iP	P	17 19 20.3	+0.9
E08A	Dider Farm, El	75.53 44	eP	P	17 19 20.9	+1.1
SUMG	Gummit	75.65 359	eP	P	17 19 21.2	+0.7
SUMG	Summit	75.65 359	iP	P	17 19 21.9	+1.3
SUMG	Summit	75.65 359	iP	P	17 19 21.9	+1.3
SLIT	Slitere, Latvi	75.71 330	eP	P	17 19 20.3	-0.3
L04D	Klamath Falls	75.71 49	P	P	17 19 22.2	+1.0
NEW	Newport	75.72 42	eP	P	17 19 22.1	+1.1
NEW	Newport	75.72 42	eP	P	17 19 22.1	+1.1
NEW	Newport	75.72 42	eP	P	17 19 22.0	+1.1
M02C	Callahan	75.77 50	P	P	17 19 23.0	+1.5
RBK	Rabkut	75.77 282	P	P	17 19 21.5	-0.2
PINE	Pine Mountain	75.78 47	eP	P	17 19 23.3	+1.7
J05D	Fort Rock, OR	75.85 48	P	P	17 19 23.6	+1.6
K04D	Chiloquin, OR	75.86 48	P	P	17 19 23.2	+1.3
WHFO	Wadi Hawf	75.93 282	P	P	17 19 22.3	-0.4
E09A	Wood Farm, Sta	76.06 44	eP	P	17 19 24.4	+1.5
N02D	Trinity Center	76.08 50	P	P	17 19 24.7	+1.5
KELT	Kelkit	76.10 309	iP	P	17 19 23.7	+0.2
G08A	Pilot Rock	76.22 45	eP	P	17 19 25.4	+1.5
M04C	Macdoel	76.23 49	P	P	17 19 25.5	+1.4
TBLU	Trondheim	76.38 338	eP	P	17 19 23.7	-0.5
WDC	Whiskeytown Da	76.39 51	eP	P	17 19 24.8	0.0
WDC	Whiskeytown Da	76.39 51	eP	P	17 19 24.8	0.0
TNCL	Tunceli-Merkez	76.42 308	iP	P	17 19 28.4	+3.2
O02D	Mt. Diablo Mer	76.43 51	P	P	17 19 26.7	+1.6
AKASG	Malin Array B	76.48 322	eP	P	17 19 25.0	-0.1
AKASG	Malin Array B	76.48 322	eP	P	17 19 25.0	-0.1
AKBB	Malin Array Si	76.48 322	eP	P	17 19 24.4	-0.7
AKBB	Malin Array Si	76.48 322	eP	P	17 19 24.4	-0.7

KIEV	Kiev	76.50 322	eP	P	17 19 24.5	-0.6
KIEV	Kiev	76.50 322	iP	P	17 19 25.2	0.0
KIEV	Kiev	76.50 322	dIP	P	17 19 24.9	-0.3
AK11	Malin Array Si	76.53 322	eP	P	17 19 24.6	-0.7
SUSE	Susehri	76.76 309	iP	P	17 19 26.7	-0.4
SCO	Scorebysund	76.77 353	iP	P	17 19 27.1	+0.9
SCO	Scorebysund	76.77 353	iP	P	17 19 27.6	+1.3
SCO	Scorebysund	76.77 353	iP	P	17 19 27.6	+1.3
SIM	Simferopol	76.87 315	eP	P	17 19 27.6	+0.2
F10A	Beach Ranch, E	76.88 44	eP	P	17 19 28.4	+0.8
O03E	Paynes Creek	77.02 51	P	P	17 19 28.8	+0.4
KEM	Kemalye	77.05 308	iP	P	17 19 29.4	+0.8
MOD	Modoc Plateau	77.16 49	eP	P	17 19 29.9	+0.6
BMO	Blue Mountains	77.44 45	eP	P	17 19 31.6	+0.9
NC40S	NORSAR Array S	77.44 336	eP	P	17 19 30.0	-0.2
NC303	NORSAR Array S	77.48 337	eP	P	17 19 30.2	-0.2
J08A	Circle Bar Ran	77.53 47	eP	P	17 19 32.4	+1.2
SUW	Suwalki	77.53 327	eP	P	17 19 30.9	+0.1
SUW	Suwalki	77.53 327	eP	P	17 19 30.2	-0.6
SUW	Suwalki	77.53 327	eP	P	17 19 30.9	+0.1
ORV	Oroville	77.60 51	eP	P	17 19 31.7	+0.2
ORV	Oroville	77.60 51	eP	P	17 19 31.7	+0.2
JTMT	Jette	77.60 41	eP	P	17 19 32.9	+1.4
DOMB	Dombas	77.64 338	eP	P	17 19 31.5	+0.2
NC204	NORSAR Array S	77.64 337	eP	P	17 19 31.4	0.0
NB2	NORSAR Subarra	77.66 336	P	P	17 19 31.1	-0.4
NB2	NORSAR Subarra	77.66 336	P	P	17 19 31.1	-0.4
NB200	NORSAR Array S	77.66 336	eP	P	17 19 31.2	-0.2
NOA	NORSAR Array B	77.66 336	eP	P	17 19 31.2	-0.2
MUK	Mukdang	77.71 309	eP	P	17 19 33.0	+0.7
MOL	Molde	77.72 339	eP	P	17 19 32.3	+0.7
NC602	NORSAR Array S	77.72 336	eP	P	17 19 31.3	-0.7
NC602	NORSAR Array S	77.72 336	eP	P	17 19 31.7	-0.3
NB000	NORSAR Array S	77.82 337	eP	P	17 19 31.7	-0.6
NAO01	NORSAR Array S	77.92 336	eP	P	17 19 32.3	-0.5
WVOR	Wild Horse Val	77.93 47	eP	P	17 19 34.6	+1.2
WVOR	Wild Horse Val	77.93 47	eP	P	17 19 34.6	+1.2
AKN	Aaknes	78.19 339	eP	P	17 19 36.0	+1.7
BEKR	Beckworth	78.19 50	eP	P	17 19 35.6	+0.7
AFSD	Forest Hills D	78.26 51	eP	P	17 19 36.3	+1.2
MSO	Missoula	78.31 42	eP	P	17 19 35.8	+0.4
MSO	Missoula	78.31 42	eP	P	17 19 36.1	+0.7
CUSAR	Karslika-SIVAS	78.46 309	iP	P	17 19 37.3	+0.9
KLNR	Kalinograd	78.52 328	eP	P	17 19 37.5	+1.4
OSL	Oso	78.63 336	eP	P	17 19 37.3	+0.6
GZT	Gaziantep	78.66 307	iP	P	17 19 38.4	+0.8
CTAK	Corum, Osmancik	78.75 311	P	P	17 19 38.6	+0.6
COAL	Corum-Alaca	78.84 311	iP	P	17 19 38.9	+0.5
PAHR	Pah Rah Range	78.91 50	eP	P	17 19 39.4	+0.6
VCNR	Virginia City	78.95 51	eP	P	17 19 40.4	+1.3
PNTR	Pine Nut	79.10 51	eP	P	17 19 41.1	+1.2
MFID	Camden Ranch	79.12 45	eP	P	17 19 40.8	+1.0
CMB	Columbia Colle	79.14 52	eP	P	17 19 40.5	+0.6
CMB	Columbia Colle	79.14 52	eP	P	17 19 40.5	+0.6
HYA	Hoyanger	79.21 338	eP	P	17 19 40.4	+0.7
ILGA	Ilgaz	79.22 312	iP	P	17 19 41.5	+1.0
ILGA	Ilgaz	79.22 312	iP	P	17 19 41.3	+0.7
KONO	Kongsberg	79.23 336	eP	P	17 19 40.1	+0.3
BKZ	Black Stump Fm	79.36 150	eP	P	17 19 40.7	-0.2
ANDI	Andriano	79.37 308	iP	P	17 19 42.2	+1.0
YERR	Yerrington	79.39 51	eP	P	17 19 42.4	+0.9
IAS	IASI	79.40 319	iP	P	17 19 41.4	+0.4
IAS	IASI	79.40 319	iP	P	17 19 41.4	+0.4
LEON	Leova	79.44 319	iP	P	17 19 41.8	+0.5
LEON	Leova	79.44 319	iP	P	17 19 41.8	+0.5
FFC	Flin Flon	79.45 31	eP	P	17 19 41.5	+0.3
FFC	Flin Flon	79.45 31	eP	P	17 19 41.5	+0.3
FFC	Flin Flon	79.45 31	eP	P	17 19 41.5	+0.3
HRV	Holter Researc	79.56 41	eP	P	17 19 43.0	+0.8
CDAG	Cedarg	79.57 310	eP	P	17 19 42.5	+0.3
LWV	Lov	79.70 323	eP	P	17 19 42.0	-0.6
ELDT	Eldivan	79.71 311	iP	P	17 19 43.5	+0.5
FCC	Fort Churchill	79.73 25	eP	P	17 19 42.3	-0.2
FCC	Fort Churchill	79.73 25	eP	P	17 19 42.3	-0.2
LRM	Limekiln Ridge	79.73 42	eP	P	17 19 44.4	+1.2
SUE	Sulen	79.73 339	eP	P	17 19 43.3	+0.7
KBUK	KARABUK-Merkez	79.80 312	iP	P	17 19 44.3	+0.9
BTIN	Bart	79.82 313	iP	P	17 19 43.4	0.0
TLCR	TLCR	79.86 317	iP	P	17 19 44.1	+0.6
TLCR	TLCR	79.86 317	iP	P	17 19 44.1	+0.6
RAYN	Ar Rayn	79.87 291	eP	P	17 19 44.1	+0.1
RAYN	Ar Rayn	79.87 291	eP	P	17 19 44.2	+0.6
HLID	Hailey	79.89 45	eP	P	17 19 45.2	+1.2
HLID	Hailey	79.89 45	eP	P	17 19 45.4	+1.4
BIR	Birland	79.91 319	iP	P	17 19 45.2	+1.4
BIR	Birland	79.91 319	iP	P	17 19 45.2	+1.4
DLMT	Dillon	79.92 42	eP	P	17 19 45.2	+1.2
EGMT	Eagleton	79.92 39	eP	P	17 19 44.7	+0.8
EGMT	Eagleton	79.92 39	eP	P	17 19 44.8	+0.8
BR101	Keiskin Array S	79.99 311	eP	P	17 19 44.9	+0.3
BR131	Keiskin Array S	79.99 311	eP	P	17 19 44.4	-0.1
BR131	Keiskin Array S	79.99 311	eP	P	17 19 44.9	+0.3
BRTR	Keiskin Array B	79.99 311	P	P	17 19 44.9	+0.3
ODD1	Odda	80.03 337	eP	P	17 19 46.6	+0.4
BEL	Belsk	80.03 326	eP	P	17 19 45.1	+0.8
BEL	Belsk	80.03 326	eP	P	17 19 45.1	+0.8
ASK	Askoy	80.05 338	eP	P	17 19 44.8	+0.5
RYN	Ryn	8				

25d 17h

Table with columns for call sign, name, frequency, power, and other details. Includes entries like MPMC Manual Prospec, BORG Borgarnes, BGU Big Grassy Mou, etc.

2012 DEC

Table with columns for call sign, name, frequency, power, and other details. Includes entries like ALN Alexandroupoli, ALN Alexandroupoli, ALN Alexandroupoli, etc.

1252

Table with columns for call sign, name, frequency, power, and other details. Includes entries like GRA1 Grafenberg Arr, GRF Grafenberg Arr, GRFO Grafenberg, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DRO Drossia, VLI Veliai, VAM Vamos, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like K40A Colesburg, J41A Loganville, L39A Vinton, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KUR Kuril'sk, SHO Shikotan, YUK Yuzh-Kuril'sk, etc.

JMA 25 17:23:57.0, 7.46, 39N, 152.68E, h30km, M4.5
ISCJB 25 17:23:58.6, 0.5, 46:50N, 0.06:152.38E, 0.08, h52km,
mb3.7/10, MS2.7/2, Error ellipse: s-maj=11.0km
s-min=3.6km az=137.4
SKHL 25 17:23:58.7, 0.7, 46:40N, 152.59E, h66km, 2km, mb4.4/8
MOS 25 17:23:58.1, 1.1, 46:36N, 152.59E, h58km, mb4.3/7, Error
ellipse: s-maj=15.6km s-min=8.8km az=52.7
IDC 25 17:24:00.2, 0.9, 46:46N, 152.58E, h57km, 6km, mb3.5/11,
mb1.3, 8/15, mb1mx3.6/40, mb1mp3.9/15, MS2.9/4,
Ms1 2.9/4, Ms1mx2.6/42, Error ellipse: s-maj=24.8km
s-min=13.7km az=134.0
ISC 25 17:23:59.8, 0.7, 46:44N, 0.08:152.51E, 0.09, h52km, n79,

25d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSRS Korea Array, H1N12 WAKE ISLAND HY 29.14 151 T, etc.

PGC 25 17:35:45.7, 12.0, 50.02N, 130.04W, h10km, MLSn2.8/5, Mw3.5/5, Mw3.5/5, 201km 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 PACB Port Alice, BC, PHC Port Hardy, etc.

NNC 25 17:36:23.7, 3.5, 27.83N, 67.21E, h0km, mb5.0, Error ellipse: s-maj=45.5km s-min=30.6km az=6.0

ISCJB 25 17:36:28.3, 0.1, 28.38N, 0.02, 66.47E, 0.02, h16km, mb5.0/202, MS4, 2/45 Error ellipse: s-maj=3.0km s-min=2.1km az=1.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BHJ Bhuj, THW Thamme Wali, etc.

2012 DEC

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WSAR, WSKR, DHRM, SMDO, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KNDC Almaty, PRZ Przhval'sk, GUN Gumba, etc.

mb1 4.1/12, mb1mx3.8/51, mbtmp3.8/12, ML3.7/6, MS3.5/12, Ms1 3.5/12, ms1mx3.2/58, Error ellipse: s-maj=22.7km s-min=1.1km az=68.0
 PGC 25 17:39:26.0, 9.5, 50.13N:129.85W, h10km, mb4.1, ML3.3/16, MLsn3.3/16, Mw3.9/16, 183km Wsw of Pt Hardy, Bc Vancouver Island, Canada Region
 NEIC 25 17:39:26.0, 3.0, 50.21N:129.85W, h10km, mb4.1/62, Error ellipse: s-maj=8.0km s-min=3.1km az=53.0
 ISC 25 17:39:26.4, 0.50, 19N:0.06:129.75W:0.06, h11km, 28km, n249, r1945/246, mb4.3/14, MS3.6/4,

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PACB	Port Alice, BC	1.47	79	Op	17 39 50.0	-2.6
PACB	Port Alice, BC	1.47	79	Sn	17 40 09.6	-2.1
PHC	Port Hardy	1.57	70	Sn	17 39 53.0	-1.0
PHC	Port Hardy	1.57	70	Sb	17 40 12.5	-1.7
EDB	Eliza Dome	1.72	99	Pn	17 39 52.8	-3.4
TLCB	Telegraph Cove	1.90	78	Pn	17 39 57.1	-1.4
TLCB	Telegraph Cove	1.90	78	Sn	17 40 16.4	-6.1
TLCB	Telegraph Cove	1.90	78	Sg	17 40 23.1	-1.5
WOSS	Woss	2.04	89	Pn	17 39 59.2	-1.4
BBB	Bella Bella	2.05	89	Pn	17 40 02.9	-0.5
BBB	Bella Bella	2.05	89	Sn	17 40 31.1	0.0
BBB	Bella Bella	2.05	89	LR	17 41 04.3	
BBB	Bella Bella	2.25	27	Op	17 41 02.8	-0.6
BBB	Bella Bella	2.25	27	Pn	17 40 04.5	-0.7
NCRB	Newcastle Ridg	2.38	83	Pn	17 40 04.5	-0.7
GDR	Gold River	2.43	98	Pn	17 39 59.4	-6.5
HG3B	Hotspring	2.62	337	Pn	17 40 05.0	-3.5
ENB	Barry Inlet	2.70	333	Pn	17 40 03.4	-6.3
CBB	Campbell River	2.82	91	Pn	17 40 10.3	-1.0
CBB	Campbell River	2.82	91	Sn	17 40 44.1	-1.2
BTB	Buttle Lake	2.83	103	Pn	17 40 10.2	-1.3
BTB	Buttle Lake	2.83	103	Sn	17 40 44.6	-1.0
B927	Port Alberni	3.35	105	Sn	17 40 14.3	-3.36
TX6	Texada	3.46	96	Pn	17 40 20.1	0.0
DIB	Dawson Inlet	3.47	332	ePn	17 40 17.1	-3.0
DIB	Dawson Inlet	3.47	332	Pn	17 40 16.2	-3.9
HG2S1	DAWSON INLET T	3.47	332	Pn	17 40 17.9	-2.2
MGB	MOUNT GREY	3.50	108	Pn	17 40 18.7	-1.9
SHB	Secheht	3.84	97	Pn	17 40 03.5	-0.2
SHB	Secheht	3.84	97	Sn	17 41 11.5	+1.0
NLB	Nanaimo Lost L	3.86	102	Pn	17 40 25.2	-0.3
B926	Mesachie Lake	3.91	108	Pn	17 40 25.5	-0.7
RUBB	Prince Rupert	4.16	356	Pn	17 40 28.1	-1.6
LZB	MOUNT LAZAR	4.17	110	Pn	17 40 28.1	-1.6
OFR	Olym-F Res Ctr	4.17	110	Pn	17 40 28.1	-1.6
PGC	Sidney	4.39	108	ePn	17 40 32.8	0.0
B011	North Saanich	4.39	108	Pn	17 40 34.4	+1.6
NLWA	Neilton Lookou	4.79	123	ePn	17 40 37.3	-1.0
HDW	Hoodspout	5.09	117	Pn	17 40 42.9	+0.3
VDB	Vedder Mountai	5.10	100	Pn	17 40 42.9	+0.3
D03D	Eldon	5.13	119	Pn	17 40 43.1	+0.1
FSB	Fort Saint Jam	5.43	36	Pn	17 40 48.4	+1.2
JCW	Jim Creek	5.50	108	Pn	17 40 49.4	+1.3
RPW	Rockport	5.65	105	Pn	17 40 50.8	+0.6
CRG	Craig	5.74	340	ePn	17 40 51.9	+0.9
LOH	Longmire	6.30	120	ePn	17 41 00.2	+1.1
LOH	Longmire	6.30	120	Pn	17 40 60.0	+0.9
PNT	Penticton	6.62	94	Pn	17 41 01.6	-1.9
LTY	Liberty	6.68	113	ePn	17 41 05.1	+0.8
LTY	Liberty	6.68	113	Pn	17 41 05.1	+0.8
B08A	Colville Reser	7.05	101	ePn	17 41 09.7	+0.2
B08A	Colville Reser	7.05	101	Pn	17 41 09.8	+0.4
COR	Corvallis	7.10	140	ePn	17 41 10.8	+0.7
E07A	Sunnyside	7.52	115	ePn	17 41 15.6	-0.2
SIT	Sitka	7.64	336	ePn	17 41 17.1	-0.2
HAWA	Hanford	7.80	115	ePn	17 41 19.5	+0.4
D08A	Wollman Farm,	7.83	109	ePn	17 41 19.6	-0.4
F07A	Phinny Hill Vi	7.85	119	ePn	17 41 21.6	+1.2
G06A	Carlson Farm,	7.89	125	ePn	17 41 22.2	+1.3
C09A	Chrisman Ranch	7.91	103	ePn	17 41 22.6	+1.4
DLBC	Dease Lake	8.27	359	ePn	17 41 27.1	+1.0
DLBC	Dease Lake	8.27	359	Pn	17 41 26.9	+0.8
DLBC	Dease Lake	8.27	359	Pn	17 41 27.1	+1.0
NEW	Newport	8.48	98	Pn	17 41 28.4	-0.6
NEW	Newport	8.48	98	LR	17 44 47.4	
NEW	Newport	8.48	98	Pn	17 41 28.2	-0.8
NEW	Newport	8.48	98	Pn	17 41 29.6	+0.6
JIS	Juneau Island	8.55	343	ePn	17 41 31.1	+1.2
HUMO	Hull Mountain	8.91	146	ePn	17 41 36.6	+1.7
F10A	Beach Ranch, E	9.38	112	ePn	17 41 42.5	+1.1
FNB8	Fort Nelson	9.55	22	Pn	17 41 45.7	+2.1
YBH	Yreka Blue Hor	9.77	147	LR	17 44 52.5	
YBH	Yreka Blue Hor	9.77	147	Pn	17 41 50.1	+3.4
BMO	Blue Mountains	9.96	118	ePn	17 41 49.9	+0.5
JTMD	Jette	10.46	98	Pn	17 41 55.6	-0.5
FBMT	Ferry Basin	10.47	107	Pn	17 41 55.9	+0.6
MODC	Modoc Plateau	10.56	138	ePn	17 41 56.6	+0.8
SWMT	Swartz Lake	10.75	98	Pn	17 41 58.8	+0.9
WDC	Whiskeytown Da	10.82	150	ePn	17 42 03.0	+1.6
WHY	Whitewater	10.89	347	ePn	17 42 02.8	+0.8
MSO	Missoula	11.01	102	ePn	17 42 04.6	+0.9
HBMT	Mount Humburg	12.29	104	ePn	17 42 03.0	+0.2
HRV	Holter Researc	12.39	99	ePn	17 42 23.3	+0.7
HLID	Hailey	12.39	116	ePn	17 42 22.6	-0.1
DLMT	Dillon	12.50	106	ePn	17 42 21.9	-2.1
MCMT	McKenzie Canyo	12.61	109	ePn	17 42 25.7	0.0
WAX	Waxell Ridge	12.69	329	ePn	17 42 21.0	-5.4
PAHR	Pat Rih Range	12.72	141	ePn	17 42 19.4	+0.2
BMN	Battle Mountai	13.13	133	ePn	17 42 34.5	+1.8
EGMT	Eagleton	13.27	92	ePn	17 42 37.1	+2.5
YERR	Yerlington	13.45	142	ePn	17 42 38.5	+1.3
YHB	Horse Butte	13.66	106	ePn	17 42 39.5	-0.6
EYAK	Cordova Ski Ar	13.76	325	ePn	17 42 38.5	-2.5
YMR	Madison River	13.82	106	ePn	17 42 40.7	+2.2
ELK	Elko	13.86	127	ePn	17 42 49.3	-1.9
KVN	Kaiserville	13.86	139	ePn	17 42 48.2	-3.0
YFT	Old Faithful	14.04	107	ePn	17 42 46.5	+1.3
RYN	Ryan	14.04	141	ePn	17 42 48.4	+3.1
FYPT	Fitchstone Pla	14.29	104	ePn	17 42 50.1	+3.3
H17A	Grant Village	14.22	107	ePn	17 42 50.1	+2.4
LKWY	Lake	14.25	106	ePn	17 42 50.9	+2.4
NV01	Mina Array Sit	14.30	141	ePn	17 42 50.9	+2.0
NVAR	Mina Array Bea	14.30	141	Pn	17 42 49.6	+0.8
NVAR	Mina Array Bea	14.30	141	LR	17 48 09.2	
FLWY	Flagg Ranch	14.31	108	ePn	17 42 50.6	+1.7
FXWY	Fox Creek	14.35	110	ePn	17 42 52.8	+3.3
NV11	Mina Array Sit	14.35	110	ePn	17 42 53.2	+2.9
HVU	Hansel Valley	14.46	119	ePn	17 42 53.5	+2.5
MOOW	Moose Ponds	14.46	109	ePn	17 42 54.3	+3.3
TPAW	Teton Pass	14.48	110	ePn	17 42 53.3	+2.0
REDW	Red Top Meadow	14.61	111	ePn	17 42 57.9	-1.6
SNOW	Snow King Moun	14.62	110	ePn	17 42 56.5	-3.1
LOHW	Long Hollow	14.62	109	ePn	17 42 56.9	-2.7
RLMT	Red Lodge	14.62	102	Pn	17 42 59.8	-0.5
RLMT	Red Lodge	14.69	102	Pn	17 42 55.3	+1.2
AHID	Auburn Hatcher	14.81	113	ePn	17 42 58.5	+2.8
YKA	Yellowknife Ar	14.81	113	Pn	17 42 53.3	-2.8
YKBS	Yellowknife Ar	14.86	28	Pn	17 42 53.8	-2.3
YKW1	Yellowknife Ar	14.89	28	P	17 42 55.8	-0.7
BGU	Big Grassy Mou	14.90	122	ePn	17 43 00.5	-2.1
YKW3	Yellowknife Ar	14.91	28	ePn	17 42 59.1	+2.3
YKW3	Yellowknife Ar	14.91	28	P	17 42 56.3	-0.4
HWUT	Hardware Ranch	15.26	117	ePn	17 43 03.0	+1.3
KDAD	Kodiak Island	15.38	308	LR	17 47 13.6	
DUG	Dugway, Tooele	15.53	124	ePn	17 43 07.5	-2.1
DUG	Dugway, Tooele	15.53	124	P	17 43 08.0	-1.6
R11A	Troy Canyon, C	15.55	134	ePn	17 43 06.3	+0.7
R11A	Troy Canyon, C	15.55	134	P	17 43 05.2	-0.4
BW06	Boulder Array	15.73	110	ePn	17 43 10.3	-1.6

BW06	Boulder Array	15.73	110	Pn	17 43 08.6	+0.6
PD31	Pinedale Array	15.73	110	ePn	17 43 10.4	-1.5
PDAR	Pinedale Array	15.73	110	Pn	17 43 10.2	-1.7
PDAR	Pinedale Array	15.73	110	LR	17 48 50.2	
GRAR	Grapevine Rang	15.71	141	Pn	17 43 09.9	+2.0
GRAR	Grapevine Rang	15.71	141	Pn	17 43 09.9	-0.2
LAO	LASA Array	15.98	94	ePn	17 43 11.9	+1.0
LAO	LASA Array	15.98	94	Pn	17 43 10.9	0.0
JLU	Jordanelle	15.99	120	ePn	17 43 12.2	+0.9
NLU	North Lily Min	16.10	123	ePn	17 43 16.1	+0.1
CWC	Cottonwood Cre	16.12	144	P	17 43 13.1	+0.2
PSUT	Pine Spring	16.23	130	P	17 43 17.4	-0.1
SUA	Susitna One	16.24	322	ePn	17 43 15.8	-1.5
TPNV	Topopah Spring	16.42	139	ePn	17 43 18.3	-1.2
TPNV	Topopah Spring	16.42	139	Pn	17 43 17.6	+1.0
DAR	Darwin (Calif)	16.45	143	ePn	17 43 20.1	+0.2
EYK	Eagle Plains	16.62	350	Pn	17 43 18.8	-0.2
ISA	Isabella, Lake	16.67	146	ePn	17 43 21.2	-0.9
ISA	Isabella, Lake	16.67	146	P	17 43 21.0	-1.1
MPMC	Manual Prospe	16.68	143	P	17 43 21.1	+1.0
ARVC	Arvin	17.03	148	P	17 43 26.1	0.0
LRMC	Laurel Mtn Rad	17.12	145	P	17 43 25.8	+0.3
P17A	Butcher Ranch,	17.17	121	ePn	17 43 28.6	+0.8
ILAR	Elision Array	17.19	335	P	17 43 28.5	+0.9
ILAR	Elision Array	17.19	335	LR	17 49 09.8	
ILB	Elise Array	17.19	335	ePn	17 43 28.1	+0.5
CCUT	Cedar City	17.24	131	ePn	17 43 29.1	+0.5
SHRP	Sheep Range	17.26	137	ePn	17 43 28.0	+0.7
Q16A	Castle Valley	17.33	123	ePn	17 43 29.3	-0.3
SZCU	Shurtz Canyon	17.34	130	ePn	17 43 30.3	+0.5
MTPU	Mont Pierson	17.45	127	ePn	17 43 31.5	+0.4
FFC	Flin Flon	17.46	64	Pn	17 43 33.0	+2.2
OSI	Osito Audit: C	17.53	148	ePn	17 43 32.4	+0.7
SRU	San Rafael Swe	17.54	122	ePn	17 43 32.0	+1.1
GSC	Goldstone, Bar	17.61	143	P	17 43 33.0	+0.4
K22A	Casper	17.65	106	ePn	17 43 34.0	+1.0
K22A	Casper	17.65	106	P	17 43 32.6	-0.4
LCMT	Little Creek M	17.73	132	ePn	17 43 34.6	+0.7
PKCU	Pink Cliffs	17.84	129	ePn	17 43 36.0	+0.5
TUQ	Turquoise Moun	17.85	140	Pn	17 43 34.3	-0.3
KNB	Kanab	17.93	131	ePn	17 43 37.0	+0.8
SVW2	Sparrevohn	18.08	317	ePn	17 43 35.0	-2.2
O20A	White River C	18.13	115	ePn	17 43 40.2	+1.8
HEC	Hector Ludlow	18.21	142	Pn	17 43 38.6	-0.3
FYU	Fort Yukon	18.23	340	ePn	17 43 41.0	+1.9
INK	Inuvik	18.27	356	P	17 43 41.7	+2.1
INK	Inuvik	18.27	356			

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ZKR Zakros, ZKR Heraklion, SIVA Sivas, ANAF Anafi Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BRTR Keskin Array B, MMAI Mount Euron Ar, EIL Elat, etc.

IDC 25 19:11:36.0±2.2, 0.71N, 126.55E, h0km, mb3.1/3, mb1 3.3/3, mb1mx3.2/40, mbtmtp3.1/3, Error ellipse: s-maj=214.9km s-min=25.6km az=65.0, Northern Molucca Sea

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

MEX 25 19:17:37.4±0.9, 16.34N, 98.42W, h2km, MD3.6, Near 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 Tlapa, VHO Vista Hermosa, etc.

ISCJB 25 19:18:27.4±0.3, 6.13S, 0.03±29.70E, h0km, mb4.2/3, MS3.2/1, Error ellipse: s-maj=7.2km s-min=4.9km az=13.5

IDC 25 19:18:27.0±0.8, 6.07S, 29.63E, h0km, mb4.0/12, mb1 4.1/7, mb1mx3.9/46, mbtmtp4.0/17, ML2.9/3, MS3.3/4, MS1 3.3/4, ms1mx2.9/35, Error ellipse: s-maj=23.9km s-min=14.9km az=106.0

NEIC 25 19:18:29.0±0.3, 6.13S, 29.71E, h10km, mb4.7/17, Error ellipse: s-maj=8.3km s-min=5.6km az=107.0

ISC 25 19:18:29.1±0.5, 6.14S, 0.04±29.81E, h0km, n70, s182/79, mb4.4/23, Lake Tanganyika region

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

ISCJB 25 19:18:29.0±0.3, 6.13S, 29.71E, h10km, mb4.7/17, Error ellipse: s-maj=8.3km s-min=5.6km az=107.0

ISC 25 19:18:29.1±0.5, 6.14S, 0.04±29.81E, h0km, n70, s182/79, mb4.4/23, Lake Tanganyika region

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

ISCJB 25 19:18:29.0±0.3, 6.13S, 29.71E, h10km, mb4.7/17, Error ellipse: s-maj=8.3km s-min=5.6km az=107.0

ISC 25 19:18:29.1±0.5, 6.14S, 0.04±29.81E, h0km, n70, s182/79, mb4.4/23, Lake Tanganyika region

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

ISCJB 25 19:18:29.0±0.3, 6.13S, 29.71E, h10km, mb4.7/17, Error ellipse: s-maj=8.3km s-min=5.6km az=107.0

ISC 25 19:18:29.1±0.5, 6.14S, 0.04±29.81E, h0km, n70, s182/79, mb4.4/23, Lake Tanganyika region

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

ISCJB 25 19:18:29.0±0.3, 6.13S, 29.71E, h10km, mb4.7/17, Error ellipse: s-maj=8.3km s-min=5.6km az=107.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MDT Midlett, KIV Kislovodsk, MLR Monte Rosu, etc.

ISCJB 25 19:28:09.5±0.5, 28.99N, 139.61E, h495km, mb3.4/12, Error ellipse: s-maj=16.3km s-min=6.9km az=155.1

JMA 25 19:28:09.5±0.1, 29.04N, 139.61E, h495km, mb3.1/12, mb1 3.2/14, mb1mx3.0/37, mbtmtp3.9/14, Error ellipse: s-maj=27.6km s-min=11.2km az=83.0

ISC 25 19:28:10.8±2.1, 28.94N, 139.26E, h487km, mb3.9/14, Error ellipse: s-maj=15.0km s-min=6.9km az=155.1

ISC 25 19:28:10.8±2.1, 28.94N, 139.26E, h487km, mb3.9/14, Error ellipse: s-maj=15.0km s-min=6.9km az=155.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CBJJ Chichi jima, CBIJ Haha-jima-NKT, etc.

ISCJB 25 19:28:09.5±0.5, 28.99N, 139.61E, h495km, mb3.4/12, Error ellipse: s-maj=16.3km s-min=6.9km az=155.1

JMA 25 19:28:09.5±0.1, 29.04N, 139.61E, h495km, mb3.1/12, mb1 3.2/14, mb1mx3.0/37, mbtmtp3.9/14, Error ellipse: s-maj=27.6km s-min=11.2km az=83.0

ISC 25 19:28:10.8±2.1, 28.94N, 139.26E, h487km, mb3.9/14, Error ellipse: s-maj=15.0km s-min=6.9km az=155.1

ISC 25 19:28:10.8±2.1, 28.94N, 139.26E, h487km, mb3.9/14, Error ellipse: s-maj=15.0km s-min=6.9km az=155.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CBJJ Chichi jima, CBIJ Haha-jima-NKT, etc.

ISCJB 25 19:28:09.5±0.5, 28.99N, 139.61E, h495km, mb3.4/12, Error ellipse: s-maj=16.3km s-min=6.9km az=155.1

JMA 25 19:28:09.5±0.1, 29.04N, 139.61E, h495km, mb3.1/12, mb1 3.2/14, mb1mx3.0/37, mbtmtp3.9/14, Error ellipse: s-maj=27.6km s-min=11.2km az=83.0

ISC 25 19:28:10.8±2.1, 28.94N, 139.26E, h487km, mb3.9/14, Error ellipse: s-maj=15.0km s-min=6.9km az=155.1

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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 CBJJ Chichi jima, CBIJ Haha-jima-NKT, etc.

ISCJB 25 19:28:09.5±0.5, 28.99N, 139.61E, h495km, mb3.4/12, Error ellipse: s-maj=16.3km s-min=6.9km az=155.1

JMA 25 19:28:09.5±0.1, 29.04N, 139.61E, h495km, mb3.1/12, mb1 3.2/14, mb1mx3.0/37, mbtmtp3.9/14, Error ellipse: s-maj=27.6km s-min=11.2km az=83.0

ISC 25 19:28:10.8±2.1, 28.94N, 139.26E, h487km, mb3.9/14, Error ellipse: s-maj=15.0km s-min=6.9km az=155.1

ISC 25 19:28:10.8±2.1, 28.94N, 139.26E, h487km, mb3.9/14, Error ellipse: s-maj=15.0km s-min=6.9km az=155.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CBJJ Chichi jima, CBIJ Haha-jima-NKT, etc.

ISCJB 25 19:28:09.5±0.5, 28.99N, 139.61E, h495km, mb3.4/12, Error ellipse: s-maj=16.3km s-min=6.9km az=155.1

JMA 25 19:28:09.5±0.1, 29.04N, 139.61E, h495km, mb3.1/12, mb1 3.2/14, mb1mx3.0/37, mbtmtp3.9/14, Error ellipse: s-maj=27.6km s-min=11.2km az=83.0

ISC 25 19:28:10.8±2.1, 28.94N, 139.26E, h487km, mb3.9/14, Error ellipse: s-maj=15.0km s-min=6.9km az=155.1

ISC 25 19:28:10.8±2.1, 28.94N, 139.26E, h487km, mb3.9/14, Error ellipse: s-maj=15.0km s-min=6.9km az=155.1

Table with columns: RA, Dec, Name, Az, El, Type, Res. Includes stations like RAO, RIZ, RAOUL, etc.

Table with columns: Code, Station Name, Az, El, Phase, Time, Res. Includes stations like MORW, QSPA, SYO, etc.

Table with columns: Code, Station Name, Az, El, Phase, Time, Res. Includes stations like PYUN, WRA, YKA, etc.

25d 22h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like RDO Rodhopi, DOPR Dopca, ARG Arkhangelos, etc.

2012 DEC

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like LAST Lasithi, LIT Litokhoron, VILL Villia, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like IGT Igoimenitsa, IDID Idiziasalis, TPE Tepelena, etc.

TIP	Timpagrande	18.61 268	eP	P	22 48 50.4	-0.1
TIP	Timpagrande	18.61 268	iP	Pn	22 48 50.9	+0.1
ARSA	Arzberg	18.64 294	iPn	Pn	22 48 51.4	+0.2
comp-Z,225nm,1.4s						
DPC	Dobruska-Polom	18.69 303	eP	P	22 48 51.6	-0.1
DPC			eS	sP	22 49 04.5	+7.6
DPC			eP	S	22 52 22.9	-0.9
DPC			eS	AMS	22 58 10.0	
DPC	Dobruska-Polom	18.69 303	eP	P	22 48 51.6	-0.1
DPC			eP	MLR		
comp-Z,4µm,13.3s						
KSP	Ksiaz	18.84 305	eP	Pn	22 48 53.1	-0.4
KSP			eS	S	22 52 26.0	-0.8
KSP	Ksiaz	18.84 305	eP	Pn	22 48 53.1	-0.4
KSP			eS	S	22 52 26.0	-0.8
PERS	Pernice	18.87 292	eP	Pn	22 48 55.0	+1.1
PERS	Pernice	18.87 292	eP	Pn	22 48 55.0	+1.1
UPC	Ualice	18.92 304	eP	Pn	22 48 55.1	+0.6
UPC			eS	AMS	22 59 40.0	
comp-Z,3µm,17.7s						
UPC	Ualice	18.92 304	eP	Pn	22 48 55.1	+0.6
UPC			eS	MLR		
comp-Z,3µm,17.7s						
SOKA	Sobotko	18.93 292	iPn	Pn	22 48 54.8	+0.1
TREC	Trest	18.97 300	eP	Pn	22 48 56.7	+1.6
TREC			eS	S	22 52 31.1	+1.7
TREC			eS	AMS	22 56 00.0	
comp-Z,3µm,16.0s						
TREC	Trest	18.97 300	eP	Pn	22 48 56.7	+1.6
TREC			eS	MLR		
comp-Z,3µm,16.0s						
CUC	Castrociucco	19.07 271	eP	Pn	22 48 57.3	+0.9
SVE	Sverdlouvs	19.10 340	eP	P	22 48 53.6	-2.2
SVE			eS	Pn	22 52 21.8	-8.4
SVE			eS	pmax		
comp-Z,274nm,0.9s						
SVE			eS	MLR		
comp-Z,3µm,13.0s						
GKP	Gorka Klasztor	19.16 313	eP	P	22 48 56.1	-0.3
GKP			e	P	22 48 58.6	
GKP	Gorka Klasztor	19.16 313	eP	P	22 48 56.1	-0.3
GKP			eP	P	22 48 57.1	-0.6
RAYN	Ar Rayn	19.25 167	iP	P	22 48 57.8	+0.1
RAYN			eP	P	22 48 57.1	-0.6
RAYN	Ar Rayn	19.25 167	eP	P	22 48 57.1	-0.6
RAYN			eP	pmax		
comp-Z,119nm,1.5s						
LJU	Ljubljana	19.25 290	eP	Pn	22 48 58.5	0.0
OBKA	Obir	19.25 291	iPn	Pn	22 48 59.1	+0.5
comp-Z,72nm,1.7s,SNR=13						
SLIT	Slitere, Latvi	19.25 328	eP	P	22 48 53.8	-3.6
SLIT			eP	IAMB	22 49 05.1	
comp-Z,2µm,1.2s						
RIY	Rijeka	19.28 288	eP	P	22 48 57.9	+0.1
CEY	Cerznica	19.32 289	eP	P	22 48 58.2	-0.1
PRGR	Permogore	19.41 71	iP	P	22 48 56.5	-2.6
PRGR			eS	S	22 52 39.9	+1.8
PRGR			eS	pmax		
comp-Z,652nm,1.5s						
GOPC	GO Pecny, Ondr	19.54 301	eP	Pn	22 49 01.6	-0.4
GOPC			eS	Sn	22 52 40.7	-0.3
GOPC			eS	AMS	22 58 10.0	
comp-Z,4µm,16.5s						
GOPC	GO Pecny, Ondr	19.54 301	eP	Pn	22 49 01.6	-0.4
GOPC			eS	MLR	22 52 40.7	-0.3
comp-Z,4µm,16.5s						
CEL	Celeste	19.55 266	eP	Pn	22 49 02.5	+0.4
comp-Z,188nm,0.9s						
MOA	Molin	19.55 295	iPn	Pn	22 49 01.8	-0.3
comp-Z,28nm,1.3s,SNR=6.3						
PRU	Pruhonic	19.71 302	eP	Pn	22 49 03.5	-0.5
PRU			eS	S	22 52 39.9	-4.4
PRU			eS	AMS	22 56 20.0	
comp-Z,4µm,15.6s						
PRU	Pruhonic	19.71 302	eP	Pn	22 49 03.5	-0.5
PRU			eS	MLR	22 52 39.9	-4.4
comp-Z,4µm,15.6s						
TRI	Trieste	19.79 289	eP	Pn	22 49 04.8	-0.1
TRI			eP	Pn	22 49 04.8	-0.1
TRI	Trieste	19.79 289	eP	Pn	22 49 04.8	-0.1
TRI			eP	pmax		
comp-Z,221nm,1.4s						
PRA	Prague	19.80 302	eP	Pn	22 49 07.6	+2.6
PRA			eS	AMS	22 58 20.0	
comp-Z,4µm,14.7s						
PRA	Prague	19.80 302	eP	Pn	22 49 07.6	+2.6
PRA			eP	MLR		
comp-Z,4µm,14.7s						
CADS	Cadgr	19.81 290	eP	Pn	22 49 04.5	-0.7
CADS			eP	Pn	22 49 04.5	-0.7
PVCC	Panska Ves	19.82 303	eP	Pn	22 49 05.3	+0.3
PVCC			eP	S	22 49 14.9	+5.6
PVCC			eS	S	22 52 44.9	+1.5
PVCC			eS	AMS	22 59 00.0	
comp-Z,3µm,14.9s						
PVCC	Panska Ves	19.82 303	eP	Pn	22 49 05.3	+0.3
PVCC			eS	MLR	22 52 44.9	-1.5
PVCC			eS	MLR		
comp-Z,3µm,14.9s						
MYKA	Terra Mystica	19.89 291	iP	P	22 49 05.0	+0.5
comp-Z,46nm,0.9s,SNR=10						
GEAO	GERESS Array S	20.05 298	eP	Pn	22 49 07.4	-0.7
GE2C	GERESS Array S	20.05 298	eP	Pn	22 49 08.1	0.0
comp-Z,136nm,1.0s						
GE2C	GERESS Array S	20.05 298	eP	Pn	22 49 08.1	0.0
GE2C			eP	pmax		
comp-Z,136nm,1.0s						
GERES	GERESS Array B	20.05 298	eP	Pn	22 49 07.2	-0.9
comp-Z,72nm,0.9s,baz=104,slow=9.7,SNR=168						
GERES			eP	LR	23 00 10.7	
comp-Z,2µm,18.3s,baz=97,slow=47						
KBA	Koelnbreinsper	20.11 293	iPn	Pn	22 49 08.5	-0.4
comp-Z,194nm,0.9s,SNR=64						
KHC	Kasperske Hory	20.17 299	eP	Pn	22 49 08.7	-0.8
KHC			eP	Pn	22 49 08.7	-0.8
KHC	Kasperske Hory	20.17 299	eP	Pn	22 49 08.7	-0.8
KHC			eP	sP	22 49 14.0	+0.9
KHC			eS	x	22 49 35.0	
KHC			eS	S	22 52 50.3	-3.3
KHC			eS	AMS	22 59 40.0	
comp-Z,3µm,13.6s						
KHC	Kasperske Hory	20.17 299	eP	Pn	22 49 08.7	-0.8
KHC			e	P	22 49 14.0	
KHC			e	P	22 49 35.0	
KHC			eS	S	22 52 50.3	-3.3
KHC			eS	MLR		
comp-Z,3µm,13.6s						
BRG	Berggiesshubel	20.29 304	iP	Pn	22 49 09.7	-1.1
comp-Z,47nm,1.0s						
BRG			eP	Pn	22 49 29.7	+4.3
BRG			eS	S	22 52 58.0	-0.9
comp-Z,3µm,14.2s						
BRG	Berggiesshubel	20.29 304	iP	Pn	22 49 09.7	-1.1
BRG			eP	Pn	22 49 29.7	
BRG			eS	S	22 52 58.0	-0.9
BRG			eS	pmax		
comp-Z,47nm,1.0s						
BRG			eP	MLR		
BRG			eP	MLR		
comp-Z,3µm,14.2s						
BRG			eP	MLR		
BRG			eP	MLR		
comp-N,5µm,17.3s						
BRG			eP	MLR		
comp-E,3µm,17.3s						
BRG	Berggiesshubel	20.29 304	iP	Pn	22 49 09.7	-1.1
BRG			eP	Pn	22 49 29.7	
BRG			eS	S	22 52 58.0	-0.9
BRG			eS	pmax		
comp-Z,47nm,1.0s						
BRG			eP	MLR		
BRG			eP	MLR		
comp-Z,3µm,14.2s						
BRG			eP	MLR		
BRG			eP	MLR		
comp-N,5µm,17.3s						
BRG			eP	MLR		
comp-E,3µm,17.3s						
AQU	L'Aquila	20.34 279	eP	Pn	22 49 11.2	-0.3
AQU			eP	Pn	22 49 11.2	-0.3
AQU	L'Aquila	20.34 279	eP	Pn	22 49 11.2	-0.3
AQU			eP	pmax		
comp-Z,279nm,1.0s						
AQU	L'Aquila	20.34 279	eP	Pn	22 49 11.2	-0.3
AQU			eP	Pn	22 49 11.0	-0.5
AQU	SHME	20.56 138	iP	P	22 49 11.7	-0.3
SNR=18						
ABTA	Abfaltersbach	20.67 292	iPn	Pn	22 49 14.2	-1.1
comp-Z,63nm,1.0s,SNR=29						
BANOM	Banah	20.74 138	P	P	22 49 14.0	+0.1
SNR=36						
BANOM	Banah	20.74 138	iP	P	22 49 13.4	-0.5
SNR=40						
UMQ	Umm Al-Quwin	20.76 140	iP	P	22 49 14.2	+0.2
SNR=10						
VAE	Valguarnera	20.92 265	P	P	22 49 16.3	+0.5
comp-Z,116nm,1.2s,baz=68,slow=3.2,SNR=16						
CLL	Collin	20.97 305	eP	Pn	22 49 17.8	-0.9
comp-Z,160nm,0.9s						
CLL	Collin	20.97 305	iP	Pn	22 49 18.1	-0.6
comp-Z,113nm,0.9s						
CLL			ePmax	sP	22 49 21.0	
comp-Z,186nm,1.0s			iP	S	22 49 22.3	+1.1
CLL			ePPP	PPP	22 49 44.0	
CLL			e(S)	S	22 53 00.0	-1.2
CLL			e(S)	S	22 53 00.0	-1.2
CLL			LmV	S	23 00 00.0	
comp-Z,2µm,19.3s						
CLL	Collin	20.97 305	iP	Pn	23 00 00.0	
CLL			iP	S	22 49 18.1	-0.6
CLL			eS	S	22 49 22.8	
CLL			eS	pmax	22 53 08.0	-1.2
comp-Z,113nm,0.9s						
CLL			ePmax	MLR		
comp-Z,2µm,19.3s						
FINES	FINES Array B	21.02 340	P	P	22 49 15.8	-0.7
comp-Z,108nm,0.6s,baz=148,slow=14,SNR=66						
FINES			S	S	22 52 58.1	-1.2
comp-Z,16nm,0.5s,baz=142,slow=23,SNR=2.7						
FIAT	FINES Array S	21.02 340	eP	P	22 49 16.0	-0.5
NKC	Novy Kostel	21.08 301	eP	P	22 49 19.2	+1.8
NKC			eS	S	22 53 12.2	+0.6
NKC			eS	AMS	22 59 00.0	
comp-Z,3µm,15.2s						
NKC	Novy Kostel	21.08 301	eP	P	22 49 19.2	+1.8
NKC			eS	S	22 53 12.2	+0.6
NKC			eS	MLR		
comp-Z,3µm,15.2s						
CHM	Chimkent	21.10 81	iP	P	22 49 17.9	+0.2
comp-Z,115nm,0.8s						
CHM			eS	S	22 53 14.6	+2.5
MSFE	Esma-Masafi	21.14 139	iP	P	22 49 18.4	+0.1
SNR=27						
NAZ	Nazwa, Dubai	21.22 141	P	P	22 49 19.2	+0.2
SNR=25						
NAZ	Nazwa, Dubai	21.22 141	iP	P	22 49 18.9	-0.1
SNR=54						
MDH	Madha	21.26 139	iP	P	22 49 19.0	-0.5
SNR=24						
AJN	Ajban	21.27 143	iP	P	22	

25d 22h

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like KURK, TDK, CKFL, DFB, etc.

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Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like WMQ, PAB, PAB, PAB, etc.

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Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like MBAR, SHL, TOAO, TOR, etc.

Table with columns: YAK, comp, MLR, MLR, and numerical values. Rows include stations like TULEG, DBIC, TIC, CHTO, CMAR, LAMP, BJI, BJT, ENH, GYA, ZEA, UMPA, UTHA, PBKT, SRDT, TIA, NONG, PHET, WHN, LSZ, CN2, SRAK, RES, KLR, NJ2, MDJ, ABPO, GRNR, SEY, QIZ, MCK, QIZ.

Table with columns: QIZ, comp, LR, LR, and numerical values. Rows include stations like QIZ, BILL, USRK, MA2, KSO1, KS15, KSAR, KSAR, KSRS, GSI, TSUM, IPM, SCHO, SCHQ, YSS, YSS, RDOG, LBTB, LBTB, GBN, INK, INK, HAL, HAL, COLD, PETK, ERM, ERM, PET, MAJO, MAJO, MJAR, MJAR, FYU, IM3, SKR, SKR, SKR, EPYK, BOSB, BOSB, MLY, FCC, FCC, POKR, MDM, COLA, COLA, COLA, PKME, IL1, ILAR, ILAR, ILB, EGAK, EGAK, WRH, HDA, BPWA, YKW3, YKA, YKA, YKA, YKBW, SCRK, MCK, MCK, MCK.

Table with columns: CAST, TRF, DOT, MOQ, PPLA, PAX, PAX, LBNH, SKT, D53A, GHO, SML, SML, SML, SCM, SCM, E54A, F55A, SVW2, HRV, PMR, PMR, PUA, D52A, E53A, KLU, D51A, RC01, G55A, E52A, SUR, H56A, E51A, H55A, F52A, D48A, E50A, F51A, G53A, I55A, D47A, E48A, FFC, FFC, D46A, F49A, E47A, I52A, K55A, E46A, N59A, E45A, KDAK, KDAK, I51A, F46A, J52A, F45A, E43A, E43A, ULM, ULM, ULM, ULM, F44A, ERPA, GLMI, ADK, ADK, SSPA, SSPA, E42A, EYMN, EYMN, EYMN, F43A, M54A, H46A, N55A, I47A, O56A, J48A.

25d 22h

DAV	DAV	DAVO City (W)	81.29	88	PFAKE	LR	22 57 00.0 +10
DAV	DAV	DAVO City (W)	81.29	88	LR	LR	22 57 00.0 +10
COWI	CONO	comp-Z,620nm,19.0s	81.30	327	eP	P	22 56 50.3 +0.9
COWI	COWI	comp-Z,42nm,1.5s			LR	LR	
E40A	Wakefield	comp-Z,1µm,19.0s	81.32	328	P	P	22 56 49.6 +0.1
K49A	Clarkson	baz=34	81.54	322	P	P	22 56 50.0 -0.6
O55A	Ligonier	baz=38	81.57	318	P	P	22 56 50.2 -0.6
F41A	Three Lakes	baz=40	81.59	327	eP	P	22 56 52.1 +1.2
F31A	Three Lakes	comp-Z,31nm,1.3s	81.59	327	P	P	22 56 50.8 -0.1
E49A	Mellen	baz=34,SNR=6.9	81.63	328	P	P	22 56 51.6 +0.5
E38A	The Farm, Brul	baz=33	81.83	329	P	P	22 56 50.6 -1.5
K48A	Perry	baz=38	81.83	323	P	P	22 56 52.1 -0.1
AGMN	AGASSIZ	comp-Z,14nm,1.0s	81.94	333	eP	P	22 56 52.7 0.0
AGMN	AGMN	comp-Z,2µm,20.0s			LR	LR	
AGMN	AGASSIZ	comp-Z,2µm,20.0s	81.94	333	P	P	22 56 51.4 -1.3
AAM	Ann Arbor	baz=31	82.02	322	PFAKE	LR	22 57 00.0 +6.8
AAM	AAM	comp-Z,606nm,19.0s			LR	LR	
G41A	Antigo	baz=35	82.05	327	P	P	22 56 52.4 -1.0
CBN	Corbin Frederi	baz=35	82.11	316	PFAKE	LR	22 57 10.0 +16
CBN	CBN	comp-Z,717nm,19.0s			LR	LR	
CBN	Corbin Frederi	baz=41	82.11	316	P	P	22 56 53.1 -0.6
O54A	Avella	baz=40	82.12	319	P	P	22 56 54.0 +0.2
F39A	Loretta	baz=34	82.16	328	P	P	22 56 53.7 -0.1
L49A	Milan	baz=38	82.22	322	P	P	22 56 54.4 +0.2
MCWV	Mont Chateau	baz=40	82.26	318	P	P	22 56 53.6 -0.9
K47A	Vermontville	baz=37	82.33	323	P	P	22 56 54.7 -0.1
H42A	Shiocton	baz=35	82.36	326	P	P	22 56 53.4 -1.5
P55A	Reedsville	baz=40	82.36	318	P	P	22 56 53.3 -1.8
G40A	Rib Lake	comp-Z,26nm,1.0s	82.41	328	eP	P	22 56 56.3 +1.1
G40A	Rib Lake	baz=34	82.41	328	P	P	22 56 54.3 -1.0
O53A	New Philadelph	baz=35	82.47	319	P	P	22 56 55.5 -0.1
F38A	Pierce - Schro	baz=33,SNR=6.2	82.49	329	P	P	22 56 55.4 -0.1
L48A	N Adams	baz=37	82.65	322	P	P	22 56 54.2 -2.4
H41A	Junction City	baz=34	82.73	327	P	P	22 56 54.5 -2.4
G39A	Holcombe	baz=34	82.78	328	P	P	22 56 56.2 -0.9
M49A	Liberty Center	baz=38	82.81	322	P	P	22 56 56.7 -0.6
O52A	Adamsville	baz=39	82.87	319	P	P	22 56 57.1 -0.6
Q55A	Buckhannon	baz=40	82.88	318	P	P	22 56 57.4 -0.4
F37A	Hinrichs Farm,	baz=33	82.97	329	P	P	22 56 58.3 +0.2
L47A	Sherwood	baz=37	82.97	323	P	P	22 56 57.5 -0.6
N50A	Nevada	baz=38	82.98	321	P	P	22 56 57.9 -0.3
H40A	Chill	baz=34	83.02	327	P	P	22 56 58.3 -0.1
H42A	Draeger Farm,	baz=35	83.02	326	P	P	22 56 58.0 -0.4
M48A	Edgerton	baz=37	83.14	322	P	P	22 56 59.3 +0.2
P53A	Whipple	baz=39	83.15	319	P	P	22 56 59.1 -0.1
O51A	Pataskala	baz=36	83.22	320	P	P	22 56 59.4 -0.1
I41A	Arkdale	baz=34	83.28	327	P	P	22 56 59.9 +0.2
H39A	Augusta	baz=33	83.33	328	P	P	22 57 00.7 +0.7
ACSO	Alum Creek Sta	baz=33	83.33	320	PFAKE	LR	22 57 10.0 +10
ACSO	ACSO	comp-Z,471nm,19.0s			LR	LR	
ACSO	Alum Creek Sta	baz=38	83.33	320	P	P	22 57 00.6 +0.5
N49A	Columbus Grove	comp-Z,38nm,1.0s	83.35	321	eP	P	22 57 01.1 +1.0
N49A	Columbus Grove	baz=37	83.35	321	P	P	22 56 59.8 -0.3
P52A	Corning	baz=39	83.39	319	P	P	22 57 00.0 -0.3
SPMN	Marine on St.	baz=32	83.46	329	P	P	22 57 00.5 -0.1
MDND	Madlock	baz=28	83.57	335	P	P	22 57 01.0 -0.1
J42A	Columbus	baz=35	83.58	326	P	P	22 57 01.2 -0.1
M47A	Cromwell	baz=37	83.65	323	P	P	22 57 01.3 -0.4
O50A	Cable	baz=38	83.70	321	P	P	22 57 01.3 -0.7
I40A	Norwalk	baz=34	83.72	327	P	P	22 57 00.2 -1.8
H38A	Madison Rock	baz=33	83.72	328	P	P	22 57 01.6 -0.4
N48A	Decatur	baz=37	83.78	322	P	P	22 57 02.0 -0.4
J41A	Loganville	baz=34	83.91	326	P	P	22 57 03.4 +0.5
M46A	Old House Fiel	baz=36	83.94	323	P	P	22 57 01.4 -1.8
P51A	Williamsport	baz=38	83.96	320	P	P	22 57 02.4 -0.9
Q52A	Bidwell	baz=38	83.98	319	P	P	22 57 04.5 +1.1
O49A	Covington	comp-Z,92nm,1.4s	84.00	321	eP	P	22 57 04.0 +0.5
O49A	Covington	baz=37	84.00	321	P	P	22 57 04.0 +0.5
I39A	Houston	baz=33	84.11	328	P	P	22 57 03.0 -1.0
J40A	Soldiers Grove	baz=34	84.18	327	P	P	22 57 04.2 -0.1
P50A	Jamestown	baz=38	84.21	320	P	P	22 57 04.8 +0.2
RCBR	Riachuelo	comp-Z,40µm,21.0s	84.30	257	PFAKE	LR	22 57 20.0 +15
RCBR	RCBR	comp-Z,40µm,21.0s			LR	LR	
O48A	Farmland	baz=37	84.32	322	P	P	22 57 04.2 -0.9
L43A	Garden Prairie	baz=35	84.35	325	P	P	22 57 03.7 -1.5
JFWS	Jewell Farm	comp-Z,28nm,1.0s	84.38	326	eP	P	22 57 05.9 +0.5
JFWS	JFWS	comp-Z,980nm,19.0s			LR	LR	
JFWS	Jewell Farm	baz=38	84.38	326	eP	P	22 57 05.9 +0.5
JFWS	JFWS	comp-Z,28nm,1.0s			MLR	MLR	
JFWS	JFWS	comp-Z,980nm,19.0s			MLR	MLR	
JFWS	Jewell Farm	baz=34	84.38	326	P	P	22 57 05.5 +0.2
DGMT	Dagmar	comp-Z,1µm,21.0s	84.39	338	PFAKE	LR	22 57 20.0 +15
DGMT	DGMT	comp-Z,1µm,21.0s			LR	LR	
DGMT	Dagmar	baz=25	84.39	338	P	P	22 57 05.5 +0.1
BLA	Blacksburg	comp-Z,845nm,21.0s	84.42	317	PFAKE	LR	22 57 20.0 +14
BLA	BLA	comp-Z,845nm,21.0s			LR	LR	
BLA	Blacksburg	baz=39	84.42	317	P	P	22 57 05.1 -0.7
Q51A	Peebles	baz=38	84.45	320	P	P	22 57 06.9 +1.0

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N46A	Monticello	baz=36	84.53	323	P	P	22 57 06.1 -0.1
CNNC	Cliffs of the	comp-Z,898nm,21.0s	84.62	314	PFAKE	LR	22 57 20.0 +13
CNNC	CNNC	comp-Z,898nm,21.0s			LR	LR	
J39A	Decorah	baz=33,SNR=5.6	84.62	327	P	P	22 57 06.2 -0.4
R52A	Shullsburg	baz=34	84.66	319	P	P	22 57 08.2 +1.3
K41A	Callletsburg	baz=38	84.66	326	P	P	22 57 07.0 +0.2
P49A	Miami Univ. Ec	baz=34	84.70	321	P	P	22 57 06.1 -0.9
O47A	Sheridan	baz=36	84.81	322	P	P	22 57 07.5 -0.1
L42A	Oliver, Polo	baz=37	84.89	325	P	P	22 57 07.9 -0.1
Q50A	Georgetown	baz=37	84.90	320	P	P	22 57 08.3 +0.2
K40A	Colesburg	baz=35	84.92	327	P	P	22 57 07.4 -0.7
M43A	Walham Townsh	baz=35	85.06	325	P	P	22 57 07.8 -1.0
P48A	Milroy	baz=37	85.08	321	P	P	22 57 08.6 -0.4
KAPI	Kappang	comp-Z,296nm,22.0s	85.11	101	PFAKE	LR	22 57 20.0 +11
KAPI	KAPI	comp-Z,296nm,22.0s			LR	LR	
R51A	Hillsboro	baz=38	85.14	319	P	P	22 57 09.8 +0.5
L41A	Preston	baz=34	85.18	326	P	P	22 57 09.0 -0.4
Q49A	Aurora	baz=34	85.20	321	P	P	22 57 09.2 -0.4
K39A	Delwein	baz=33	85.22	327	P	P	22 57 09.2 -0.4
M42A	Sheffield	baz=34	85.38	325	P	P	22 57 10.1 -0.4
S52A	Salyersville	baz=39	85.38	319	P	P	22 57 11.3 +0.8
P47A	Martinsville	baz=36	85.45	322	P	P	22 57 10.5 -0.4
L40A	Anamosa	comp-Z,39nm,1.0s	85.49	326	eP	P	22 57 11.4 +0.5
L40A	Anamosa	baz=33	85.49	326	P	P	22 57 10.6 -0.4
O45A	Potomac	baz=35	85.49	323	P	P	22 57 10.9 -0.1
R50A	Paris	baz=37	85.51	320	P	P	22 57 11.3 +0.2
N43A	Stutzman Famil	baz=34	85.56	324	P	P	22 57 11.5 +0.2
Q48A	North Vernon	baz=36	85.65	321	P	P	22 57 11.8 -0.1
S51A	Beattyville	comp-Z,28nm,1.3s	85.67	319	eP	P	22 57 13.6 +1.6
S51A	Beattyville	baz=39	85.67	319	P	P	22 57 11.9 -0.1
L39A	Vinton	baz=33	85.75	327	P	P	22 57 11.6 -0.7
P46A	Rosedale	baz=36	85.77	322	P	P	22 57 10.3 -2.1
M41A	Milan	baz=34	85.78	326	P	P	22 57 11.8 -0.7
T52A	Hallie	baz=38	85.79	318	P	P	22 57 12.5 -0.1
O44A	Mansfield	baz=37	85.90	324	P	P	22 57 12.4 -0.6
R49A	Shelbyville	baz=37	85.90	320	P	P	22 57 12.4 -0.7
HDIL	Hopedale	comp-Z,30nm,1.3s	85.92	324	eP	P	22 57 13.6 +0.5
HDIL	Hopedale	baz=34	85.92	324	P	P	22 57 11.1 -2.1
Q47A	Bedord North L	baz=39	85.97	322	P	P	22 57 12.8 -0.6
N42A	Yates City	baz=34	86.02	325	P	P	22 57 14.1 +0.5
P45A	Graceland, Par	baz=38	86.09	323	P	P	22 57 13.6 -0.4
R48A	Northridge Ran	baz=36	86.14	321	P	P	22 57 13.1 -1.2
ECSD	EROS Data Cent	comp-Z,18nm,1.1s	86.15	331	eP	P	22 57 14.6 +0.3
ECSD	EROS Data Cent	comp-Z,1µm,21.0s	86.15	331	P	P	22 57 14.1 -0.2
ECSD	EROS Data Cent	baz=30,SNR=12	86.15	326	P	P	22 57 13.6 -0.7
M40A	Post Highland	baz=33	86.15	326	P	P	22 57 15.1 +0.8
O43A	Sugar Creek Fa	baz=34	86.16	324	P	P	22 57 14.7 +0.2
U53A	Fall Branch	baz=38	86.17	318	P	P	22 57 14.7 +0.2
EGMT	Eagleton	comp-Z,1µm,21.0s	86.27	341	PFAKE	LR	22 57 30.0 +15
EGMT	EGMT	comp-Z,1µm,21.0s			LR	LR	
EGMT	Eagleton	baz=36	86.27	341	P	P	22 57 14.8 0.0
Q46A	CEJHS Indians,	baz=36	86.32	322	P	P	22 57 15.3 +0.2
SUSD	Miller	baz=28	86.35	332	P	P	22 57 15.6 +0.4
M39A	Webster	baz=33	86.36	327	P	P	22 57 15.2 -0.1
SCIA	State Center	comp-Z,711nm,19.0s	86.42	328	PFAKE	LR	22 57 30.0 +14
SCIA	SCIA	comp-Z,711nm,19.0s			LR	LR	
N41A	Harden Midland	baz=34	86.46	325	P	P	22 57 15.4 -0.4
WCI	Wyandotte Cave	baz=36	86.48	321	P	P	22 57 15.0 -0.9
KMCS	Kings Mountain	comp-Z,15nm,1.0s	86.49	316	eP	P	22 57 16.8 +0.7
KMCS	Kings Mountain	baz=39	86.49	316	P	P	22 57 16.0 0.0
P44A	San Creek, Wi	baz=35	86.53	323	P	P	22 57 15.5 -0.7
R47A	Wooly Knot Far	baz=36	86.53	321	P	P	22 57 14.7 -1.5
LAO	LASA Array	comp-Z,75nm,1.4s	86.58	338	eP	LR	22 57 17.4 +1.0
LAO	LAO	comp-Z,1µm,20.0s	86.58	338	P	P	22 57 17.1 +0.7
LAO	LASA Array	baz=34,SNR=9.7	86.58	338	P	P	22 57 15.3 -1.3
N40A	Mertquake, Sal	baz=33	86.62	326	P	P	22 57 15.3 -1.3
T50A	Nancy	baz=39	86.76	319	P	P	22 57 16.4 -0.9
P43A	Skaggs, Pawnee	baz=34	86.78	324	P	P	22 57 16.7 -0.6
Q45A	Warren Harvey,	baz=35	86.79	323	P	P	22 57 17.6 +0.2
S48A	Wieseman Farm,	baz=36	86.83	321	P	P	22 57 17.9 +0.2
V53A	Saluda	comp-Z,27nm,1.3s	86.83	317	eP	P	22 57 18.9 +1.1
V53A	Saluda	baz=38	86.83	317	P	P	

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like LRLAL, BW06, PD31, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MVCO, MBWA, O03E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like SHAZ, SHAI, SHAI, etc.

Table with columns: BYAT, KIV0, BEYR, etc. and values for station names and coordinates.

MOS 25 23:01:48.5:0.0, 42:54N:41:08E, h6km, MPVA3.4
DDA 25 23:01:49.0, 42:22N:41:03E, h7km, MI3.1
ISC 25 23:01:46.1, 42:23N:40:03.0, 40:96E:0:06, h1km, 10km,

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. for stations like Batumi, Dombai, Borcka, etc.

ISK 25 23:02:36.5, 42:36N:41:04E, h18km, ML3.1/2
MOS 25 23:02:37.6:0.0, 42:52N:41:07E, h3km, MPVA3.7
TIF 25 23:02:37.0, 42:35N:40:03E, h29km, 4km,
ISCBJ 25 23:02:38.0, 1.0, 42:36N:0:02-40:93E:0:06, h26km, 6km,
Error ellipse: s-maj=7.2km s-min=3.6km az=178.9

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. for stations like Batumi, Dombai, Borcka, etc.

AZER 25 23:03:32.4:2.7, 42:13N:40:21E, h10km, ml3.5/5, Error
ellipse: s-maj=41.4km s-min=17.4km az=12.0
TIF 25 23:03:33.6, 42:39N:41:02E, h12km, 2km
ISK 25 23:03:34.4, 42:43N:41:26E, h5km, ML3.3/10
MOS 25 23:03:35.0:0.0, 42:54N:41:04E, h5km, MPVA4.1
DDA 25 23:03:36.0, 42:19N:41:03E, h6km, MI3.4
ISC 25 23:03:32.7, 1.2, 42:42N:0:02-41:04E:0:02, h1km, 10km,

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. for stations like Batumi, Dombai, Borcka, etc.

Table with columns: KIV, KISLOVODSK, BYAT, etc. and values for station names and coordinates.

ISCJB 25 23:09:29.5:0.9, 39:32N:0:02-74:82E:0:03, h10km, 6km,
mb4.3/63, Error ellipse: s-maj=3.5km s-min=2.9km
az=140.6
IDC 25 23:09:29.2:0.6, 39:38N:74:83E, h8km, mb4.3/25,
mb1.4/32, mb1mx3.4/46, mbtmp:2/32, ML3.7/7, MS4.2/1,
Ms1.4/2.1, ms1mx3.0/43, Error ellipse: s-maj=11.6km
s-min=10.1km az=121.0
BUJ 25 23:09:30.5, 39:46N:74:76E, h15km, mb4.4/21, ML4.2/6,
Ms4.1/2, Ms7.4/0.2

NEIC 25 23:09:31.1:0.3, 39:37N:74:78E, h10km, mb4.5/25, Error
ellipse: s-maj=6.5km s-min=4.8km az=155.0
KRNET 25 23:09:33.0:1.1, 39:59N:74:70E, mb4.6
SOME 25 23:09:33.2, 39:50N:74:82E, h20km, 4km,
NVC 25 23:09:36.4:2.8, 39:75N:74:67E, h8km, 14km, mb4.7,
mpv4.3, Error ellipse: s-maj=26.7km s-min=8.4km
az=165.0
MOS 25 23:09:36.4:1.0, 39:56N:74:81E, h62km, mb4.5/22, Error
ellipse: s-maj=6.7km s-min=4.8km az=99.2

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, etc. for stations like Kashi, Sufi-Kurgan, etc.

Table with columns: AAA, MDOK, PRZ, etc. and values for station names and coordinates.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include PNIG Pinotepa, TLIG Tiapa, VHO Vista Hermosa, etc.

ISCJB 25 23:34:22.9; 1.5, 42.35N; 0.05; 40.90E; 0.07, h9km, 10km, Error ellipse: s-maj=9.3km s-min=8.2km az=163.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include BCA Borcka, BOC Borcka, CHOM Cayeli-Rize, etc.

PGC 25 23:34:40.7; 1.29; 0.50; 04N; 130.1; 10W, h10km, ML3.0/11, Mw3.7/11, Mw3.7/11, 204km Wsw of Pt. Hardy, BC Vancouver Island, Canada Region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include PACB Port Alice, BC, PHC Port Hardy, etc.

ISC 25 23:34:43.2; 2.8; 50.11N; 129.68W, h0km, mb3.9/1, mb1 3.7/7, mb1mx3.4/39, mbtmp3.4/7, ML3.1/6, MS4.1/1, Ms1 4.1/1, ms1mx2.9/51, Error ellipse: s-maj=37.1km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include BBA Bella Bella, BNB Bella Bella, NCRB Newcastle Ridg, etc.

NEW Newport 8.52 98 Pn Pn 23 35 19.7 -1.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include YKA Yellowknife Ar, PDAR Pinedale Array, etc.

MOS 25 23:35:34.0; 9.0; 42.59N; 41.00E, h7km, MPVA4.0 TIF 25 23:35:34.0; 42.39N; 41.12E, h18km, 5km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include DOMR Dombai, BORCA Borcka, ARXR Arkhyz, etc.

ISC 25 23:35:32.7; 1.2; 42.41N; 0.02; 41.06E; 0.03, h1km, 10km, n53, r1515/80, 3C-1D, Western Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include SOC Sochi, POSOF Posof, DDEM Demirkent, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include BEYR Belyy Ugol+, BEYR Ayd-ntepe-Bay, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include LSNR Lesken, KBTC Kuba-Taba, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include LSNR Lesken, KBTC Kuba-Taba, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include LSNR Lesken, KBTC Kuba-Taba, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include LSNR Lesken, KBTC Kuba-Taba, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include LSNR Lesken, KBTC Kuba-Taba, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include LSNR Lesken, KBTC Kuba-Taba, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include LSNR Lesken, KBTC Kuba-Taba, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include LSNR Lesken, KBTC Kuba-Taba, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include LSNR Lesken, KBTC Kuba-Taba, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include ONI Kislovodsk, KIV Kislovodsk, etc.

ISC 25 23:52:02.0; 0.9; 39.31N; 74.80E, h0km, mb3.8/9, mb1 4.0/12, mb1mx3.7/41, mbtmp3.8/12, ML3.2/5, Error ellipse: s-maj=19.4km s-min=15.1km az=95.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSH Kashi, SFK Sufi-Kurgan, etc.

Table with columns: APGS, EI Apazote, APG, APG, CMIG, CMIG, JTS, JTS, SDV, TXAR, TKL, PDAR, NVAR, ULM, ULM, SIV, SCHO, YKA, INK, ILAR. Includes station names, coordinates, and various parameters.

IDC 26 01:26:38.8±2.2, 30°37'N; 49°74'E, h0km, mb3.6/5, mb1.3/8.9, mb1mx3.5/34, mbmp3.7/9, ML3.3/4, Error ellipse: s-maj=44.1km s-min=23.1km az=156.0

TEH 26 01:26:40.3, 30°70'N; 49°97'E, h10km, ML3.7, THR 26 01:26:42.8±0.6, 30°72'N; 50°03'E, h38km, 8km, ML3.7

ISC 26 01:26:40.6±0.9, 30°52'N; 0°08'49.87E, h25km, n29, r1905/29, mb3.4/5, Western Iran

Main table for Western Iran region with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like ZNGN, SHGR, IPIR, etc.

ISCJB 26 01:29:58.0±0.9, 42°43'N; 0°04'41.02E, h4km, 10km, Error ellipse: s-maj=7.2km s-min=5.4km az=155.0

ISK 26 01:29:57.7, 42°53'N; 40°92'E, h28km, ML2.6/4, MOS 26 01:30:01.5±0.0, 42°52'N; 41°02'E, h8km, MPVA3.2

ISC 26 01:30:02.3, 42°19'N; 1°04'E, h7km, ML2, IDA 26 01:29:59.3±1.1, 42°43'N; 0°03'41.03E, h17km, 10km, n20, r087/35, Western Caucasus

Main table for Western Caucasus region with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like DOMR, BORA, ARXK, etc.

Table for Kislodovsk Arr region with columns: KIVO, KIVO, BEYR, BAYT, ESPY. Includes station names and coordinates.

IDC 26 01:36:32.6±0.9, 39°33'N; 74°73'E, h0km, mb3.6/9, mb1.3/8.14, mb1mx3.7/44, mbmp3.7/14, ML3.3/4, MS4.5/1, Ms1.4/5.1, ms1mx2.5/50, Error ellipse: s-maj=17.5km s-min=12.3km az=92.0

BUI 26 01:36:34.7, 39°45'N; 74°77'E, h9km, mb3.5/1, ML3.6/5, NNC 26 01:36:36.2±1.6, 39°06'N; 74°20'E, h6km, 15km, mb4.3, mpv3.9, Error ellipse: s-maj=21.8km s-min=8.5km az=53.0

KRNET 26 01:36:37.4, 39°57'N; 74°92'E, h19km, SOME 26 01:36:37.4, 39°57'N; 74°92'E, h19km

ISC 26 01:38:34.1±1.5, 39°51'N; 100°47.69E, h0km, qkm, n53, r281/84, mb3.7/9, 15C-11D, Southern Xinjiang

Main table for Southern Xinjiang region with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like KSH, SFK, NRR, ARSB, etc.

Table for Songojino Array region with columns: CEP, DJR, MKAR, WMQ, KURB, GEYT, ZALV, AKTO, SONM, BRTR, FINES, GERES, NB2, NOA, ASAJ, TORO, YKA, WRA, ASAR. Includes station names and coordinates.

IDC 26 01:47:57.8±2.1, 1.44S; 127°68E, h0km, mb2.8/1, mb1.3/3.2, mb1mx3.1/40, mbmp3.1/40, ML2.3/1.1, Error ellipse: s-maj=164.0km s-min=32.3km az=70.0, Halmaheira

WRA Warramunga Arr 19.51 16Z Op P 01 52 26.9 +0.1, ASAR Alice Springs 22.60 16S P 01 53 03.5 +0.1, FINES FINESS Array B 96.81 33Z P 02 01 30.2 -0.2

AZER 26 01:52:46.9±2.1, 41°40'N; 40°02'E, h8km, ml3.2/4, Error ellipse: s-maj=67.8km s-min=16.6km az=6.0

DDA 26 01:52:50.4, 42°35'N; 40°93'E, h4km, ML3.5, TIF 26 01:52:52.4, 42°36'N; 41°07'E, h19km, 2km, ISK 26 01:52:52.4, 42°35'N; 41°07'E, h10km, ML3.3/11, MOS 26 01:52:53.0±0.0, 42°52'N; 41°06'E, h10km, MPVA4.0

ISC 26 01:52:51.1±1.2, 42°39'N; 0°02'41.07E, h0.03, h1km, 10km, n78, r196/22, 10C-7D, Western Caucasus

Main table for Western Caucasus region with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like DOMR, BORA, ARXK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like Borcka, Dombai, Arkhyz, Cayell-Rize, etc.

BUIJ 26:02:24:29.2,6:01S:147.77E, h93km, mb4.8/34, mB5.2/20
ISC/BJ 26:02:24:31.5,0.6,5.95S:0.02:147.36E,0.04, h95km,6km,
mb4.9/61, Error ellipse: s-maj=6.0km s-min=4.1km az=5.2

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like Port Moresby, Moresby, Manus Island, Rabaul, Jayapura, etc.

Table with columns: QLP, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like Tnti, Sani, ASOI, Alice Springs, etc.

Table with columns: UTHA, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like Uthaitani, Nant, Sukh, Umpang Tak, etc.

26d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IM3 Indian Mountain, SML Sawmill, QSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JMA 26 02:30:50.3, 38.70N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ISCJB 26 02:35:12.7, etc.

2012 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LVC 17m,0.3s, bazz=222, etc.

NEIC 26 02:38:13.7, 3.0, 0.0, 62.77N, 143.42W, h8km, ML2.6(AEIC), After AEIC.

PGC 26 02:38:14.3, 0.0, 0.0, 62.77N, 143.40W, h13km, ML2.8/9, 239km Ene of Valdez, Ak Central Alaska

ISC 26 02:38:13.4, 1.1, 0.2, 62.80N, 102.143, 40W, 0.02, h13km, 10km, n32, e13561, Central Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BCA3 Beaver Creek A, DOT Dot Lake, etc.

MOS 26 02:44:01.8, 0.0, 0.2, 42.33N, 41.17E, h6km, 2km, MPVA3.1

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

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

MOS 26 02:44:43.1, 0.0, 0.2, 55N, 41.02E, h2km, MPVA3.2

DDA 26 02:44:43.1, 0.2, 42.26N, 41.12E, h7km, M1.7

ISC 26 02:44:41.2, 1.5, 42.40N, 0.03, 41.03E, 0.07, h12km, 13km, n9, 0846/17, Western Caucasus

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

ISC 26 02:57:36.3, 5.8, 1.64S, 135.22E, h0km, mb4.0/3, mb1.4/1.4, mb1mx3.7/38, mbtmp4.0/4, ML4.1/1, Error ellipse: s-maj=324.7km s-min=24.2km az=80.0, Irian Jaya region

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

MOS 26 02:58:20.7, 0.0, 20.52S, 178.62W, h558km, mb5.0/31, Error ellipse: s-maj=8.5km s-min=0.8km az=137.4

ISCJB 26 02:58:22.7, 0.4, 20.72S, 0.103, 178.63W, 0.02, h586km, 5km, mb5.0/243, Error ellipse: s-maj=4.3km s-min=3.0km az=155.5

BUI 26 02:58:22.1, 20.45S, 178.02W, h596km, mb5.2/41, mb5.1/23

ISC 26 02:58:23.0, 4.0, 20.68S, 178.58W, h583km, 4km, mb4.5/33, mb1.4/5/37, mb1mx4.5/46, mbtmp5.4/37, Error ellipse: s-maj=7.0km s-min=6.3km az=155.0

NEIC 26 02:58:23.2, 0.4, 20.69S, 178.62W, h582km, 5km, mb5.0/180, Error ellipse: s-maj=4.6km s-min=3.3km az=148.0

WEL 26 02:58:23.0, 20.69S, 178.62W, h582km

GCMT 26 02:58:24.0, 2.0, 20.67S, 0.104, 178.70W, 0.05, h603km, 3km, MW5.3/57, Moment Tensor Solution, s57.72z, Duration: 1s1 Moment tensor: Scale 10^17Nm; Mn=0.73e-04; Mw=0.75e-07; Mo=0.02e-08; Me=0.21e-07; M=0.63e-07; Mb=0.85e-08; Best double couple: M1.30800x10^17 Np1.0, 30.00000, 6.69, 0.00000, 1, -122.00000, NP2.0, 271.00000, 6.37, 0.00000, 1, 35.00000 Principal axes: T 1.3040, P18.00000, Azm144.00000, N 0.0070, P193.00000, Azm43.00000, P 131.0000, P193.00000, Azm261.0000, nstant refers to body waves, cutoff=40s. Triangular moment-rate function

ISC 26 02:58:23.4, 0.3, 20.70S, 0.104, 178.52W, 0.04, h587km, 3km, h589km, P-P, N11, 0.07, e128/1235, mb5.0/243, 81C-58D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NIUE Niue, NIUE Niue, RIZ Raoul Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like OUZ Omahuta, OUZ Omahuta, GRZ Great Barrier, etc.

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

URZ	Urewera	17.90 191	P	P	03 01 56.6 -1.8	comp-Z,262nm,0.6s,baz=92,slow=11,SNR=528	PcP	PcP	03 06 38.0 +0.5	TNTI	Ternate	57.04 285	P	P	03 07 14.8 -0.1		
URZ	Urewera	17.90 191	P	S	03 04 47.9 -5.3	CTA	comp-Z,1.2nm,0.6s,baz=128,slow=4.5,SNR=3.9	S	S	03 08 49.8 +0.5	SANI	Sanana	57.14 281	P	P	03 07 14.7 -0.9	
CNGZ	Carnagh Statio	17.95 188	P	P	03 01 58.5 -0.3	CTA	comp-Z,4.9nm,0.9s,baz=244,slow=1.0,SNR=5.9	ScP	ScP	03 09 25.5 +2.9	MBWA	Marble Bar	57.33 258	eP	P	03 07 16.3 -0.5	
CNGZ	Carnagh Statio	17.95 188	P	S	03 04 53.6 -0.3	CTA	comp-Z,1.7nm,1.0s,baz=94,slow=4.3,SNR=7.1	S	S	03 04 11.7 +0.4	MBWA	Marble Bar	57.33 258	eP	P	03 07 16.3 -0.5	
RAOZ	Rawiri	18.01 194	P	P	03 02 00.0 +0.9	CTAO	Charters Tower	32.98 265	eP	P	03 04 11.7 +0.4	MEEK	Meekatharra	57.39 251	P	P	03 07 16.4 -0.7
HRZ	Handcock Road	18.19 193	P	P	03 02 00.0 +0.9	CTAO	Charters Tower	32.98 265	eP	P	03 04 11.7 +0.4	KLBR	Kellerberrin	57.53 245	P	P	03 07 17.8 -0.2
RIGZ	Rimuhau	18.23 189	P	P	03 02 00.1 -1.4	CMSA	Cobar Meteorol	33.76 244	P	P	03 04 18.1 +0.5	VNDA	Vanda	57.67 185	eP	P	03 07 20.1 +2.1
RIGZ	Rimuhau	18.23 189	P	P	03 04 58.4 -0.2	QLP	Quilpie	34.53 253	P	P	03 04 24.4 +0.2	VNDA	Vanda	57.67 185	eP	P	03 07 20.1 +2.1
PRRZ	Plateau Road	18.27 193	P	P	03 01 59.2 -2.6	PMG	Port Moresby	34.91 284	eP	P	03 04 27.3 -0.2	VNDA	Vanda	57.67 185	eP	P	03 07 20.1 +2.1
FLZ	Folley Road	18.30 195	P	P	03 02 03.8 +1.6	PMG	Port Moresby	34.91 284	eP	P	03 04 27.5 +0.1	NWAO	Narrogin (SRO)	57.84 243	eP	P	03 07 20.1 +2.1
ALZ	Allen Rd	18.03 192	P	P	03 02 04.8 -0.4	PMG	Port Moresby	34.91 284	eP	P	03 04 27.5 +0.1	NWAO	Narrogin (SRO)	57.84 243	eP	P	03 07 20.1 +2.1
SNZG	Shannon Statio	18.37 190	P	P	03 05 00.7 -0.1	PMG	Port Moresby	34.91 284	eP	P	03 04 27.5 +0.1	NWAO	Narrogin (SRO)	57.84 243	eP	P	03 07 20.1 +2.1
SNZG	Shannon Statio	18.37 190	P	S	03 02 04.4 +1.2	TOO	Tooolangi	35.38 234	eP	P	03 04 31.7 +0.5	NWAO	Narrogin (SRO)	57.84 243	eP	P	03 07 20.1 +2.1
PRGZ	Paritu Road	18.42 189	P	P	03 05 00.1 -0.7	TOO	Tooolangi	35.38 234	eP	P	03 04 31.6 +0.5	NWAO	Narrogin (SRO)	57.84 243	eP	P	03 07 20.1 +2.1
MTHZ	Maungatiwha	18.53 191	P	P	03 02 04.0 -0.2	TOO	Tooolangi	35.38 234	eP	P	03 04 31.6 +0.5	NWAO	Narrogin (SRO)	57.84 243	eP	P	03 07 20.1 +2.1
MTHZ	Maungatiwha	18.53 191	P	S	03 05 01.2 -2.2	PATS	Pohnpei	35.60 318	P	P	03 04 33.5 +0.4	RKGY	Rocky Gully	57.92 241	P	P	03 07 21.1 +0.5
RAHZ	Arahi	18.54 191	P	P	03 02 05.0 +0.6	MAT	Maitopo	35.60 318	eP	P	03 04 34.0 +0.9	MMRI	Maumere	58.27 273	eP	P	03 07 23.0 -0.2
RAHZ	Arahi	18.54 191	P	S	03 05 02.3 -1.3	PAOS	Pohnpei	35.60 318	eP	P	03 04 37.0 +0.8	BLDU	Bludru	58.52 246	P	P	03 07 24.3 -0.4
KNZ	Kokohu	18.55 189	P	P	03 02 04.0 -0.3	PAOS	Pohnpei	35.60 318	eP	P	03 04 37.0 +0.8	EDFI	Ende, Flores	58.75 272	P	P	03 07 25.7 -0.9
KNZ	Kokohu	18.55 189	P	S	03 05 03.0 -0.6	TAU	Tasmania Unive	36.14 224	eP	P	03 04 37.8 +0.6	MUN	Munding	58.80 244	P	P	03 07 26.7 +0.2
MHZG	Mahia Peninsul	18.46 189	P	P	03 02 04.8 -0.4	TAU	Tasmania Unive	36.14 224	eP	P	03 04 37.8 +0.6	MORW	Morawa	59.00 248	P	P	03 07 29.7 -0.2
HIZ	Hauti	18.65 196	eP	P	03 02 07.2 +2.0	TAU	Tasmania Unive	36.14 224	eP	P	03 04 37.8 +0.6	MORW	Morawa	59.00 248	eP	P	03 07 29.7 -0.2
HIZ	Hauti	18.65 196	eP	S	03 02 07.9 +2.6	COEN	Coen	37.11 274	P	P	03 04 46.1 +0.5	KDI	Kendari	59.53 278	P	P	03 07 31.3 -0.3
WHZ	Whaiti	18.68 190	P	P	03 05 02.2 -3.5	COEN	Coen	37.11 274	eP	P	03 04 46.0 +0.5	WSI	Waingapu	59.76 271	P	P	03 07 33.6 +0.4
NMHZ	Naumai	18.77 191	P	P	03 02 06.4 -0.4	STKA	Stephens Creek	37.26 244	P	P	03 06 50.9 +0.7	KMSI	Kings Island	60.03 283	P	P	03 07 35.2 +0.2
NMHZ	Naumai	18.77 191	P	S	03 05 08.5 +1.2	STKA	Stephens Creek	37.26 244	eP	P	03 04 47.2 +0.6	BKSI	Bulukumba	61.36 275	P	P	03 07 42.9 -0.8
RITZ	Rihia Road	18.85 194	P	P	03 02 08.4 +1.4	STKA	Stephens Creek	37.26 244	eP	P	03 05 47.3 +0.8	APSI	Apasapa	61.57 281	P	P	03 07 45.8 +0.7
BKZ	Black Stump Fm	18.90 192	eP	P	03 02 06.6 -0.9	STKA	Stephens Creek	37.26 244	eP	P	03 04 47.1 +0.6	BNSI	Bone	61.70 276	P	P	03 07 46.0 +0.1
BKZ	Black Stump Fm	18.90 192	eP	S	03 05 07.8 -1.6	STKA	Stephens Creek	37.26 244	eP	P	03 06 50.9 +0.7	MRSI	Marsden	61.85 282	P	P	03 07 46.3 -0.6
BKZ	Black Stump Fm	18.90 192	eP	S	03 02 05.7 -1.9	STKA	Stephens Creek	37.26 244	eP	P	03 04 47.2 +0.6	GIRL	Giralila	62.02 255	P	P	03 07 48.8 +0.9
BKZ	Black Stump Fm	18.90 192	eP	S	03 05 07.8 -1.6	STKA	Stephens Creek	37.26 244	eP	P	03 06 50.9 +0.7	GIRL	Giralila	62.02 255	eP	P	03 07 48.8 +0.9
ARHZ	Aroapanui	18.90 191	P	P	03 02 08.1 +0.6	STKA	Stephens Creek	37.26 244	eP	P	03 06 50.9 +0.7	GIRL	Giralila	62.02 255	eP	P	03 07 48.8 +0.9
ARHZ	Aroapanui	18.90 191	P	S	03 05 06.3 -0.3	STKA	Stephens Creek	37.26 244	eP	P	03 06 50.9 +0.7	GIRL	Giralila	62.02 255	eP	P	03 07 48.8 +0.9
KNZN	Kanton	19.01 21	eP	P	03 02 06.7 -2.2	MCQ	Macquarie Isla	37.82 201	P	P	03 04 53.2 +2.5	SPSI	Sidrap Palu	62.17 277	P	P	03 07 47.7 -1.3
KNZN	Kanton	19.01 21	eP	S	03 05 07.9 +2.6	MCQ	Macquarie Isla	37.82 201	eP	P	03 04 52.7 +2.0	PLAI	Plampang	62.38 271	P	P	03 07 49.7 -0.6
MCHZ	McNeill Hill	19.13 191	P	P	03 02 09.5 -0.1	MCQ	Macquarie Isla	37.82 201	eP	P	03 04 52.7 +2.0	RPN	Rapa Nui	62.88 111	eP	P	03 07 55.4 +2.0
MCHZ	McNeill Hill	19.13 191	P	S	03 05 13.1 +0.1	MCQ	Macquarie Isla	37.82 201	eP	P	03 04 52.7 +2.0	RPN	Rapa Nui	62.88 111	eP	P	03 07 55.4 +2.0
KWHZ	Kaweka Forest	19.16 192	P	P	03 02 09.1 -0.9	ARPS	Mount Arapilles	37.97 236	P	P	03 04 52.5 +0.3	RPN	Rapa Nui	62.88 111	eP	P	03 07 55.4 +2.0
KWHZ	Kaweka Forest	19.16 192	P	S	03 05 12.1 -1.5	ARPS	Mount Arapilles	37.97 236	P	P	03 04 54.0 +0.6	CASY	Casey	63.57 205	eP	P	03 07 57.8 +0.8
CKHZ	Cape Kidnapper	19.25 193	P	P	03 02 07.8 -0.7	TAOE	Nuku Hiva Isla	38.83 78	eP	P	03 04 59.6 0.0	JAGI	Jajag, Banyuwa	65.89 270	eP	P	03 08 11.1 -1.4
BHHZ	Black Hill Sta	19.25 193	P	P	03 05 15.7 0.0	QIS	Qitileta	39.11 263	P	P	03 05 01.2 -0.5	KDM	Kudat	69.14 286	P	P	03 08 33.0 +0.7
KAHZ	Kahuranaki	19.43 191	P	P	03 05 18.5 +0.6	HTT	Hallett	39.70 242	P	P	03 05 06.7 +0.4	KKM	Kota Kinabalu	69.34 285	eP	P	03 08 33.9 +0.2
KAHZ	Kahuranaki	19.43 191	P	S	03 05 18.3 +0.4	RKT	Rikitea	40.37 102	eP	P	03 05 11.7 0.0	KKM	Kota Kinabalu	69.34 285	eP	P	03 08 34.0 +0.4
PXZ	Pawanui	19.67 191	P	P	03 05 17.9 -3.5	MMPI	Merauke	41.46 281	P	P	03 05 20.8 +0.4	QSPA	South Pole Qui	69.37 180	P	P	03 08 34.4 +1.5
PNHZ	Pukenui	19.68 192	P	P	03 05 22.5 +0.8	BBOO	Buckleboo	42.02 244	eP	P	03 05 24.7 +0.1	QSPA	South Pole Qui	69.37 180	P	P	03 08 34.4 +1.5
PRHZ	Porangahau	19.94 191	P	P	03 05 06.1 +1.1	JAY	Jayapura	43.64 289	P	P	03 05 24.7 +0.1	QSPA	South Pole Qui	69.37 180	P	P	03 08 34.4 +1.5
ANWZ	Angora Road	20.15 191	P	P	03 05 26.8 +1.0	JAY	Jayapura	43.64 289	P	P	03 05 27.7 +0.2	USMA	Usumatma	69.47 269	eP	P	03 08 34.2 -0.2
ANWZ	Angora Road	20.15 191	P	S	03 05 29.5 +0.3	JAY	Jayapura	43.64 289	P	P	03 11 26.4 +0.6	SMRI	Samarang	69.83 270	eP	P	03 08 36.5 0.0
PRWZ	Pori Road	20.34 192	P	P	03 05 29.5 +0.3	JAY	Jayapura	43.64 289	P	P	03 11 26.4 +0.6	JOW	Kunigami	69.92 310	eP	P	03 08 36.6 -0.1
BFZ	Birch Farm	20.41 191	eP	P	03 05 32.0 -1.2	JAY	Jayapura	43.64 289	P	P	03 05 37.4 -0.1	JOW	Kunigami	69.92 310	eP	P	03 08 37.2 +0.5
BFZ	Birch Farm	20.41 191	eP	S	03 05 33.9 +0.6	AS01	Alice Springs	43.95 257	eP	P	03 05 37.4 -0.1	AS01	Alice Springs	43.95 257	eP	P	03 08 36.8 -0.7
BFZ	Birch Farm	20.41 191	eP	S	03 05 33.9 +0.6	AS01	Alice Springs	43.95 257	eP	P	03 05 38.6 -1.2	AS01	Alice Springs	43.95 257	eP	P	03 08 36.8 -0.7
BFZ	Birch Farm	20.41 191	eP	S	03 05 33.9 +0.6	AS01	Alice Springs	43.95 257	eP	P	03 05 40.2 +0.1	AS01	Alice Springs	43.95 257	eP	P	03 08 36.8 -0.7
IMHZ	Imbangatoinaka R	20.52 192	P	P	03 05 32.3 -2.7	AS31	Alice Springs	43.95 257	eP	P	03 07 12.8 +0.2	MAJO	Matsushiro	70.08 324	iP	P	03 08 36.8 -0.7
TIWZ	Tintock	20.57 192	P	P	03 05 09.6 -6.3	AS31	Alice Springs	43.95 257	eP	P	03 10 10.8 +1.8	MAJO	Matsushiro	70.08 324	iP	P	03 08 36.8 -0.7
OGWZ	Otaki Gorge	20.76 194	P	P	03 05 40.9 +2.2	ASAR	Alice Springs	43.95 257	eP	P	03 11 29.1 -1.5	MAJO	Matsushiro	70.08 324	iP	P	03 08 36.8 -0.7
OGWZ	Otaki Gorge	20.76 194	P	S	03 05 41.9 +3.2	ASAR	Alice Springs	43.95 257	eP	P	03 05 40.0 0.0	MAJO	Matsushiro	70.08 324	iP	P	03 08 36.8 -0.7
HOWZ	Holdsworth Sta	20.76 193	P	P	03 05 36.8 -2.1	ASAR	Alice Springs	43.95 257	eP	P	03 07 12.8 +0.2	MAT	Matsushiro	70.08 324	iP	P	03 08 36.8 -0.7
KIWI	Kapiti Island	20.86 194	P	P	03 05 36.5 -3.9	ASAR	Alice Springs	43.95 257	eP	P	03 10 10.8 +1.8	SBUM	Sibu	71.56 280	P	P	03 08 36.8 -0.7
MTWZ	Mount Morrison	21.02 193	P	P	03 05 40.2 -4.3	ASAR	Alice Springs	43.95 257	eP	P	03 05 40.2 -0.5	SBUM	Sibu	71.56 280	P	P	03 08 36.8 -0.7
CAWZ	Cannon Point	21.06 194	P	P	03 05 40.1 -3.4	ASAR	Alice Springs	43.95 257	eP	P	03 11 29.1 -1.5	JNU	Nakatsue	72.09 317	eP	P	03 08 48.8 -0.5
PAWZ	Paruwai Farm	21.25 193	P	P	03 05 46.7 +0.2	ASAR	Alice Springs	43.95 257	eP	P	03 11 29.1 -1.5	JNU	Nakatsue	72.09 317	eP	P	03 08 48.8 -0.5
SNZO	South Karori	21.33 194	eP	P	03 02 29.7 +0.3	ASAR	Alice Springs	43.95 257	eP	P	03 43 25.6	CISI	Cisompot, Garu	72.12 269	eP	P	03 08 48.5 -1.5
SNZO	South Karori	21.33 194	eP	S	03 05 44.4 -3.3	ASAR	Alice Springs	43.95 257	eP	P	03 05 40.2 -0.5	ADK	Adak	72.29 1	eP	P	03 08 49.4 -0.5
TCWZ	Toy Channel	21.34 195	P	P	03 05 45.2 -2.7	ASAR	Alice Springs	43.95 257	eP	P	03 05 40.2 -0.5	ADK	Adak	72.29 1	eP	P	03 08 49.4 -0.5
PLWZ	Palliser	21.46 193	P	P	03 05 48.3 -1.7	ASAR	Alice Springs	43.95 257	eP	P	03 05 40.0 -0.8	LEM	Lembang	72.55 269	P	P	03 08 52.8 +0.2
TUWZ	Tuamarina	21.63 196	P	P	03 05 49.1 -3.4	ASAR	Alice Springs	43.95 257	eP	P	03 05 41.1 +0.2	TWG	Pinlang	73.08 303	eP	P	03 08 53.5 -1.6
BSWZ	Blackbirch Sta	21.91 195	P														

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MOPN2	Monument Peak	79.71	49	P	P	03 09 32.7 +1.2
EDW2	Edwards Air Fo	79.71	47	P	P	03 09 32.2 +0.9
O02D	Mt. Diablo Mer	79.75	40	P	P	03 09 32.8 +1.4
IKP	In-Ko-Pah, Jac	79.80	49	P	P	03 09 33.0 +1.2
ISA	Isabella, Lake	79.83	46	eP	P	03 09 32.9 +1.0
ISA	Isabella, Lake	79.83	46	eP	P	03 11 39.4 +3.9
ISA	Isabella, Lake	79.83	46	eP	P	03 09 32.9 +1.0
CMB	Columbia Colle	79.94	43	eP	P	03 09 33.6 +1.2
CMB	Columbia Colle	79.94	43	eP	P	03 09 33.6 +1.2
PFO	Pinyon Flats O	80.07	48	P	P	03 09 34.1 +0.9
WDC	Whiskeytown D	80.14	40	eP	P	03 09 34.9 +1.6
ORV	Oroville	80.15	41	eP	P	03 09 34.7 +1.3
ORV	Oroville	80.15	41	eP	P	03 09 34.7 +1.3
SWSC	Sam W. Stewart	80.18	49	P	P	03 09 34.9 +1.2
LRMC	Laurel Mtn Rad	80.26	46	P	P	03 09 35.0 +0.8
N02D	Trinity Center	80.29	39	P	P	03 09 35.6 +1.5
MDJ	Mudanjiang	80.40	325	P	P	03 09 35.3 +0.8
MDJ	Mudanjiang	80.40	325	P	P	03 11 37.5 -0.9
MDJ	Mudanjiang	80.40	325	P	P	03 12 36.8 -1.1
MDJ	Mudanjiang	80.40	325	P	P	03 12 48.0 -1.0
MDJ	Mudanjiang	80.40	325	P	P	03 18 56.8 +3.8
MDJ	Mudanjiang	80.40	325	P	P	03 24 26.3 +3.3
MDJ	Mudanjiang	80.40	325	P	P	03 09 35.6 +1.1
O03E	Paynes Creek	80.41	40	P	P	03 09 35.7 +0.9
M02C	Callahan	80.46	39	P	P	03 09 36.1 +1.1
CWC	Cottonwood Cre	80.53	45	P	P	03 09 36.2 +0.6
BELC	Belle Mtn. Jos	80.61	48	P	P	03 09 36.5 +0.4
MPMC	Manual Prospec	80.71	46	P	P	03 09 37.5 +0.9
YBH	Yreka Blue Hor	80.75	39	P	P	03 09 38.1 +1.5
YBH	Yreka Blue Hor	80.75	39	eP	P	03 09 38.4 +1.9
GSC	Goldstone, Bar	80.75	47	eP	P	03 09 37.9 +1.2
GSC	Goldstone, Bar	80.75	47	eP	P	03 09 37.9 +1.2
GSC	Goldstone, Bar	80.75	47	eP	P	03 09 37.9 +1.2
TIN	Tinemaha, Big	80.78	45	P	P	03 09 37.8 +1.0
K02D	Willamette Mer	80.80	38	P	P	03 09 37.9 +1.1
BC3	Big Chuckawall	80.80	49	P	P	03 09 38.0 +0.9
HEC	Hector, Ludlow	80.82	47	P	P	03 09 38.0 +1.0
WAKR	Walker	80.82	43	eP	P	03 09 39.4 +2.2
COCO	West Island	80.84	260	eP	P	03 09 38.9 +1.4
COCO	West Island	80.84	260	eP	P	03 09 39.5 +2.0
GLA	Glamis	80.93	50	P	P	03 09 38.9 +1.3
BEKR	Beckworth	81.04	41	eP	P	03 09 39.5 +1.3
HUMO	Hull Mountain	81.15	38	eP	P	03 09 40.5 +2.0
MAW	Mawson	81.21	200	P	P	03 09 39.0 +0.7
MAW	Mawson	81.21	200	P	P	03 09 38.9 +0.5
MAW	Mawson	81.21	200	P	P	03 09 39.5 +1.1
YERR	Yerington	81.23	43	eP	P	03 09 39.6 +0.4
GMRC	Granite Mounta	81.26	48	P	P	03 09 40.4 +1.0
IRM	Iron Mountain	81.29	49	P	P	03 09 40.8 +1.4
L04D	Klamath Falls	81.29	39	P	P	03 09 40.5 +1.1
M04C	Macdoel	81.30	39	P	P	03 09 40.4 +1.0
GR4C	Gravepine Rang	81.31	45	P	P	03 09 40.8 +1.3
FURC	Furnace Creek,	81.36	46	P	P	03 09 40.4 +0.8
TUQ	Turquoise Moun	81.43	47	P	P	03 09 41.4 +1.1
SHOC	Shoshone, Teco	81.44	47	P	P	03 09 41.1 +1.0
GRNR	Gornyy	81.46	333	eP	P	03 09 40.0 +0.2
RYN	Ryan	81.48	43	eP	P	03 09 41.8 +1.3
NV01	Mina Array Sit	81.51	44	eP	P	03 09 41.5 +0.8
NV01	Mina Array Sit	81.51	44	eP	P	03 11 47.4 +2.4
NV01	Mina Array Sit	81.51	44	eP	P	03 28 10.5 +0.3
NVAR	Mina Array Bea	81.51	44	eP	P	03 09 41.4 +0.7
NVAR	Mina Array Bea	81.51	44	eP	P	03 11 44.6 +0.3
NVAR	Mina Array Bea	81.51	44	eP	P	03 28 10.5 +0.3
Y12C	Blythe	81.51	49	eP	P	03 09 42.4 +1.9
Y12C	Blythe	81.51	49	eP	P	03 09 41.9 +1.4
113A	Mohawk Valley	81.54	50	eP	P	03 09 42.5 +1.9
PAHR	Pah Rah Range	81.56	42	eP	P	03 09 42.1 +1.0
NKL	Nikolayevsk	81.58	337	eP	P	03 09 39.0 -1.3
NKL	Nikolayevsk	81.58	337	eP	P	03 09 42.0 +1.0
NV11	Mina Array Sit	81.61	44	eP	P	03 09 42.0 +1.0
LDFC	Landfair	81.80	48	eP	P	03 09 44.0 +1.9
KVN	Kaiserville	81.99	43	eP	P	03 09 44.3 +1.2
KVN	Kaiserville	81.99	43	eP	P	03 09 44.3 +1.2
TPNV	Topopah Spring	82.03	46	eP	P	03 09 44.3 +1.0
TPNV	Topopah Spring	82.03	46	eP	P	03 09 44.3 +1.0
J04D	Umpqua Nationa	82.03	38	P	P	03 09 44.3 +1.1
PDMC1	Parker Dam, Lak	82.07	49	P	P	03 09 44.5 +1.2
CN2	Changchun	82.16	323	eP	P	03 09 43.8 +0.3
CN2	Changchun	82.16	323	eP	P	03 11 52.8 +4.7
CN2	Changchun	82.16	323	eP	P	03 09 44.7 +0.8
I04A	Tendick Farm,	82.20	37	P	P	03 09 45.8 +1.4
MOD	Modoc Plateau	82.27	40	eP	P	03 09 45.8 +1.4
KLR	Kuldur	82.45	330	P	P	03 09 45.3 +0.4

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H04D	Lebanon	82.47	37	P	P	03 09 46.4 +1.3
SHPR	Sheep Range	82.53	47	eP	P	03 09 47.3 +1.5
SHPR	Sheep Range	82.53	47	eP	P	03 11 55.0 +4.5
J05D	Fort Rock, OR	82.57	38	P	P	03 09 47.2 +1.4
IPM	Iphoh	82.67	278	eP	P	03 09 47.5 +0.6
PINE	Pine Mountain	83.04	38	eP	P	03 09 49.7 +1.4
TIA	Tai'an	83.05	313	P	P	03 09 48.5 +0.3
J05D	Terrebonne, OR	83.15	37	P	P	03 09 49.7 +1.1
R11A	Troy Canyon, C	83.24	45	eP	P	03 09 50.2 +0.9
R11A	Troy Canyon, C	83.24	45	eP	P	03 09 49.8 +0.5
F04D	Rainier, OR	83.30	35	P	P	03 09 50.5 +1.3
KULM	Kulim	83.31	278	eP	P	03 09 50.8 +0.7
TUC	Tucson	83.49	52	eP	P	03 09 52.8 +2.2
TUC	Tucson	83.49	52	eP	P	03 11 59.2 +3.5
TUC	Tucson	83.49	52	eP	P	03 09 52.2 +1.6
RSO	Redoubt South	83.54	13	eP	P	03 09 49.6 -0.7
SVW2	Sparrevoh	83.59	11	eP	P	03 09 49.8 -0.5
WVOR	Wild Horse Val	83.60	40	eP	P	03 09 52.4 +1.4
WVOR	Wild Horse Val	83.60	40	eP	P	03 09 52.4 +1.4
WVOR	Wild Horse Val	83.60	40	eP	P	03 11 37.5 -0.9
PSI	Prapat	84.02	275	P	P	03 09 52.9 -0.8
PSI	Prapat	84.02	275	eP	P	03 09 52.8 -0.9
F05D	White Salmon	84.03	36	P	P	03 09 53.7 +0.9
LCMT	Little Creek M	84.10	47	eP	P	03 09 55.0 +1.4
319A	Douglas	84.16	54	eP	P	03 09 56.0 +2.0
D03D	Eldon	84.18	34	P	P	03 09 54.8 +1.3
USHA	Ushuaia	84.23	147	P	P	03 09 54.6 +0.9
J08A	Circle Bar	84.23	39	eP	P	03 09 55.3 +1.3
CCUT	Cedar City	84.30	46	eP	P	03 09 55.5 +0.9
GAMB	Gambel	84.37	3	eP	P	03 09 54.7 +0.8
KNB	Kanab	84.39	47	eP	P	03 09 55.7 +0.7
KNB	Kanab	84.39	47	eP	P	03 09 55.7 +0.7
U15A	North Rim	84.46	48	eP	P	03 09 56.9 +1.4
PSUT	Pine Spring	84.48	45	eP	P	03 12 04.3 +3.2
SZCU	Shurtz Canyon	84.51	47	eP	P	03 09 57.6 +1.9
WUAZ	Wupatki	84.64	49	P	P	03 09 57.8 +1.5
WUAZ	Wupatki	84.64	49	P	P	03 09 57.4 +1.1
SKNT	Sakalekorn	84.72	290	P	P	03 09 57.6 +0.8
RC01	Rabbit Creek A	84.75	14	eP	P	03 09 55.8 -0.2
GSI	Gunungsitoli	84.75	273	eP	P	03 09 58.2 +1.1
ELK	Elko	84.76	43	eP	P	03 09 57.4 +0.6
ELK	Elko	84.76	43	eP	P	03 12 06.2 +3.7
ELK	Elko	84.76	43	eP	P	03 09 57.4 +0.6
SUA	Sunita One	84.87	13	P	P	03 09 56.3 -0.4
F07A	Phinny Hill Vi	84.88	37	eP	P	03 09 58.4 +1.4
PKCU	Pink Cliffs	84.96	47	eP	P	03 10 02.2 +2.2
G08A	Pilot Rock	85.08	38	eP	P	03 09 59.4 +1.3
G08A	Pilot Rock	85.08	38	eP	P	03 12 08.5 +4.6
TRTT	Trang	85.13	280	P	P	03 10 04.4 +1.5
SRAK	Srakaew	85.29	287	P	P	03 09 59.6 0.0
KNK	Knik Glacier	85.32	14	eP	P	03 09 58.8 0.0
E07A	Eastside	85.32	36	eP	P	03 10 00.5 +1.4
PMR	Palmer	85.33	14	eP	P	03 09 58.1 -0.6
PMR	Palmer	85.33	14	eP	P	03 09 58.1 -0.6
MTPU	Mount Pointier	85.35	47	eP	P	03 10 02.0 +2.1
HAWA	Hawaii	85.40	37	eP	P	03 10 00.5 +1.0
GHO	Glory Hole Cre	85.53	14	eP	P	03 09 59.6 -0.2
W18A	Petrified Fore	85.62	50	P	P	03 10 01.9 +0.8
BJT	Baijiatua	85.68	316	eP	P	03 10 01.4 +0.4
BJT	Baijiatua	85.68	316	eP	P	03 10 01.4 +0.4
BJT	Baijiatua	85.68	316	eP	P	03 10 01.3 +0.3
DIV	Diversity	85.71	15	eP	P	03 10 00.7 +0.1
E08A	Dider Farm, I	85.72	37	eP	P	03 10 02.2 +1.2
KRAB	Krabi	85.72	280	P	P	03 10 03.4 +1.7
ENH	Enshi	85.75	304	eP	P	03 10 02.2 +0.7
BMO	Blue Mountains	85.78	39	eP	P	03 10 02.1 +0.6
121A	Cookes Peak, D	85.83	53	P	P	03 12 10.6 +3.1
MFID	Camas Ranch	85.86	40	eP	P	03 10 03.0 +1.2
MFID	Camas Ranch	85.86	40	eP	P	03 12 11.8 +3.8
NV11	Nongkai	85.88	291	P	P	03 10 03.5 +1.1
PATY	Pattaya	85.94	285	P	P	03 10 05.0 +2.3
SCM	Sheep Creek M	85.95	14	eP	P	03 10 02.0 +0.2
SCM	Sheep Creek M	85.95	14	eP	P	03 10 02.0 +0.2
KLU	Klutina	85.98	15	eP	P	03 10 02.5 +0.5
DUG	Dugway, Tooele	86.04	44	P	P	03 10 03.8 +1.0
CHAI	Chaiyaphan	86.06	289	P	P	03 10 04.0 +0.7
D08A	Wood Farm, Sta	86.13	36	eP	P	03 10 03.9 +1.0
E09A	Wood Farm, Sta	86.25	37	eP	P	03 10 04.4 +

Table with columns for station name, frequency, and other technical details. Includes stations like Umpang Tak, Snow King Moun, White River Ci, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like Ulanbaatar, Sogingo Array, Dagmar, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like Ashyiah, Shamm, Al Ain, etc.

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Table with multiple columns containing station names, frequencies, and various technical parameters. The table is organized into several vertical sections, each starting with a call sign or station name. Each entry includes a frequency, a number of channels, a polarization indicator, and a list of technical specifications such as modulation type, power, and bandwidth. The data is presented in a dense, structured format typical of a technical broadcast schedule.

Table with columns: TAM, Station Name, Frequency, Power, Modulation, and other technical details.

MAN 26 02:59:33.6, 10'60N:125'59E, h62km, mb4.5, ML3.4, MS3.2, 4C-1D, Leyte

Main table for MAN station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

IDC 26 03:14:44.1, 6.9, 28.16S:178'90W, h0km, mb3.2/2, Error ellipse: s-maj=318.6km s-min=105.0km az=163.0, Kermadec Islands region

Main table for IDC station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

ATH 26 03:16:31.1, 38'88N:23'21E, h12km, 3km, ML1.1/1, Error ellipse: s-maj=9.0km s-min=1.2km az=110.0, Greece

Main table for ATH station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

MEX 26 03:39:02.4, 0.6, 18'22N:103'18W, h27km, 25km, MD3.7, Near coast of Michoacan

Main table for MEX station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

IDC 26 03:43:50.5, 1.8, 1'89N:127'17E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.5/4, mbtmp3.6/4, Error ellipse: s-maj=157.6km s-min=20.8km az=67.0, Halmahera

Main table for IDC station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

OMAN 26 03:52:53.7, 8.1, 27'40N:54'25E, h10km, Error ellipse: s-maj=159.0km s-min=5.1km az=327.0

Main table for OMAN station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

ISC 26 03:52:59.6, 0.5, 26'83N:0'05:54'25E:0'05, h19km, n95, c1f16/92, mb4.0/25, MS3.3/5, Southern Iran

Main table for ISC station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for ASHO station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for YZKH station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for KHMZ station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for EIL station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for LANS station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for FETA station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for ESCD station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for WRA station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for WRA station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for SKO station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for KDO station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for THAS station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for KNDS station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for BOUS station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for DOMR station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for DDBA station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for SQTQ station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for FETA station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for ESCD station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for WRA station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for CMAR station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

Main table for IDC station group with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details.

26d 5h

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like SMY Shemya, LSWN Little Sitkin, LSPA Little Sitkin, AMKA Amchitka, etc.

IDC 26 05:11:42.5-11.0, 22.08N:143:85E, h131km, mb4.0/10, mb3.4/10, mb1.3/6.0, mb1mx3.4/7, mbtpm3.8/10, Error ellipse: s-maj=32.5km s-min=17.0km az=85.0, Volcano Islands region

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like KLR Kuf'dur, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 26 05:13:26.6-0.7, 11.46N:143:45E, h0km, mb4.0/13, mb1.4/2.14, mb1mx4.0/46, mbtmp4.0/14, ML3.8/1, MS2.9/1, MS1.2/9.1, ms1mx2.2/17, Error ellipse: s-maj=24.6km s-min=16.4km az=102.0

ISCJB 26 05:13:30.1-0.4, 11.43N:143:36E, h0.08, h37km, mb4.2/17, MS2.9/1, Error ellipse: s-maj=12.6km s-min=7.8km az=27.8

NEIC 26 05:13:31.6-0.3, 11.44N:143:42E, h35km, mb4.2/3, Error ellipse: s-maj=11.3km s-min=8.2km az=97.0

ISC 26 05:13:32.2-0.6, 11.53N:143:46E, 0.11, h37km, n35, s=143.37, mb4.1/7, South of Mariana Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like GUMO Guam, KWAJ Kwajalein Atol, CSMAR Chiang Mai Arr, etc.

BJJ 26 05:17:26.9, 24:34S: 179:25W, h451km, mb4.8/35, mb5.2/19

ISCJB 26 05:17:34.0-0.4, 24:45S:0:03:179:94W:0.03, h503km, 5km, mb4.7/11.5, Error ellipse: s-maj=5.2km s-min=3.7km az=154.1

IDC 26 05:17:34.8-0.6, 24:42S:179:94W, h500km, 6km, mb4.2/27, mb1.4/3.28, mb1mx4.2/40, mbtmp5.0/28, Error ellipse: s-maj=9.1km s-min=8.6km az=27.0

WEL 26 05:17:35.0, 24:56S: 179:88W, h511km

NEIC 26 05:17:35.4-0.5, 24:56S:179:88W, h510km, 5km, mb4.8/80, Error ellipse: s-maj=5.3km s-min=4.4km az=159.0

GCMT 26 05:17:39.7-0.6, 24:55S:179:89E:0:04, h503km, 3km, MW5:2/62, Moment Tensor Solution, s=62.7; Duration: 1s0 Moment tensor: Scale 10^16Nm; Mr=2.77; 32; Mw=0.24; 55; Mw=2.53; 44; Mw=1.04; 53; Mw=0.55; 47; Mw=0.58; 46; Best double couple: Mw=1.1800e+16 NP1=8.0000e-08, 8.0000e-08, 0.0000e+00, -92.0000e-02; NP2: 0=197.0000e-08, 8.10000e-08, -81.0000e-08; Principal axes: T 8.0520, Plg35.0000, Azm99.0000; N 0.1310, Plg1.0000, Azm8.0000; P -8.1830, Plg55.0000, Azm276.0000; nst1 refers to body waves, cutoff=40s. Triangular moment-rate function

ISC 26 05:17:35.2-0.4, 24:55S:0:05:179:76W:0:04, h509km, 4km, h510km, n460, s1957/531, mb4.8/115, 41C-1D, South of Fiji Islands

2012 DEC

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like RIZ Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

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Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like PPT2 Papeete2, CAN Canberra, CAN Canberra, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like QSPA South Pole Qui, NQJW Ngawi, WQJW Wonorejo, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like GYA GYA, 319A Douglas, X16A Lo Mia Camp, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like KSH comp=Z,260nm,6.1s, KURK Kurchatov, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Manisa, Gura Zlata, Muravsky, Treast, Modra-Piesok, Buzias, Pungnia, Kasperske Hory, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Vitosha, Arzberg, Soboth, Obir, Terra Mystica, Wata, Reta, Mota, Sankt Quirin, Dava, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Charters Tower, Stephens Creek, Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Pulau Batu, Mandailing Nat, Sibolga, Gunungsitoli, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Matias Romero, Gura Zlata, Matias Romero, Tegucigalpa, Estel, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tackaleechnic, Barren Site, Ladron, Albuquerque, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Raoul Island, Katynovka, Ruskaya, etc.

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Baumata, Warramunga Arr, Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Matusue, Warramunga Arr, Stephens Creek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Crozet Islands, Ambodiratompo, Boshof, etc.

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DOMR Dombai, ARXR Arkhyz, NEY Neytrino, etc.

MOS 26 06:59:24.0±0.0, 42.51N±41.06E, h7km, MPVA3.1
DDA 26 06:59:43.1, 41.31N±41.61E, h6km, ML2.1, Suspected Mining explosion.

ISC 26 06:59:21.7±1.3, 42.39N±0.03±41.00E±0.05, h10km±12km, n11, c057/17, Black Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DOMR Dombai, DBOC Borcka, ARXR Arkhyz, etc.

TIF 26 07:16:56.5, 42.41N±41.06E, h9km±2km
DDA 26 07:16:57.4, 42.35N±41.07E, h7km, ML3.1
MOS 26 07:16:58.0±0.0, 42.53N±41.09E, h7km, MPVA3.3

ISC 26 07:17:00.9±2.1, 41.4N±41.50E, h5km±1km, ML2.4/3
ISC 26 07:16:56.9±1.3, 42.39N±0.02±41.04E±0.05, h7km±11km, n19, c1908/31, Western Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BATM Batumi, DOMR Dombai, BCBA Borcka, etc.

NIED 26 07:20:00.35±80N±141.00E, h20km, Mw3.4 Best double couple: M=1.43000±1014 NP1±211.00000°, 846.00000°, λ=47.00000°. NP2±338.00000°, 858.00000°, λ=125.00000°.

JMA 26 07:20:52.7±0.2, 35.79N±140.93E, h14km±1km, M3.6, 1C-1D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHOJ Chosi, JIHU Itakohorinouch, JHJU Hitachinakayam, etc.

ISCJB 26 07:26:47.9±0.8, 50.77N±0.1±157.2E±0.2, h113km±8km, mb3.2/6, Error ellipse: s-maj=25.3km s-min=6.7km az=39.4

MOS 26 07:26:47.0±0.7, 50.62N±157.23E, h111km, mb4.3/1, Error ellipse: s-maj=41.4km s-min=5.2km az=76.6

KRSC 26 07:26:47.9±1.1, 50.74N±157.32E, h104km, 13km, ML4.2
IDC 26 07:26:50.2±1.9, 51.23N±155.86E, h137km±23km, mb3.0/6, mb1 3.3/7, mb1mx3.0/43, mb1mp3.4/7, Error ellipse: s-maj=172.0km s-min=19.9km az=12.0

ISC 26 07:26:48.3±1.1, 50.68N±0.1±157.3E±0.1, h104km±10km, n55, c087/72, mb3.2/6, 1C, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

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

DALK Dalny 2.55 20 eP Pn 07 27 28.4 +0.3
DALK Dalny 2.55 20 PN Sn 07 27 28.4 +0.3

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

ILAR Eielson Array 31.78 42 P P 07 33 01.9 -0.3
H1N1 WAKE ISLAND Hy 31.78 163 T T 08 06 59.5

H1N1 WAKE ISLAND Hy 31.78 163 T T 08 06 59.5
H1S1 WAKE ISLAND Hy 32.92 163 T T 08 08 24.4

H1S3 WAKE ISLAND Hy 32.94 163 T T 08 08 27.1
H1S2 WAKE ISLAND Hy 32.94 163 T T 08 08 25.8

YKA Yellowknife Ar 46.14 40 P P 07 35 01.3 -0.4
WRA Warramunga Arr 73.14 203 P P 07 38 06.4 -0.8

TXAR Lajitas Array 73.22 64 P P 07 38 09.9 +2.0
ASAR Alice Springs 76.83 202 P P 07 38 28.2 -0.3

MEX 26 07:28:06.1±0.6, 18.10N±103.34W, h3km, MD3.9, Near coast of Michoacan

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

ISCJB 26 07:30:03.3±1.5, 5.4S±0.3±154.4E±0.2, h118km, mb3.1/5, Error ellipse: s-maj=48.5km s-min=12.2km az=136.7

IDC 26 07:30:06.3±6.8, 5.40S±154.30E, h132km±52km, mb3.0/5, mb1 3.3/6, mb1mx3.2/26, mb1mp3.6/6, Error ellipse: s-maj=68.6km s-min=29.6km az=112.0

ISC 26 07:30:04.5±1.8, 5.4S±0.3±154.4E±0.3, h118km±7, n7, Bougainville-Solomon Islands region

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

GUC 26 07:35:56.7±0.6, 32.86S±71.91W, h32km±5km, ML3.4
SJA 26 07:36:04.3±0.3, 32.70S±71.31W, h10km±6km, ML3.0, MW4.1

ISC 26 07:35:59.8±2.4, 32.81S±0.07±71.7W±0.2, h21km±6km, n12, c1509/19, 2C-3D, Near coast of central Chile

ROCH El Roble 0.58 107/1P Pn 07 36 11.4 +0.1
ROCH El Roble 0.58 107/1P Pn 07 36 22.3 +0.1

CLCH Cerro Calan 1.12 122/1P Pn 07 36 19.3 -1.1
CLCH Cerro Calan 1.12 122/1P Pn 07 36 46.8 +1.3

FCH Farellones 1.27 115/1P Pn 07 36 22.2 -0.5
FCH Farellones 1.27 115/1P Pn 07 36 41.6 +2.3

LMEL Las Melosas 1.61 131/1P Pn 07 36 26.4 -0.8
LMEL Las Melosas 1.61 131/1P Pn 07 36 49.7 +0.8

CMCH Combarbala 1.73 20 eP Pn 07 36 28.4 -0.3
CMCH Combarbala 1.73 20 eP Pn 07 36 52.4 +0.3

ARCO CERRO ARCO 2.31 92 iP Pn 07 36 40.7 -0.2
ARCO CERRO ARCO 2.31 92 iP Pn 07 36 44.5 -0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AAGR Agrelo, GO04 Tololo Observa, GO04 Tololo Observa, etc.

NIED 26 07:50:00.43±30N±147.30E, h53km, Mw3.8 Best double couple: M=5.85000±1014 NP1±166.00000°, 854.00000°, λ=37.00000°. NP2±53.00000°, 861.00000°, λ=138.00000°.

MOS 26 07:50:20.6±3.8, 43.43N±147.44E, h59km, mb4.3/9, Error ellipse: s-maj=11.1km s-min=7.9km az=111.5

SKHL 26 07:50:21.8±0.2, 43.40N±147.42E, h73km±1km, mb4.3/6, Error ellipse: s-maj=9.9km s-min=4.7km az=143.9

JMA 26 07:50:21.1±0.2, 43.29N±147.34E, h38km, M4.1
IDC 26 07:50:25.2±3.1, 43.44N±147.37E, h82km±26km, mb3.6/13, mb1 3.8/14, mb1mx3.6/42, mb1mp4.0/14, MS3.4/2, Ms1 3.4/2, ms1mx2.7/36, Error ellipse: s-maj=23.6km s-min=17.6km az=156.0

ISC 26 07:50:21.5±1.3, 43.36N±0.07±147.41E±0.06, h51km±10km, n78, c1904/96, mb3.9/15, 9C-4D, Kuril Islands

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

NEM2 Nemuro 2 1.22 271 P Pn 07 50 41.5 -0.6
NEM2 Nemuro 2 1.22 271 eS Sn 07 50 57.0 -0.5

YUK Yuzh-Kuril'sk 1.31 301 iP Pn 07 50 43.0 -0.4
YUK Yuzh-Kuril'sk 1.31 301 iP Pn 07 50 44.0 -0.4

YUK Yuzh-Kuril'sk 1.31 301 d iP Pn 07 50 43.1 -0.4
YUK Yuzh-Kuril'sk 1.31 301 d iP Pn 07 50 59.2 -0.6

GRPR Tuman 1.34 298 iP Pn 07 50 43.8 -0.1
GRPR Tuman 1.34 298 iP Pn 07 50 44.0 -0.1

GRPR Tuman 1.34 298 d iP Pn 07 50 43.6 -0.3
GRPR Tuman 1.34 298 d iP Pn 07 50 59.5 -1.1

GRPR Tuman 1.34 298 iP Pn 07 50 44.0 -0.1
GRPR Tuman 1.34 298 iP Pn 07 50 44.0 -0.1

GRPR Tuman 1.34 298 d iP Pn 07 50 44.0 -0.1
GRPR Tuman 1.34 298 d iP Pn 07 50 44.0 -0.1

LAGR Lagunnoye 1.36 301 iP Pn 07 50 44.0 -0.1
LAGR Lagunnoye 1.36 301 iP Pn 07 50 45.0 -0.1

LAGR Lagunnoye 1.36 301 iP Pn 07 50 44.0 -0.1
LAGR Lagunnoye 1.36 301 iP Pn 07 50 44.0 -0.1

LAGR Lagunnoye 1.36 301 iP Pn 07 50 44.0 -0.1
LAGR Lagunnoye 1.36 301 iP Pn 07 50 44.0 -0.1

LAGR Lagunnoye 1.36 301 iP Pn 07 50 44.0 -0.1
LAGR Lagunnoye 1.36 301 iP Pn 07 50 44.0 -0.1

GLVR Golovno 1.42 286 eP Pn 07 50 45.0 0.0
GLVR Golovno 1.42 286 eP Pn 07 50 45.0 0.0

GLVR Golovno 1.42 286 eP Pn 07 50 45.0 0.0
GLVR Golovno 1.42 286 eP Pn 07 50 45.0 0.0

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GLVR Golovno 1.42 286 eP Pn 07 50 45.0 0.0

GLVR Golovno 1.42 286 eP Pn 07 50 45.0 0.0
GLVR Golovno 1.42 286 eP Pn 07 50 45.0 0.0

26d 9h

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like ERM Erimo, JEM Erimo, JKK2 Kamakawa 2, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like H1N3 WAKE ISLAND Hy, SONMI Songino Array, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, ILAR Yellowknife Ar, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, INK Inuvik, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like RES Resolute Bay, YKA Yellowknife Ar, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like YKA Yellowknife Ar, PSI Prapat, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, FINES FINESS Array B, etc.

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Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like BOAC Boac, BOLP Polilio Island, etc.

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

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, PDGK Podgornoye, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like PDGK Podgornoye, MAZK Makanchi, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like MAZK Makanchi, IMP Imphal, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like SAIH SAHAI, KOHI KOHIMA, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like SILR SILCHAR, SHL Shillong, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like TEZP TEZPUR, GIRO ZIRO, etc.

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Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like SONAO Songino Array, SONM Songino Array, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like MK32 Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, KABL Kaban, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like AAK Ala-Archa, GAR Garm, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like BTK Batken, CHGR Chuyangaron, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like JOW Kungigami, JOW Kungigami, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like ZALV Zalevovo Beam, ZALV Zalevovo Beam, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like ZAA1 Zalevovo Array, GEYT Alibek, etc.

NCC 26 08:54:37.1-3.2, 36°48'N-69°47'E, h0km, mb4.2, mpv3.8, 3C-3.4/11, m1mx3.8/38, mbtmp3.9/16, ML4.5/11, MS3.3/11, Ms1.3/4/11, m1mx3.1/33, Error ellipse: s-maj=30.4km s-min=11.1km az=62.0

ISC/JB 26 08:48:45.2-0.3, 23°07'N-105°05'90"E-0'05, h32km, mb4.2/25, MS3.2/10, Error ellipse: s-maj=9.1km s-min=3.1km az=136.9

NDI 26 08:48:47.2-4.2, 23°14'N-96°06'E, h35km, ML4.2, Error ellipse: s-maj=1.2km s-min=4.5km az=56.0

NEIC 26 08:48:47.9-0.3, 23°21'N-96°18'E, h35km, mb4.4/12, Error ellipse: s-maj=11.2km s-min=4.5km az=56.0

ISC 26 08:48:47.6-0.5, 23°19'N-106°05'98"E-0'06, h32km, n81, c°180/85, mb4.2/25, MS3.2/10, Myanmar

IDC 26 07:56:27.3-46.0, 23°90'S-173°35'W, h0km, mb4.1/3, mb1.4/2.3, m1mx3.8/30, mbtmp4.1/3, Error ellipse: s-maj=870.0km s-min=179.0km az=88.0, Tonga Islands region

IDC 26 08:10:25.6-1.1, 13°30'N-122°91'E, h0km, mb3.5/6, mb1.3/7.6, m1mx3.5/40, mbtmp3.5/6, Error ellipse: s-maj=28.5km s-min=13.6km az=30.0

MAN 26 08:10:29.3, 13°72'N-122°70'E, h13km, mb4.2, ML3.0, MS2.7

ISC 26 08:10:27.3-1.8, 13°75'N-122°74'E-0'07, h3km±11km, n20, c°211/30, mb3.5/6, 2C, Luzon

ISC 26 08:10:27.3-1.8, 13°75'N-122°74'E-0'07, h3km±11km, n20, c°211/30, mb3.5/6, 2C, Luzon

ISC 26 08:10:27.3-1.8, 13°75'N-122°74'E-0'07, h3km±11km, n20, c°211/30, mb3.5/6, 2C, Luzon

ISC 26 08:10:27.3-1.8, 13°75'N-122°74'E-0'07, h3km±11km, n20, c°211/30, mb3.5/6, 2C, Luzon

ISC 26 08:10:27.3-1.8, 13°75'N-122°74'E-0'07, h3km±11km, n20, c°211/30, mb3.5/6, 2C, Luzon

ISC 26 08:10:27.3-1.8, 13°75'N-122°74'E-0'07, h3km±11km, n20, c°211/30, mb3.5/6, 2C, Luzon

ISC 26 08:10:27.3-1.8, 13°75'N-122°74'E-0'07, h3km±11km, n20, c°211/30, mb3.5/6, 2C, Luzon

ISC 26 08:10:27.3-1.8, 13°75'N-122°74'E-0'07, h3km±11km, n20, c°211/30, mb3.5/6, 2C, Luzon

ISC/JB 26 08:54:52.4-0.5, 38°54'N-103°31'60"E-0'04, h0km, Error ellipse: s-maj=4.9km s-min=3.2km az=135.4

DDA 26 08:54:52.8, 38°54'N-103°31'58"E, h7km, ML2.8, Suspected Mining explosion.

ISK 26 08:54:52.4, 38°48'N-31°62'E, h10km, ML2.1/8

ISC 26 08:54:51.0-0.9, 38°51'N-103°31'59"E-0'03, h0km, n17, c°60/24, Turkey

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like DOGA KONYA, DOGA KADINHANI, etc.

MOS 26 08:59:32.3-0.0, 42°53'N-41°04'E, h8km, MPVA3.4

DDA 26 08:59:50.2, 41°37'N-41°65'E, h3km, ML1.9, Suspected Mining explosion.

ISC 26 08:59:29.4-1.3, 42°38'N-103°41'02"E-0'04, h9km±15km, n13, c°65/23, Western Caucasus

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like DOMR Dombai, DBOC Borcka, etc.

KRSC 26 09:23:10.6-0.6, 54°95'N-162°32'E, h54km±10km, ML3.7, Near east coast of Kamchatka Peninsula

Table with columns: Station Name, Time, Res, Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like MKZ Mys Kozlova, TUMD Tumrok D, etc.

26d 11h

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists various stations like BKZ, PKVZ, DUWZ, etc.

MOS 26 10:40:31.5±0.0, 42°52'N-41°12'E, h7km, MPVA2.8
DDA 26 10:40:50.4, 41°32'N-41°68'E, h7km, M1.6, Suspected Mining explosion.

ISC 26 10:40:28.7±1.9, 42°41'N-0°03.41'00E±0.09, h7km±12km, n11, c0567/20, Black Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like BATM, DOMR, ARXK, etc.

ISC/CJB 26 10:46:50.1±0.5, 44°87'N-0°08:145°03'E±0.09, h287km±6km, mb3.2/6, Error ellipse: s-maj=14.8km s-min=8.4km az=148.9

ICD 26 10:46:51.0±1.2, 45°38'N-144°99'E, h250km±18km, mb3.1/6, mb1.3/2/10, mb1mx3.0/41, mbtmp3.7/10, Error ellipse: s-maj=42.1km s-min=17.6km az=162.0

JMA 26 10:46:51.9±0.3, 45°04'N-145°01'E, h257km, M3.3 SKHL 26 10:46:51.1±0.9, 44°34'N-146°42'E, h320km±10km, mb4.5/4, msh5.1/3

ISC 26 10:46:51.0±0.8, 44°90'N-0°08:145°07'E±0.07, h282km±7km, n30, c191/41, mb3.3/6, Hokkaido region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like YUK, GRPR, GLVR, etc.

2012 DEC

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like JEW, ENIWO, KYABE, etc.

JMA 26 10:53:09.7±0.1, 23°87'N-121°68'E, h50km±2km, M3.4
ISC/CJB 26 10:53:10.4±0.3, 23°93'N-0°02:121°72'E±0.02, h56km±4km, Error ellipse: s-maj=3.4km s-min=2.1km az=138.4
TAP 26 10:53:10.5, 23°92'N-121°68'E, h51km, M3.5, B
ISC 26 10:53:11.0±1.2, 23°92'N-0°02:121°71'E±0.02, h47km±6km, n101, c0990/151, 16C-8D, Taiwan

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like ENLB, ENLB, HWA, etc.

1292

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like CHNS, CHNS, NMLH, etc.

MEX 26 11:08:15.2±0.8, 16°24'N-98°11'W, h3km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like PNIG, PNIG, TLIG, etc.

Table with columns: WHO, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for Vista Hermosa and IDC 26 11:11:08.2.0.6.60S.

NIED 26 11:44:0.0.36.80N:138.70E, h5km, Mw4.1 Best double couple: Mo:1.58000e+10...

JMA 26 11:44:41.3.36.81N:138.70E, h5km, Mw3.8 Broadband fault plane solution: P waves. NP1: 0.332.00000...

ISC 26 11:44:41.1.1.36.83N:0.003.138.68E:0.03, h5km, 7km, n36, e102/45, mb3.7/18, MS3.0/4, SC-2D, Eastern Honshu

Main table for station data in Honshu region, including stations like Kuni, Katsushina, Matsushiro, Hiroka, etc.

KRNET 26 11:50:18.9.0.1.39.39N:74.75E, mb3.0 SOME 26 11:50:18.1.39.43N:74.83E, h0km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for Sufi-Kurgan and LPaz.

Main table for station data in the 2012 DEC section, including stations like KSH, DRK, ARLS, etc.

IDC 26 12:07:23.2.2.4.5.68S:130.61E, h0km, mb3.7/1, mb1 3.3/3, mb1mx3.2/31, mbmtmp3.2/4, ML3.3/2.1, Error ellipse: s-maj=150.3km s-min=30.6km az=71.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, ASAR, MKAR.

DDA 26 12:21:33.6.37.31N:37.11E, h7km, ML3.0 ISK 26 12:21:33.9.37.34N:37.14E, h8km, ML2.0/4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for GAZ, KMRS, GZT, etc.

GII 26 12:43:17.2.0.0.33.82N:35.51E, h9km, MD1.3/4 ISCBJ 26 12:43:18.1.1.0.33.83N:0.05.35.53E:0.09, h2km, 5km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for BHL, DQRL, RCY, etc.

Table with columns: MMAOB, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for BLGI, OFRO, MMLI, etc.

IDC 26 13:01:56.4.1.7.67S:128.41E, h0km, mb3.4/1, mb1 3.3/4, mb1mx3.2/31, mbmtmp3.2/4, ML2.7/3, Error ellipse: s-maj=58.4km s-min=29.2km az=78.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for SIJI, WRA, ASAR, MKAR.

IDC 26 13:04:35.7.1.9.199N:124.74E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.4/4, mbmtmp3.6/3, MS2.9/1, Msl1 2.9/1, mb1 3.6/5, mb1mx3.4/4, mbmtmp3.4/5, ML3.3/4, MS2.4/1, s-min=25.4km az=64.0, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, JAW, ASAR, MKAR.

IDC 26 13:12:20.7.3.7.13.73N:82.31W, h0km, mb3.4/2, mb1 3.6/5, mb1mx3.4/4, mbmtmp3.4/5, ML3.3/4, MS2.4/1, Msl1 2.4/1, ms1mx2.2/26, Error ellipse: s-maj=72.0km s-min=34.0km az=7.0

MEX 26 13:12:23.6.0.6.1.376N:92.29W, h16km, 341km, MD.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for THIG, PCIG, APG, APG, CCGI, CCGI, CMIG, CMIG, TXAR, ANMO, YKA, CMAR.

GUC 26 13:17:56.2.0.5.37.35S:73.70W, h33km, 28km, ML5.2, MW5.3

NEIC 26 13:17:57.3.1.0.37.27S:73.27W, h29km, 6km, mb5.5/232, MS5.2/106, MW5.2, MW5.3(GUC), Error ellipse: s-maj=5.1km s-min=2.6km az=78.0, Moment Tensor Solution: s26 Moment tensor: Scale 10^16Nm; Mw:6.72; Mw0:6.9; Mw-7.41; Mw-0.02; Mw0.95; Mw-4.70; Best double couple: Mo1:4.8400e+10...

NEIC FEL [V] at Arauco and Tomco; [IV] at Cauquenes, Cobquevura, Collipulli, Concepcion, La Laja, Los Sauces and Renaico; [III] at Angol, Constitucion, Erillia, Linares, Longavita, Parral, Puren, Tirua, Victoria and Villa Alegre; [II] at Curahue, Curico, Lumaco, Mautle and San Clemente. Also felt at Chillan and Temuco.

ISC 26 13:17:57.9.0.6.37.21S:0.02.73.22W:0.06, h44km, 5km, mb5.4/243, MS5.1/132, Error ellipse: s-maj=7.8km s-min=3.8km az=173.7

GMT 26 13:17:58.3.1.2.37.41S:0.01.73.78W:0.02, h25km, MW5.4/99, Moment Tensor Solution: s81.c127; s99.c162; Duration: 1s2 Moment tensor: Scale 10^17Nm; Mw:0.81-0.02; Mw0:0.44-0.1; Mw0-0.85-0.2; Mw-0.04-0.13; Mw-0.05-0.1; Mw-1.23-0.06; Best double couple: Mo1:4.8400e+10...

MOS 26 13:17:58.3.1.2.37.14S:73.27W, h41km, mb5.7/49, MS5.2/6 Error ellipse: s-maj=13.9km s-min=6.2km az=94.9

IDC 26 13:17:59.8.2.4.37.30S:73.23W, h43km, 21km, mb4.8/27, mb1 4.9/31, mb1mx4.8/38, mbmtmp3.0/31, ML4.4/4, MS4.8/19, Msl1 4.8/19, ms1mx4.7/26, Error ellipse: s-maj=16.7km s-min=10.2km az=85.0

ISC 26 13:17:59.1.0.37.33S:0.03.73.41W:0.06, h32km, 6km, n1025, d699/973, mb5.5/242, MS5.1/132, 32C-12D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for CCSP, CCHI, CCHI, TMU, TMU, TMU, G005, G005, G005, G005, G005, G006, G006, G006, G006, PLCA.

1295

Table with columns: Call ID, Name, Frequency, Power, Direction, and other details. Includes entries like UCPARC, Pauline, X52A, etc.

2012 DEC

Table with columns: Call ID, Name, Frequency, Power, Direction, and other details. Includes entries like WHAR, U49A, X37A, etc.

26d 13h

Table with columns: Call ID, Name, Frequency, Power, Direction, and other details. Includes entries like Q48A, R43A, P53A, etc.

26d 13h

Table with columns: Call Sign, Location, Frequency, Power, and other parameters. Includes entries like 042A Bath, M54A Oil Creek Stat, M51A Glynria, etc.

2012 DEC

Table with columns: Call Sign, Location, Frequency, Power, and other parameters. Includes entries like IRM Iron Mountain, K42A Prairie Point, I51A Listowel, etc.

1296

Table with columns: Call Sign, Location, Frequency, Power, and other parameters. Includes entries like G43A Wallace, H39A Augusta, G42A Listowel, etc.

1301

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like RTLS Leoncito, AUSP Uspallata, RTVC Cerro Valdivia, etc.

ISK 26 15:10:04.6, 38.67N, 43.24E, h26km, ML2.4/5,
ISCJB 26 15:10:06.2, 0.7, 38.69N, 0.04, 43.21E, 0.05, h20km, 1.0km,
Error ellipse: s-maj=7.3km s-min=6.5km az=1.8

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like VANB Van, TVAN Van, VMUR Van-Muradiye, etc.

JMA 26 15:10:37.1, 24.54N, 122.33E, h29km, 3km, M2.7,
TAP 26 15:10:37.3, 24.60N, 122.28E, h13km, ML3.1, C
ISC 26 15:10:37.2, 1.0, 24.61N, 0.02, 122.34E, 0.02, h18km, 3km,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like EOSE1 EOSE1, TWC Suao, TWC Suao, etc.

2012 DEC

Table with columns: YM05, Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like NSK baz=301, NSK baz=268, NSK baz=268, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like TWS1 Kuangyinshan, TWS1 baz=295, NTST Dhanhui, etc.

JMA 26 15:11:52.6, 0.1, 40.55N, 139.16E, h14km, 2km, M3.8,
1C-10, Near west coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like JOG3 Oga3, JOG3 Oga3, JIWW Iwasaki, etc.

26d 15h

Table with columns: JTM Tenmabayashi, JTM JTM, JOSM Okushiri-Mats, etc.

ISCJB 26 15:14:43.3, 0.7, 22.48N, 0.05, 93.67E, 0.04, h10km,
mb3.7/6, Error ellipse: s-maj=7.1km s-min=5.6km
az=160.2

NDI 26 15:14:47.1, 2.2, 22.50N, 93.52E, h19km, 12km, ML3.8
IDC 26 15:14:51.1, 2.4, 22.48N, 93.44E, h67km, 28km, mb3.6/6,
mb1.3/7.7, mb1rx3.2/6.1, mb1rx3.6/7.7, ML3.3/1, Error
ellipse: s-maj=28.1km s-min=15.0km az=51.0

ISC 26 15:14:45.6, 0.9, 22.56N, 0.07, 93.54E, 0.06, h10km, n17,
c1873/25, mb3.9/6, Myanmar-India border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like SAIH SAIHA, SAIH SAIH, SAIH SAIH, etc.

ISCJB 26 15:15:47.4, 0.5, 37.46N, 0.04, 28.11E, 0.05, h0km, Error
ellipse: s-maj=5.9km s-min=4.7km az=44.6

DDA 26 15:15:47.8, 37.44N, 28.10E, h7km, ML2.6, Suspected
Mining explosion.
ISK 26 15:15:47.7, 37.46N, 28.07E, h7km, ML2.2/5
ISC 26 15:15:47.2, 0.9, 37.46N, 0.03, 28.15E, 0.04, h0km, n19,
c0847/21, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like PRU 26 15:18:35.1, 0.0, 50.26N, 19.03E, h0km, Poland

IPEC 26 15:18:46.1, 0.5, 49.81N, 18.57E, h0km, ML1.5/2, Error
ellipse: s-maj=4.3km s-min=2.0km az=124.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like OKC Ostrava-Krasne, OKC Ostrava-Krasne, OKC Ostrava-Krasne, etc.

26d 17h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Shelbville, Mont Chateau, Kaden, Bauxite, Princeton, Reedsville, Bidwell, Paris, Wiedeman Farm, Springfield, Sharon Grove, Sharon Grove, Eaglette Beard, Springville, Buckhannon, Bowling Green, Catlettsburg, Richmond, Clarksville, Waverly, Waverly, Edmonton, Beattyville, Beattyville, Holladay, Castle Pea, Nancy, Nunnely, Red Boiling Sp, Gray, Smith Brothers, Hallie, Westpoint, Jamestown, Booneville, McMinnville, Mineral, Yeager Farm, Tazewell, Pulaski, Blacksburg, Thorn Hill, Russelville, Pikeville, Houston, Belvidere, Sewanee, Loudon, Loudon, Hartselle, Hartselle, Sevierville, Sevierville, Signal Mountain, Signal Mountain, UCPAC, Winfie, Tuckaleechee, Houston Renfro, Woodville, Cleveland, Jasper, Saluda, Saluda, Murphy, Carrollton, Northport, Calhoun, Cullohee, Blount Mountain, Blount Mountain, Livingstone, Lake Jocassee, Piedmont, Dahlonega, Lakeview Retre, Rockmart, Quitman, Columbian, Kings Mountain, Estanollee, Ashland, Liburn, Dixon Mills, Jones, Eclectic, Camden, Tignall, Williamson, Godfrey, Monticello.

2012 DEC

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Opelika, Grady, Waverly Hall, Sparta, Midway, Blythe, Abbeville, MEX 26:16:26:04.5:0.5, THIG, THIG, PCIG, CCIG, WEL 26:16:43:44.0:9.3, MXZ, MXZ, WMGZ, PKGZ, PUKetti, HAZ, HAZ, TWGZ, RUGZ, CNGZ, TKGZ, MWZ, WHRZ, RIGZ, RAGZ, URZ, PRZ, MARZ, EDRZ, SNGZ, OPRZ, KNZ, MUGZ, MYRZ, TARZ, GRZ, RAHZ, WHZ, KARZ, MTHZ, ALRZ, TOZ, ARHZ, MRHZ, KUZ, BKZ, MCHZ, GRZ, TLZ, KWHZ, KAHurana, MWKZ, WJLZ, KRHZ, BHZ, ETAZ, KRHZ, PKZ, KBKZ, MABZ, NGZ, ABZ, MOVZ, TWZ, AWAZ, PUKenui, WTAZ, HIZ, RVAZ, TSKZ, DVHZ, VRZ, ISC/JB 26:16:50:48.0:0.3, ISC 26:16:50:49.7:0.5, ISC 26:16:50:49.7:0.5, Code Station Name, RABL, HNR, PMG, PMG, PMG, COEN, CTA, CTAO, DZM, DZM, EIDS, SIJL, WRAB, WBZ, WRA, WRA, WRA, ASAR, ASAR, STKA, FITZ, BATI, MBWA, URZ.

1304

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Tophouse, Lake Taylor, Oxford, Rata Peaks, Rata Peaks, Petropavlovsk, Chiang Mai Arr, Chengdu, Hu-ho-hao-te, Lanzhou, Lanzhou, Lanzhou, Gaotai, Songrio Array, Vanda, Biliubin, Urumqi, Eielson Array, Dot Lake, Zalesovo Beam, South Pole Qui, Kashi, Kashi, Kashi, Kashi, KURK, KURB, NV01, NVK, YKA, YKB, TORD, IDC 26:16:58:41.1, GUMU, GUMU, WRA, ASAR, SONM, MKAR, KURB, ILAR, BVAR, YKA, FINES, IDC 26:17:29:44.1, KRSC 26:17:44:17.8, RUS, RUS, KDR, KDR, MTRV, MTRV, KRMR, KRMR, PETR, DALK, DALK, UGLR, UGLR, NLC, NLC, SMAR, SMAR, AVH, SDR, SDR, KOK, KOK.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Malin Array S, Vri Vri, Plostina, etc.

MOS 26 19:19:53.0, 42.37N, 41.04E, h2km, MPV4.0
ISK 26 19:19:54.3, 42.37N, 41.15E, h2km, 2km
DDA 26 19:19:55.0, 42.15N, 40.88E, h7km, M3.6
AZER 26 19:20:03.6, 18.41N, 40.70E, h10km, m3.0/4, Error ellipse: s-maj=90.9km s-min=15.2km az=11.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Domr Dombai, Batm Batumi, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Trabzon, MACK Shabzon, etc.

SOME 26 19:37:07.4, 43.17N, 71.57E, h15km
KRNET 26 19:37:08.4, 41.22N, 90N, 71.55E, h18km, mb2.7
ISC 26 19:37:07.9, 1.2, 43.05N, 0.06, 71.56E, 0.02, h10km, 12km, n14, r130/28, 10C-4D, Central Kazakhstan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Karatay Array, Merke, etc.

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

IDC 26 19:43:57.5, 2.7, 25.89S, 179.20W, h419km, mb3.2/5, mb1.3/6/8, mb1mx3.3/25, mbtmp4.2/8, Error ellipse: s-maj=27.2km s-min=17.0km az=157.0
WEL 26 19:43:57.7, 1.2, 26.5S, 172.17W, h4.0, h446km, 16km
ISC 26 19:43:59.7, 0.8, 25.92S, 179.17W, 0.1, h450km, n53, r160/59, mb3.5/5, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Green Lake, Waipu Caves, etc.

IDC 26 19:52:10.1, 2.0, 7.85S, -127.13E, h0km, mb3.4/1, mb1.3/3/3, mb1mx3.1/34, mbtmp3.1/3, ML3.1/2, MS2.9/1, Ms1.2/9.1, ms1mx2.4/1.5, Error ellipse: s-maj=283.0km s-min=32.0km az=63.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WRA Waramunga Arr, Alice Springs, etc.

IDC 26 19:54:10.9, 1.7, 38.66N, 55.07E, h0km, mb3.4/4, mb1.3/0/10, mb1mx3.5/30, mbtmp3.7/10, ML3.4/6, MS2.9/2, Ms1.0/2, ms1mx2.4/30, Error ellipse: s-maj=24.5km s-min=11.6km az=177.0
ISC 26 19:54:12.4, 0.8, 38.79N, 0.09, 54.97E, 0.04, h33km, mb3.4/5, MS3.0/1, Error ellipse: s-maj=13.1km s-min=4.2km az=171.1
AZER 26 19:54:13.4, 1.5, 38.86N, 55.00E, h50km, m3.7/4, Error ellipse: s-maj=19.4km s-min=12.0km az=56.0
NNC 26 19:54:18.7, 3.5, 39.29N, 55.85E, h0km, mb3.8, Error ellipse: s-maj=35.8km s-min=19.0km az=56.0
ISC 26 19:54:17.1, 1.3, 38.79N, 0.09, 55.11E, 0.05, h35km, n31, c255/43, mb3.3/5, 16C-12D, Iran-Turkmenistan border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GDB, QZX, KBZ, KVAR, AB31, AKTO, etc.

IDC 26:20:00:29.2.1.2, 33.06N-96.43E, h0km, mb3.3/4, mb1 3.5/7, mb1mx3.3/5.3, mbtmp3.3/7, ML3.5/3, MS3.3/3, Ms1 3.3/3, ms1mx2.7/2.6, Error ellipse: s-maj=69.6km, s-min=18.8km az=64.0, Qinghai

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMAR, SONM, MKAR, KURBB, ZALV, ASF, JAY, WRA, ASAR, etc.

IDC 26:20:03:41.0.1.0, 43.70N:105.50W, h0km, mb3.6/2, mb1 3.5/8, mb1mx3.3/5.1, mbtmp3.2/8, ML3.3/6, MS3.1/1, Ms1 3.1/1, ms1mx2.4/3.6, Error ellipse: s-maj=21.2km, s-min=8.5km az=147.0

ISCJB 26:20:03:41.0.0.4, 43.75N:105.27W:0.04, h0km, mb3.6/2, Error ellipse: s-maj=4.8km s-min=4.1km az=144.9

NEIC 26:20:03:42.3.0.4, 43.79N:105.26W, h0km, ML3.2, MN2.9, Error ellipse: s-maj=4.9km s-min=4.7km az=74.0, Suspected Mining explosion.

NEIC 59 km [37 miles] SSE of Gillette, ISC 26:20:03:41.8.0.8, 43.76N:105.05W:0.05, h0km, n76, c=180/73, Wyoming

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like RSSD, K22A, PHWY, RWWY, N23A, LAO, RLMT, PD31, PDAR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PV02, PV01, PV01, PV01, etc.

JMA 26:20:07:49.1, 38.64N:141.91E, h48km, 1km, M3.6, JMA Fell II, JMA

IDC 26:20:07:52.2.2.4, 39.24N:140.50E, h0km, mb3.6/6, mb1 3.7/7, mb1mx3.4/4.2, mbtmp3.6/7, ML2.9/1, Error ellipse: s-maj=74.4km s-min=20.5km az=70.0

ISC 26:20:07:48.0.1.9, 38.64N:105.142E:0.1, h43km, 12km, n26, c=134/28, mb3.7/6, Near east coast of eastern Honshu

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

IDC 26:20:07:60.0.65.0, 21.22S:178.55W, h0km, mb3.6/3, mb1 3.8/8, mb1mx3.5/3.2, mbtmp3.6/3, Error ellipse: s-maj=1181.0km s-min=167.2km az=84.0, Fiji Islands region

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

IDC 26:20:19:17.5.1.9, 22.72S:171.97W, h0km, mb4.1/4, mb1 4.3/6, mb1mx3.8/4.6, mbtmp4.2/6, ML4.1/2, Error ellipse: s-maj=62.5km s-min=33.0km az=172.0, Tonga Islands region

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

MOS 26:20:24:25.1.0.9, 10.39S:13.15W, h10km, mb5.4/4.3, MS4.8/16, Error ellipse: s-maj=11.3km s-min=5.8km az=63.0

IDC 26:20:24:25.3.0.4, 10.43S:13.14W, h0km, mb4.6/3/7, mb1 4.7/9, mb1mx4.6/5.1, mbtmp4.6/3/8, ML3.5/1, MS4.6/17, Ms1 4.6/17, ms1mx4.6/5.1, Error ellipse: s-maj=13.4km s-min=9.5km az=120.0

BJI 26:20:24:25.3, 10.40S:13.20W, h9km, mb5.2/2, mb5.4/2, Ms5.2/5, Ms7.5/8

ISCJB 26:20:24:26.0.0.2, 10.44S:0.04S:13.04W:0.03, h14km, s-min=4.1km az=152.4

NEIC 26:20:24:26.6.0.2, 10.41S:13.13W, h10km, mb5.3/6/5, MS4.9/6/6, Error ellipse: s-maj=6.7km s-min=5.1km az=144.0

NEIC Fell at Georgetown, GCMT 26:20:24:28.6.0.1, 10.45S:0.01S:13.09W:0.01, h12km, MW6.2/120, Moment Tensor Solution: s66,c85, s120,c203, Duration: 150 Moment tensor: Scale 10^17 Nm, Mn: 0.002; 0.01; Mw: 0.06; 0.1; Ms: 0.73; 0.1; Mo: 1.9; 0.4; Mo: 0.20; 0.1; Mo: 0.1; 0.03; Best double couple: Mo.830000:10^17 NP1:35.335:00000:853.00000, lambda:101.00000, NP2:174.00000:839.00000, lambda:75.00000, Principal axes: T 0.8150, Plg7.00000, Azm73.00000; N 0.03000, Pigs.00000; Azm342.00000; P -0.8450, Plg78.00000; Azm201.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 26:20:24:27.6.0.3, 10.33S:0.05S:13.13W:0.06, h14km, n493, c=153/436, mb5.1/1/25, MS4.9/102, 45C-12D, Ascension Island region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like H10S2, H10S1, H10S3, ASCN, H10N1, H10N3, H10N2, LIC, KIC, TIC, DBIC, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes entries like LPAZ La Paz, H05N1 Guadeloupe/Mar, LVC Limon Verde, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes entries like SOP Sopron, HERR Herculeane, KHC Kasperske Hory, etc.

26d 20h

Table with columns for call sign, frequency, power, and other technical details. Includes entries like ARCR ARCALIA, TRPA Tarpa, TIRRA Targuor, etc.

26d 23h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SIV San Ignacio, FITZ Fitzroy Crossi, JOHN Johnston Island, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ISCO Cedar Bluff, CBKS Cedar Bluff, AHID Auburn Hatcher, etc.

1314

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like GTA comp=Z,250nm,21.3s, ULN Ulanbaatar, SONM Songino Array, etc.

ISK 26 23:17:49.3, 38.92N-43:56E, h2km, ML2.3/5
DDA 26 23:17:49.3, 38.88N-43:52E, h7km, ML2.7
ISCJB 26 23:17:50.3, 38.93N-43:53E, 0.05, h12km, 3km,
Error ellipse: s-maj=6.0km s-min=4.0km az=6.9
ISC 26 23:17:50.3, 38.91N-43:53E, 0.04, h10km, 7km,
n14, c08125, Turkey

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

NIC 26:23:22.26.4.0.2.34.86N.33.50E, h36km, ML3.0
ISCUB 26:23:22.27.1.1.0.34.85N.0.08:33.48E:0.05, h33km, 7km,
Error ellipse: s-maj=13.9km s-min=6.1km az=164.5

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

JMA 26:23:36:27.9.0.2.28.60N:142.49E, h24km, M5.0
ISCUB 26:23:36:29.6.0.2.28.46N:0.03:141.91E:0.05, h36km,
mb4.3/42, MS3.8/2, Error ellipse: s-maj=6.5km

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHH, BSO, R11, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H1N2, H1N1, H1N3, etc.

Table with columns: WMO, comp, E, 92nm, 22.3s, LR, LR, LR. Includes station ZALV.

Table with columns: WMO, comp, Z, 1.0nm, 0.5s, baz=86, slow=3.5, SNR=3.6. Includes station WRA.

Table with columns: WMO, comp, Z, 0.8nm, 0.7s, baz=8.0, slow=4.6, SNR=7.7. Includes station RAMN.

Table with columns: WMO, comp, Z, 0.7nm, 0.4s, baz=90, slow=7.7, SNR=16. Includes station GUN.

Table with columns: WMO, comp, Z, 0.7nm, 0.6s, baz=76, slow=5.1, SNR=9.0. Includes station PKIN.

Table with columns: WMO, comp, Z, 0.9nm, 0.8s, baz=76, slow=5.1, SNR=9.0. Includes station PAKN.

Table with columns: WMO, comp, Z, 0.7nm, 0.4s, baz=294, slow=5.4, SNR=22. Includes station INK.

Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station INK.

Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station ARU.

Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station ARU.

Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station ARU.

Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station ARU.

Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station ARU.

Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station ARU.

Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station ARU.

Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station ARU.

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Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station ARU.

Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station ARU.

Table with columns: WMO, comp, Z, 2.2nm, 0.5s, baz=294, slow=5.4, SNR=22. Includes station ARU.

Table with columns: H10S3, ASCENSION HYDR, 1.66 318 Pn T. Includes station H10S3.

Table with columns: H10N1, ASCENSION HYDR, 2.52 338 Pn P. Includes station H10N1.

Table with columns: H10N2, ASCENSION HYDR, 2.54 338 Pn P. Includes station H10N2.

Table with columns: TORD, Torodi Arr, Bea, 27.70 33 P. Includes station TORD.

Table with columns: GERES, GERES Array B, 63.52 20 P. Includes station GERES.

Table with columns: MLR, Muntele Ross, 65.84 29 P. Includes station MLR.

Table with columns: BRTR, Keskin Array B, 66.18 38 P. Includes station BRTR.

Table with columns: AKASE, Main Array Be, 71.12 27 P. Includes station AKASE.

Table with columns: QSPA, South Pole Qui, 79.93 180 P. Includes station QSPA.

IDC 26:23:47:26.0.1.2.36:10N:1.27E, h0km, mb3.3/4, mb1.3/5.7,
mb1mx3.3/44, mb1mt3.3/7, ML3.1/3, MS2.7/1, Ms1.2/7.1,
ms1mx2.3/21, Error ellipse: s-maj=25.1km s-min=21.2km

CRAAG 26:23:47:26.1.35:80N:1.20E, M3.6
MDD 26:23:47:27.2.0.5.35:84N:1.31E, h0km, mb4.0/25, Error
ellipse: s-maj=4.9km s-min=4.5km az=90.0, PRXIM0

ISC 26:23:47:27.0.1.2.35:85N:0.03:1.25E:0.03, h12km, 8km,
n65, i197/92, mb3.5/3, Northern Algeria

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

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

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

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

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

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

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

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

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

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

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

ISCUB 26:23:36:43.5.2.1.42:36N:0.03:40.86E:0.09, h29km, 21km,
Error ellipse: s-maj=10.8km s-min=4.5km az=172.4
MOS 26:23:36:43.8.0.0.42:55N:41.07E, h7km, MPVA2.9
DDA 26:23:36:43.0.42:27N:41.01E, h6km, M12.6

ISC 26:23:36:42.9.1.2.42:40N:0.03:41.01E:0.06, h31km, 14km,
n13, o583/25, Western Caucasus

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

IDC 26:23:43:04.1.2.2.10:15S:13.76W, h0km, mb3.9/6,
mb1.4/7, mb1mx3.7/44, mbmt3.9/7, ML3.5/1, Error
ellipse: s-maj=179.9km s-min=28.3km az=108.0

ISC 26:23:43:06.3.1.3.10:2S:0.1x13.6W:0.2, h10km, n13,
o571/13, mb4.1/6, Ascension Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations H10S2, H10S1, etc.

27d Oh

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KEST, EMIN, CLI, EBAAD, etc.

ISCJB 26:23:49.27.0.0.6.35.42S.01.105.2W.0.1, h10km, mb4.2/28, MS4.3/12, Error ellipse: s-maj=17.4km s-min=12.2km az=144.1

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H01W2, H01W3, WR1, etc.

NAO 26:23:58.36.7.1.76.95N.18.85E, h9km, 10km, ML2.7 IEPN 26:23:58.39.0.77.04N.19.91E, h5km, station ZF12 has station magnitude of 2.96

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

Code Station Name Az Az' Phase ID Time Res. Includes stations like SPA0, SPA1, etc.

Code Station Name Az Az' Phase ID Time Res. Includes stations like SPA0, SPA1, etc.

Code Station Name Az Az' Phase ID Time Res. Includes stations like SPA0, SPA1, etc.

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Code Station Name Az Az' Phase ID Time Res. Includes stations like SPA0, SPA1, etc.

Code Station Name Az Az' Phase ID Time Res. Includes stations like SPA0, SPA1, etc.

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

CRAAG 27:00:05:57.6.35.79N.1.22E, ML2.8 ISCJB 27:00:05:58.9.0.7.35.86N.0.04.1.21E.0.05. h15km, Error ellipse: s-maj=5.8km s-min=5.4km az=148.4

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

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

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

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

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

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

27d Oh

Table with columns: RKT, Rikitea, comp, 54.36 266, eS, S, 00 54 13.6 +0.4, etc. Lists various radio stations and their frequencies.

2012 DEC

Table with columns: Z45A, Winona, 70.48 346, P, P, 00 48 21.1 -1.4, etc. Lists radio stations for December 2012.

1318

Table with columns: W39A, Magazine, 73.15 343, eP, P, 00 48 38.9 +0.4, etc. Lists radio stations for frequency 1318.

1319

Table with columns: Call ID, Name, Frequency, Mode, Power, and other technical details. Includes entries like P52A, Q45A, R41A, P50A, U32A, P49A, P48A, Q44A, O55A, Q43A, O52A, O53A, Q42A, O51A, P46A, O50A, S5PA, ACSO, ACSO, ACSO, P44A, BNM, O49A, TUC, TUC, TUC, TUC, TUC, TUC, J48A, N59A, LEMN, N55A, O48A, P43A, N53A, O47A, TIC, N54A, P42A, LAZ, KIC, N50A, DBIC, DBIC, N51A, O45A, O44A, ANMO, ANMO, ANMO, ANMO, N49A, O43A, N47A, M54A, O41A, HDIL, HDIL, HDIL, N44A, M49A, KSU1, KSU1, M47A, M48A, BINY, BINY, N42A, N41A, N41A, M44A, T25A, T25A, L49A, N40A, N40A, CBKS, CBKS, CBKS, CBKS.

2012 DEC

Table with columns: Call ID, Name, Frequency, Mode, Power, and other technical details. Includes entries like CBKS, L47A, M43A, CASY, CASY, K55A, AAM, AAM, W18A, W18A, X16A, M41A, GLA, GLA, GLA, GLA, K47A, M39A, K48A, L42A, L43A, IKP, SDCO, SDCO, L41A, SWSC, Y12C, L40A, KSCO, KSCO, J49A, J48A, WUAZ, WUAZ, WUAZ, WUAZ, J47A, MONP, L39A, SCIA, SCIA, S22A, S22A, I51A, BC3, K41A, K42A, J46A, MVCO, MVCO, LBNH, I55A, TSMU, TSMU, TSMU, TSMU, K40A, IRM, JFWS, JFWS, JFWS, XFP, PFO, PFO, PFO, PFO, PFO, Q24A, W13A, J42A, H56A, H56A, BELC, BELC, BGNE, BOSA, BOSA, J41A, FRNY, J40A, U15A, PV01, J39A, GMRC, PV13, PV13, PV13, PV05, G53A.

27d 0h

Table with columns: Call ID, Name, Frequency, Mode, Power, and other technical details. Includes entries like PV03, PV12, PV11, PV16, PKME, PKME, PKME, PV19, OGNE, OGNE, OGNE, SMCO, I40A, PV10, GLMI, GLMI, ISCO, ISCO, ISCO, ISCO, HEC, PV23, I39A, I39A, PV21, PV09, KNB, KNB, KNB, TUQ, PKCU, LCMT, GSC, GSC, RPZ, H39A, SHOC, SHPR, SZCU, MTPU, G42A, CCUT, E54A, ECSD, ECSD, N23A, N23A, SRU, SRU, O20A, O20A, G40A, E51A, Q16A, PHWY, F43A, MSU, G38A, E47A, E46A, MPMC, P17A, TMUT, FURC, LBTB, LBTB, LBTB, D52A, SPMM, ISA, ISA, ISA, PKM, D54A, TPNV, TPNV, DAC, DAC, DAC, F40A.

27d Oh

Table with columns: COWI, Conover, 82.75 349, PFAKE LR, 00 49 40.0 +8.4, etc. Lists various locations and their associated data points.

2012 DEC

Table with columns: RLMT, Red Lodge, 86.86 335 eP, P, 00 49 52.6 0.0, etc. Lists various locations and their associated data points.

1320

Table with columns: KMBO, Kilima Mbogo, 105.92 103, PFAKE LR, 00 55 40.0, etc. Lists various locations and their associated data points.

27d 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CCHI Chilean, G005 Hualae0, LMEL Las Melosas, etc.

ISC 27 01:01:56.6:1.3,35:78S:73:33W, h0km, mb3.7/3, mb1.3/4, mb1mx3.7/19, mbtmpr3.7/4, ML3.9/1, Error ellipse: s-maj=43.6km s-min=19.5km az=82.0

ISC 27 01:01:56.6:1.0,35:85S:0:1x73:47W:0.3, h33km, mb3.6/3, Error ellipse: s-maj=43.6km s-min=14.6km az=174.9

ISC 27 01:02:02.1:1.2,35:85S:0:1x73:37W:0.3, h35km, n8, mb3.8/3, Off coast of central Chile

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

ISC 27 01:06:21.2:1.2,21:6N:0:2:143:1E:0.3, h311km, mb3.3/7, Error ellipse: s-maj=41.7km s-min=21.2km az=171.2

ISC 27 01:06:24.1:6.9,21:63N:143:00E, h326km, mb3.0/8, mb1.3/2.8, mb1mx2.8/44, mbtmpr3.7/8, Error ellipse: s-maj=39.4km s-min=19.4km az=83.0

ISC 27 01:06:22.6:1.3,21:6N:0:2:143:0E:0.3, h311km, n8, mb47/8, mb3.4/7, Mariana Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KRSR Korea Array, KLR Kuratow, WRA Warrunga, etc.

ISC 27 01:18:05.6:0.7,35:80S:73:29W, h0km, mb4.0/10, mb1.4/4.1, mb1mx3.3/25, mbtmpr4.3/15, ML4.0/5, MS4.4/3, MS1.4/4.2, ms1mx3.9/26, Error ellipse: s-maj=24.5km s-min=15.2km az=110.0

ISC 27 01:18:07.2:1.0,35:83S:0:02:73:37W:0.0, h23km,7km, mb4.7/23, Error ellipse: s-maj=8.2km s-min=3.7km az=5.3

GUC 27 01:18:08.0:0.6,35:85S:73:37W, h38km,3km, ML4.5 NEIC 27 01:18:08.0:0.0,35:85S:73:43W, h38km, mb4.7/17, ML4.5(GUC), After GUC.

NEIC Felt [III] at Cobqueua and Concepcion; [II] at Cauqueus, Constitucion, Parral and San Pedro de la Paz.

BUI 27 01:18:08.7,35:80S:73:20W, h25km, Ms5.3/2, Ms7.5/02, ISC 27 01:18:06.7:1.6,35:82S:0:03:73:34W:0.07, h101km, n8km, n108, r169/122, mb4.7/23, 2C, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CCSP San Pedro de C, CCHI Chilean, G005 Hualae0, etc.

2017 DEC

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TMU Temuco, CLCH Cerro Calan, etc.

1322

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZAA1 Changchun, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLCA, PASO FLORES, CCHH, etc.

ISC/JB 27 01:37:24.0-0.5, 35:82S:0:03:73:48W:0:06, h10km, mb4.0/9, Error ellipse: s-maj=7.2km s-min=3.7km az=8.6

IDC 27 01:37:24.0-0.5, 35:82S:73:33W, h0km, mb4.0/10, mb1.4/2.12, mb1mx4.1/2.7, mbimp4.1/1.2, ML4.1/2, Error ellipse: s-maj=29.8km s-min=17.9km az=87.0

NEIC 27 01:37:26.0-0.0, 35:86S:73:33W, h37km, mb4.3/3, ML4.1(GUC), After GUC.

GUC 27 01:37:26.0-0.7, 35:86S:73:33W, h37km, km, ML4.1

ISC 27 01:37:26.0-0.6, 35:84S:0:03:73:46W:0:07, h10km, n57, n173/65, mb4.1/9, Az, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CCHH, G005, LCO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BDFB, VNA3, VNA1, etc.

ISC/JB 27 02:08:25.0-0.5, 35:78S:0:03:73:58W:0:07, h10km, mb4.1/9, Error ellipse: s-maj=7.8km s-min=3.6km az=5.1

IDC 27 02:08:25.0-0.5, 35:80S:73:53W, h0km, mb3.9/7, mb1.4/2.10, mb1mx3.9/2.7, mbimp3.9/1.0, ML3.9/3, Error ellipse: s-maj=34.0km s-min=16.6km az=90.0

NEIC 27 02:08:27.0-0.0, 35:77S:73:68W, h29km, mb4.4/8, ML4.2(GUC), After GUC.

GUC 27 02:08:27.0-0.4, 35:77S:73:68W, h29km, km, ML4.2

ISC 27 02:08:27.1-0.7, 35:86S:0:03:73:64W:0:07, h10km, n49, n190/53, mb4.2/9, 1C, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CCHH, G005, LCO, etc.

ISC/JB 27 02:32:29.9-1.0, 42:35N:41:10E, h18km, ML3.2/3

TIF 27 02:32:30.4-2.42, 44:10E, h23km, 2km

MOS 27 02:32:31.1-0.0, 42:51N:41:10E, h8km, MPVA3.5

DDA 27 02:32:40.8-4.1, 58N:41:06E, h9km, M13.2

ISC 27 02:32:29.9-1.9, 42:37N:0:02:41:08E:0:04, h12km, 14km, n27, n58/44/9, Western Caucasus

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

ML4.2(GUC), After GUC. NEIC Felt III at Cobquecura. GUC 27 02:12:01.3-0.7, 35:81S:73:56W, h38km, km, ML4.2

ISC 27 02:12:00.9-0.6, 35:85S:0:03:73:50W:0:07, h10km, n52, n173/64, mb4.0/8, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CCHH, G005, LCO, etc.

ISC/JB 27 02:08:25.0-0.5, 35:78S:0:03:73:58W:0:07, h10km, mb4.1/9, Error ellipse: s-maj=7.8km s-min=3.6km az=5.1

IDC 27 02:08:25.0-0.5, 35:80S:73:53W, h0km, mb3.9/7, mb1.4/2.10, mb1mx3.9/2.7, mbimp3.9/1.0, ML3.9/3, Error ellipse: s-maj=34.0km s-min=16.6km az=90.0

NEIC 27 02:08:27.0-0.0, 35:77S:73:68W, h29km, mb4.4/8, ML4.2(GUC), After GUC.

GUC 27 02:08:27.0-0.4, 35:77S:73:68W, h29km, km, ML4.2

ISC 27 02:08:27.1-0.7, 35:86S:0:03:73:64W:0:07, h10km, n49, n190/53, mb4.2/9, 1C, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CCHH, G005, LCO, etc.

ISC/JB 27 02:32:29.9-1.0, 42:35N:41:10E, h18km, ML3.2/3

TIF 27 02:32:30.4-2.42, 44:10E, h23km, 2km

MOS 27 02:32:31.1-0.0, 42:51N:41:10E, h8km, MPVA3.5

DDA 27 02:32:40.8-4.1, 58N:41:06E, h9km, M13.2

ISC 27 02:32:29.9-1.9, 42:37N:0:02:41:08E:0:04, h12km, 14km, n27, n58/44/9, Western Caucasus

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

27d 2h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like TRI, HOR, LAC.

ISCJB 27 02:39:19.9, 0.5, 24.44N, 0.03, 122.69E, 0.02, h84km, 5km, Error ellipse: s-maj=4.4km s-min=2.8km az=7.2

JMA 27 02:39:19.3, 0.1, 24.28N, 122.68E, h91km, 1km, M1.8

TAP 27 02:39:19.5, 24.43N, 122.70E, h85km, 1km, ML3.3, C

ISC 27 02:39:20.1, 1.1, 24.44N, 0.04, 122.69E, 0.03, h86km, 9km, n59, r057/109, Taiwan region

Main table of station data for the 27d 2h period, listing station codes, names, coordinates, and seismic parameters.

2012 DEC

Main table of station data for the 2012 DEC period, listing station codes, names, coordinates, and seismic parameters.

1324

Main table of station data for the 1324 period, listing station codes, names, coordinates, and seismic parameters.

0.6nm,0.4s,baz=216,slow=4.2,SNR=7.3
 ILAR Eielson Array 152.10 PKP Pbk PKPbc 03 11 18.7 -0.1
 1.1nm,0.8s,baz=130,slow=1.1,SNR=9.6
 ILAR 0.2nm,0.4s,baz=130,slow=3.9,SNR=3.0

ISCJB 27 02:59:02.0,2.0,6.21,22S:0.10:179.1W:0.1, h619km,
 mb4.0/11, Error ellipse: s-maj=14.9km s-min=11.3km
 az=32.7
 IDC 27 02:59:07.3,2.1,21.33S:179.10W, h673km,28km,
 mb3.4/11, mb1 3.6/13, mb1mx3.3/36, mbtmp4.3/13, Error
 ellipse: s-maj=26.2km s-min=12.9km az=163.0
 ISC 27 02:59:03.2,0.8,21.2S:0.1:129.0W:0.1, h619km, n16,
 r=1567, mb4.0/10, Fiji Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
DZM	Mont Dzumac	13.54	264	P		P	03 02 00.0	+2.8
URZ	Urewera	17.29	190	P		P	03 02 31.0	-0.4
URZ	0.3nm,0.3s,baz=0.0,slow=20,SNR=2.6					S	03 05 19.6	-0.8
CTA	Charters Tower	32.47	266	P		P	03 04 46.1	+0.9
JAY	Jayapura	43.38	290	P		P	03 06 13.0	-0.3
ASAR	Alice Springs	43.42	258	P		P	03 06 14.8	+1.2
ASAR	0.8nm,0.8s,baz=96,slow=7.7,SNR=6.4					S	03 11 57.9	-0.8
WRA	Warramunga Arr	43.56	263	P		P	03 06 15.2	+0.5
WRA	1.9nm,0.3s,baz=97,slow=7.7,SNR=6.8					S	03 11 57.3	-3.3
SIJI	Siorong	52.51	286	P		P	03 07 21.2	+0.2
NVAR	Minia Array	82.21	44	P		P	03 10 22.2	+0.8
TXAR	Lajitas Array	88.25	58	P		P	03 10 51.9	+1.4
ILAR	Eielson Array	89.24	13	P		P	03 10 53.0	-1.1
CMAR	Chiang Mai Arr	89.46	290	P		P	03 10 54.2	-2.0
PDAR	Pinedale Array	90.15	44	P		P	03 10 59.7	+0.6
YKA	Yellowknife Arr	97.58	25	P	Pdf		03 11 31.3	-0.7
ARCES	ARCCESS Array B	129.46	349	PKP	Pdf		03 17 00.9	-1.2
AKASE	Kalin Array B	143.18	330	PKP	Pbk		03 17 24.4	-1.7
GERES	GERESS Array B	150.63	343	PKP	Pbk		03 17 45.3	-1.3

NEIC 27 03:02:57.0,0.0,35.77S:73.73W, h12km, mb4.7/31,
 ML4.4(GUC), After GUC.
 NEIC Felt [II] at Constitucion, Linares and Villa Alegre; [II] at
 Parral. Also felt at Chillan.
 GUC 27 03:02:57.2,0.5,35.77S:73.73W, h12km,9km, ML4.4
 IDC 27 03:02:59.0,6.0,35.80S:73.42W, h0km, mb4.4/12,
 mb1 4.5/14, mb1mx4.4/26, mbtmp4.4/14, ML4.0/4, Ms4.1/8,
 Ms1 4.1/8, ms1mx3.7/28, Error ellipse: s-maj=24.6km
 s-min=15.2km az=76.0
 ISCJB 27 03:03:00.3,0.3,35.76S:0.03:73.7W:0.05, h10km,
 mb4.7/39, MS4.1/5, Error ellipse: s-maj=5.7km
 s-min=3.7km az=69.2

ISC 27 03:03:01.6,0.4,35.78S:0.03:73.43W:0.06, h10km, n22,
 r=1573, mb4.7/39, MS4.3/5, 2C-1D, Off coast of central
 Chile

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
CCSP	San Pedro de C	1.09	166	eP		P	03 03 19.9	-2.7
CCSP				iS		Sg	03 03 36.3	-0.5
CCSP	comp=N,12nm,0.4s			IAML			03 03 41.4	
CCHI	Chilian	1.37	127	eP		Pn	03 03 25.9	-0.9
CCHI				iS		Pn	03 03 47.8	+2.8
CCHI	comp=N,13um,0.6s			IAML			03 04 01.1	
GO05	Hualae0	1.45	58	ePn		Pn	03 03 26.8	-1.1
GO05				eSn		Pn	03 03 43.7	-3.7
GO05	Hualae0	1.45	58	iP		Pn	03 03 26.5	-1.5
GO05				iS		Pn	03 03 49.6	+2.5
GO05	comp=N,7um,0.4s			IAML			03 03 56.4	
LMEL	Las Melosas	3.29	55	eP		Pn	03 03 54.1	+0.8
CLCH	Cerro Calan	3.37	46	eP		Pn	03 03 53.5	-2.0
ROCI	El Roble	3.44	36	ePn		Pn	03 04 02.6	-3.9
ROCI				eSn		Pn	03 03 55.3	-0.2
ROCI	El Roble	3.44	36	iP		Pn	03 03 55.3	+5.1
PEL	Peidehue	3.48	42	eP		Pn	03 03 55.0	-0.8
PEL				eSn		Pn	03 04 34.6	-2.5
GO06	Currehue	4.10	158	eP		Pn	03 04 48.2	-4.4
GO06				iP		Pn	03 04 04.2	-0.3
GO06	Currehue	4.10	158	iP		Pn	03 05 25.1	
RFA	San Rafael	4.19	77	iP		Pn	03 04 07.8	+2.2
AAGR	Agrelo	4.66	56	iP		Pn	03 04 14.2	+2.1
ARCO	CERRO ARCO	4.74	53	iP		Pn	03 04 15.1	+1.7
ARCO				IAML			03 04 35.8	
ARCO	comp=E,12nm,0.6s						03 05 33.5	-0.5
AUSP	Uspallata	4.89	45	iP		Pn	03 04 16.7	+1.2
ASAL	Salagasta	4.97	51	iP		Pn	03 04 17.9	+1.5
RTL5	Leoncito	5.26	42	iP		Pn	03 04 21.7	+1.1
RTL5	comp=Z,142nm,0.5s						03 04 23.1	
RTL5				iS		Sg	03 05 49.0	-1.5
PLCA	Paso Flores	5.44	156	Pn		Pn	03 04 22.2	-0.6
PLCA	comp=Z,1.6nm,0.3s,baz=350,slow=12,SNR=11					Pg	03 04 36.9	+0.2
PLCA	comp=Z,2.3nm,0.3s,baz=53,slow=10,SNR=11					Lg	03 05 47.4	
PLCA	comp=Z,3.5nm,0.3s,baz=81,slow=11,SNR=4.3					Pg	03 04 23.7	+0.9
PLCA				eP		Pn	03 04 36.9	+0.2
PLCA				Sb		Pn	03 05 20.1	-5.3
PLCA				Lg		Pn	03 05 47.4	
RTVC	Cerro Valdivia	5.64	48	iP		Pn	03 04 26.2	+0.5
GO04	Tololo Observa	6.02	22	eP		Pn	03 04 29.6	-1.3
GO04				eSn		Pn	03 05 36.1	-3.9
RTL5	Cerro Villicu	6.07	44	iP		Pn	03 04 31.2	-0.3
RTL5	comp=Z,194nm,0.4s						03 04 33.1	
RTL5				iS		Sb	03 06 02.1	+1.8
AMOG	MOGNA	6.36	42	iP		Pn	03 04 35.1	-0.4
LCO	Las Campanas	7.14	20	eP		Pn	03 04 43.8	-2.6
LCO				eSn		Pn	03 06 06.2	-1.2
GO07	Milladelo Hill,	7.32	181	ePn		Pn	03 04 46.4	-2.2
GO03	Coiapu	8.61	19	ePn		Pn	03 05 04.9	-1.5
GO03				eSn		Pn	03 06 40.5	-3.1
TRQA	Tornquist	9.45	107	ePn		Pn	03 05 17.5	-0.3
TRQA				eSn		Pn	03 07 01.9	-2.2
LVC	Limon Verde	13.71	18	iP		Pn	03 07 00.6	
LVC	comp=Z,656nm,19.6s,baz=205,slow=39					LR	03 11 54.9	
PB01	IPOC Station P	15.09	14	ePn		Pn	03 06 35.6	+0.6
PB11	IPOC Station P	16.30	13	ePn		Pn	03 06 50.5	-0.4
GO01	Chuzmiza	16.48	14	ePn		Pn	03 06 52.1	-1.4
CPUP	Villa Florida	16.69	60	ePn		Pn	03 06 49.3	-6.3
CPUP	comp=Z,0.2nm,0.3s,baz=196,slow=19,SNR=3.4					Lg	03 11 39.6	
CPUP	comp=Z,290nm,20.8s,baz=236,slow=36					LR	03 12 58.6	
CPUP	comp=Z,5.2nm,0.9s					Pn	03 06 48.9	-6.7
CPUP				eP		Pn	03 11 39.6	-5.3
CPUP				eP		Pn	03 06 59.8	+0.8
USHA	Ushuaia	19.36	171	P		P	03 07 27.0	
USHA	comp=Z,0.2nm,0.3s,baz=14,slow=12,SNR=5.2							

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
USHA	comp=Z,754nm,19.0s,baz=346,slow=36					LR	03 14 43.1	
LPAZ	La Paz	19.98	15	P		P	03 07 37.1	+2.2
LPAZ	comp=Z,0.3nm,0.3s,baz=168,slow=7.4,SNR=30					P	03 07 36.2	+1.3
LPAZ	La Paz	19.98	15	eP		P	03 08 01.8	-0.6
SIV	San Ignacio	22.59	32	P		P	03 18 40.7	
SIV	comp=Z,15nm,0.8s,baz=226,slow=15					LR	03 18 40.7	
NNA	Nana	23.89	352	P		P	03 08 15.2	-0.4
NNA	comp=Z,3.6nm,0.3s,baz=200,slow=13,SNR=4.3					LR	03 15 18.0	
BDFB	Brasilia	30.29	55	P		P	03 09 12.5	-0.8
BDFB	comp=Z,10nm,1.0s,baz=227,slow=8.2,SNR=11.0					LR	03 23 16.3	
BDFB	comp=Z,499nm,18.9s,baz=231,slow=40					LR	03 09 12.1	-1.2
OTAV	Otavalo	36.14	351	eP		P	03 10 06.8	+2.2
PTGA	Pitinga	37.06	23	eP		P	03 10 11.7	-0.3
VNA3	Neumayer Olymp	48.16	157	P		P	03 11 47.1	+0.1
VNA1	Neumayer-Stat	48.50	156	P		P	03 11 45.1	+0.0
VNA2	Neumayer-Watz	48.83	156	P		P	03 11 46.9	+0.2
GRGR	comp=Z,91nm,0.9s					P	03 11 47.3	-0.9
SVB	Belmont	50.13	16	eP		P	03 11 55.0	-2.2
SNA4	Sanae	50.38	157	P		P	03 11 59.1	+0.5
SNA4	comp=Z,15nm,1.0s					P	03 11 57.9	-0.7
FDL	Fort de France	51.57	15	eP		P	03 12 06.8	-1.3
QSPA	South Pole Q	54.46	180	P		P	03 12 28.2	-0.8
QSPA	comp=Z,6.7nm,0.8s,baz=134,slow=3.7,SNR=13					P	03 12 29.3	+0.2
SYO	Syowa Base	64.63	158	eP		P	03 13 44.0	+5.1
LJTAS	Tiftun	67.55	351	eP		P	03 13 57.8	-0.2
154A	Montrose	68.64	351	eP		P	03 14 03.7	-1.1
PPT	Papeete	68.88	263	LR		LR	03 37 31.1	
146A	Union	69.62	346	eP		P	03 14 10.4	-0.5
LTX	Lajitas	70.75	332	eP		P	03 14 18.1	0.0
TX31	Lajitas Arr. Si	70.75	332	eP		P	03 14 18.1	+0.7
TXAR	Lajitas Array	70.75	332	eP		P	03 14 18.1	0.0
MAW	Mawson	71.79	164	LR		LR	03 46 34.4	
V48A	Smith Brothers	72.24	349	eP		P	03 14 27.0	+0.2
V48A	comp=Z,2.4nm,0.9s					P	03 14 20.0	0.0
WVT	Waverly	72.79	348	eP		P	03 14 41.3	+0.3
MSTX	Muleshoe	74.62	335	eP		P	03 14 44.9	+0.2
CCM	Cathedral Cave	75.30	346	eP		P	03 14 52.0	+0.3
LIC	Lamto	76.42	72	eP		P	03 14 54.4	+1.1
TIC	Toumoudi	76.79	72	eP		P	03 14 53.8	+0.3
KIC	Kosan Boka	76.73	72	eP		P	03 14 54.6	+0.9
ANMO	Albuquerque	76.82	333	eP				

Table with columns: Code, Station Name, Az, Phase, Time, Res. Includes stations like SNOOP, DIKIM, ZKTA, etc.

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

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

Code Station Name Az Phase Time Res
JTS JuntasAbangare 0.67 66 eP Pb 05 31 56.8 -1.0

Code Station Name Az Phase Time Res
JTS JuntasAbangare 0.67 66 eP Pb 05 31 56.8 -1.0

Code Station Name Az Phase Time Res
JTS JuntasAbangare 0.67 66 eP Pb 05 31 56.8 -1.0

MTDJ	Mount Denham	19.40 288	eP	Pn	05 40 39.5 -0.5
MCJ	Malvern	19.48 287	flP	Pn	05 40 40.8 0.0
PLMC	San Jos del	19.69 247	eP	P	05 40 42.0 +0.1
MEJ	Montego Bay	19.74 238	eP	P	05 40 41.8 -0.6
BETC	Belmont	20.02 240	eP	P	05 40 44.1 +1.0
YOTC	Yotoco, Valle	20.15 245	eP	P	05 40 44.4 -2.6
MARP	Paez Belalcaza	20.37 242	eP	P	05 40 48.7 -0.9
PTLC	Puerto Leguiza	20.93 234	eP	Pn	05 40 59.6 +1.7
PCON	Cinco Dias	21.01 241	eP	P	05 40 57.2 +0.4
SOTA	Rioblanco	21.29 241	eP	P	05 40 59.1 -0.6
BCIP	Isla Barro Col	21.67 262	eP	P	05 41 04.2 +1.0
BCIP	Isla Barro Col	21.67 262	eP	P	05 41 04.4 +1.1
CRUC	La Cruz	21.88 240	eP	P	05 41 05.3 -0.6
GCUF	Volcan Galeras	22.39 240	eP	P	05 41 10.5 +1.1
CMBC	Cumbal	22.95 240	eP	P	05 41 17.2 -0.3
WBCY	West Bay, Gran	23.22 289	eP	P	05 41 19.8 +0.2
OTAV	Otavalo	23.86 239	eP	P	05 41 26.3 -0.2
OTAV	Otavalo	23.86 239	eP	P	05 41 25.3 -1.2
OTAV	Otavalo	23.86 239	eP	P	05 41 26.3 -0.2
OTAV	comp=Z,109nm,1.5s			pmax	pmax
060Z	West Palm Beach	24.90 306	P	P	05 41 37.6 +2.2
061Z	Ochopipi	24.94 304	eP	P	05 41 38.1 +2.4
061Z	Ochopipi	24.94 304	P	P	05 41 37.6 +1.9
060A	Indianatown	25.05 307	P	P	05 41 38.3 +1.5
059Z	Ave Maria	25.58 305	P	P	05 41 43.3 +1.8
059A	Moore Haven	25.63 306	P	P	05 41 43.8 +1.8
959A	Okeechobee	25.69 308	P	P	05 41 44.4 +1.9
859A	Kempfer Cattle	25.97 309	P	P	05 41 46.0 +0.9
058A	Arcadia	26.19 306	P	P	05 41 48.5 +1.4
958A	Wachu	26.40 307	P	P	05 41 50.1 +1.2
858A	St. Cloud	26.40 308	P	P	05 41 49.8 +0.8
DWPF	Disney Wildern	26.41 308	P	P	05 41 51.0 +2.0
DWPF	Disney Wildern	26.41 308	P	P	05 41 50.1 +1.1
JTS	JuntasAbangare	26.43 267	P	P	05 41 50.8 +1.3
JTS	comp=Z,259nm,0.8s,baz=133,slow=3.4,SNR=12			LR	05 53 37.9
JTS	JuntasAbangare	26.43 267	eP	P	05 41 50.9 +1.5
JTS	JuntasAbangare	26.43 267	eP	P	05 41 50.9 +1.5
JTS	comp=Z,49nm,1.1s			pmax	pmax
758A	Lake Helen	26.66 310	P	P	05 41 52.6 +1.2
957A	Wimauma	26.82 307	P	P	05 41 54.5 +1.7
BOAB	BOACO BROADB	26.89 272	eP	P	05 41 55.7 +2.2
658A	Bunnell	26.95 311	P	P	05 41 54.9 +1.0
857A	Zephyrhills	27.09 308	P	P	05 41 55.7 +0.4
757A	Oxford	27.30 309	P	P	05 41 58.3 +1.1
657A	Interlachen	27.48 310	P	P	05 42 00.1 +1.4
557A	Orange Park	27.61 311	P	P	05 42 01.1 +1.2
556A	Lake Butler	28.10 311	P	P	05 42 05.6 +1.4
456A	Hilliard	28.21 312	P	P	05 42 06.5 +1.4
CNNO	Ciffs of the	28.41 324	P	P	05 42 08.4 +1.4
555A	McAlpin	28.58 310	P	P	05 42 10.2 +1.7
356A	Blackshear	28.61 313	P	P	05 42 10.2 +1.4
455A	Stateville	28.95 311	P	P	05 42 13.6 +1.8
156A	Sylvania	28.95 316	P	P	05 42 12.9 +1.1
554A	Perry	29.09 310	P	P	05 42 14.4 +1.3
355A	Pearson	29.14 313	P	P	05 42 14.9 +1.4
255A	Hazlehurst	29.20 314	P	P	05 42 15.0 +1.1
155A	Kite	29.59 315	P	P	05 42 18.5 +1.0
Z55A	Blythe	29.72 316	P	P	05 42 19.7 +1.2
TIGTA	Tifton	29.72 312	eP	P	05 42 21.1 +2.4
TIGA	Tifton	29.72 312	P	P	05 42 20.3 +1.7
254A	Abbeville	29.78 313	P	P	05 42 20.8 +1.6
453A	Whigham	29.95 310	P	P	05 42 21.9 +1.2
154A	Montrose	30.03 315	eP	P	05 42 23.6 +2.2
154A	Montrose	30.03 315	P	P	05 42 23.0 +1.7
353A	Camilla	30.13 311	P	P	05 42 24.2 +1.9
Z54A	Sparta	30.20 316	P	P	05 42 24.3 +1.5
BDFB	Brasilia	30.22 160	P	P	05 42 22.9 -0.3
BDFB	Brasilia	30.22 160	eP	P	05 42 22.9 -0.3
BDFB	Brasilia	30.22 160	eP	P	05 42 23.0 -0.2
BDFB	comp=Z,41nm,1.5s			pmax	pmax
KMSC	Kings Mountain	30.40 320	P	P	05 42 25.4 +0.9
R58B	Mineral	30.42 328	P	P	05 42 25.7 +1.0
253A	Americus	30.44 313	P	P	05 42 26.6 +1.6
Y54A	Tignall	30.47 317	P	P	05 42 26.2 +1.0
153A	Fort Valley	30.55 314	P	P	05 42 27.6 +1.6
452A	Marianna	30.60 310	P	P	05 42 28.1 +1.7
352A	Blakely	30.72 311	eP	P	05 42 29.6 +2.1
352A	Blakely	30.72 311	P	P	05 42 29.1 +1.7
Z53A	Monticello	30.73 315	P	P	05 42 29.0 +1.5
GOGA	Godfrey	30.73 315	eP	P	05 42 29.3 +1.8
GOGA	Godfrey	30.73 315	eP	P	05 42 29.3 +1.8
GOGA	Godfrey	30.73 315	P	P	05 42 29.0 +1.5
LPAZ	La Paz	30.80 199	P	P	05 42 28.9 0.0
LPAZ	comp=Z,10nm,1.0s,baz=3.9,slow=9.5,SNR=17			P	05 42 28.6 -0.4
LPAZ	La Paz	30.80 199	eP	P	05 42 28.6 -0.4
LPAZ	comp=Z,22nm,1.1s			pmax	pmax
LPAZ	La Paz	30.80 199	eP	P	05 42 28.6 -0.4
252A	Lumpkin	30.85 312	P	P	05 42 30.1 +1.6
NNA	Nana	31.07 218	P	P	05 42 30.8 +0.2
Y53A	Monroe	31.07 316	P	P	05 42 31.8 +1.3
351A	Pinckard	31.12 310	P	P	05 42 32.6 +1.7
152A	Waverly Hall	31.19 313	eP	P	05 42 32.9 +1.2
152A	Waverly Hall	31.19 313	P	P	05 42 33.4 +1.8
BLA	Blacksburg	31.25 324	eP	P	05 42 34.0 +1.9
BLA	Blacksburg	31.25 324	eP	P	05 42 34.0 +1.9
BLA	Blacksburg	31.25 324	P	P	05 42 34.3 +1.3
BLA	baz=134				

X53A	Estanlee	31.26 317	P	P	05 42 33.8 +1.6
Z52A	Williamson	31.26 314	P	P	05 42 33.9 +1.6
BG3	Lake Joazez	31.32 318	eP	P	05 42 35.0 +2.3
Z51A	Midway	31.39 312	P	P	05 42 34.9 +1.6
Y52A	Lilburn	31.40 316	eP	P	05 42 34.2 +0.8
Y52A	Lilburn	31.40 316	P	P	05 42 34.7 +1.3
APG	El Apazote	31.44 277	P	P	05 42 36.1 +1.8
151A	Opelika	31.55 312	P	P	05 42 36.3 +1.5
W53A	Cullowhee	31.57 317	P	P	05 42 36.8 +1.7
V53A	Saluda	31.66 320	eP	P	05 42 37.6 +1.9
V53A	Saluda	31.66 320	P	P	05 42 37.2 +1.4
X52A	Dahonoga	31.71 317	P	P	05 42 37.7 +1.5
350A	Dozier	31.74 310	P	P	05 42 38.3 +1.9
HAL	Halifax	31.82 353	eP	P	05 42 38.4 +1.5
HAL	Halifax	31.82 353	eP	P	05 42 38.4 +1.5
HAL	comp=Z,30nm,0.9s			pmax	pmax
Z51A	Franklin	31.86 314	P	P	05 42 39.0 +1.5
U53A	Fall Branch	31.96 321	P	P	05 42 39.6 +1.2
Z50A	Grady	31.96 311	eP	P	05 42 40.5 +2.2
Z50A	Grady	31.96 311	P	P	05 42 39.7 +1.3
W52A	Murphy	32.03 318	eP	P	05 42 40.4 +1.8
W52A	Murphy	32.03 318	P	P	05 42 40.4 +1.5
150A	Eclectic	32.09 312	P	P	05 42 40.9 +1.4
Y51A	Rockmart	32.10 315	P	P	05 42 40.5 +0.9
BRAL	Brewton	32.16 309	P	P	05 42 41.8 +1.6
Y52A	Adesville	32.27 319	eP	P	05 42 42.6 +1.5
V52A	Sevierville	32.27 319	P	P	05 42 42.4 +1.3
TKL	Tuckaleechee C	32.27 319	P	P	05 42 42.0 +0.9
TKL	Tuckaleechee C	32.27 319	eP	P	05 42 42.1 +1.1
TKL	Tuckaleechee C	32.27 319	eP	P	05 42 42.2 +1.1
TKL	comp=Z,40nm,0.8s			pmax	pmax
Q55A	Buckhannon	32.34 327	P	P	05 42 43.2 +1.6
X51A	Calhoun	32.34 316	P	P	05 42 43.1 +1.5
349A	Repton	32.45 309	P	P	05 42 42.9 +1.1
Z50A	Ashland	32.36 313	P	P	05 42 43.3 +1.4
U52A	Thorn Hill	32.47 320	P	P	05 42 44.1 +1.3
SSPA	Standing Stone	32.49 331	eP	P	05 42 44.6 +1.7
SSPA	Standing Stone	32.49 331	P	P	05 42 44.3 +1.4
O56A	Blue Knob Stat	32.52 330	eP	P	05 42 45.4 +2.0
O56A	Blue Knob Stat	32.52 330	P	P	05 42 45.0 +1.7
Y50A	Piedmont	32.56 314	P	P	05 42 45.2 +1.5
P55A	Reedsville	32.58 328	P	P	05 42 45.6 +1.7
Z49A	Camden	32.59 310	P	P	05 42 45.6 +1.7
W51A	Cleveland	32.62 317	P	P	05 42 45.8 +1.7
CPCT	Cooper Cave	32.63 318	eP	P	05 42 45.8 +1.6
149A	Jones	32.65 311	P	P	05 42 46.1 +1.6
448A	Bay Minette	32.67 308	P	P	05 42 46.7 +2.1
TZTN	Tazewell	32.67 320	P	P	05 42 45.8 +1.2
TS2A	Hallie	32.69 321	P	P	05 42 46.1 +1.4
MCWV	Mont Chateau	32.70 328	P	P	05 42 46.6 +1.7
V51A	Loudon	32.73 318	eP	P	05 42 46.9 +1.8
V51A	Loudon	32.73 318	P	P	05 42 46.4 +1.3
Z49A	Columbiana	32.76 312	P	P	05 42 47.2 +1.8
GGN	Saint George	32.80 349	eP	P	05 42 47.0 +1.4
X50B	Fort Payne	32.82 315	P	P	05 42 47.5 +1.6
O55A	Ligier	32.84 329	P	P	05 42 47.7 +1.7
U51A	La Follette	32.87 319	P	P	05 42 47.7 +1.4
WVL	Waterville	32.91 345	eP	P	05 42 48.4 +1.8
348A	Jackson	32.92 309	eP	P	05 42 50.0 +3.2
348A	Jackson	32.92 309	P	P	05 42 48.5 +1.7
BINY	Binghamton	32.92 335	eP	P	05 42 48.4 +1.7
BINY	Binghamton	32.92 335	P	P	05 42 48.1 +1.4
W50A	Signal Mountai	33.01 317	eP	P	05 42 49.7 +2.1
W50A	Signal Mountai	33.01 317	P	P	05 42 49.1 +1.5
LRAL	Lakeview Retre	33.02 312	eP	P	05 42 49.6 +1.9
LRAL	Lakeview Retre	33.02 312	P	P	05 42 49.3 +1.7
Y49A	Blount Mountai	33.02 314	P	P	05 42 49.2 +1.5
CCIG	Comitan	33.06 280	eP	P	05 42 49.1 +0.7
Z48A	Dixon Mills	33.11 310	P	P	05 42 50.1 +1.6
N55A	Marion Center	33.12 330	P	P	05 42 50.0 +1.4
V50A	Pikeville	33.14 317	P	P	05 42 50.3 +1.6
T51A	Gray	33.19 320	P	P	05 42 50.4 +1.3
148A	Greensboro	33.25 311	P	P	05 42 51.1 +1.5
LBNH	Lisbon	33.25 342	eP	P	05 42 51.5 +1.9
LBNH	Lisbon	33.25 342	eP	P	05 42 51.5 +1.9
LBNH	comp=Z,67nm,1.1s			pmax	pmax
R52A	Catlettsburg	33.30 323	P	P	05 42 50.9 +0.9
X49A	Woodville	33.31 315	P	P	05 42 51.8 +1.6
O54A	Avella	33.37 328	P	P	05 42 51.8 +1.2
P53A	Whipple	33.39 326	eP	P	05 42 52.6 +1.7
P53A	Whipple	33.39 326	P	P	05 42 52.0 +1.1
SS1A	Beattyville	33.40 322	eP	P	05 42 49.0 -1.9
SS1A	Beattyville	33.40 322	P	P	05 42 52.0 +1.0
U50A	Jamesstown	33.41 319	P	P	05 42 52.5 +1.3
SWET	Sewanee	33.43 316	eP	P	05 42 53.3 +2.0

comp=Z,27nm,0.9s					
PKME	Peaks-Kenny Pk	33.48 346	P	P	05 42 52.4 +0.9
Q52A	Bidwell	33.51 325	P	P	05 42 53.0 +1.1
Y48A	Jasper	33.59 313	P	P	05 42 53.9 +1.3
Z48A	Northport	33.59 312	P	P	05 42 54.1 +1.4
W49A	Belvidere	33.60 316	P	P	05 42 54.1 +1.4
V49A	McMinnville	33.73 317	P	P	05 42 55.3 +1.5
Z47A	Quitman	33.74 309	P	P	05 42 56.0 +2.0
N54A	Moraine State	33.75 329	P	P	05 42 55.3 +1.3
NCB	Nacowoc	33.77 339	eP	P	05 42 55.5 +1.5

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like ABTX Abilene, Hawke; ABTX Abilene, Hawke; AG39A Holcombe; KSU1 Kansas State U; KSU1 Kansas State U; F39A Loretta; H38A Maiden Rock; G38A Ridelgand; E39A Mellen; ZAIG Zacatecas; U32A Winter Ranch; F38A Pierce - Schro; SPMN Marine on St.; SPMN Marine on St.; LCO Las Campanas; LCO Las Campanas; E38A The Farm, Brul; F37A Hinrichs Farm; G004 Tololo Observa; CBKS Cedar Bluff; CBKS Cedar Bluff; CBKS Cedar Bluff; CBKS Cedar Bluff; BGNE Belgrade; BGNE Belgrade; AMTX Amarillo; AMTX Amarillo; ECSD EROS Data Cent; ECSD EROS Data Cent; TXAR Lajitas Array; TXAR Lajitas Array; TXAR Lajitas Array; TX31 Lajitas Ar. Si; MSTX Muleshoe; MSTX Muleshoe; GDLZ Guadalupe Moun; HPIG Miller; SUSD Miller; KSCO Kaye Sheddlock; KSCO Kaye Sheddlock; AGMN Agassiz Nation; AGMN Agassiz Nation; MNTX Cornudas Moun; MNTX Cornudas Moun; T72A Trinidad; T72A Trinidad; H10N3 ASCENSION HYDR48; EPT El Paso; H10N2 ASCENSION HYDR48; H10N1 ASCENSION HYDR48; ULM Lac du Bonnet; ULM Lac du Bonnet; ULM Lac du Bonnet; ULM Lac du Bonnet; H10S3 ASCENSION HYDR48; H10S1 ASCENSION HYDR48; H10S2 ASCENSION HYDR48; BNM Barren Site; LPM Los Pinos Moun; ANMO Albuquerque; ANMO Albuquerque; ANMO Albuquerque; SDCO Great Sand Dun; SDCO Great Sand Dun; Q24A Divide; Q24A Divide; Y22D IRIS PASSCAL I; MDND Maddock; MDND Maddock; LENM Lemitar; LAZ Ladron; 121A Cookes Peak; ISCO Idaho Springs; ISCO Idaho Springs; ISCO Idaho Springs; S22A 4UR Ranch, Cre; S22A 4UR Ranch, Cre; PHWY Pilot Hill; RSSD Black Hill; RSSD Black Hills; RSSD Black Hills; N23A Red Feather La; N23A Red Feather La; SLBS Sierra La Lagu; SMCO Snowmass

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like 319A Douglas; LP1G La Paz; PNCL Niclaus / Gran; M3VC Mesa Verde; M3VC Mesa Verde; PTOM Tomar; K22A Casper; K22A Casper; PCAS Casimio, Conde; FRB Frobisher Bay; PV01 Paradox Valley; PV02 Paradox Valley; W18A Petrified Fore; W18A Petrified Fore; PV12 Saurer Basin; PV03 Paradox Valley; PV03 Paradox Valley; PV17 East Wray Mesa; PV20 West Nysonger; PV19 Morning Glory; PV05 Paradox Valley; PV14 Lion Creek, Pa; PV23 Carpenter Ridg; PV21 Cone Mtn., Par; PV10 Paradox Valley; PV09 Paradox Valley; PVIS Visegu; TUC Tucson; TUC Tucson; TUC Tucson; PCBR Castelo Branco; MTE Manteigas; DGMT Dagmar; DGMT Dagmar; POLO Lamas de Olo; LAO LASA Array; LAO LASA Array; SRIG Santa Rosalia; MVO Moncorvo; MDT Midelt; X16A Lo Mia Camp; TIC Toumoudi; TIC Lamto; WUAZ Wupatki; WUAZ Wupatki; DBIC Dibic; SRU San Rafael Swe; SRU San Rafael Swe; KIC Kosan Boka; FCC Fort Churchill; FCC Fort Churchill; FCC Fort Churchill; P17A Butcher Ranch; BW06 Boulder Array; BW06 Boulder Array; PD31 Pinedale Array; PDAR Pinedale Array; PDAR Pinedale Array; PDAR Pinedale Array; Q16A Castle Valley; 214A Organ Pipe Nat; TMUT Trail Mountain; U15A North Rim; U15A North Rim; RLMT Red Lodge; RLMT Red Lodge; FFC Flin Flon; FFC Flin Flon; FFC Flin Flon; GO06 Curarrehue; PKCU Pink Cliffs; MTPU Mount Pierson; MPU Maple Canyon; JLU Jonelle; MSU Marysvale; MSU Marysvale; LOHW Long Hollow; KNB Kanab; KNB Kanab; CTU Camp Tracy; SNOW Snow King Moun; GCMT Greycliff; NLU North Lily Min

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like 113A Mohawk Valley; REDW Red Top Meadow; AHID Auburn; HWUT Hardware Ranch; ESDC Sonseca Array; ESDC Sonseca Array; MOOW Moose Ponds; LKWW Lake; ES19 SONSECA Array; FLWY Flaggy Ranch; H17A Grant Village; H17A Grant Village; FXWY Fox Creek; SZCU Shurtz Canyon; LCMT Little Creek; YPP Pitchstone Pla; YNR Norris Junction; YFT Old Faithful; W13A Hualapai Moun; CCUT Cedar City; YMR Madison River; PLCA Paso Flores; PLCA Paso Flores; PLCA Paso Flores; PLCA Paso Flores; PDMC Parker Dam, Lak; DUG Dugway, Tooele; DUG Dugway, Tooele; DUG Dugway, Tooele; YPH South Promonto; SHUT Horse Butte; Y12C Blythe; Y12C Blythe; EGMT Eagleton; EGMT Eagleton; GLA Glamis; GLA Glamis; GLA Glamis; BGU Big Grassy Moun; HVU Hansel Valley; HVU Hansel Valley; NEE2 Needles Airpor; PSUT Pine Spring; BOZ Bozeman (W); BOZ Bozeman (W); BOZ Bozeman (W); BOZ Bozeman (W); IRM Iron Mountain; LDFC Landfair; BC3 Big Chuckawall; SHPR Sheep Ranch; HRY Holter Researc; SWSC Sam W. Stewart; DLMT Dillon; GMRC Granite Mounta; LRM Limestone Ridge; IKP In-Ko-Pah, Jac; BELC Belle Mtn. Jos; TUQ Turquoise Moun; MONP Monument Peak; R11A Rio Canyon, C; XPFO Pizeon Flat; PFO Pinyon Flats; PFO Pinyon Flats; PFO Pinyon Flats; HEC Hector, Ludlow; BAR Barrett; SHOC Shoshone, Tecco; ELK Elko; ELK Elko; HLID Hailey; HLID Hailey; TPNV Topopah Spring; TPNV Topopah Spring; TPNV Topopah Spring; TPNV Topopah Spring; BBRC Big Bear Solar; 109C Camp Elliot, M; CPE Camp Elliot; GSC Goldstone, Bar; GSC Goldstone, Bar; GSC Goldstone, Bar; GSC Goldstone, Bar; MURC Murrietta

Table with columns: ILAR, comp-Z, 21.6s, 77.77 334 eP, LR, LR, 06 21 38.6, etc. Includes stations like Eielson Array, Harding Lake, Poker Plat Res, etc.

Table with columns: CN2, Changchun, 123.32 357, PKP, PKPdf, 05 55 07.3 -2.2, etc. Includes stations like Changchun, Chengdu, Nanjing, etc.

Table with columns: GVD, comp-E, 2412um,0.5s, AML, AML, 06 30 51.0 -1.9, etc. Includes stations like GVD, GADVOS, CHAN, etc.

DDA 27 06:10:43.2, 42°27'N, 41°05'E, h7km, M12.9
MOS 27 06:10:43.2, 42°27'N, 41°07'E, h7km, MPVA3.1
ISC 27 06:10:43.2, 42°27'N, 41°02'E, 0.06, h23km, 17km,

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

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

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

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

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

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

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

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

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

PGC 27 06:36:39.4, 0.8, 48°82'N, 123°50'W, h0km, mb3.9/6,
mb1.3/13, mb1mx3.8/41, mb1mx3.7/13, ML3.3/7, Error
ellipse: s-maj=12.9km s-min=10.2km az=58.0

ISCJB 27 06:36:45.0, 0.2, 48°68'N, 0°22'123°20'W, 0.03, h65km, 2km,
mb3.8/7, Error ellipse: s-maj=3.6km s-min=2.3km
az=143.7

PGC 27 06:36:46.1, 0.3, 48°65'N, 123°22'W, h59km, ML3.3/30,
13km east of Sidney, Bc Vancouver Island, Canada
Region

NEIC 27 06:36:46.3, 0.0, 48°67'N, 123°24'W, h57km, mb4.1/1,
ML3.9(9EA), After SEA

NEIC Felt [III] at Blaine, Camano Island, Lopez Island and
Lynden; [II] at Anacortes, Coupeville, Eastsound, Everson,
Friday Harbor, Oak Harbor and Sumas. Felt [III] at Central
Saahich, Colwood, Sooke and Victoria; [II] at Abbotsford,

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like WHZK, NMHZ, WATZ, HATZ, ARHZ, etc.

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

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

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like KSAR, WJUN, WVOY, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like PV05, GO10, BMRM, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like H17A, WHY, BOZ, etc.

27d 9h

Table with columns for station name, frequency, and other technical details. Includes stations like BRG, UPC, BUR08, etc.

2012 DEC

Table with columns for station name, frequency, and other technical details. Includes stations like SIRR, CONA, STU, etc.

12+10

Table with columns for station name, frequency, and other technical details. Includes stations like ESDC, LIC, KIC, etc.

Table with columns: WB2, WBE2, WBY2, WRAB, WRAB, WR1, WR1, WRA, WRA, WRA, WRA, FORT, FITZ, SOE, BAEI, VAND, GSPA, MJAR, MAJO, MAT, SBUM, JUNU, JUNU, TPUB, SSSL, PETK, PEAI, KSRS, KSAR, KS01, USA0B, USRK, NJ2, NJ2, YBH, BEKR, YERR, NV01, NVAR, IPM, NV11, CN2, KVN, KLR, MOD, PSI, PINE, G15A, U51, SYO, ELK, G08A, SEY, CAST, F10A, B08A, TRF, HLID, MCK, LTX, TXAR, ANMO, MLY, WRH, LAMP, PLCA, AHID, IM3, MDM, HHC, HHC, IL1, ILAR, ILB, CMAR, REDW, CMMT, CHTO, CHTO, LOHW, RDOG, BW06, PD31, PDAR, PDAR, CD2, DAWY, LZH, LZH, LZH, LZH, INK

Table with columns: GTA, GTA, GTA, YKA, YKA, YKBS, MK32, MKAR, MKUR, MKUR, MKUR, KKK1, KKKR, ABKAR, GEYT, ARAO, ARCE, FIAO, FINES, NB2, NB20, NOA, NOA, AKASO, SUW, MBAR, BEL, BR101, BR131, BRTR, KWP, TLCR, ANTO, BUR08, BUR04, BUR09, BIZ, CFR, OJC, MFR, TIR, VRI, PLOR, HLR, TRB, NIE, ARCR, TRP, KSP, DOPR, MLR, CSS, UPC, LANS, DPC, DPC, CLL, CLL, CJR, KRLL, MORC, MORC, MORC, BRG, VOIR, PVCC, DRGR, ARR, VYHS, PSZ, VRAC, VRAC, KOLL, G0PC, GE2, JAVC, LOT, KRUC, NKCC, SIRR, MODS, GZR, SRE, BZS, KHC, KHC, MEM, MEM, HERR, GE2, GERES, GEAO, MAINT, SNF, CONA, MOA, MOA, VTS, VTS, SOKA, KBA, WATA, PRYA, MOTA, SQT, ABTA, DAVA, FUOR, ESCO, TORD, TORD, TOA1

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

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

IDC 27 10:01:34.0; 1.4, 0.38S; 16.03W; h0km, mb4.0/6, mb1.4 2/7, mb1mx3.8/36, mbtmp4.0/7, ML3.6/1, MSt3.8/5, ms17mx3.4/34, Error ellipse: s-maj=36.5km s-min=33.7km az=88.0

ISCJB 27 10:01:34.4; 1.2, 0.3S; 0.2; 16.0W; 0.2, h10km, mb4.0/6, MS3.3/1, Error ellipse: s-maj=27.7km s-min=25.2km az=160.8

ISC 27 10:01:35.7; 1.2, 0.4S; 0.2; 16.0W; 0.2, h10km, n18, 0.875/8, mb4.1/6, North of Ascension Island

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

BYKL 27 10:07:39.2; 0.3, 48.48N; 108.19E, h10km, mb4.3/1, Error ellipse: s-maj=29.8km s-min=20.3km az=99.2

ISC 27 10:07:39.6; 0.9, 48.38N; 108.13E; 0.03, h10km, n30, 6272/71, 1D, Mongolia

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

IDC 27 09:58:24.5; 3.0, 23.85N; 108.99W, h0km, mb4.2/4, mb1.4 2/8, mb1mx3.9/38, mbtmp3.9/8, ML3.6/4, MS3.8/3, Ms1.3.8/3, ms1mx3.1/40, Error ellipse: s-maj=52.7km s-min=20.3km az=154.0

MEX 27 09:58:37.7; 5.0, 24.13N; 109.70W, h16km, MD3.9

ISC 27 09:58:28.3; 0.8, 24.16N; 109.09W; 0.06, h10km, n16,

1343

W42A	Cord	21.65	2	P	P	10 45 58.1	-0.5
W49A	Belvidere	21.66	14	P	P	10 45 58.4	-0.3
V45A	Humboldt	21.78	7	P	P	10 45 59.7	-0.4
SWET	Sewanee	21.83	14	eP	P	10 46 00.9	+0.3
EDT	El Paso	21.87	326	eP	P	10 46 01.1	-0.1
SDV	Santo Domingo	21.89	101	P	P	10 46 00.5	-1.1
SDV	Santo Domingo	2.8nm,0.6s,baz=318,slow=12,SNR=2.4	21.89	101	eP	10 46 03.5	+1.8
IMSTX	Muleshoe	18nm,0.7s	21.94	336	eP	10 46 01.9	0.0
MSTX	Muleshoe	11nm,0.8s	21.94	336	P	10 46 01.5	-0.5
TUL1	Leonard	11nm,0.8s	21.96	353	eP	10 46 01.4	-0.6
TUL1	Leonard	baz=172	21.96	353	P	10 46 00.8	-1.1
V46A	Holladay	baz=192	21.96	9	P	10 46 00.9	-1.0
W50A	Signal Mountai	baz=200	21.97	16	P	10 46 01.9	-0.2
W51A	Cleveland	baz=200	22.08	17	P	10 46 02.6	-0.7
V47A	Nunnally	baz=194	22.09	10	P	10 46 02.7	-0.6
V48A	Smith Brothers	14nm,0.9s	22.13	12	eP	10 46 03.0	-0.9
V48A	Smith Brothers	baz=195,SNR=6.0	22.13	12	P	10 46 02.9	-1.0
HHAR	Hobbs	8.7nm,0.9s	22.16	357	eP	10 46 04.8	+0.7
HHAR	Viola	22.17	1	eP	P	10 46 13.0	-2.1
U41A	Yellville	baz=182	22.19	359	P	10 46 04.3	-0.1
U40A	Yellville	baz=180	22.20	2	P	10 46 03.7	-0.8
U42A	Revsden	baz=184	22.23	10	P	10 46 05.3	-0.6
WVT	Waverly	baz=193	22.33	10	P	10 46 05.6	-0.7
V49A	McMinnville	baz=198	22.36	14	P	10 46 06.5	+0.1
AMTX	Amarillo	58nm,0.8s	22.36	339	eP	10 46 06.3	-0.1
AMTX	Amarillo	baz=156	22.36	339	P	10 46 06.3	-0.1
U45A	Rockin P Farm,	baz=190	22.41	8	P	10 46 06.2	-0.6
U44A	Portageville	baz=186	22.46	6	P	10 46 07.2	-0.1
V50A	Pikeville	baz=200	22.47	16	P	10 46 06.7	-0.7
U46A	Springville	baz=192,SNR=6.9	22.50	9	P	10 46 07.1	-0.7
W53A	Cullowhee	baz=205	22.57	20	P	10 46 07.4	-1.2
PARMO	Parma	36nm,0.9s	22.61	5	eP	10 46 08.3	-0.6
PBMO	Poplar Bluff	21nm,0.9s	22.67	4	eP	10 46 09.0	-0.5
U47A	Clarksville	baz=194	22.73	11	P	10 46 09.3	-0.8
V51A	Loudon	baz=201	22.79	17	P	10 46 09.7	-1.2
TKL	Tuckaleechee C	10nm,1.0s,baz=192,slow=12,SNR=5.5	22.83	18	P	10 46 10.7	-0.5
TKL	Mountain View	comp=Z,393nm,19.6s,baz=222,slow=4	22.88	1	LR	10 46 10.6	-1.1
T41A	Mountain View	baz=182	22.88	1	P	10 46 10.9	-0.9
T42A	Van Buren	4.9nm,0.8s	22.88	3	P	10 46 10.5	-1.3
T42A	Van Buren	baz=184	22.93	12	P	10 46 10.7	-1.6
U48A	Cassie Pea, Po	baz=196	22.98	4	P	10 46 12.0	-0.8
T43A	Greenville	baz=186	22.99	346	eP	10 46 12.8	-0.1
U32A	Winter Ranch,	baz=197	22.99	346	eP	10 46 13.2	+0.2
U32A	Winter Ranch,	baz=197	23.05	18	P	10 46 13.8	+0.3
V52A	Sevierville	baz=203	23.10	14	P	10 46 12.7	-1.3
U49A	Red Boiling Sp	baz=197	23.10	14	P	10 46 15.5	+1.0
V53A	Saluda	11nm,0.8s	23.14	20	eP	10 46 14.5	0.0
V53A	Saluda	baz=205	23.14	20	P	10 46 15.6	+0.9
121A	Cookes Peak, D	baz=139,SNR=11	23.19	321	eP	10 46 16.4	+1.3
319A	Douglas	14nm,0.9s	23.20	23	eP	10 46 16.1	+1.0
KMSC	Kings Mountain	8.8nm,0.7s	23.20	23	eP	10 46 14.1	-0.9
TK6C	Kings Mountain	baz=209	23.21	9	P	10 46 13.4	-1.7
U50A	Princeton	baz=192	23.24	15	P	10 46 13.2	-2.1
T47A	Jamestown	baz=200,SNR=7.4	23.29	11	eP	10 46 14.7	-1.1
T47A	Sharon Grove	12nm,0.9s	23.29	11	P	10 46 13.3	-2.5
S41A	Sharon Grove	baz=194	23.42	1	P	10 46 14.3	-2.8
U51A	Jillico Farms,	baz=182	23.43	17	P	10 46 15.3	-1.9
S43A	La Follette	baz=202,SNR=5.8	23.48	5	P	10 46 13.5	-4.2
S43A	Fulton Ridge,	baz=185	23.64	3	P	10 46 16.3	-2.9
S42A	Caledonia	baz=185	23.68	6	P	10 46 18.6	-0.9
S44A	Cardonade	baz=189,SNR=7.3	23.70	6	eP	10 46 19.2	-0.5
SIUC	Southern Illin	23nm,0.8s	23.72	18	P	10 46 18.9	-1.0
TZTN	Tazewell	baz=203	23.72	14	P	10 46 18.7	-1.2
T49A	Edmonton	baz=198,SNR=5.2	23.74	7	P	10 46 18.5	-1.6
S45A	Carrier Mills	baz=190	23.80	330	eP	10 46 21.4	+0.4
BNM	Barren Site	baz=199	23.81	15	P	10 46 19.3	-1.5
T50A	Nancy	baz=199	23.86	20	P	10 46 18.7	-2.6
U53A	Fall Branch	baz=205	23.87	9	P	10 46 18.6	-2.6
S46A	Don Dixon Farm	baz=192	23.90	2	P	10 46 18.9	-2.7
CCM	Cathedral Cave	baz=184	23.92	11	P	10 46 20.3	-1.4
S47A	Hartford	baz=194	23.99	329	eP	10 46 22.8	+0.1
LENM	Lemitar	baz=194	24.00	17	P	10 46 21.2	-1.3
T51A	Gray	baz=201	24.14	2	P	10 46 22.4	-1.4
R41A	Rosebud	baz=183	24.14	12	P	10 46 21.9	-1.9
S48A	Wiedeman Farm,	baz=196	24.14	3	P	10 46 21.3	-2.5
R42A	Luebbering	baz=185	24.20	5	P	10 46 22.9	-1.4
R43A	Red Bud	baz=187	24.26	329	eP	10 46 24.5	-0.7
LAZ	Ladron	24.36	321	eP	P	10 46 27.4	+1.2
ANMO	Albuquerque	2.1nm,0.6s,baz=139,slow=9.9,SNR=7.7	24.36	331	eP	10 46 26.9	+0.8
ANMO	Albuquerque	3.3nm,0.9s	24.36	331	P	10 46 25.4	-0.8
ANMO	Albuquerque	baz=146	24.39	8	P	10 46 24.1	-1.9
R45A	Skylar, Fairri	baz=190	24.42	9	P	10 46 24.4	-1.9
S49A	Gibon Southern	baz=192	24.43	14	P	10 46 25.7	-0.8
R46A	Springfield	baz=198	24.55	15	P	10 46 25.9	-1.6
S50A	Richmond	baz=200,SNR=5.5	24.64	11	eP	10 46 28.0	-0.4
WCI	Wyandotte Cave	27nm,0.8s	24.64	11	P	10 46 26.1	-2.2
WCI	Wyandotte Cave	baz=195	24.67	11	P	10 46 25.7	-2.9
R47A	Wooly Knot Far						

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SS1A	Beattyville	24.72	17	P	P	10 46 28.1	-1.0
TUC	Tucson	baz=202	24.76	320	eP	10 46 30.2	+0.6
TUC	Tucson	3.6nm,0.8s	24.76	320	P	10 46 26.4	-3.2
Q42A	Golden Eagle	baz=133	24.79	3	P	10 46 27.8	-1.9
Q41A	Truxton	baz=183,SNR=5.7	24.80	2	P	10 46 29.4	-0.3
LLIL	Olney	18nm,0.7s	24.84	8	eP	10 46 30.5	+0.5
R48A	Norridge Ran	baz=196	24.89	12	P	10 46 30.2	-0.5
Q44A	Meyer Farm, Va	baz=189	24.90	6	P	10 46 29.3	-1.4
R49A	Shelbyville	baz=199	24.94	13	P	10 46 29.9	-1.2
KSU1	Kansas State U	16nm,0.6s	25.20	352	eP	10 46 34.0	+0.6
KSU1	Kansas State U	baz=171,SNR=5.8	25.20	352	P	10 46 33.0	-0.4
Q47A	Bedord North L	baz=194	25.31	11	P	10 46 33.9	-0.4
R51A	Hillsboro	baz=201	25.34	16	P	10 46 32.8	-1.9
T25A	Trinidad	baz=198	25.36	337	eP	10 46 36.8	+1.7
T25A	Trinidad	baz=152,SNR=9.1	25.36	337	P	10 46 34.0	-1.1
Q48A	Not Vernon	baz=196	25.43	12	P	10 46 34.8	-0.7
P42A	Winchester	baz=185	25.47	4	P	10 46 34.3	-1.5
SJG	San Juan	25.48	77	LR	LR	10 57 39.1	
CBKS	Cedar Bluff	comp=Z,307nm,19.6s,baz=260,slow=39	25.49	346	eP	10 46 37.5	+1.4
CBKS	Cedar Bluff	24nm,0.8s	25.49	346	P	10 46 35.0	-1.1
P45A	Graceland, Par	baz=191	25.67	8	P	10 46 35.0	-2.7
Q49A	Aurora	baz=198	25.68	13	P	10 46 36.6	-1.2
Q50A	Georgetown	baz=200	25.75	15	P	10 46 36.2	-2.3
P46A	Rosedale	baz=192	25.84	9	P	10 46 37.2	-2.0
P48A	Millroy	baz=196	26.01	12	P	10 46 38.0	-2.8
Q51A	Peebles	baz=201,SNR=5.7	26.09	16	P	10 46 40.0	-1.5
W18A	Petrified Fore	3.1nm,0.8s	26.16	326	eP	10 46 43.1	+0.7
SDCO	Great Sand Dun	11nm,1.1s	26.31	336	eP	10 46 43.6	-0.3
SDCO	Great Sand Dun	baz=151,SNR=8.1	26.31	336	P	10 46 43.5	-0.3
KSCO	Kaye Shedlock'	14nm,0.9s	26.44	342	eP	10 46 44.5	+0.7
KSCO	Kaye Shedlock'	baz=199	26.44	342	P	10 46 44.4	-0.5
P50A	Jamestown	baz=200	26.52	15	P	10 46 43.9	-1.5
SFIN	Lafayette	baz=192	26.60	9	P	10 46 44.2	-1.9
X16A	Lo Jua Camp, P	3.0nm,0.8s	26.61	323	eP	10 46 47.6	+1.1
S22A	4UR Ranch, Cre	baz=148,SNR=15	26.86	334	P	10 46 50.8	+2.0
Q49A	Covington	baz=198	26.94	14	P	10 46 48.4	-0.7
MVCO	Mesa Verde	baz=198	27.16	331	eP	10 46 53.4	+1.9
MVCO	Mesa Verde	baz=144,SNR=7.9	27.16	331	P	10 46 52.5	+1.0
WUAZ	Wupatki	4.9nm,0.9s	27.36	325	eP	10 46 54.9	+1.7
WUAZ	Wupatki	baz=137	27.36	325	P	10 46 50.8	-2.4
N48A	Decatur	baz=196	27.43	12	P	10 46 52.0	-1.5
O52A	Adamsville	baz=203	27.53	18	P	10 46 53.4	-1.0
L40A	Anamosa	baz=183	27.90	2	P	10 46 58.1	+0.4
PV01	Paradox Valley	16nm,1.1s	27.95	332	eP	10 47 00.4	+1.9
PV01	Paradox Valley	baz=206	28.04	20	eP	10 47 00.7	+2.3
O54A	Avella	baz=206	28.07	318	P	10 46 58.2	-0.8
Y12C	Blythe	baz=129	28.07	318	P	10 46 58.4	-1.0
PV15	Paradox Valley	12nm,1.0s	28.08	332	eP	10 47 02.2	+2.5
PV13	Radium Mtn., P	14nm,1.0s	28.08	332	eP	10 47 01.7	+2.0
PV02	Paradox Valley	11nm,1.1s	28.08	332	eP	10 47 02.1	+2.4
SMCO	Snowmass	6.5nm,1.0s	28.13	335	eP	10 47 02.0	+1.7
PV05	Paradox Valley	2.7nm,0.8s	28.15	331	eP	10 47 01.3	+1.0
ISCO	Idaho Springs	baz=196	28.15	338	eP	10 47 03.4	+3.0
ISCO	Idaho Springs	baz=152	28.17	338	P	10 46 59.4	-0.9
PV03	Paradox Valley	14nm,1.1s	28.17	332	eP	10 47 02.3	+1.8
PMDCI	Parker Dam,Lak	baz=130	28.18	319	P	10 47 05.9	-1.1
PV12	Saucer Basin,	30nm,1.0s	28.20	332	eP	10 47 02.8	+2.0
PV11	David Mesa, Pa	18nm,1.0s	28.22	332	eP	10 47 02.3	+1.5
PV07	Paradox Valley	16nm,1.1s	28.23	332	eP	10 47 03.3	+2.3
PV17	East Wray Mesa	14nm,1.0s	28.24	332	eP	10 47 03.2	+2.1
PV16	Nyswonger Mesa	9.9nm,1.1s	28.25	332	eP	10 47 02.9	+1.7
PV19	Morning Glory	14nm,1.1s	28.28	332	eP	10 47 02.6	+1.2
PV04	Paradox Valley	25nm,1.2s	28.31	332	eP	10 47 03.6	+1.9
PV14	Lion Creek, Pa	13nm,1.1s	28.35	332	eP	10 47 03.3	+1.2
PV10	Paradox Valley	baz=196	28.36	332	eP	10 47 03.7	+1.5
PV23	Carperen Ridge	16nm,1.0s	28.41	332	eP	10 47 04.2	+1.6
PV21	Cone Mtn., Par	4.8nm,1.0s	28.48	332	eP	10 47 04.8	+1.6
PV09	Paradox Valley	baz=196	28.50	332	eP	10 47 05.3	+1.8
BC3	Big Chuckwall	baz=206	28.62	317	P	10 47 04.7	+0.2
N54A	Moraine State						

27d 13h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like LCMT Little Creek M, SHRP Sheep Range, PKCU Pink Cliffs, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like W41B Gary Mavity, WHAR Woody Hollow, ORV Oroville, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like V46A Holladay, Q42A Golden Eagle, R43A Red Bud, etc.

U49A	Red Boiling Sp	23.57	53	P	P	13 10 12.1	-0.9
454A	Quitman	23.58	68	P	P	13 10 12.1	-1.0
044A	Mansfield	23.59	43	P	P	13 10 12.4	-0.7
HAWA	Hanford	23.60	342	eP	P	13 10 14.0	+0.9
L41A	Preston	23.62	37	P	P	13 10 12.7	-0.7
P45A	Graceland, Par	23.69	45	eP	P	13 10 14.3	+0.3
P45A	Graceland, Par	23.69	45	eP	P	13 10 14.3	-0.6
EGMT	Eagleton	23.73	359	eP	P	13 10 14.9	+0.4
EGMT	Eagleton	23.73	359	eP	P	13 10 14.9	+0.4
F05D	White Salmon	23.74	338	P	P	13 10 15.6	+1.1
V50A	Pikeville	23.75	56	P	P	13 10 13.8	-0.9
JTMT	Jette	23.79	352	eP	P	13 10 16.1	+1.0
W51A	Cleveland	23.82	57	P	P	13 10 14.3	-1.1
E07A	Sunnyside	23.84	342	eP	P	13 10 17.4	+1.8
R47A	Woolly Knot Far	23.85	49	P	P	13 10 15.2	-0.5
S48A	Wiedeman Farm,	23.88	51	P	P	13 10 15.5	-0.4
J39A	Decorah	23.89	33	P	P	13 10 14.6	-1.3
Y52A	Liburn	23.95	61	P	P	13 10 14.5	-2.1
WCI	Wyandotte Cave	23.98	49	eP	P	13 10 16.9	+0.1
WCI	Wyandotte Cave	23.98	49	eP	P	13 10 16.8	-0.1
T49A	Edmonton	24.00	52	P	P	13 10 17.3	+0.1
T49A	Edmonton	24.00	52	P	P	13 10 16.4	-0.7
L42A	Oliver, Polo	24.03	38	eP	P	13 10 17.2	-0.1
L42A	Oliver, Polo	24.03	38	eP	P	13 10 17.3	-0.1
D08A	Wolman Farm,	24.05	344	eP	P	13 10 17.6	+0.2
555A	McAlpin	24.06	70	P	P	13 10 16.5	-1.2
M43A	Walham Townsh	24.07	40	P	P	13 10 16.9	-0.8
P46A	Rosedale	24.08	45	P	P	13 10 17.3	-0.5
K41A	Shullsburg	24.09	36	P	P	13 10 16.9	-1.0
CPCT	Cooper Cave	24.10	57	eP	P	13 10 17.6	-0.5
O45A	Potomac	24.11	43	P	P	13 10 17.5	-0.5
N44A	Piper City	24.17	42	P	P	13 10 17.2	-1.4
Z53A	Monticello	24.18	62	P	P	13 10 17.0	-1.9
U50A	Jamestown	24.22	54	P	P	13 10 17.7	-1.5
Q47A	Bedord North L	24.24	47	P	P	13 10 18.7	-0.6
GOGA	Godfrey	24.30	62	P	P	13 10 18.7	-1.3
X52A	Dahlonaga	24.31	59	P	P	13 10 18.6	-1.4
Y53A	Monroe	24.33	61	P	P	13 10 19.0	-1.1
JFWS	Jewell Farm	24.33	35	P	P	13 10 19.1	-1.0
R48A	Northridge Ran	24.35	49	P	P	13 10 19.7	-0.7
I39A	Houston	24.36	32	P	P	13 10 19.4	-0.9
V51A	Loudon	24.36	56	eP	P	13 10 19.9	-0.5
V51A	Loudon	24.36	56	eP	P	13 10 18.9	-1.6
J40A	Soldiers Grove	24.42	34	P	P	13 10 20.1	-0.7
W52A	Murphy	24.44	58	eP	P	13 10 21.0	-0.2
W52A	Murphy	24.44	58	eP	P	13 10 20.3	-0.9
T50A	Nancy	24.47	53	P	P	13 10 20.4	-1.0
S49A	Springfield	24.48	51	P	P	13 10 20.5	-1.0
DGMT	Dagmar	24.50	8	eP	P	13 10 21.8	+0.1
DGMT	Dagmar	24.50	8	eP	P	13 10 21.7	+0.1
SPIN	Lafayette	24.57	44	eP	P	13 10 21.4	-0.9
SPIN	Lafayette	24.57	44	eP	P	13 10 20.9	-1.4
C09A	Chrisman Ranch	24.58	345	eP	P	13 10 23.4	+1.1
LON	Longmead	24.62	339	eP	P	13 10 24.4	+1.7
P47A	Martinsville	24.63	46	P	P	13 10 21.0	-1.9
Q48A	North Vernon	24.71	48	P	P	13 10 22.9	-0.6
K42A	Prairie Point	24.73	37	P	P	13 10 22.9	-0.8
X53A	Estantolle	24.74	60	P	P	13 10 23.5	-0.4
TKL	Tuckaleechee C	24.75	57	P	P	13 10 22.9	-1.1
TKL	Tuckaleechee C	24.75	57	eP	P	13 10 23.5	-0.5
Z54A	Sparta	24.76	63	P	P	13 10 23.4	-0.7
MDND	Maddock	24.77	16	eP	P	13 10 24.2	+0.2
MDND	Maddock	24.77	16	eP	P	13 10 23.5	-0.5
JD1A	Loganville	24.77	35	P	P	13 10 24.3	+1.0
NEW	Newport	24.77	347	eP	P	13 10 23.1	-0.4
NEW	Newport	24.77	347	eP	P	13 10 24.1	0.0
R49A	Shelbyville	24.79	50	P	P	13 10 22.9	-1.4
SPMN	Marine on St.	24.82	28	eP	P	13 10 25.2	+0.7
SPMN	Marine on St.	24.82	28	eP	P	13 10 23.2	-1.2
U51A	La Follette	24.82	55	P	P	13 10 23.1	-1.5
H0A	Norwalk	24.83	33	P	P	13 10 23.7	-0.9
058A	Arcadia	24.87	78	P	P	13 10 23.7	-1.4
155A	Kite	24.93	64	P	P	13 10 24.7	-0.9
V52A	Sevierville	24.95	56	eP	P	13 10 24.3	-1.5
V52A	Sevierville	24.95	56	eP	P	13 10 24.3	-1.5
Y54A	Tignall	25.05	61	P	P	13 10 25.6	-1.1
W53A	Cullowhee	25.05	58	P	P	13 10 26.2	-0.7
O47A	Sheridan	25.08	45	P	P	13 10 25.9	-1.0
H39A	Augusta	25.09	31	P	P	13 10 25.8	-1.1
N46A	Monticello	25.09	43	P	P	13 10 26.2	-0.8
T51A	Gray	25.10	54	P	P	13 10 26.2	-1.0
P48A	Milroy	25.18	47	P	P	13 10 26.2	-1.5
BG3	Lake Jocassee	25.18	59	eP	P	13 10 28.3	+0.4
G38A	Ridgeland	25.19	30	P	P	13 10 26.6	-1.3

TZTN	Tazewell	25.24	55	eP	P	13 10 29.0	+0.6
TZTN	Tazewell	25.24	55	P	P	13 10 27.6	-0.8
Q49A	Aurora	25.31	49	P	P	13 10 27.7	-1.3
U52A	Thorn Hill	25.32	55	P	P	13 10 28.1	-1.0
I41A	Arkdale	25.33	34	eP	P	13 10 28.6	-0.5
I41A	Arkdale	25.33	34	P	P	13 10 27.7	-1.4
B08A	Colville Reser	25.36	344	eP	P	13 10 29.8	+0.4
R50A	Paris	25.38	51	P	P	13 10 27.2	-2.4
O59A	Moore Haven	25.46	78	P	P	13 10 28.0	-2.4
H40A	Chico	25.47	32	P	P	13 10 28.8	-1.6
V53A	Saluda	25.49	57	eP	P	13 10 30.7	-0.1
V53A	Saluda	25.49	57	P	P	13 10 29.0	-1.7
G39A	Holcombe	25.60	30	P	P	13 10 31.0	-0.6
S51A	Beattyville	25.63	53	eP	P	13 10 31.7	-0.2
S51A	Beattyville	25.63	53	P	P	13 10 31.0	-0.9
I42A	Draeger Farm,	25.71	35	P	P	13 10 31.6	-1.0
O48A	Farmland	25.76	46	P	P	13 10 31.1	-2.0
F38A	Pierce - Schro	25.79	29	P	P	13 10 31.4	-2.0
H41A	Junction City	25.84	33	P	P	13 10 32.3	-1.4
T52A	Hallie	25.87	54	P	P	13 10 31.2	-3.0
Q50A	Georgetown	25.87	50	P	P	13 10 32.7	-1.4
U53A	Fall Branch	25.90	56	P	P	13 10 33.4	-1.1
R51A	Hillsboro	25.91	51	P	P	13 10 32.2	-2.2
G40A	Rib Lake	26.04	32	eP	P	13 10 34.8	-0.8
G40A	Rib Lake	26.04	32	P	P	13 10 33.2	-2.3
F39A	Loretta	26.19	30	P	P	13 10 34.9	-2.0
AGMN	Agassiz Nation	26.24	20	eP	P	13 10 36.9	-0.4
AGMN	Agassiz Nation	26.24	20	P	P	13 10 35.8	-1.5
O49A	Covington	26.27	47	P	P	13 10 35.1	-2.5
H42A	Shiotoon	26.33	35	P	P	13 10 35.2	-3.0
P50A	Jamestown	26.35	48	P	P	13 10 35.4	-3.0
Q51A	Peebles	26.40	50	eP	P	13 10 38.7	-0.2
Q51A	Peebles	26.40	50	P	P	13 10 35.6	-3.3
KMSC	Kings Mountain	26.48	59	P	P	13 10 37.1	-2.6
F40A	Park Falls	26.56	31	P	P	13 10 38.9	-1.4
E39A	Mellen	26.70	30	P	P	13 10 40.5	-1.0
G42A	Mountain	26.89	34	P	P	13 10 41.7	-1.6
F41A	Three Lakes	26.91	32	eP	P	13 10 42.9	-0.6
F41A	Three Lakes	26.91	32	P	P	13 10 42.3	-1.1
Q52A	Bidwell	27.13	51	P	P	13 10 43.8	-1.6
COWI	Conover	27.16	32	eP	P	13 10 44.8	-0.8
ACSO	Alum Creek Sta	27.20	48	eP	P	13 10 45.5	-0.6
ACSO	Alum Creek Sta	27.20	48	P	P	13 10 44.7	-1.3
G43A	Wallace	27.28	34	eP	P	13 10 46.0	-0.7
G43A	Wallace	27.28	34	P	P	13 10 45.4	-1.4
N50A	Nevada	27.34	47	P	P	13 10 46.0	-1.3
F42A	Maple Grove Fa	27.40	33	P	P	13 10 46.6	-1.2
E41A	Kent	27.50	31	P	P	13 10 47.4	-1.3
P52A	Corning	27.51	50	P	P	13 10 47.2	-1.6
EYMN	Ely	27.52	26	eP	P	13 10 48.1	-0.8
EYMN	Ely	27.52	26	P	P	13 10 47.7	-1.2
J47A	Sumner	27.60	41	P	P	13 10 48.5	-1.1
O52A	Adamsville	27.92	49	P	P	13 10 51.2	-1.4
F43A	Flat Rock, Esc	27.94	34	P	P	13 10 51.2	-1.4
ULM	Lac du Bonnet	27.96	18	eP	P	13 10 51.8	-1.0
ULM	Lac du Bonnet	27.96	18	eP	P	13 21 56.3	
ULM	Lac du Bonnet	27.96	18	eP	P	13 10 51.9	-1.0
P53A	Whipple	27.96	50	eP	P	13 10 52.4	-0.5
P53A	Whipple	27.96	50	P	P	13 10 51.3	-1.6
E42A	Champion	27.98	32	P	P	13 10 52.4	-0.7
O53A	New Philadelph	28.41	49	P	P	13 10 55.5	-1.4
Q55A	Buckhannon	28.50	52	P	P	13 10 58.3	-1.3
O54A	Avella	28.96	50	P	P	13 11 00.7	-1.2
P55A	Reedsville	29.08	51	P	P	13 11 01.9	-1.7
MCWV	Mont Chateau	29.13	51	P	P	13 11 02.3	-0.9
F46A	Macinnis City C	29.18	37	P	P	13 11 02.6	-1.0
E45A	Wooded Hills,	29.32	35	P	P	13 11 04.2	-0.7
N54A	Moraine State	29.56	49	P	P	13 11 05.7	-1.4
O55A	Ligonier	29.72	50	P	P	13 11 07.4	-1.2
R58B	Mineral	29.97	55	P	P	13 11 09.3	-1.5
N55A	Marion Center	30.18	50	P	P	13 11 11.4	-1.2
D46A	Sault St. Mari	30.27	35	P	P	13 11 12.8	-0.5
E47A	Iron Bridge	30.41	37	P	P	13 11 13.5	-1.0
F7C	Flin Flin	30.92	8	eP	P	13 11 18.4	-0.6
E48A	Locoyler	31.04	38	P	P	13 11 18.5	-1.6
D48A	Paudash Townsh	31.64	37	P	P	13 11 24.0	-1.5
E50A	Walapitae	31.81	39	P	P	13 11 26.5	-0.4
D49A	Beulah Townshi	31.95	37	P	P	13 11 27.3	-0.8
G53A	Halliburton	32.37	42	P	P	13 11 30.9	-1.0
E51A	G1948 Merrick	32.59	39	P	P	13 11 32.8	-0.9
BINY	Binghamton	32.80	49	P	P	13 11 34.5	-1.2
E52A	Mattawa	32.94	40	P	P	13 11 35.9	-1.0
D52A	ZEK Kipawa Sen	33.45	40	P	P	13 11 40.8	-0.5
FCC	For Churchill	36.13	13	eP	P	13 12 03.1	-1.1

ZARC	Zaragoza, Cauc	36.88	111	eP	P	13 12 08.9	-2.3
SMLC	San Mar' n de	36.91	109	eP	P	13 12 10.9	-0.5
DLBC	Dease Lake	37.23	342	eP	P	13 12 15.3	+1.5
PTBC	Yukon	37.					

27 Dec 13h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DANN Dangsing, GUN Gumba, KKN Kakani, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warranggana Arr, SONMG Songo Array, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BGOL Bingol, ENGB Bingji, HNCI Diyarbakir Han, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KASI Kota Agung, LWLI Liwa, CGJI Cibinong, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANDN Andirindir, KMRM Kahramanmarras, SAIM ADANA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MMPH Masbate, CNP Catarman, RCP Roxas, etc.

27 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like OCLP Ormoc, AUQP San Andres, PLP Palo, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BUSP Boron, BUTP Butuan, BALP Baler, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like APYP Conner, ABRA Dolores, YULB Yu-Ii, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NJ2 Nanjing, NONG Nongkai, MMRI Maumere, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MDSI Maura Dua, INU Inuyanga, CD2 Chengdu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, etc.

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

Table with columns: Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DANN, PYUN, ZEA, MOY, WMQ, STKA, DGZ, PETK, MK01, MK31, MKAR, MKYK, MKAR, PDGK, MAKZ, KSH, NIL, ZAAO, ZALV, ZALV, ZALV, SFK, NVS, KURK, DZM, KK31, KKAR, OTUK, BRVK, TIXI, BILL, GEYT, ABKAR, RAO, ZEI, RAYN, KBZ, KIV, IM3, CAST, KLMR, BPAW, MLY, MCK, MCK.

Table with columns: Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ILAR, ARCES, BRTR, BRTR, FINES, FINES, INK, AKASO, AKASO, BUR04, BUR08, KMBO, KMBO, NOA, PPT, PPT2, MAW, VVDA, VVDA, YKAS, YKAS, YKAS, YKAS, TXAR, PLCA, JMA, TAP, ISC, Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC.

Table with columns: Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like YUS, TWG, TWG, TWT, TWT, SLBB, SLBB, TDCB, TDCB, SSSLB, SSSLB, LAY, LAY, NWLT, NWLT, SMLT, SMLT, YHNB, YHNB, YHNB, YHNB, NSK, NSK, NSK, NSK, JISG, JISG, JISG, JISG, TYC, TYC, ECL, ECL, ECL, ECL, NWF, NWF, NWF, NWF, WFSB, WFSB, WFSB, WFSB, STYT, STYT, TWA, TWA, TWA, TWA, WJS, WJS, WJS, WJS, CHNS, CHNS, CHNS, CHNS, TATO, TATO, TATO, TATO, WNT, WNT, WNT, WNT, TPUB, TPUB, TPUB, TPUB, WLTB, WLTB, WLTB, WLTB, WTP, WTP, WTP, WTP, SLGT, SLGT, SLGT, SLGT, LIOB, LIOB, LIOB, LIOB, NNST, NNST, NNST, NNST, YM01, YM01, YM01, YM01, YM07, YM07, YM07, YM07, YM10, YM10, YM10, YM10, YM11, YM11, YM11, YM11, YM05, YM05, YM05, YM05, TCU, TCU, TCU, TCU, EAST, EAST, EAST, EAST, WDLH, WDLH, WDLH, WDLH, CHN1, CHN1, CHN1, CHN1, SSD, SSD, SSD, SSD, NSY, NSY, NSY, NSY, TWK, TWK, TWK, TWK, TWK, TWK, TWK, TWK, JTJ, JTJ, JTJ, JTJ, NMLH, NMLH, NMLH, NMLH, MASBT, MASBT, MASBT, MASBT, WCHH, WCHH, WCHH, WCHH, CHY, CHY, CHY, CHY, RLNB, RLNB, RLNB, RLNB, TWCT, TWCT, TWCT, TWCT.

JUN	Nakatsue	70.51 314	eP	P	15 42 50.6	-0.1
PEA08	Petrovavlovsk-157nm	71.78 343	eP	P	15 42 58.4	+0.5
PETK	Petrovavlovsk-8.2nm,0.9s,baz=128,slow=6,SNR=6.2	71.78 343	eP	P	15 42 57.5	-0.4
PEA1	Petrovavlovsk-Monarch Peak	71.99 43	eP	P	15 43 00.3	+0.7
KMRM	Mali Ridge	72.51 39	eP	P	15 43 03.3	+0.6
O02D	Mt. Diablo Mer	73.04 39	P	P	15 43 11.4	+5.5
EDW2	Edwards Air Fo	73.16 46	P	P	15 43 11.6	+5.0
ISA	Isabella, Lake	73.25 45	eP	P	15 43 08.0	+0.8
CMB	Columbia Colle	73.29 42	eP	P	15 43 06.8	-0.6
WDC	Whiskeytown Da	73.44 39	eP	P	15 43 08.6	+0.6
AFDM	Forest Hills D	73.44 41	eP	P	15 43 07.6	-0.5
ORV	Oroville	73.47 40	eP	P	15 43 08.8	+0.6
N02D	Trinity Center	73.57 39	P	P	15 43 14.5	+5.5
O03E	Paynes Creek	73.72 40	P	P	15 43 13.3	+3.5
M02C	Callahan	73.74 38	P	P	15 43 15.1	+5.1
MPMC	Manual Prospec	74.14 45	P	P	15 43 14.3	+1.8
TIN	Tinemaha, Big	74.17 44	P	P	15 43 14.6	+2.0
GSC	Goldstone, Bar	74.21 46	eP	P	15 43 15.9	+3.1
GSC	Goldstone, Bar	74.21 46	P	P	15 43 17.8	+4.9
HEC	Hector, Ludlow	74.29 47	P	P	15 43 17.9	+4.6
HUMO	Hull Mountain	74.42 37	eP	P	15 43 14.6	+0.8
GLA	Glamis	74.47 49	eP	P	15 43 14.7	+0.4
M04C	Maccoello	74.58 38	P	P	15 43 19.8	+4.8
GMRC	Granite Mounta	74.75 47	P	P	15 43 20.7	+4.6
NVAR	Minna Array Bea	74.87 43	P	P	15 43 17.0	+0.2
NVAR	comp-Z,2.04nm,18.9s,baz=124,slow=34	74.89 46	P	P	15 43 21.7	+4.8
KSAR	Korea Array	74.89 316	P	P	15 43 17.5	+0.9
ILAR	comp-Z,2.199nm,21.9s,baz=220,slow=30	74.91 316	P	P	15 43 17.5	+0.8
KSAR	comp-Z,2.199nm,21.9s,baz=220,slow=30	74.91 316	P	P	15 43 18.0	+0.8
KSAR	comp-Z,2.199nm,21.9s,baz=220,slow=30	74.91 316	P	P	15 43 18.4	+0.9
TUQ	Turquoise Moun	74.99 46	P	P	15 43 21.7	+4.8
KSAR	comp-Z,2.199nm,21.9s,baz=220,slow=30	74.91 316	P	P	15 43 17.5	+0.8
KS01	comp-Z,2.199nm,21.9s,baz=220,slow=30	74.91 316	P	P	15 43 18.0	+0.8
Y12C	comp-Z,2.199nm,21.9s,baz=220,slow=30	74.91 316	P	P	15 43 18.4	+0.9
113A	Mohawk Valley,	75.11 50	eP	P	15 43 18.7	+0.7
QSPA	South Pole Qui	75.12 180	eP	P	15 43 19.2	+1.5
LDFC	Landfair	75.28 47	eP	P	15 43 18.7	-0.4
J04D	Umpqua Nationa	75.30 37	P	P	15 43 24.0	+4.9
TPNV	Topopah Spring	75.45 45	eP	P	15 43 20.4	+0.3
HSIG	9.9nm,1.2s	75.53 54	eP	P	15 43 21.5	+1.0
MOD	Modoc Plateau	75.58 39	eP	P	15 43 22.2	+1.5
J05D	Fort Rock, OR	75.84 37	P	P	15 43 23.3	+1.2
USRK	Ussuriysk Ar,	76.17 324	P	P	15 43 24.4	+0.5
USRK	comp-Z,2.04nm,18.9s,baz=124,slow=34	76.17 324	P	P	15 43 24.4	+0.5
LEM	Lembang	76.33 266	LR	LR	16 16 32.6	
R11A	Troy Canyon, C	76.63 44	eP	P	15 43 27.0	+0.2
R11A	comp-Z,2.144nm,21.7s,baz=102,slow=36	76.63 44	eP	P	15 43 27.0	+0.2
R11A	comp-Z,2.144nm,21.7s,baz=102,slow=36	76.63 44	eP	P	15 43 27.2	+0.4
G05D	Tucson	77.12 51	eP	P	15 43 31.2	+1.6
TUCS	9.8nm,1.1s	77.19 262	eP	P	15 43 31.4	0.0
XMIS	Christmas Isla	77.39 262	eP	P	15 43 31.4	0.0
LON	Longmire	77.61 34	eP	P	15 43 33.5	+1.6
319A	Douglas	77.86 53	eP	P	15 43 34.7	+1.0
WUAZ	Wupatki	78.17 48	P	P	15 43 37.2	+1.8
E07A	Sunnyside	78.57 35	eP	P	15 43 37.9	+0.7
MTPU	Mount Pierson	78.80 46	eP	P	15 43 41.2	+2.1
TCRU	Three Creeks R	78.89 45	eP	P	15 43 42.1	+2.7
HPIG	Palmer	78.91 58	eP	P	15 43 39.8	+0.1
PMR	98nm,2.0s	78.93 12	eP	P	15 43 39.8	+1.0
E08A	Dider Farm, El	78.98 36	eP	P	15 43 41.8	+2.4
BMO	Blue Mountains	79.05 38	eP	P	15 43 42.3	+2.3
D08A	Wollman Farm	79.38 35	eP	P	15 43 44.0	+2.4
WRAK	Wrangell Islan	79.41 22	eP	P	15 43 41.5	0.0
DUG	Dugway, Toeole	79.42 43	P	P	15 43 43.1	+0.9
E09A	Wood Farm, Sta	79.51 36	eP	P	15 43 44.2	+1.9
SCM	Sheep Creek Mo	79.52 13	eP	P	15 43 43.1	+0.9
BGU	Big Gray Mou	79.64 43	eP	P	15 43 43.9	+0.4
NLU	North Lily Min	79.80 44	eP	P	15 43 45.3	+0.9
B08A	Colville Reser	79.92 34	eP	P	15 43 46.3	+1.8
ZAIG	Zacatecas	79.97 63	eP	P	15 43 47.8	+2.0
CAST	Castle Rocks	80.06 10	eP	P	15 43 45.1	+0.1
HLID	Hailey	80.11 40	eP	P	15 43 46.5	+0.6
HLID	8.9nm,0.9s	80.11 40	eP	P	15 43 46.7	+0.8
CTU	Camp Tracy	80.37 43	eP	P	15 43 49.0	+1.7
TRF	Thorofare Moun	80.40 11	eP	P	15 43 48.3	+1.3
SRU	San Rafael Swe	80.45 45	eP	P	15 43 49.6	+1.8
P17A	Butcher Ranch,	80.45 45	eP	P	15 43 49.3	+1.4
HARP	HAARP	80.51 13	eP	P	15 43 48.5	+1.1
JLU	Jordanelle	80.53 44	eP	P	15 43 49.3	+1.0
DHY	Denali Highway	80.63 12	eP	P	15 43 48.2	0.0
RND	Reindeer	80.63 12	eP	P	15 43 49.1	+1.0
SKAG	Skagway	80.72 19	eP	P	15 43 48.8	+0.2
MCK	McKinley	80.91 11	eP	P	15 43 49.1	-0.4
PAX	Paxson	80.94 13	eP	P	15 43 49.9	+0.1
PV05	Paradox Valley	80.96 47	eP	P	15 43 50.8	+0.1
MNTX	Cornudas Mount	81.01 54	eP	P	15 43 52.2	+1.4
NEW	Newport	81.07 35	eP	P	15 43 52.5	+1.8
LPM	Los Pinos Moun	81.12 51	eP	P	15 43 52.5	+1.0

PV10	Paradox Valley	81.14 46	eP	P	15 43 52.7	+1.0
HYT	Haines Junctio	81.15 17	eP	P	15 43 51.3	+0.3
PV19	Morning Glory	81.15 47	eP	P	15 43 53.0	+1.3
PV17	East Wray Mesa	81.18 47	eP	P	15 43 52.7	+1.1
PV20	West Weywonger	81.18 47	eP	P	15 43 52.6	+0.8
PV23	Paradox Ridg	81.19 46	eP	P	15 43 53.8	+1.8
PV03	Paradox Valley	81.22 47	eP	P	15 43 53.5	+1.5
PV11	David Mesa, Pa	81.22 47	eP	P	15 43 54.6	+2.6
PV21	Cone Mtn., Par	81.27 46	eP	P	15 43 53.2	+0.9
PV02	Paradox Valley	81.28 47	eP	P	15 43 53.0	+0.6
PV01	Paradox Valley	81.36 47	eP	P	15 43 52.9	+0.1
LTX	Lajitas	81.46 57	eP	P	15 43 53.4	+0.1
TXAR	Lajitas Array	81.46 57	P	P	15 43 53.4	+0.1
TXAR	comp-Z,2.2nm,1.1s,baz=232,slow=5.9,SNR=6.5	81.46 57	P	P	15 43 53.4	+0.1
ANMO	Albuquerque	81.52 51	eP	P	15 43 54.9	+1.3
ANMO	Albuquerque	81.52 51	eP	P	15 43 54.4	+0.8
WRB	Wood River Hill	81.74 11	eP	P	15 43 53.3	-0.6
DLBC	Dease Lake	81.75 22	eP	P	15 43 53.9	-0.3
RIDG	Independen Rid	81.75 13	eP	P	15 43 54.6	+0.6
MLY	Manley	81.78 10	eP	P	15 43 54.1	0.0
AHD	Adour Hatcher	81.80 42	eP	P	15 43 56.7	+1.7
DOT	Dot Lake	81.84 13	eP	P	15 43 54.0	-0.5
HDA	Harding Lake	81.91 12	eP	P	15 43 55.5	+0.8
HDA	Harding Lake	81.91 12	P	P	15 43 56.3	+1.6
GDL2	Guadalupe Moun	82.01 54	eP	P	15 43 57.1	+0.9
M50	Missoula	82.10 37	P	P	15 43 58.7	+2.4
SCRK	Sand Creek	82.14 13	eP	P	15 43 57.3	+1.2
TCOL	CIGO, UAF Yank	82.15 11	eP	P	15 43 56.8	+0.9
COLA	College	82.15 11	eP	P	15 43 56.1	+0.1
MDM	Murphy Dome	82.16 11	eP	P	15 43 56.2	+0.2
IM3	Indian Mountai	82.19 9	eP	P	15 43 57.1	+0.8
ILAR	Eielson Array	82.24 12	P	P	15 43 56.1	-0.4
ILAR	comp-Z,2.6nm,0.9s,baz=225,slow=6.7,SNR=12	82.24 12	P	P	15 43 56.1	-0.4
ILAR	comp-Z,2.199nm,21.9s,baz=220,slow=30	82.24 12	P	P	15 43 55.2	-1.3
ILB	Eielson Array	82.24 12	eP	P	15 43 55.5	-1.0
IL1	Eielson Array	82.24 12	eP	P	15 44 00.1	+2.1
SNOW	Snow King Moun	82.36 41	eP	P	15 43 59.2	+0.7
S22A	JUR Ranch, Cre	82.43 48	eP	P	15 43 57.1	+0.5
POKR	Poker Flat Res	82.45 11	P	P	15 43 57.1	+0.5
FLWY	Flagg Ranch	82.69 41	eP	P	15 44 03.3	+3.6
YPP	Pitchstone Pla	82.72 41	eP	P	15 44 03.5	+3.7
BW06	Boulder Array	82.80 42	eP	P	15 44 00.1	-0.2
PD31	Pinedale Array	82.80 42	eP	P	15 44 00.3	+0.1
PDAR	Pinedale Array	82.80 42	eP	P	15 44 00.1	-0.2
PDAR	comp-Z,2.247nm,20.4s,baz=250,slow=31	82.80 42	eP	P	15 44 00.3	+0.1
PDAR	comp-Z,2.247nm,20.4s,baz=250,slow=31	82.80 42	eP	P	15 44 01.4	+1.2
YMR	Madison River	82.81 40	eP	P	15 44 02.9	+2.6
BOZ	Bozeman (W)	82.86 39	eP	P	15 44 02.2	+1.0
SMC	Snowmass	82.94 46	eP	P	15 44 02.9	+1.0
LKWY	Lake	83.11 40	eP	P	15 44 03.9	+2.0
PRP	Porcupine Dome	83.17 12	eP	P	15 44 01.9	+0.3
RD0G	Red Dog Mine	83.20 4	eP	P	15 44 02.9	+1.4
DAWY	Dawson	83.30 15	eP	P	15 44 01.8	-0.3
SDCO	Great Sand Dun	83.39 48	eP	P	15 44 03.5	+0.4
SDCO	Great Sand Dun	83.39 48	P	P	15 44 03.9	+0.4
EGAK	Eagle	83.47 14	eP	P	15 44 03.6	+0.7
RWWY	Rawlins	83.87 44	eP	P	15 44 01.8	-0.4
COLD	Coldfoot	83.89 9	eP	P	15 44 04.6	-0.3
MSTX	Muleshoe	83.92 53	P	P	15 44 06.0	-0.1
RLMT	Red Lodge	84.09 40	P	P	15 44 07.3	+0.6
EPYK	Eagle Plains	85.83 14	P	P	15 44 15.1	+0.3
ABTX	Abilene, Hawle	85.87 55	P	P	15 44 17.5	-0.1
MAW	Mawson	87.81 199	P	P	15 44 25.6	+1.1
MAW	comp-Z,6.4nm,0.9s,baz=83,slow=4.4,SNR=6.9	87.81 199	P	P	15 44 25.6	+1.1
MAW	comp-Z,4.21nm,18.3s,baz=111,slow=34	87.81 199	P	P	15 44 24.0	-0.5
YKA	Yellowknife Ar	90.19 24	P	P	15 44 36.1	+0.5
YKA	comp-Z,4.21nm,18.3s,baz=111,slow=34	90.19 24	P	P	15 46 53.4	
YKB5	Yellowknife Ar	90.19 24	eP	P	15 44 35.0	-0.6
YKW3	Yellowknife Ar	90.23 24	eP	P	15 44 36.3	+0.5
PLCA	Paso Flores	90.81 133	LR	LR	16 16 19.1	
CM01	Chiang Mai Arr	91.18 289	P	P	15 44 39.9	-1.4
CMAR	Chiang Mai Arr	91.20 289	P	P	15 44 42.5	+1.1
CMAR	comp-Z,3.0nm,1.0s,baz=85,slow=3.0,SNR=15	91.20 289	P	P	15 44 42.5	+1.1
T41A	Mountain View	93.41 53	P	P	15 44 50.9	-0.4
SONA	Songino Array	93.61 319	eP	P	15 44 53.2	+1.1
SONM	Songino Array	93.61 319	eP	P	15 44 53.2	+1.1
SONM	comp-Z,0.4nm,0.5s,baz=106,slow=3.2,SNR=3.8	93.61 319	eP	P	15 44 53.2	+1.1
ULM	Lac du Bonnet	94.40 39	LR	LR	16 22 29.6	
P42A	Winchester	95.16 51	P	P	15 44 59.2	0.0
GTA	Gaotai	95.85 309	eP	P	15 45 03.0	+0.5
GTA	comp-Z,2.0nm,1.0s	95.85 309	eP	P	15 45 03.0	+0.5
GTA	comp-Z,2.0nm,1.0s	95.85 309	eP	P	15 45 12.0	-5.7
GTA	comp-Z,2.100nm,6.4s	95.85 309	eP	P	15 45 12.0	-5.7
GTA	comp-N,1.70nm,20.0s	95.85 309	eP	P	15 45 12.0	-5.7
GTA	comp-E,3.90nm,21.3s	95.85 309	eP	P	15 45 12.0	-5.7
ARAD	ARCESS Array S					

27d 16h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Virac, Roxas, Ternate, Sorong, etc.

ISCJB 27 16:33:58.9.0.2, 12.40S, 0.04, 14.84W, 0.04, h15km, mb4.9/116, MS4.2/23, Error ellipse: s-maj=6.2km, s-min=4.2km az=143.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASCENSION HYDR, ASCENSION HYDR 3.37, etc.

2012 DEC

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Riachuelo, Torodi Arr, Torodi Arr, etc.

1354

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Cerro Castillo, Anoyia, Sanjo Domingo, etc.

1355

Table with columns: CCM, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ISR Istrita, DOPR Dopca, BRTR Keskin Array B, etc.

2012 DEC

Table with columns: CCM, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CCM Cathedral Cave, T41A Mountain View, R41A Rosebud, etc.

27d 17h

Table with columns: SDDR, GRTK, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SDDR Grand Turk, IDC 27 16:49:57.2, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for JKH, JKN, NEM, JAK, GLVR, etc.

ISCJB 27 18:12:16.3:0.8, 81.9S:0.1x173.5W:0.2, h350km, mb3.5/6, Error ellipse: s-maj=20.5km s-min=13.2km az=20.2

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for DZM, OUM, GRZ, WZC, etc.

ISC 27 18:18:25.5:38.65N:43.23E, h26km, ML2.5/3, Error ellipse: s-maj=7.5km s-min=5.1km az=42.6

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for VANB, VAN, TVAN, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for BATI, WRA, ASAR, MKAR.

JMA 27 18:29:21.1±0.3, 36.84N×143.81E, h46km, M3.5, Off coast coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for JFK, ONAJ, JIO, etc.

ATH 27 18:36:04.1, 36.73N:29.29E, h12km, 4km, ML2.6/2, Error ellipse: s-maj=5.4km s-min=1.1km az=194.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for FET, AKAS, ELL, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for TURN, GOLH, TAVA, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for ARG, ANTB, BRDR, etc.

ISC 27 19:06:52.1±2.3, 19.29S×176.84W, h333km, 22km, mb3.5/6, Error ellipse: s-maj=20.7km s-min=12.8km az=119.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for URZ, RPZ, STKA, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for ARCES, FINES, EKA, etc.

TIR 27 19:26:59.3, 41.49N:20.50E, h20km, Md2.8/4, Error ellipse: s-maj=7.8km s-min=1.2km az=208.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for PHP, TIR, OHR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for KRUS, PUK, BIA, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for FNA, NEST, STIP, etc.

ISCJB 27 19:29:10.7±0.7, 13.70N:0.06E, 9.1W:0.05, h10km, mb4.1/9, MS3.1/2, Error ellipse: s-maj=9.8km s-min=4.4km az=34.9

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for SJES, SELS, KNT, etc.

MEX 27 19:29:13.9±1.4, 13.71N:92.36W, h2km, 999km, MD4.0, Error ellipse: s-maj=21.5km s-min=8.5km az=33.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes entries for THIG, APG, PCIG, etc.

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

IDC 27 19:32:07.4.1.14S:126'60E, h0km, mb3.9/6, mb1 4.1/7, mb1mx3.8/35, mbtimp3.9/7, ML3.8/1, Error ellipse: s-maj=34.7km s-min=17.0km az=67.0

ISCJB 27 19:32:10.5.0.4.1.00S:0.05:126'85E,0.06,h34km, mb3.9/6, Error ellipse: s-maj=8.8km s-min=7.0km az=143.8

DJA 27 19:32:11.9.0.3.1.1S:4'12'7E, h10km, M4.2/9, mb4.5/4, mB5.0/2, MLV4.0/9, Mw(mB)4.3/2

NEIC 27 19:32:12.2.0.8.1.12S:126'78E, h36km, mb4.1/5, Error ellipse: s-maj=10.8km s-min=5.6km az=64.0

ISC 27 19:32:12.4.0.7.0.97S:0.07:126'56E,0.06,h34km,n29, s=174.30,mb3.9/6,Southern Molucca Sea

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

MAN 27 19:35:58.6.10.86N:126'90E, h13km, mb4.8, ML3.7, M3.7/3

ISCJB 27 19:36:03.0.2.0.7.10.60N:0.07:126'83E,0.05,h44km, mb3.9/8, Error ellipse: s-maj=10.0km s-min=7.0km az=22.2

IDC 27 19:36:06.1.7.0.10.46N:126'51E, h48km, mb3.6/8, mb1 3.6/8, mb1mx3.4/35, mbtimp3.8/8, Error ellipse: s-maj=57.9km s-min=17.6km az=62.0

ISC 27 19:36:05.3.0.8.10.59N:0.08:126'76E,0.08,h44km,n13, s=1807.19,mb3.8/8,1C,Philippine Islands region

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

ISCJB 27 19:53:26.4.0.4.57.54N:0.03:142'68W,0.05,h10km, mb3.1/1, Error ellipse: s-maj=4.5km s-min=3.7km az=30.6

IDC 27 19:53:28.9.1.7.57.71N:142'71W, h0km, mb3.2/1,

mb1 3.6/6, mb1mx3.3/37, mbtimp3.4/6, ML3.0/4, M3.2/1, M3.1 3.2/1, m5.1mx2.4/21, Error ellipse: s-maj=26.2km s-min=16.5km az=43.0

PGC 27 19:53:31.4.1.4.57.56N:142'47W, h10km, ML3.2, ML3.5/9, 259km Wsw of Yakutat, AK, Gulf of Alaska

NEIC 27 19:53:39.0.0.57.57N:142'75W, h12km, ML3.2(AEIC), After AEIC.

ISC 27 19:53:28.2.1.0.57.60N:0.07:142'77W,0.05,h10km,n61, s=172.74,Gulf of Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KAIM, Kayak Island, SNH, Sunshine Point, etc.

IDC 27 20:04:31.7.1.9.035N:125'74E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.4/31, mbtimp3.5/3, Error ellipse: s-maj=183.1km s-min=24.6km az=65.0, Northern Molucca Sea

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

ISC 27 20:14:17.7.2.9.16.82S:175'25W, h0km, mb3.6/3, mb1 3.9/3, mb1mx3.6/28, mbtimp3.6/3, Error ellipse: s-maj=358.5km s-min=30.5km az=158.0, Tonga Islands

WRA Waramunga Arr 47.80 258 P 20 22 56.6 -0.7

ASAR Alice Springs 47.99 253 P 20 22 59.1 +0.4

TXAR Lajitas Array 82.86 57 P 20 26 44.7 0.0

DDA 27 20:25:08.6.42'16N:41'03E, h7km, M1.6

ISC 27 20:25:06.7.4.5.42.30N:0.1:41'0E,0.3,h7km,n15, s=0541/10,Black Sea

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

MAN 27 20:31:47.9.9.73N:126'58E, h2km, mb4.8, ML3.7, M3.6/3, 2C-1D, Mindanao

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

IDC 27 20:36:44.3.2.1.0.77N:126'71E, h0km, mb3.3/3, mb1 3.6/3, mb1mx3.3/27, mbtimp3.4/3, Error ellipse: s-maj=174.8km s-min=25.9km az=66.0, Northern Molucca Sea

WRA Waramunga Arr 21.90 160 P 20 41 38.5 -0.7

ASAR Alice Springs 25.27 164 P 20 42 13.0 +0.5

MKAR Makanchi Array 59.98 326 P 20 46 52.6 -0.1

ISCJB 27 20:53:57.1.1.8.56'06N:0'06:164'65E,0.07, h13km,12km, mb3.6/10, Error ellipse: s-maj=9.07km s-min=6.1km az=179.4

KRSC 27 20:53:59.5.1.4.55'80N:164'26E, h15km,12km, ML3.8 IDC 27 20:54:04.2.2.9.56'07N:164'65E, h59km,29km, mb3.4/10, mb1 3.7/11, mb1mx3.4/44, mbtimp3.6/11, ML2.2/1, Error ellipse: s-maj=29.1km s-min=13.0km az=144.0

ISC 27 20:53:56.9.3.7.55.90N:0.06:164'43E,0.06,h4km,24km, n33,+2917/38,mb3.5/10,Komondoro Islands region

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

IDC 27 20:54:31.7.1.9.035N:125'74E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.4/31, mbtimp3.5/3, Error ellipse: s-maj=183.1km s-min=24.6km az=65.0, Northern Molucca Sea

WRA Waramunga Arr 21.85 158 P 20 52 24.4 -1.7

ASAR Alice Springs 25.15 162 P 21 00 00.0 +1.2

MKAR Makanchi Array 59.79 327 P 21 04 38.6 -0.1

ISC 27 21:01:23.9.1.4.37.54N:44'54E, h0km, mb3.9/6, ML3.1

ISCJB 27 21:01:26.5.1.37.78N:44'66E, h4km, ML3.1/8

ISCJB 27 21:01:28.3.1.1.37.63N:0.04:44'67E,0.05,h24km,10km, Error ellipse: s-maj=37.2km s-min=6.1km az=44.5

TEH 27 21:01:28.2.37'00N:142'63E, h12km, ML3.0

DDA 27 21:01:28.4.27'00N:44'54E, h6km, M1.2

ISC 27 21:01:27.5.1.3.37.76N:0.03:44'63E,0.03,h10km,11km, n37,+1936/42,Turkey-Iran border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YOVA, Hakkari, Y...kse, ISHB, Shebashar, etc.

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

IDC 27 21:10:44.0.3.2.6.48S:129'79E, h0km, mb3.4/1, mb1 3.7/3, mb1mx3.4/20, mbtimp3.5/3, ML3.7/2, Error ellipse: s-maj=149.8km s-min=31.2km az=69.0, Banda Sea

WRA Waramunga Arr 14.10 162 P 21 14 05.6 -0.0

WRA Waramunga Arr 14.10 162 P 21 16 26.9 -1.6

ASAR Alice Springs 17.54 167 P 21 14 49.9 -0.4

MKAR Makanchi Array 67.68 327 P 21 21 43.2 0.0

27d 23h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DOPR Dopca, PSZ Pizkisteto, KMBLO Kilima Mbojo, etc.

27d 21:52:14.8-9.3, 15:02Sx174.07W, h0km, mb3.5/2, mb1 3.8/2, mb1mx3.5/38, mbmt3.5/2, MS3.5/1, Ms1 3.5/1, ms1mx2.8/32, Error ellipse: s-maj=396.4km s-min=65.8km az=139.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, SIJL comp=3.58nm, 18.2s, slow=35, etc.

27d 21:58:08.4-2.7, 39:30N x 110.71E, h0km, mb3.4/3, mb1 3.5/4, mb1mx3.2/53, mbmt3.4/4, ML2.9/1, Error ellipse: s-maj=48.2km s-min=39.2km az=25.0, Western Nei Mongol

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SONM Songino Array, SONM 0.2nm, 0.3s, baz=160, slow=30, SNR=3.0, etc.

MEX 27:15:58.27.1-0.3, 24:52N x 110.62W, h33km, 5km, MD3.9, Baja California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LPIG La Paz, LPIG baz=326, slow=3.2, SLBS Sierra La Lagu, etc.

27d 21:49:25.9-15.0, 24:04S x 178.61W, h548km, 157km, mb3.0/4, mb1 3.2/5, mb1mx2.9/41, mbmt4.1/5, Error ellipse: s-maj=280.8km s-min=95.0km az=66.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like URZ Urewera, URZ 0.6nm, 0.3s, baz=349, slow=17, SNR=4.2, etc.

27d 22:01:08.0-2.3, 7:57S, 120:92E, h230km, 23km, mb2.5/2, mb1 2.8/4, mb1mx2.6/49, mbmt3.3/4, Error ellipse: s-maj=138.9km s-min=14.7km az=51.0, Flores Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BATI Baumata, BATI 2.7nm, 0.3s, baz=247, slow=17, SNR=4.3, etc.

MEX 27:22:04:50.9-9.8, 24:56N x 110.71W, h17km, MD3.7, Baja California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LPIG La Paz, LPIG baz=6.7, slow=5.3, SLBS Sierra La Lagu, etc.

27d 22:10:08.4-1.8, 15:20S x 173.33W, h0km, mb3.6/6, mb1 4.0/6, mb1mx3.7/36, mbmt3.6/6, MS3.5/3, Ms1 3.5/3, ms1mx3.0/24, Error ellipse: s-maj=109.3km s-min=24.0km az=150.0, Tonga Islands

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

27d 22:17:14.4-0.8, 1:76N, 126:47E, h0km, mb4.0/9, mb1 4.2/9, mb1mx3.9/40, mbmt4.0/9, Error ellipse: s-maj=41.8km s-min=15.2km az=75.0, DJA 27:22:17:17.1-3.2, 21N, 12:12 7E, h10km, M4.1/9, mb4.4/7, mb4.7/1, MLV4.0/9, Mw(mb)3.9/1

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ISCJB 27 22:17:18.8-0.6, 1:76N, 0:06, 126:53E, 0:06, h47km, mb4.0/9, Error ellipse: s-maj=9.6km s-min=8.4km az=32.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TNTI Ternate, KMSI Cibinong, SANI Sanana, etc.

27d 22:26:37.4-11.0, 36:31N x 170:56E, h206km, 105km, mb3.1/4, mb1 3.2/5, mb1mx2.8/42, mbmt3.6/5, Error ellipse: s-maj=55.5km s-min=27.7km az=21.0

ISCJB 27 22:26:39.5-1.2, 36:31N x 170:56E, 0:12, h213km, mb3.3/3, Error ellipse: s-maj=20.4km s-min=11.3km az=40.5

NNC 27 22:26:39.8-7.8, 37:02N, 69:92E, h0km, mb4.1, mpv3.7, Error ellipse: s-maj=61.4km s-min=47.4km az=177.0

27d 22:26:39.0-1.3, 36:65N, 0:1, 70:4E, 0:1, h213km, n16, s138/19, mb3.3/3, 5C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, SFK 4.2nm, 0.3s, SFK 10nm, 0.4s, etc.

27d 23:18:16.7-1.7, 4:46N, 125:60E, h171km, 22km, mb3.6/4, mb1 3.9/6, mb1mx3.3/45, mbmt4.3/6, MS3.2/1, Ms1 3.2/1, ms1mx2.4/33, Error ellipse: s-maj=66.8km s-min=13.8km az=70.0

27d 23:18:15.8-0.9, 4:40N, 0:09, 125:9E, 0:3, h150km, n9, s151/11, mb4.0/4, 1D, Talaud Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DAV Davao City (W), DAV 59nm, 0.3s, baz=18, slow=9.6, SNR=2.8, etc.

NEIC 27 23:20:53.8-0.0, 38:22N, 21:85E, h20km, mb4.1/4, MW4.0, ML3.8(ATH), ML4.0(7HE) Best double couple: NP1: phi=280.00000, 830.00000, lambda=118.00000, NP2: phi=131.00000, 864.00000, lambda=75.00000. Principal axes: T 1.42000, Plg18.00000, Azm210.00000; N -0.30000, Plg173.00000, Azm305.00000; P -1.12000, Plg67.00000, Azm70.00000; Alter ATH.

NEIC Felt at Paralia. ATH 27 23:20:53.8, 38:22N, 21:85E, h20km, 1km, ML3.8/30 Error ellipse: s-maj=1.1km s-min=0.6km az=281.0

27d 23:20:53.0-1.0, 6.38:25N, 21:91E, h0km, mb4.0/20, mb1 4.1/23, mb1mx4.0/50, mbmt3.9/28, ML3.7/7, MS3.3/5, Ms1 3.4/5, ms1mx3.8/51, Error ellipse: s-maj=13.5km s-min=12.9km az=175.0

PDG 27 23:20:54.4-0.5, 38:22N, 21:89E, h10km, ML3.8/10, Error ellipse: s-maj=0.4km s-min=0.6km az=0.0

THE 27 23:20:54.1, 38:22N, 21:86E, h15km, ML3.8/10, Error ellipse: s-maj=0.4km s-min=0.3km az=15.0

ISCJB 27 23:20:54.0-0.2, 38:22N, 0:01, 21:83E, 0:01, h13km, 1km, mb4.1/29, Error ellipse: s-maj=2.1km s-min=1.7km az=43.1

MOS 27 23:20:55.4-0.9, 38:26N, 21:92E, h22km, mb4.2/18, Error ellipse: s-maj=6.5km s-min=3.1km az=81.4

27d 23:20:54.8-0.6, 38:22N, 0:01, 21:86E, 0:01, h13km, 3km, s136/1, 1841/384, mb4.0/29, 29C-16E, Greece

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ALIK Aigiali, ALIK Epalio, ALIK Kalithea, etc.

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28d 1h

IDC 28 00:26:10.2.0.7, 14:88Sx173:70W, h0km, mb4, 1/12, mb1 4.4/12, mb1mx4.2/33, mbtmp4, 1/12, MS3.6/13, Ms1 3.7/13, ms1mx3.4/31, Error ellipse: s-maj=39.2km s-min=15.5km az=140.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like Niue, Kanton, Mont Dzumac, Rata Peaks, Warramunga Arr, etc.

ISCJB 28 00:28:16.0.0.6, 27:02N.0:04-88:16W.0:03, h10km, mb3 0/2, Error ellipse: s-maj=5.9km s-min=4.1km az=1.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists stations like Pace, Bay Minette, Lynn Haven, Crestview, Vernon.

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Main table listing stations from 451A to X50B, including codes, station names, coordinates, and various data points.

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Table listing stations from W46A to ILAR, including codes, station names, coordinates, and various data points.

DJA 28 00:44:55.0.3.0, 3°N, 120°E, h47km, 7km, M3.9/12, mb4.9/12, MLV3.9/12, Mw(mB)4.2/1, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists stations like Mpsi, Palu, Marisa, Ampana, Sangatta, Kali, etc.

IDC 28 00:58:22.8.4.0, 6.29:23Sx144:68W, h0km, mb3 8/2, mb1 4.1/2, mb1mx3.7/23, mbtmp3.8/2, Error ellipse: s-maj=395.3km s-min=54.7km az=160.0, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists stations like ASAR, Cape Leeuwin H, Cape Leeuwin W, Cape Leeuwin W3, Warramunga Arr, etc.

GUC 28 01:22:35.4.0.6, 29:23Sx71:16W, h59km, 4km, ML3.7, SJA 28 01:22:35.6.0.5, 29:26Sx71:36W, h24km, 4km, ML3.4, MW3.6

ISC 28 01:22:35.5.2.5, 29:25Sx0:07x71:33W.0:10, h1km, 13km, n14, r124/22, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists stations like Las Campanas, Las Serena, Tololo Observa, Cerro Coronel, etc.

Table with columns: RTLS, AUSP, ASAL, ARCO, comp=Z,42m,0.6s. Includes stations like Uspallata, Salgarro, CERRITO ARCO.

PGC 28 01:44:42.5:1.1, 49:01N:128:80W, h10km, ML.SN2,8/27, Mw3.4/27, 209km Wsw of Gold R., Bc Vancouver Island, Canada Region

ISC 28 01:44:46.2:2.5, 49:32N:128:34W, h0km, mb3.3/2, mb1 3.6/7, mb1mx3.4/42, mbtmp3.3/7, ML3.5/3, MS3.2/2, Ms1 3.2/2, ms1mx2.8/21, Error ellipse: s-maj=38.8km s-min=12.0km az=61.0

ISC 28 01:44:40.3:1.6, 49:02N:103:128.71W:0.04, h2km±12km, n45, ±2514/60, Vancouver Island region

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like NEPTUNE Canada, Estevan Point, Barkley Canyon, etc.

DRS 28 01:45:24.2:0.0, 43:04N:47:94E, h16km MOS 28 01:45:23.8:0.0, 42:96N:47:77E, h14km, MPVA3.5, Eastern Caucasus

Table for Eastern Caucasus section, listing stations like BUJR, KARAN, DBC, UNCR, etc.

NIED 28 01:53:00.37:30N:142:40E, h44km, Mw3.5 Best double couple: M0.196000:1014 NP1:30.400000:839.000000, 1.95.000000, NP2:30.200000:851.000000, 1.86.000000

JMA 28 01:53:15.7:0.3, 37:32N:142:40E, h16km±4km, M3.5, Off east coast of Honshu

Table for Off east coast of Honshu section, listing stations like Kawauchi, Ishinomakikobu, etc.

Table for 2012 DEC section, listing stations like Ashikaga, Baumata, etc.

ISC 28 01:57:36.1:1.7, 8:38S:129:17E, h0km, mb4.2/1, mb1 3.8/4, mb1mx3.5/32, mbtmp3.7/4, ML3.4/3, Error ellipse: s-maj=38.2km s-min=27.1km az=66.0, Timor Sea

Table for Timor Sea section, listing stations like BAUMATA, WARRAMUNGA ARR, etc.

NIED 28 02:23:00, 36:80N:143:80E, h5km, Mw3.7 Best double couple: M0.454000:1014 NP1:30.32.000000:831.000000, 1.93.000000, NP2:30.215.000000:859.000000, 1.88.000000

ISC 28 02:23:18.6:0.8, 36:62N:144:17E, h0km, mb3.5/8, mb1 3.8/11, mb1mx3.6/39, mbtmp3.5/11, ML3.5/3, MS2.8/2, Ms1 2.8/2, ms1mx2.3/36, Error ellipse: s-maj=27.9km s-min=18.0km az=125.0

ISC/JB 28 02:23:22.1:0.6, 36:76N:144:17E, h3km, mb3.5/8, Error ellipse: s-maj=5.6km s-min=5.0km az=168.9

JMA 28 02:23:24.3:0.3, 36:84N:143:79E, h52km, M3.7 ISC 28 02:23:23.8:0.8, 36:81N:143:80E:0.07, h35km, n27, s=173/40, mb3.6/8, Off east coast of Honshu

Main table for 2012 DEC section, listing station names, coordinates, and seismic data for various stations like Ishinomakikobu, Kawauchi, etc.

MEX 28 03:12:03.6:0.3, 18:23N:101:31W, h43km±1km, MD3.9, Guerrero

Table for Guerrero section, listing stations like ZIIG, ARIG, etc.

SOME 28 03:46:02.3:4.1, 22N:72:05E, h5km KRNET 28 03:46:02.2:0.1, 41:22N:72:05E, h15km, mb2.3

NINC 28 03:46:03.3:3.2, 41:21N:71:98E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=30.7km s-min=15.8km az=71.0

ISC/JB 28 03:46:04.4:0.5, 41:20N:0:03:72:08E:0.04, h10km, Error ellipse: s-maj=4.6km s-min=4.2km az=164.9

ISC 28 03:46:03.3:0.8, 41:18N:0:03:71:97E:0.03, h10km, n19, s=196/35, 15C-6D, Kyrgyzstan

Table for Kyrgyzstan section, listing stations like ARK, ARSB, etc.

ISC 28 02:55:16.6:2.4, 23:30S:115:39W, h0km, mb3.6/2, mb1 4.1/2, mb1mx3.6/31, mbtmp3.6/2, Error ellipse: s-maj=147.1km s-min=69.2km az=83.0, Southern East Pacific Rise

Table for Southern East Pacific Rise section, listing stations like MINA ARRAY BEA, etc.

UCR 28 02:55:31.8:1.8, 8:94N:84:17W, h1km±4km, MD3.6, Off coast of Costa Rica

Table for Off coast of Costa Rica section, listing stations like DOMINICAL, LAS MERCEDES, etc.

Table for 28d 3h section, listing stations like Buenos Aires, Puerto Jim, etc.

ISC 28 02:58:19.3:7.7, 16:75S:172:81W, h0km, mb3.5/2, mb1 3.8/2, mb1mx3.4/36, mbtmp3.5/2, Error ellipse: s-maj=360.9km s-min=62.2km az=143.0, Samoa Islands region

Table for Samoa Islands region section, listing stations like WARRAMUNGA ARR, etc.

GUC 28 03:09:13.6:0.6, 22:19S:68:63W, h136km±4km, ML3.6, 8C-4D, Northern Chile

Main table for 28d 3h section, listing station names, coordinates, and seismic data for various stations like IPOC STATION P, etc.

MEX 28 03:12:03.6:0.3, 18:23N:101:31W, h43km±1km, MD3.9, Guerrero

Table for Guerrero section, listing stations like ZIIG, ARIG, etc.

SOME 28 03:46:02.3:4.1, 22N:72:05E, h5km KRNET 28 03:46:02.2:0.1, 41:22N:72:05E, h15km, mb2.3

NINC 28 03:46:03.3:3.2, 41:21N:71:98E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=30.7km s-min=15.8km az=71.0

ISC/JB 28 03:46:04.4:0.5, 41:20N:0:03:72:08E:0.04, h10km, Error ellipse: s-maj=4.6km s-min=4.2km az=164.9

ISC 28 03:46:03.3:0.8, 41:18N:0:03:71:97E:0.03, h10km, n19, s=196/35, 15C-6D, Kyrgyzstan

Table for Kyrgyzstan section, listing stations like ARK, ARSB, etc.

ISC 28 02:55:16.6:2.4, 23:30S:115:39W, h0km, mb3.6/2, mb1 4.1/2, mb1mx3.6/31, mbtmp3.6/2, Error ellipse: s-maj=147.1km s-min=69.2km az=83.0, Southern East Pacific Rise

Table for Southern East Pacific Rise section, listing stations like MINA ARRAY BEA, etc.

UCR 28 02:55:31.8:1.8, 8:94N:84:17W, h1km±4km, MD3.6, Off coast of Costa Rica

Table for Off coast of Costa Rica section, listing stations like DOMINICAL, LAS MERCEDES, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like CFR Carcalui, TLB Tirgusor, BIZ Bicaz, etc.

ISC/JB 28 05:13:52.0:0.8,55:8S:0.1x122.1W:0.2,h10km,mb4.2/9, MS4.6/17, Error ellipse: s-maj=19.5km s-min=16.3km

IDC 28 05:13:52.0:0.8,55:66S:122.59W,h0km,mb4.1/7, mb1.4/3.7,mb1mx4.0/2.2,mbtmp4.1/7,MS4.6/17, ms1.4/5.17,ms1mx4.5/2.0, Error ellipse: s-maj=31.8km s-min=22.4km az=156.0

NEIC 28 05:13:54.0:0.5,55:61S:122.38W,h10km,mb4.5/4, Error ellipse: s-maj=25.8km s-min=17.2km az=150.0

GCMT 28 05:13:58.4:0.2,56:17S:0.01x122.18W:0.02,h12km, MV9.1/109, Moment Tensor Solution. s65;e95; s105:c176; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=0.70z+11; Mtt=2.83z+12; Mtt=2.14z+11; Mtt=0.82z+29; Mtt=5.44z+09; Mtt=0.61z+27; Best double couple: Mtt=0.0500x10^16 Np1=0.12 000000; s85.000000; 1.174.000000; NP2=0.283.000000; s84.000000; 1.5.000000; Principal axes: T 6.4690, P1g8.0000, Azm147.0000; N -0.8390, P1g82.0000, Azm333.0000; P -5.6370, P1g1.0000, Azm237.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 28 05:13:54.3:0.6,55:8S:0.1x122.3W:0.1,h10km,n61, s193z/42,mb4.3/9,MS4.7/17,1D,Southern East Pacific Rise

Main table for station 1367, listing station names, coordinates, and operational status. Includes stations like PMSA Palmer Station, USHA Ushuaia, RPN Rapa Nui, VVND Vanda, etc.

Table for station 1502 DEC, listing station names, coordinates, and operational status. Includes stations like MOTA Moosalm, WATA Walderalm, ABTA Abtaltersbach, etc.

IDC 28 05:14:57.6:3.4,30:37S-138:37E,h0km,mb1.3/0.3, mb1mx3.0/4.7,mbtmp2.7/3,ML2.8/3, Error ellipse: s-maj=75.9km s-min=15.2km az=43.0,South Australia

Table for station 1502 DEC, listing station names, coordinates, and operational status. Includes stations like STKA Stephens Creek, STKA Abtaltersbach, STKA Myka, etc.

BUI 28 05:21:07.1:0.4,6N:125:97E,h19km,mb4.7/41,mb5.1/26, MS4.8/16,MS7.4/6/11

ISC/JB 28 05:21:09.5:0.2,0:57N:0:02x126:20E:0:02,h44km, mb4.7/81,MS4.1/14, Error ellipse: s-maj=3.6km s-min=3.3km az=14.5

IDC 28 05:21:09.8:3.3,0:48N:126:04E,h32km,mb2.4/22, mb1.4/3.23,mb1mx4.2/4.0,mbtmp4.4/23,ML3.3/1,MS3.9/7, MS1.3/9.7,ms1mx3.5/3.4, Error ellipse: s-maj=20.6km s-min=8.7km az=65.0

DJA 28 05:21:10.6:0.2,1N:2:21E, h46km,3km, M4.5/47, mb5.0/12,mb4.7/47,MLV.6/16,Mw(mB)4.4/12

MOS 28 05:21:10.3:1.4,0:54N:126:19E,h51km,mb4.9/25, Error ellipse: s-maj=11.8km s-min=6.3km az=116.8

NEIC 28 05:21:11.4:0.8,0:54N:126:17E,h46km,8km,mb4.7/38, Error ellipse: s-maj=7.3km s-min=4.8km az=60.0

ISC 28 05:21:11.7:0.3,0:56N:0:04x126:20E:0:04,h44km,n208, s1567z/18,mb4.6/81,MS4.1/14,5C-7D,Northern Molucca Sea

Main table for station 1502 DEC, listing station names, coordinates, and operational status. Includes stations like TMTI Ternate, KMSI Kibinong, SANI Sanana, etc.

Table for station 28d 5h, listing station names, coordinates, and operational status. Includes stations like MAS1 Maura Aman, AS31 Alice Springs, ASAR Alice Springs, etc.

comp=Z,339m,1.0s

Main table for station 28d 5h, listing station names, coordinates, and operational status. Includes stations like CHAI Chaiyaphum, CTCTA Charters Towers, KCSI Kotoaceh, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PLE, CGL1, BRY, etc.

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

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

SJA 28 06:19:27.7±0.8, 32°02'S; 71°78'W, h40km, 99gkm, ML3.0, MW3.8

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

MAN 28 06:22:52.1, 9.75'N, 126°02'E, h23km, mb4.3, ML3.1, MS2.8, Mindanao

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

ICD 28 06:28:23.0±1.7, 6.78'N, 126°02'E, h64km, 93gkm, mb3.7/6, mb1.3/9.6, mb1mx3.4/5.1, mbtmp4.0/6, Error ellipse: s-maj=74.2km s-min=15.9km az=61.0, Mindanao

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

ICD 28 06:39:21.1, 17°85'S; 172°98'E, h0km, mb4.1/8, mb1.4/3.8, mb1mx4.0/35, mbtmp4.1/8, MS4.0/18, Ms1 4.0/18, ms1mx3.9/26, Error ellipse: s-maj=37.4km s-min=23.9km az=164.0

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

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

PGC 28 06:39:27.8±0.0, 62°36'N, 124°16'W, h10km, ML3.6/4, 186km West of Fort Simpson, Nt Nw Territories - Nunavut, Canada, Northwest Territories

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

ISCJB 28 06:40:18.5±0.8, 37°16'N, 0°04'±27°94'E, h0km, Error ellipse: s-maj=6.7km s-min=4.7km az=22.1

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

MEX 28 06:46:18.6±19.0, 24°23'N, 109°48'W, h5km, MD3.8, Gulf of California

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

ISK 28 06:53:46.6, 38°92'N, 27°07'E, h2km, ML2.5/4, ISCB 28 06:53:47.6±0.5, 38°91'N, 0°04'±27°04'E, h10km, 7km, Error ellipse: s-maj=6.0km s-min=5.6km az=168.2

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

ISCJB 28 07:17:52.8±0.3, 38°22'N, 0°02'±21°85'E, h11km, 2km, Error ellipse: s-maj=3.5km s-min=3.0km az=17.7

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

28d 8h

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

IDC 28 07:26:15.0.1.1.0.51x123.15E, h0km, mb4.0/2, mb1.8/3, mb1mx3.6/47, mbtmp4.1/3, ML4.2/1, Error ellipse: s-maj=219.4km s-min=159.1km az=49.0, Banda Sea

ISCJJB 28 07:29:59.6.2.0.36.45N.0.03.140.69E.0.06, h60km, 3km, mb3.9/8, MS3.4/1, Error ellipse: s-maj=8.2km s-min=5.2km az=21.1

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

2012 DEC

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

NMC 28 07:34:01.0.1.0.3.50.02N.78.84E, h0km, mb3.6, mpv3.3, 20C-6D, Error ellipse: s-maj=5.4km s-min=1.6km az=73.0, Suspected Mining explosion, Eastern

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUR07, KUR14, KUR06, etc.

ISCJJB 28 07:34:13.4.0.6.23.93S.0.05.66.71W.0.05, h222km, 7km, mb3.2/1, Error ellipse: s-maj=9.7km s-min=4.9km az=33.3

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

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

ISCJJB 28 08:07:13.9.0.5.38.66N.0.03.43.04E.0.03, h15km, 4km, Error ellipse: s-maj=5.6km s-min=4.4km az=1.2

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

ISCJJB 28 08:50:05.3.0.9.31.33S.0.02.64.97W.0.03, h9km, 6km, mb4.5/44, MS4.1/8, Error ellipse: s-maj=4.3km s-min=3.3km az=145.3

IDC 28 08:50:05.0.8.0.6.31.32S.65.06W, h0km, mb4.2/10, mb1.4/5.14, mb1mx4.4/25, mbtmp4.4/14, ML4.5/4, MS3.8/9, Ms1.3/8.9, ms1mx3.7/24, Error ellipse: s-maj=23.0km s-min=14.8km az=93.0

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

ISCJJB 28 08:50:05.3.1.7.31.30S.0.03.65.05W.0.03, h0km, 10km, n155.1, r173/186, mb4.6/44, MS4.0/8, 18C-15D, Cordoba Province

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

Table of astronomical observations for 1371, listing station names, coordinates, and observation details.

Table of astronomical observations for 2012 DEC, listing station names, coordinates, and observation details.

Table of astronomical observations for 28d 9h, listing station names, coordinates, and observation details.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like RIZ Raoul Island, WXZ Matakaoa Point, and WRM Warramunga Arr.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WRA Warramunga Arr, WRF Warramunga Arr, and WRM Warramunga Arr.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like YBH Yreka Blue Hor, NVAR Mina Array Bea, and RYN Ryan.

28d 10h

Table with columns: UGM, Wanaagama, 19.24 265 eP, P, 10 17 27.1 -1.3, SBUM, Sibiu, 19.84 297 eP, P, 10 17 35.2 +0.5, CTA, Charters Tower, 20.72 132 P, P, 10 17 45.7 +1.5, etc.

ISCJB 28 10:21:37.2-0.3, 28.95N, 0.03:107.00E, 0.04, h10km, mb4.0/21, MS3.4/1, Error ellipse: s-maj=5.6km s-min=4.7km az=162.1

NEIC 28 10:21:38.0-0.4, 28.89N, 106.92E, h10km, mb4.2/1, ML3.8(BJJ), Error ellipse: s-maj=10.2km s-min=8.2km az=82.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, GYA, Guiyang, 2.51 186 P, Pn, 10 22 22.5 +1.4, etc.

2012 DEC

Table with columns: WMQ, Urumqi, 21.39 319 eP, P, 10 26 29.8 +1.8, USRK, Ussuriysk Ar., 25.07 46 P, P, 10 27 03.0 -1.7, etc.

NNC 28 10:25:33.6-6.5, 36.45N-69.28E, h156km, 130km, mb2.7, mp3.6, 5C-2D, Error ellipse: s-maj=61.0km s-min=48.7km az=1.0, Hindu Kush region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, SFK, Sufi-Kurgan, 4.87 42 Op, P, 10 26 44.9 -0.6, etc.

WEL 28 10:35:43.0-1.5, 30.0S, 8.17W, h33km, ML5.8/2, BUJ 28 10:35:44.0, 29.70S: 176.30W, h6km, mb5.4/36, mb5.8/18

IDC 28 10:35:45.0-0.4, 29.21S: 176.27W, h0km, mb5.0/5, mb1.5/1.8, mb1mx5.0/2.8, mbtmp.4/9.18, MS4.7/30, mb1.4/7.30, mb1mx4.7/37, Error ellipse: s-maj=17.3km s-min=16.1km az=132.0

NEIC 28 10:35:45.0-0.1, 29.60S: 176.25W, h10km, mb5.1/183, Error ellipse: s-maj=4.4km s-min=2.3km az=136.0

MOS 28 10:35:49.7-1.2, 29.50S: 176.24W, h45km, mb5.2/53, MS4.9/6, Error ellipse: s-maj=10.3km s-min=9.0km az=39.9

GCMT 28 10:35:51.0-0.1, 29.25S: 0.01: 175.92W, 0.01, h12km, MW5.3/117, Moment Tensor Solution, s72.c109: s117.c211; Duration: 1s1 Moment tensor: Scale 10^17 Nm; Mw=1.15z.01; M0=0.20z.01; M0=0.95z.01; Mw=0.14z.05; M0=0.19z.01; Mw=0.32z.04; Best double couple: Mo1.12800z.017; NP1.0z.16.00000z.0; s54.00000z.0; lambda-87.00000z.0; NP2.0z.191.00000z.0; s36.00000z.0; lambda-94.00000z.0; Principal axes: T 1.0490, Plg9.0000z.0, Azm104.0000z.0; N 0.1580, Plg3.0000z.0; Azm194.0000z.0; P -1.2060, Plg81.0000z.0; Azm300.0000z.0; nst1 refers to body waves, cutoff=40s; nst2 refers to surface waves, cutoff=50s; Triangular corner-rate function

ISC 28 10:35:48.5-0.2, 29.62S: 0.04: 176.17W, 0.04, h28km, h780, r159/799, mb5.2/25, MS4.8/33, 32C-21D, Kermadec Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, GLKZ, Green Lake, 1.57 283 P, P, 10 36 16.0 -0.9, RAO, Raoul Island, 1.57 283 P, P, 10 36 16.0 -0.9, etc.

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Table with columns: MWZ, Matawai, 10.14 209 P, Pn, 10 38 10.1 -2.2, MWZ, Matawai, 10.14 209 P, Pn, 10 38 09.9 -2.5, etc.

2012 DEC

Table with columns: STKA, Stephens Creek, 36.20 256 P, 10 42 50.3 +1.3, etc. Includes various station identifiers and coordinates.

Table with columns: BNSI, Bone, 65.05 280 P, 10 46 26.4 -0.3, etc. Includes various station identifiers and coordinates.

Table with columns: KS15, Wunju Array Si, 84.81 319 eP, 10 48 19.4 -0.9, etc. Includes various station identifiers and coordinates.

28d 10h

28d 10h

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like ZAIG Zacatecas, 319A Douglas, MOD Modoc Plateau, etc.

2012 DEC

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like E08A Dider Farm, S08A San Rafael Sve, C06D Leavenworth, etc.

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Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like CMAR, YPP Pitchstone Pla, CAST Castle Rocks, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANMO Albuquerque, ECSD EROS Data Cent, EYMN Ely, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like N54A Moraine State, T50A Nancy, 244A Avery Jackson, etc.

NORS 28 13:18:37.0-4.0, 42.74N-43.95E, h13km, MPVA3.4
ISCJB 28 13:18:38.2-0.7, 42.82N-0.03-43.97E, h12km, 6km,
Error ellipse: s-maj=5.5km s-min=4.1km az=174.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZEI Tsey, LACR Lac, DIGR Digorsko uzhe, etc.

IDC 28 13:19:59.1-1.8, 13.49N-91.57W, h0km, mb3.6/4,
mb1.3/9.7, mb1mx3.6/36, mbtmp3.6/7, ML3.6/3, Error
ellipse: s-maj=44.3km s-min=24.3km az=29.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like APG El Apazote, CMIG Matias Romero, etc.

IDC 28 13:22:23.6-1.9, 0.64N-125.45E, h0km, mb3.3/3,
mb1.3/6.3, mb1mx3.3/36, mbtmp3.4/3, Error ellipse:
s-maj=185.9km s-min=24.4km az=64.0, Northern
Molucca Sea

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

0.2nm, 0.5s, baz=136, slow=5.2, SNR=4.2
ISCJB 28 13:27:34.2-0.2, 13.89N-0.03-91.46W, 0.02, h10km,
mb4.6/145, MS4.0/9, Error ellipse: s-maj=4.0km
s-min=2.2km az=26.0
UCR 28 13:27:35.5-1.4, 14.02N-91.69W, h57km, 151km, ML4.2,
mb4.6(NEXC)
IDC 28 13:27:36.7-4.8, 13.70N-91.27W, h33km, 32km, mb4.2/19,
mb1.4/4.2, mb1mx4.2/44, mbtmp4.4/20, ML4.9/1, MS3.7/8,
Ms1.3/8.8, ms1mx3.4/37, Error ellipse: s-maj=27.7km
s-min=14.2km az=38.0
MEX 28 13:27:37.3-0.6, 13.64N-91.84W, h4km, MD4.4
NEIC 28 13:27:40.9-0.5, 13.78N-91.30W, h60km, 4km, mb4.6/158,
MD4.4(MEX), Error ellipse: s-maj=5.1km s-min=3.2km
az=223.0
ISC 28 13:27:35.4-0.5, 13.74N-0.06-91.59W, 0.05, h10km, n534,
c154/423, mb4.7/147, MS3.8/9, 1C, Near coast of
Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like THIG, APG, RTR, SBL, SNJE, BOOS, SNET, LFLU, LFRS, LBR, PCIG, etc.

comp=Z, 2.2nm, 1.1s
comp=Z, 4.4nm, 0.3s, baz=126, slow=11, SNR=6.4
comp=Z, 2.4nm, 0.3s, baz=103, slow=13, SNR=6.8

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

comp=N, 20nm, 1.0s
comp=N, 15nm, 0.8s
comp=N, 7.8nm, 1.0s

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like 833A, 833A, 957A, 958A, 857A, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like 556A Lake Butler, JCT Junction City, 351A Pinckard, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like W41B Gary Mavity, PLAL Pickwick Lake, W42A Bald Knob, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like S44A Carbondale, T50A Nancy, SIUC Southern Illinois, etc.

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Table with columns: ID, Name, Az, El, Dist, Type, Status, Az, El, Dist, Type, Status. Rows include K40A Colesburg, K39A Delwein, PDMCI Parker Dam, etc.

2012 DEC

Table with columns: ID, Name, Az, El, Dist, Type, Status, Az, El, Dist, Type, Status. Rows include RLMT Red Lodge, RLMT Red Lodge, E54A Lac Laplat, etc.

28d 13h

Table with columns: ID, Name, Az, El, Dist, Type, Status, Az, El, Dist, Type, Status. Rows include WKR Wood River Hill, POKR Poker Flat Res, MCK McKinley, etc.

ISC JB 28 13:27:48.8 0.5, 4.57S, 0.03s, 35.92E, h10km, mb3.7/5, MS3.1/2, Error ellipse: s-maj=9.0km s-min=4.8km az=173.8

ISC JB 28 13:27:49.0 1.2, 4.57S, 35.87E, h0km, mb3.8/5, mb1.4/0.8, mb1mx3.7/4.0, mbtmp3.9/8, ML4.3/4, MS3.2/3, Ms1 3.2/3, ms1mx2.9/3.1, Error ellipse: s-maj=37.0km s-min=18.3km az=109.0

ISC 28 13:27:48.8 0.7, 4.61S, 0.04s, 35.91E, h10km, n14, z=28/18, mb3.9/5, Tanzania

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res. Rows include KOND Kondoo, KOND Kondoo, BBAT Babati, etc.

ISC JB 28 13:35:35.0 0.5, 4.057N, 0.03s, 141.43E, h10.07m, h100km, mb3.3/6, Error ellipse: s-maj=10.7km s-min=5.1km az=1.9

JMA 28 13:35:36.2 0.1, 4.075N, 141.40E, h91km, 1km, M3.0, JMA Felt J1

ISC 28 13:35:36.5 2.0, 4.054N, 141.45E, h100km, 19km, mb3.0/6, mb1 3.2/9, mb1mx3.1/4.3, mbtmp3.4/9, Error ellipse: s-maj=30.0km s-min=14.0km az=115.0

ISC 28 13:35:36.0 0.8, 4.056N, 141.41E, h92km, 6km, n19, z=95/30, mb3.3/6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res. Rows include JANG Nango, JANG Nango, JTM Tenmabayashi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JTM Hinai, JAH Ohata, JOT Iwasaki, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PET comp=Z,3um,9.0s, KRMR Karymshinskyj, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YAK comp=E,715nm,15.0s, RDOG Red Dog Mine, etc.

ADC 28 13:42:29.2,0.5,55.67N;164.80E,h0km,mb4.8/32, mb1 5.0/35,mb1mx4.9/44,mbtmp4.8/35,ML0.0/3,MS4.3/28, MS1 4.3/28,ms1mx4.2/41,Error ellipse: s-maj=13.4km s-min=9.1km az=169.5

MA2 Magadan 8.51 303ePN Pn 13 44 36.8 +1.6 MA2 Magadan 8.51 303ePN Pn 13 44 37.5 +2.3

IM3 Indian Mountain 22.25 46 eP Pn 13 47 28.3 +0.3 RSO Redoubt South 22.66 60 eP Pn 13 47 33.8 +1.2

GCMT 28 13:42:33.8,0.2,55.72N;164.79E;0.02,h29km,1km, MW5.1/105,Moment Tensor Solution, s54,68; s105,0162, Duration:0 Moment tensor: Scale 1016Nm; M=2.98e17; Mw=4.56e13; Mw2.58e11; Mw6.6e21; Mw=2.90e11; Mw=1.64e19; Best double couple: Ms5.16500x1016 Np1.191.00000,868.00000, lambda.155.00000, NP2:phi=210.00000,delta7.00000,lambda.24.00000

ATKA TYV Tyrnovskoe 12.82 97 eP Pn 13 45 33.9 -0.2 TYV Tyrnovskoe 14.08 259 eP Pn 13 45 57.9 -0.6

OHAK Old Harbor 22.96 69 eP Pn 13 47 34.1 -1.5 SKAT Kodiak Island 23.10 56 eP Pn 13 47 38.0 +1.0

NEIC 28 13:42:34.8,0.1,55.71N;164.72E,h35km,mb5.5/283 Error ellipse: s-maj=3km s-min=2km az=169.0

GAMB GAMBell 14.31 46 eP Pn 13 45 54.4 +1.1 KUR Kuril'sk 14.96 233 eS Pn 13 48 03.4 +0.2

SEW Seward 24.34 61 eP Pn 13 47 48.0 -0.6 GHG Glory Hole 24.35 56 eP Pn 13 47 49.0 +0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KBT Krutoberegovo, MKZ Mys Kozlova, SMKR Semkarok, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUR comp=Z,30nm,0.3s, KUR comp=E,59nm,0.5s, KUR comp=N,30nm,0.4s, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RDOG Red Dog Mine, SDPT comp=E,59nm,1.0s, ERM Ermo, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AHID, PAGB, PDGK, ARU, TIN, OTUK, BGU, SPUT, SMCC, PRGR, VES, R11A, GRAC, CWC, BW06, PD31, PDAR, KMI, FRB, DUG, DUG, DUG, PKM, CTU, ISA, DAC, DAC, ARVC, SBC, JLU, MPMC, TPNV, FURC, NLU, PSUT, LRMC, SFJD, SFJD, SFJD, SFJD, OSI, OSI, QIZ, QIZ, QIZ, QIZ, BLG, ULM, ULM, ULM, ULM, EDW2, MDND, SHDC, DECC, GSC, GSC, GSC, GSC, K22A, K22A, TMUT.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MSU, TKM2, RRR, P17A, CCUT, RSSD, RSSD, RSSD, BFSC, SZCU, FMP, TUQ, Q16A, RWWV, USP, MTPU, CIS, CHMS, SRU, HEC, KLMR, KLMR, BBRO, KBK, FRU, PKCU, KNB, KNB, AAK, AAK, KZA, GMRC, MURC, O20A, O20A, AGMN, AGMN, LDFO, UCH, EK2S, BELC, PFO, PFO, XPFO, NEE2, 109C, PHWY, N23A, N23A, AML, IRM, PV09, PV23, PV10, PV14, BC3, PV20, MONP2, PV19, BAR, PV16, PV11, PV12, PV03, PV13, PV02, MOKO, MOKO, SWSC, IKP, Y12C, Y12C, SMCO, KSH, KSH, KSH, KSH, KSH, KSH.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSH, KSH, KSH, SUSD, KK31, KK31, KKAR, KKAR, ISCO, ISCO, TAWA, TAWA, GLA, GLA, GLA, GLA, BKAR, BKAR, WUAZ, WUAZ, KOHI, KOHI, MVCO, MVCO, EYMN, EYMN, FINES, FINES, SFK, SFK, Q24A, Q24A, S22A, S22A, X16A, X16A, IMP, NONG, W18A, W18A, ECSD, ECSD, SDCO, SDCO, SDCO, SDCO, SHL, SKNT, SUIR, F37A, F38A, 214A, SPMN, SPMN, KSCO, KSCO, GTK, GTK, E39A, F39A, BGNE, BGNE, D41A, D41A, G38A, T25A, T25A, F40A, H38A, G39A, LAMP, E41A, MOS, MOS, MOS, TUC, TUC, TUC, UTTA, CMMT, CHTO, CHTO, CHTO, ANMO, ANMO, ANMO, ANMO, GUN, G40A, G40A, JIRN.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like Jackson Lee, Piedmont, Mineral, Lakeview Retre, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like HERR Merculane, PERS Percine, WATA Walderalm, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like MAW Mawson, GSPA South Pole Qui, UG09 Cerro Castillon, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CFA, ROCE, PCL, FCH, etc.

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

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

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Table with columns: ZIRO, DMN, LKP, KKN, GUN, KOLN, KMI, KYM, KMI, KMI, PYUN, DANN, LSA, DDI, DDI, SMLA, SMLA, CD2, CD2, DHRM, ENH, LZH, LZH, LZH, LZH, WSAR, XAN, XAN, XAN, GTA, GTA, GTA, KSH, KSH, KSH, KSH, NJ2, NJ2, NRN, WMQ, WMQ, AAK, H01W3, H01W2, H01W1, HHC, HHC, HHC, HHC, HHC, BJT, BJI, BJI, MK01, MK31, MKAR, MKAR, GEYT, SONM, SONM, SONA1, ULN, WRA, WRAB, WB2, KURK, ASAR, KSRS, ZAAO, ZALV, ZALV, ZALV, USRK, MJAR, MJAR, STKA, BRTR, IDI, KLMR, KLMR, ASAG, Muntele Rosu, MLR, PETK

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Table with columns: FINES, GEA0, GERCES, ARCES, NOA, TORO, TX31, TXAR, IDC 28 15:22:51.9,6,62S,128.84E, WRA, WRA, ASAR, ASAR, MKAR, NNC 28 15:32:07.9,3.2,43.93N,83.76E, SOME 28 15:32:13.6,44.08N,83.62E, IDC 28 15:32:07.8,3.6,43.93N,83.76E, KTMS, KTMS, DJR, DJR, MK31, PDGK, PDGK, MAZK, MAZK, KAPS, KAPS, UZB, UZB, ZSN, ZSN, MNBS, MNBS, TDK, TDK, MDOK, KURB, KURB, KURK, KURK, IDC 28 15:42:22.0,0.6,50.22N,104.19E, WAR 28 15:42:21.1,50.09N,19.15E, PRU 28 15:42:23.7,0.0,50.21N,19.23E, IDC 28 15:42:23.4,0.8,50.14N,19.29E, Code, OJC, OJC, OJC, NIE, NIE, NIE, LANS, LANS, MORC, MORC, KOLL, KOLL, VYHS, VYHS, VYHS, DPC, DPC, VRAC, VRAC, KSP, KSP, KSP, UPIC, UPIC, KURC, KURC, PRU, BRG, BRG, KHC, KHC, IDC 28 15:50:58.4,4.7,23.89N,109.11W, mb1 3.9/6, mb1mx3.7/34, mbtmpt3.5/6, ML3.6/4, Error ellipse: s-maj=77.2km s-min=19.9km az=153.0, IDC 28 15:51:02.8,1.3,24.29N,109.47W, MEX 28 15:51:07.8,10.0,24.29N,109.42W, Code, SLBS, SLBS, LPIG, LPIG, LPIG, LPIG, TXAR, TXAR, TXAR, NVAR

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Table with columns: ELK, PDAR, YKA, ILAR, ISCJB 28 15:54:46.7,2.2,3.2S,0.1,141.3E,0.3, h23km, mb3.5/4, Error ellipse: s-maj=41.9km s-min=13.5km az=169.1, IDC 28 15:54:46.1,2.1,3.18S,141.21E, h0km, mb3.5/4, mb1 4.0/6, mb1mx3.7/26, mbtmpt3.8/6, ML3.9/2, Error ellipse: s-maj=43.3km s-min=11.3km az=69.0, IDC 28 15:54:49.1,2.6,3.15S,0.1,141.2E,0.3, h23km, n7, c1928/7, Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC, JAY, JAY, WRA, WRA, BATI, FITZ, ASAR, CMAR, MKAR, IDC 28 15:55:21.5,10.0,11.27S,166.02E, h124km, n102km, mb3.4/7, mb1 3.7/8, mb1mx3.5/30, mbtmpt3.8/30, ML3.9/1, MS3.4/4, Mst 3.4/4, ms1mx3.1/15, Error ellipse: s-maj=69.5km s-min=23.5km az=166.0, IDC 28 15:55:12.0,0.9,11.0S,0.1,166.2E,0.2, h35km, n14, c238/10, mb3.8/9, Santa Cruz Islands, Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC, HNR, DZM, DZM, DZM, CTA, STKA, WRA, ASAR, FITZ, PPT, CMAR, ILAR, NVAR, MKAR, YKA, ARCES, IDC 28 16:00:35.0,3.0,6.24S,99N,0.05,95.04E,0.07, h104km, mb3.3/3, Error ellipse: s-maj=10.2km s-min=5.4km az=151.8, NDI 28 16:00:36.1,2.7,25.00N,95.03E, h20km, ML2.7, IDC 28 16:00:38.2,3.8,24.96N,95.34E, h109km, mb2.9/3, mb1 3.1/4, mb1mx2.9/39, mbtmpt3.3/4, Error ellipse: s-maj=92.5km s-min=20.7km az=60.0, IDC 28 16:00:36.7,1.0,25.01N,0.06,95.00E,0.10, h104km, n12, c1923/16, mb3.4/3, Myanmar-India border region, Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC, KOHI, KOHI, KOHI, MOKO, MOKO, MOKO, MOKO, TEZP, TEZP, ZIRO, SHL, SAIH, SAIH, SAIH, CHMT, CHMT, CMAT, CMAT, CMAR, MKAR, WRA, ASAR, DDA 28 16:03:00.1,42.16N,41.03E, h8km, Md2.7, IDC 28 16:02:58.2,3.3,42.34N,0.07,41.0E,0.1, h14km, n16km, n10, c958/16, Western Caucasus, Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC, BATM, BATM, BCA, DBOC, ARTV, ARTV, DBAD, DAGI, DAGI, EPOS, EPOS, DDEM, ONI, KIV, NIED 28 16:11:00.38,30N,143.80E, h8km, Mw4.3 Best double couple: M3.43000,1015 NP1.9550000, 825.00000, lambda-107.00000, NP2.99191.00000, 672.00000, lambda-107.00000, IDC 28 16:11:20.6,0.6,38.13N,143.90E, h0km, mb4.1/18, mb1 4.3/23, mb1mx4.2/43, mbtmpt4.1/23, ML4.2/4, MS3.5/10, Mst 1.35/10, ms1mx3.2/51, Error ellipse: s-maj=17.0km s-min=13.3km az=134.0, BUI 28 16:11:22.5,38.33N,143.76E, h14km, mb4.6/58, mb4.9/36,

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like JMA, MOS, NEIC, ISC, Honshu, JIKH, OFUJ, etc.

Table with columns: YAK, comp=Z, 8.0nm, 0.9s, pmax, pmax. Includes stations like YAK, YAK, YAK, YAK, YAK, etc.

Table with columns: INK, SVE, ARU, WRAB, WRAB, WB2, WRA, YKA, ASO1, ASAR, FINES, FFC, KIV, KBZ, NV01, NVAR, NOA, NOA, NOA, NOA, AKASG, PDAR, PDMR, CLL, ANMO, TXAR, PB11, Code, Station Name, Δ°, AZ°, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like INK, SVE, ARU, WRAB, WB2, WRA, YKA, ASO1, ASAR, FINES, FFC, KIV, KBZ, NV01, NVAR, NOA, AKASG, PDAR, PDMR, CLL, ANMO, TXAR, PB11, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like COIG Mesas, VCR Vista de Mar, JTS JuntasAbangare, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like Y44A Strider, Charl, Y42A Garnett, Star, Y49A Blount Mountain, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like T43A Greenville, MNTX Cornudas Mount, MNTX Cornudas Mount, etc.

S22A	4UR Ranch, Cre	28.71 330	P	P	16 29 31.3 +1.9
L50A	Kingsville	28.74 10	P	P	16 29 28.3 -0.9
K41A	Shullsburg	28.82 358	P	P	16 29 30.4 +0.6
M54A	Oil Creek Stat	28.87 15	P	P	16 29 30.6 +0.2
K40A	Colwell	28.95 357	P	P	16 29 31.1 +0.1
K39A	Olwein	29.00 356	P	P	16 29 29.9 -1.5
K47A	Vermontville	29.07 6	P	P	16 29 30.2 -1.9
MVCO	Mesa Verde	29.16 327	P	P	16 29 33.3 0.0
K48A	Perry	29.30 7	P	P	16 29 33.0 -1.1
N59A	State Game Lan	29.47 21	P	P	16 29 34.0 -1.8
J42A	Columbus	29.50 360	P	P	16 29 35.4 -0.5
J41A	Loganville	29.57 359	P	P	16 29 36.0 -0.5
J39A	Decorah	29.61 356	P	P	16 29 36.0 -0.9
ISCO	Idaho Springs	29.81 334	P	P	16 29 39.0 0.0
J49A	Marlette	29.98 9	P	P	16 29 38.7 -1.4
I42A	Draeger Farm,	30.08 0	P	P	16 29 39.7 -1.3
I43A	Langenfeld Bro	30.08 1	P	P	16 29 41.0 0.0
I39A	Houston	30.12 356	P	P	16 29 40.9 -0.4
VP12	Sauce Basin,	30.15 328	eP	P	16 29 44.4 +2.4
PAL	Palisades	30.23 23	P	P	16 29 41.9 -0.4
K55A	Perry	30.42 16	P	P	16 29 44.0 -0.1
BINY	Binghamton	30.55 19	P	P	16 29 44.5 -0.7
I51A	Listowel	30.77 11	P	P	16 29 46.1 -1.0
J54A	Appleton	30.79 15	P	P	16 29 46.4 -0.8
H40A	Chill	30.83 358	P	P	16 29 47.1 -0.5
N23A	Red Feather La	30.86 335	P	P	16 29 49.1 +0.9
H38A	Maiden Rock	30.99 355	P	P	16 29 48.8 -0.2
I52A	Shelburne	31.19 12	P	P	16 29 50.5 -0.3
O20A	White River Ci	31.27 331	P	P	16 29 53.8 +2.0
G45A	Suttons Bay	31.36 5	P	P	16 29 51.4 -0.8
G42A	Mountain	31.43 1	P	P	16 29 50.8 -2.0
G38A	Ridgeand	31.45 356	P	P	16 29 52.3 -0.7
G43A	Wallace	31.46 2	P	P	16 29 52.1 -1.0
G40A	Rib Lake	31.47 358	P	P	16 29 53.7 +0.5
G39A	Holcombe	31.53 357	P	P	16 29 53.4 -0.3
SPMN	Marine on St.	31.58 355	P	P	16 29 53.8 -0.3
I52A	Wyeale	31.80 12	P	P	16 29 55.8 -0.2
H55A	Frankford	31.91 16	P	P	16 29 56.7 -0.3
F43A	Flat Rock, Esc	32.06 2	P	P	16 29 57.2 -1.0
F37A	Hinrichs Farm,	32.06 355	P	P	16 29 58.6 +0.3
F40A	Park Falls	32.12 359	P	P	16 29 58.9 0.0
F39A	Loretta	32.14 358	P	P	16 29 58.1 -1.0
F44A	Big Bay de Noc	32.23 3	P	P	16 29 59.3 -0.6
F38A	Pierce - Schro	32.24 356	P	P	16 29 59.4 -0.5
F48A	Evansville	32.47 8	P	P	16 29 60.0 -1.9
F49A	Sandfield	32.49 9	P	P	16 29 60.9 -1.2
G53A	Haliburton	32.53 14	P	P	16 29 61.7 -0.8
E39A	Mellen	32.59 358	P	P	16 29 62.6 -0.3
E43A	Lone Tree Farm	32.61 3	P	P	16 29 62.0 -1.1
E40A	Wakfield	32.64 359	P	P	16 29 63.9 +0.5
H56A	Elgin	32.65 17	P	P	16 29 63.2 -1.4
E38A	The Farm, Brul	32.86 357	P	P	16 29 64.6 -0.7
R5SD	Black Hills	32.92 340	P	P	16 29 67.1 +0.9
E47A	Iron Bridge	33.00 7	P	P	16 29 65.8 -0.7
G51A	Catalabie	33.13 16	P	P	16 29 67.0 -0.6
E48A	Lockeyer	33.17 9	P	P	16 29 67.3 -0.7
E51A	C1948 Merrick	33.69 12	P	P	16 29 61.7 -0.8
SNCC	San Nicolas Is	33.88 310	P	P	16 29 64.6 +0.2
D48A	Paudyal Townsh	33.90 9	P	P	16 29 61.3 -1.2
BW06	Boulder Arch	33.95 332	eP	P	16 29 61.4 -3.7
PDAR	Pinedale Array	33.95 332	P	P	16 29 62.1 +1.1
PDAR	Pinedale Array	33.95 332	eP	P	16 29 61.6 +0.5
D49A	Beulah Townsh	34.07 9	P	P	16 29 64.5 -1.2
E54A	Lac Daplat, Po	34.11 15	P	P	16 29 65.0 -1.1
EYMN	Ely	34.20 357	P	P	16 29 65.8 -1.0
D52A	ZEK Kipawa Sen	34.34 13	P	P	16 29 67.7 -0.3
AGMN	Agassiz Nation	34.35 352	P	P	16 29 62.8 -0.5
REDW	Red Top Meadow	35.01 332	eP	P	16 29 62.6 +2.0
MDND	Maddock	35.16 348	P	P	16 29 62.5 +0.1
RLMT	Red Lodge	35.72 335	P	P	16 29 63.0 +0.1
RLMT	Red Lodge	35.72 335	eP	P	16 29 63.1 -1.9
NVAR	Mina Array	36.75 319	P	P	16 29 62.4 +1.8
NVAR	comp=N,0.5m,0.6s,baz=131,slow=7.3,SNR=5				16 29 24.6 +0.7
LPAZ	Lac Paz	36.25 145	P	P	16 29 36.9 +1.4
ULM	Lac du Bonnet	36.87 353	P	P	16 29 38.9 -0.6
ULM	comp=N,0.7m,0.5s,baz=168,slow=8.7,SNR=19				16 29 37.5 -2.1
DGMT	Dagmar	36.87 343	eP	P	16 29 39.4 -0.2
DGMT	Dagmar	36.87 343	P	P	16 29 40.3 +0.6
HLID	Hailey	36.88 329	P	P	16 29 40.1 +0.1
MCMT	McKenzie Canyo	37.05 331	eP	P	16 29 44.1 +2.6
BOZ	Bozenan (W)	37.10 333	eP	P	16 29 43.6 +1.8
BOZ	Bozenan (W)	37.10 333	P	P	16 29 43.3 +1.5
EGMT	Eagleton	38.31 337	eP	P	16 29 52.5 +0.6
EGMT	Eagleton	38.31 337	P	P	16 29 52.9 +1.1
M50	Missoula	39.07 333	P	P	16 29 59.5 +1.3

I04A	Tendick Farm,	41.41 323	P	P	16 31 17.8 +0.4
SCHO	Schefferville	44.54 18	P	P	16 31 40.8 -1.5
CPUP	Will Florida	50.34 142	P	P	16 32 26.8 -0.5
YKA	Yellowknife Ar	52.01 345	P	P	16 32 39.4 +0.1
YKBS	Yellowknife Ar	52.01 345	eP	P	16 32 39.0 -0.3
YKWS	Yellowknife Ar	52.07 345	eP	P	16 32 39.9 +0.2
HDA	Harding Lake	64.14 336	P	P	16 34 02.6 -0.9
ILAR	Eleonora Array	64.26 336	P	P	16 34 04.0 -0.3
ILAR	comp=N,1.0m,0.6s,baz=172,slow=5.1,SNR=21				16 34 46.4 +0.3
POKR	Poker Plat Res	64.61 336	P	P	16 34 05.7 -0.9
ESDC	Sonsec Array	77.62 52	P	P	16 35 23.0 -2.3
CLL	Collm	86.77 38	eP	P	16 36 14.0 +1.5
GERES	GERES Array B	87.97 40	eP	P	16 36 16.2 -2.2
HHC	Hu-ho-hao-te	122.47 342	eP	PKPdf	16 42 17.3 -5.8
WMQ	Ururugi	122.67 3	eP	PKPdf	16 42 24.0 +0.7
NJ2	Nanjing	127.24 330	pmxax	PKPdf	16 42 33.0 +0.7
LZH	Lanzhou	129.00 347	ePKP	PKPdf	16 42 38.5 +2.7
CD2	Chengdu	133.97 345	PKP	PKPdf	16 43 38.5 -1.7
WRA	Warrungga Arr	138.13 255	PKP	PKPdf	16 42 52.6 -0.5
ASAR	Alice Springs	138.25 50	ePKP	PKPpre	16 42 45.5
ASAR	comp=N,0.9m,0.5s,baz=102,slow=3.8,SNR=6.6				16 42 52.1 -1.2
ASAR	comp=N,2.1m,0.8s,baz=110,slow=3.8,SNR=13				16 46 12.2 +1.1
FITZ	Fitzroy Cross	146.42 258	PKP	PKPab	16 43 10.2 -0.4
CMAR	Chiang Mai Ar	147.09 346	PKP	PKPdf	16 43 10.1 +1.1
CMAR	comp=N,2.0m,0.3s,baz=328,slow=2.6,SNR=4.2				16 43 58.8 +0.3
CMAR	comp=N,1.0m,0.7s,baz=349,slow=3.0,SNR=9.9				

DDA 28 16:38:21.5, 37:51N:38:83E, h7km, M12.6
 ISK 28 16:38:21.7, 37:51N:38:85E, h6km, ML 1.7/6
 ISC 28 16:38:21.7, 1.0, 37:51N:0:03:38:84E:0:03, h8km, 8km,

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
URFA	Urfa	0.07	189	Op	16 38 23.5	-0.3
URFA	URFA			PG	16 38 25.4	+0.1
SANL	SANLIURFA_Merk	0.36	160	IP	16 38 29.1	+0.3
SANL	SANL			SB	16 38 29.1	+0.3
SURC	SANLIURFA_SURC	0.66	196	IP	16 38 34.3	-0.1
SURC	SURC			SB	16 38 44.1	-0.6
GZT	Gaziantep	1.02	282	IP	16 38 41.2	+0.2
GZT	GZT			SB	16 38 55.7	+0.3
AKCD	Akadadeg	1.06	318	IP	16 38 44.1	+1.1
AKCD	AKCD			SB	16 38 57.4	+0.7
DYBB	Diyarbakir	1.12	66	PN	16 38 43.6	+0.1
MAZI	Mazidag	1.28	92	PN	16 38 46.2	0.0
GAZ	Gaziantep	1.34	256	PN	16 38 47.5	+0.1
PTK	Pertek	1.45	17	PN	16 38 49.0	0.0
DARE	Darende-Malaty	1.50	315	PN	16 38 49.9	0.0
HANI	Diyarbakir_Han	1.53	53	IP	16 38 50.9	-0.2
KMRS	Kahramanmaras	1.54	270	IP	16 39 11.8	+0.9
KUZU	Kuzuni	1.59	243	IP	16 38 51.3	-0.1
KUZU	KUZU			SB	16 39 13.6	+0.9

INDC 28 16:50:47.5, 1.7, 39:15S:176:75E, h110km, 8km, mb3.1/2, mb1.3/3, mb1tm3.3/28, mbtm3.7/3, Error ellipse: s-maj=4.5km s-min=14.4km az=123.0
 ISCJB 28 16:50:49.0, 0.3, 38:71S:0:02:176:14E:0:03, h122km, 3km, mb3.5/2, Error ellipse: s-maj=4.5km s-min=3.3km az=16.4
 WEL 28 16:50:51.5, 38:65S:0:9:17:6E, h106km, 2km
 ISC 28 16:50:49.0, 0.3, 38:72S:0:03:176:14E:0:04, h121km, 5km, n151, s140/162, North Island

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
WHTZ	Whakaora	0.15	292	P	16 51 06.8	+0.3
HATZ	Hinemaiaia	0.17	191	P	16 51 06.6	+0.1
WPRZ	Whakapapatarin	0.20	6	P	16 51 06.3	-0.3
ALRZ	Allen Road	0.23	45	P	16 51 06.2	-0.4
ALRZ	ALRZ			S	16 51 17.9	+1.5
MRHZ	Matea Rd	0.25	117	P	16 51 06.7	0.0
MRHZ	MRHZ			S	16 51 17.8	-1.8
PRRZ	Plateau Road	0.30	42	P	16 51 06.5	-0.4
PRRZ	PRRZ			S	16 51 18.0	-1.7
WATZ	Wairara	0.32	273	P	16 51 07.2	+0.3
RAHZ	Rangitukua	0.32	243	P	16 51 07.9	+1.2
RITZ	Rihia Road	0.33	220	P	16 51 07.9	+0.9
KUTZ	Kaahu Road	0.34	314	P	16 51 07.1	+0.1
HRRZ	Handcock Road	0.35	19	P	16 51 06.9	-0.3
GRRZ	Galatos Road	0.37	357	P	16 51 07.2	-0.1
HSRZ	Hossack Road	0.42	12	S	16 51 07.2	-0.2
HSRZ	HSRZ			S	16 51 08.1	+1.0
KATZ	Kakaramea	0.43	234	P	16 51 08.2	+0.6
RRRZ	Republican Roa	0.49	38	P	16 51 07.4	-0.4
HLRZ	Highlands Stat	0.50	20	P	16 51 08.1	+0.2
BKZ	Black Stump Fm	0.52	148	P	16 51 08.7	+0.7
KRVZ	Kawarera	0.50	224	P	16 51 07.9	+0.9
UTU	Utuhina	0.55	5	P	16 51 08.1	-0.1
MUGZ	Murupara	0.56	64	P	16 51 07.7	-0.5
MTHZ	Maungataniwha	0.57	103	P	16 51 08.7	+0.4
TARZ	Mout Tarawera	0.57	31	P	16 51 08.0	-0.4
WTVZ	West Tongariro	0.58	227	P	16 51 09.4	+0.9
TLZ	Tolley Road	0.61	310	S	16 51 12.1	-1.2
TLZ	TLZ			S	16 51 12.1	-1.2
NGZ	Ngaruhoe	0.61	222	P	16 51 09.8	+1.0
MKRZ	Makaiti	0.64	24	P	16 51 09.1	+0.2
NMHZ	Naumai	0.64	126	P	16 51 10.3	+1.4
OMRZ	Omania	0.64	17	P	16 51 08.5	-0.4
HWZ	Howe	0.65	237	P	16 51 09.1	+0.9
TUVZ	Tukino	0.66	214	P	16 51 10.5	+1.4
COVZ	Chateau Observ	0.66	224	P	16 51 10.0	+0.9
RTZ	Ruatuhuna	0.67	81	P	16 51 09.1	+0.1
FWVZ	Far West T-bar	0.70	220	P	16 51 10.5	+1.0
HWVZ	Whangehu Hut	0.70	217	P	16 51 09.7	+1.2
KARZ	Kaharoa	0.71	219	P	16 51 09.0	-0.3
DRZ	Dome Shelter	0.71	219	P	16 51 11.0	+1.3
KWVZ	Kaweka Forest	0.73	212	P	16 51 10.9	+1.3
TRVZ	Turoa	0.73	168	P	16 51 11.0	+1.2
LIRZ	Lichensteins R	0.74	15	P	16 51 09.3	-0.3
TRVZ	Turoa	0.74	220	P	16 51 11.1	+1.1
BHHZ	Black Hill Sta	0.77	184	P	16 51 11.1	+1.3
RAHZ	Arahi	0.77	105	P	16 51 09.8	+1.1
EDRZ	Edgecumbe	0.78	38			

28d 17h

Table with columns: ANWZ, PKE, BFZ, BNG, etc. and rows listing station names, coordinates, and parameters.

DJA 28 17:04:35.9:0.3, 1°S, 3.12°E, h10km, M4.4/6, mb4.5/3, mb4.6/2, MLV4.3/6, Mw(MB)3.8/2, ISCJB 28 17:04:36.0:0.6, 0.71S, 0.07x123.88E:0.06, h100km, mb3.4/5, Error ellipse: s-maj=10.4km s-min=7.8km az=170.3

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

MAN 28 17:10:21.3, 10.40N, 126.65E, h0km, mb5.1, ML4.1, MS4.2, 2C-2D, Philippine Islands region

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

2012 DEC

Table with columns: KRUC, PRU, BFZ, KHC, etc. and rows listing station names, coordinates, and parameters.

DJA 28 17:18:37.8:0.3, 0°N, 2°x10°E, h10km, M3.8/5, MLV3.8/5, Northern Sumatra

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

ISC 28 17:19:38.9, 42°33'N, 41°01'E, h14km, ML3.3/4, TIF 28 17:19:39.2, 42°35'N, 40°58'E, h25km, 2km, DDA 28 17:19:39.4, 42°29'N, 41°05'E, h13km, M1/3, MOS 28 17:19:40.3, 0.0, 42°51'N, 41°06'E, h5km, MPV4.1, ISC 28 17:19:38.8, 1, 42°38'N, 40°02.98E, 0.03, h1km, 11km, n52, s160/84, mb3.6/3, 6C-3D, Black Sea

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

NEIC 28 17:22:41.7:0.0, 0.5, 2028N, 18.80E, h0km, Poland

1398

Table with columns: MJAR, MAJO, MJB9, etc. and rows listing station names, coordinates, and parameters.

DJA 28 17:24:41.3:0.4, 0°N, 3°x10°E, h10km, M3.8/5, MLV3.8/5, Northern Sumatra

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

ISCJB 28 17:17:40.2:0.17S, 0.01x122.97E:0.02, h119km, 2km, mb5.4/14, Error ellipse: s-maj=2.6km s-min=2.4km az=145.7, NEIC 28 17:17:0.0, 0.0, 35S, 122.95E, h120km, Moment Tensor Solution, s24 Moment tensor: Scale 1017Nm, Mr:1.16; Mb:1.43; Mw:0.27; Mw:1.72; Mw:0.13; Mw:0.66; Best double couple: M2:30000.1017, NP2:30106.00000, 1.49.00000, 1.05.00000, NP2:30243.00000, 822.00000, 1.49.00000, Principal axes: T 2.330, Plg6.00000, Azm17.00000; N -0.0700, Plg14.00000, Azm172.00000; P -2.3000, Plg27.00000; Azm184.00000, DDA 28 17:18.2:0.1, 0.5, 1°x12°E, h10km, 2km, M5.4/9, mb5.5/93, mb5.8/73, MLV5.9/22, Mw(MB)5.4/73, MwP5.4/93, NEIC 28 17:18.1:0.1, 0.15S, 122.92E, MW5.5, MW5.5, Error ellipse: s-maj=3.3km s-min=2.6km az=64.0, Moment Tensor Solution, s21 Moment tensor: Scale 1017Nm, Mr:1.17; Mb:0.79; Mw:0.38; Mw:1.65; Mw:0.53; Mw:0.74; Best double couple: M2:10000.1017, NP1:30116.00000, 374.00000, 1.85.00000, NP2:30120.00000, 317.00000, 1.10.00000, Principal axes: T 2.1700, Plg6.00000, Azm19.00000; N -0.0400, Plg4.00000, Azm117.00000; P -2.1300, Plg29.00000; Azm170.00000, NEIC Felt [III] at Luwuk. Also felt at Gorontalo and Kintom, IDC 28 17:18.5:0.0, 0.14S, 122.84E, h16km, 4km, mb5.1/38, Mb1.5/45, mb1mx5.1/46, mbtmp5.5/45, MS4.2/3, Mb1.4.2/23, ms1mx4.1/31 Error ellipse: s-maj=9.7km s-min=6.8km az=75.0, MOS 28 17:18.8:1.0, 0.10S, 122.89E, h130km, mb5.4/57, Error ellipse: s-maj=6.1km s-min=4.1km az=110.7, KLM 28 17:18.2:0.0, 0.18S, 123.04E, h106km, mb5.6, GCMT 28 17:18.2:0.0, 0.1, 0.16S, 0.01x122.99E:0.01, h107km, MW5.5/124, Moment Tensor Solution, s113c213, s124c243, Duration: 184 Moment tensor: Scale 1017 Nm, Mr:1.25; 0.03; Mw:1.43; 0.03; Mw:1.18; 0.02; Mw:1.52; 0.02; Mw:0.77; 0.02; Best double couple: M2:17600.1017, NP1:30109.00000, 872.00000, 1.07.00000, NP2:30245.00000, 824.00000, 1.48.00000, Principal axes: T 2.2130, Plg6.00000, Azm43.00000; N -0.0690, Plg16.00000, Azm284.00000; P -2.1390, Plg25.00000, Azm186.00000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s, Triangular moment-rate function, ISC 28 17:18.2:0.0, 0.23S, 122.89E:0.03, h111km, 1km, h11km, pP, N1197, 1970, h5.0, mb5.4/157, 64C-19D, Minahasa Peninsula, Sulawesi

LUWI	Luwuk	0.81 188	P	Pn	17 32 36.4 -0.8
MRSI	Marisa	1.18 307	P	Sn	17 32 50.3 -1.6
MRSI	MRSI	1.18 307	P	Sn	17 32 40.8 -0.2
MRSI	MRSI	1.18 307	P	Sn	17 32 57.2 -1.3
MRSI	MRSI	1.18 307	P	Sn	17 32 43.0 +0.1
MRSI	MRSI	1.18 307	P	Sn	17 33 00.6 +1.4
MRSI	MRSI	1.18 307	P	Sn	17 32 40.0 +0.4
MRSI	MRSI	1.18 307	P	Sn	17 33 03.1 -0.1
MRSI	MRSI	1.18 307	P	Sn	17 33 08.0 -0.1
MRSI	MRSI	1.18 307	P	Sn	17 32 55.5 +1.1
MRSI	MRSI	1.18 307	P	Sn	17 33 07.1 +1.7
MRSI	MRSI	1.18 307	P	Sn	17 33 01.7 +1.7
MRSI	MRSI	1.18 307	P	Sn	17 33 09.1 +2.5
MRSI	MRSI	1.18 307	P	Sn	17 33 12.9 -0.4
MRSI	MRSI	1.18 307	P	Sn	17 33 20.5 +1.3
MRSI	MRSI	1.18 307	P	Sn	17 33 24.3 -0.8
MRSI	MRSI	1.18 307	P	Sn	17 34 14.5 -2.9
MRSI	MRSI	1.18 307	P	Sn	17 33 23.9 -1.2
MRSI	MRSI	1.18 307	P	Sn	17 33 29.3 +0.8
MRSI	MRSI	1.18 307	P	Sn	17 33 31.5 +1.1
MRSI	MRSI	1.18 307	P	Sn	17 33 32.5 -0.3
MRSI	MRSI	1.18 307	P	Sn	17 33 34.8 +1.1
MRSI	MRSI	1.18 307	P	Sn	17 33 37.0 +2.4
MRSI	MRSI	1.18 307	P	Sn	17 33 43.1 +3.2
MRSI	MRSI	1.18 307	P	Sn	17 33 41.9 +1.0
MRSI	MRSI	1.18 307	P	Sn	17 33 48.2 +3.0
MRSI	MRSI	1.18 307	P	Sn	17 33 55.9 -0.6
MRSI	MRSI	1.18 307	P	Sn	17 34 05.3 +2.5
MRSI	MRSI	1.18 307	P	Sn	17 34 09.6 +1.9
MRSI	MRSI	1.18 307	P	Sn	17 35 38.4 +4.6
MRSI	MRSI	1.18 307	P	Sn	17 34 04.9 +1.2
MRSI	MRSI	1.18 307	P	Sn	17 34 05.3 -2.4
MRSI	MRSI	1.18 307	P	Sn	17 35 38.4 +4.6
MRSI	MRSI	1.18 307	P	Sn	17 35 46.5 +1.3
MRSI	MRSI	1.18 307	P	Sn	17 34 10.6 +2.9
MRSI	MRSI	1.18 307	P	Sn	17 34 12.0 +0.5
MRSI	MRSI	1.18 307	P	Sn	17 34 12.1 +1.1
MRSI	MRSI	1.18 307	P	Sn	17 34 14.2 +2.6
MRSI	MRSI	1.18 307	P	Sn	17 34 12.0 +0.1
MRSI	MRSI	1.18 307	P	Sn	17 34 13.9 -0.1
MRSI	MRSI	1.18 307	P	Sn	17 34 17.3 +1.3
MRSI	MRSI	1.18 307	P	Sn	17 34 15.3 -1.0
MRSI	MRSI	1.18 307	P	Sn	17 35 51.3 +2.1
MRSI	MRSI	1.18 307	P	Sn	17 34 16.7 +0.3
MRSI	MRSI	1.18 307	P	Sn	17 34 17.4 +0.8
MRSI	MRSI	1.18 307	P	Sn	17 34 16.0 -0.6
MRSI	MRSI	1.18 307	P	Sn	17 34 17.2 +0.4
MRSI	MRSI	1.18 307	P	Sn	17 35 56.8 +6.9
MRSI	MRSI	1.18 307	P	Sn	17 34 18.8 0.0
MRSI	MRSI	1.18 307	P	Sn	17 34 29.2 +2.6
MRSI	MRSI	1.18 307	P	Sn	17 34 30.0 +3.4
MRSI	MRSI	1.18 307	P	Sn	17 34 30.0 +3.4
MRSI	MRSI	1.18 307	P	Sn	17 34 32.4 -2.4
MRSI	MRSI	1.18 307	P	Sn	17 36 11.5 -1.1
MRSI	MRSI	1.18 307	P	Sn	17 34 32.4 -2.4
MRSI	MRSI	1.18 307	P	Sn	17 34 38.8 +1.2
MRSI	MRSI	1.18 307	P	Sn	17 34 39.4 +1.8
MRSI	MRSI	1.18 307	P	Sn	17 34 40.1 +2.5
MRSI	MRSI	1.18 307	P	Sn	17 34 41.1 +0.2
MRSI	MRSI	1.18 307	P	Sn	17 34 48.1 +5.6
MRSI	MRSI	1.18 307	P	Sn	17 34 52.4 +7.4
MRSI	MRSI	1.18 307	P	Sn	17 34 48.2 +2.5
MRSI	MRSI	1.18 307	P	Sn	17 34 51.7 +2.6
MRSI	MRSI	1.18 307	P	Sn	17 34 53.5 +2.6
MRSI	MRSI	1.18 307	P	Sn	17 34 54.4 +3.2
MRSI	MRSI	1.18 307	P	Sn	17 34 53.0 +1.1
MRSI	MRSI	1.18 307	P	Sn	17 34 54.0 +2.1
MRSI	MRSI	1.18 307	P	Sn	17 34 57.4 +3.2
MRSI	MRSI	1.18 307	P	Sn	17 34 58.0 +3.6
MRSI	MRSI	1.18 307	P	Sn	17 34 55.7 -0.7
MRSI	MRSI	1.18 307	P	Sn	17 35 00.5 +4.0
MRSI	MRSI	1.18 307	P	Sn	17 35 05.3 +3.9
MRSI	MRSI	1.18 307	P	Sn	17 34 59.2 +2.5
MRSI	MRSI	1.18 307	P	Sn	17 34 57.4 +0.6
MRSI	MRSI	1.18 307	P	Sn	17 34 58.6 +1.5
MRSI	MRSI	1.18 307	P	Sn	17 34 57.4 +0.3
MRSI	MRSI	1.18 307	P	Sn	17 35 00.8 +3.3
MRSI	MRSI	1.18 307	P	Sn	17 35 01.7 +3.1
MRSI	MRSI	1.18 307	P	Sn	17 35 05.5 +4.0
MRSI	MRSI	1.18 307	P	Sn	17 35 05.3 +3.1
MRSI	MRSI	1.18 307	P	Sn	17 35 05.3 +3.1
MRSI	MRSI	1.18 307	P	Sn	17 35 08.0 +3.4
MRSI	MRSI	1.18 307	P	Sn	17 35 12.8 -0.9
MRSI	MRSI	1.18 307	P	Sn	17 35 13.8 -3.3
MRSI	MRSI	1.18 307	P	Sn	17 35 13.8 +4.0
MRSI	MRSI	1.18 307	P	Sn	17 35 15.2 -3.2
MRSI	MRSI	1.18 307	P	Sn	17 35 14.9 +2.5
MRSI	MRSI	1.18 307	P	Sn	17 35 15.3 +0.9
MRSI	MRSI	1.18 307	P	Sn	17 35 17.6 +1.6
MRSI	MRSI	1.18 307	P	Sn	17 35 18.9 -2.7
MRSI	MRSI	1.18 307	P	Sn	17 35 26.1 +3.9
MRSI	MRSI	1.18 307	P	Sn	17 35 26.7 +2.9
MRSI	MRSI	1.18 307	P	Sn	17 35 24.3 +0.1
MRSI	MRSI	1.18 307	P	Sn	17 35 34.2 +4.4
MRSI	MRSI	1.18 307	P	Sn	17 35 28.8 -1.2
MRSI	MRSI	1.18 307	P	Sn	17 35 30.7 -0.9
MRSI	MRSI	1.18 307	P	Sn	17 35 27.9 -0.8
MRSI	MRSI	1.18 307	P	Sn	17 35 35.2 +1.8
MRSI	MRSI	1.18 307	P	Sn	17 35 35.2 +0.5
MRSI	MRSI	1.18 307	P	Sn	17 35 35.7 -1.1
MRSI	MRSI	1.18 307	P	Sn	17 35 37.4 +0.4
MRSI	MRSI	1.18 307	P	Sn	17 35 37.6 +0.3
MRSI	MRSI	1.18 307	P	Sn	17 35 38.7 +1.4
MRSI	MRSI	1.18 307	P	Sn	17 35 36.8 +0.6
MRSI	MRSI	1.18 307	P	Sn	17 35 41.5 +0.2
MRSI	MRSI	1.18 307	P	Sn	17 35 40.6 -0.7
MRSI	MRSI	1.18 307	P	Sn	17 35 45.4 -0.2
MRSI	MRSI	1.18 307	P	Sn	17 35 51.6 0.0
MRSI	MRSI	1.18 307	P	Sn	17 35 55.2 +1.7

JUCI	Jatiwangi	15.86 247	P	P	17 36 01.2 +4.9
BALP	Baler	15.93 355	eP	P	17 36 60.0 +3.0
CMRJ	Cimera	16.23 242	P	P	17 36 02.5 +2.1
KNKA	Kunurra	16.41 160	P	P	17 36 02.5 +0.2
LEM	Lembang	16.58 246	P	P	17 36 05.8 +1.3
CISI	Cisomet, Garu	16.70 244	ePn	P	17 36 06.9 +1.2
CISI	Cisomet, Garu	16.70 244	P	P	17 36 08.2 +2.5
PPBI	Pangkal Pinang	16.86 263	P	P	17 36 10.0 +2.6
PALP	Palanan	17.19 358	eP	Pn	17 36 15.7 +4.6
DBJJ	Drangajati	17.28 248	P	Pn	17 36 15.6 +3.2
GENI	Genyem	17.43 98	P	Pn	17 36 14.8 +0.7
SBJJ	Serang	17.72 250	P	P	17 36 20.3 +2.7
JAY	Jayapura	17.95 97	P	P	17 36 20.9 +0.4
JAY	Jayapura	17.95 97	P	P	17 36 20.3 -0.2
FITZ	Fitzroy Crossi	17.96 171	P	Pn	17 36 20.6 +0.3
FITZ	Fitzroy Crossi	17.96 171	P	Pn	17 36 20.7 +0.3
FITZ	Fitzroy Crossi	17.96 171	eP	Pn	17 36 20.8 +0.4
APYP	Conner	18.05 355	eP	Pn	17 36 21.9 +0.3
CGJJ	Cibinong	18.29 249	P	P	17 36 25.4 +1.0
PMBI	Palemang	18.20 261	P	Pn	17 36 33.1 +8.5
BLSI	Bandar Lampung	18.34 254	P	Pn	17 36 26.6 +1.5
SGCP	Mt. Cagua	18.38 357	eP	Pn	17 36 26.0 +0.6
KLI	Kotabumi	18.59 255	P	P	17 36 28.6 +0.6
KASI	Kota Agung	19.10 254	P	Pn	17 36 35.3 +1.3
MYKOM	Kota Tinggi	19.14 276	eP	Pn	17 36 34.6 +0.1
MYKOM	Kota Tinggi	19.14 276	P	Pn	17 36 35.0 +0.5
MDSI	Mauru Dua	19.16 257	P	Pn	17 36 34.8 0.0
MMPI	Merauke	19.25 116	P	Pn	17 36 35.5 -0.3
JMBI	Jambi	19.25 266	P	Pn	17 36 36.7 +0.4
LWLI	Luwuk	19.29 256	P	Pn	17 36 38.5 +0.9
XMIS	Christmas Isla	19.93 239	eP	P	17 36 40.7 -0.4
MNAI	Manna	20.33 258	eP	P	17 36 45.5 +0.2
MASI	Maura Aman, Be	20.84 262	P	Pn	17 36 53.9 -0.5
MBWA	Marble Bar	21.03 188	eP	P	17 36 53.7 +0.9
MBWA	Marble Bar	21.03 188	P	P	17 36 54.1 +1.4
SDSI	Sungai Dareh	21.47 268	P	P	17 36 59.9 +2.3
KRJJ	Kerinci	21.50 255	P	P	17 37 01.7 +3.7
BKNI	Bangka	21.86 271	eP	P	17 37 03.1 +1.4
BKNI	Bangka	21.86 271	P	P	17 37 05.2 +3.5
IPM	Ipo	22.34 282	eP	P	17 37 07.6 +0.9
PDSI	Padang	22.44 268	P	P	17 37 09.1 +1.4
WRAB	Tennant Creek	22.57 151	eP	P	17 37 09.1 +0.1
WRAB	Tennant Creek	22.57 151	P	P	17 37 09.4 +0.4
WR1	Warramunga Arr	22.57 151	eP	P	17 37 09.5 +0.5
WR1	Warramunga Arr	22.57 151	P	P	17 37 07.3 -1.2
WR1	Warramunga Arr	22.57 151	eScP	P	17 37 09.5 +0.5
WRA	Warramunga Arr	22.57 151	P	P	17 37 09.5 +0.5
WRA	Warramunga Arr	22.57 151	P	P	17 41 07.3 -1.1
WRA	Warramunga Arr	22.57 151	P	P	17 44 26.0 -0.4
WRA	Warramunga Arr	22.57 151	P	P	17 37 09.5 +0.5
WRA	Warramunga Arr	22.57 151	P	P	17 41 07.4 -1.1
WRA	Warramunga Arr	22.57 151	P	P	17 37 08.0 -1.0
KULM	Kulim	22.88 284	eP	P	17 37 12.1 0.0
KULM	Kulim	22.88 284	P	P	17 37 13.0 +0.9
TWJ	Pinlang	22.98 356	eP	P	17 37 12.7 -0.3
QIZ	Qiongzhou	23.03 327	P	P	17 37 15.0 +1.5
QIZ	Qiongzhou	23.03 327	P	P	17 41 18.3 +2.5
QIZ	Qiongzhou	23.03 327	P	P	17 41 56.5 +1.1
QIZ	Qiongzhou	23.03 327	P	P	17 37 14.4 +0.9
QIZ	Qiongzhou	23.03 327	P	P	17 37 19.7 +2.7
TPUB	Ta-pu	23.50 355	eP	P	17 37 19.2 +1.4
YULB	Giralila	23.53 356	eP	P	17 37 17.3 -0.8
GIRL	Giralila	23.53 356	P	P	17 37 22.9 +2.2
SISI	Saibi	23.82 267	P	P	17 37 20.6 -0.2
SSLB	Sungulung	23.95 356	eP	P	17 37 22.5 +0.4
PSI	Prapat	24.14 277	P	P	17 37 24.4 +0.4
PSI	Prapat	24.14 277	P	P	17 37 23.8 -0.1
COEN	Coen	24.27 125	P	P	17 37 25.2 +0.4
COEN	Coen	24.27 125	P	P	17 37 25.3 +0.4
NACB	Ninganchiao	24.29 357	eP	P	17 37 24.4 -0.5
TRTT	Trang	24.48 290	P	P	17 37 29.1 +2.4
MANU	Manus	24.54 94	eP	P	17 37 28.9 +1.5
YOJ	Yonaguni jima	24.55 0	eP	P	17 37 28.3 +1.1
YOJ	Yonaguni jima	24.55 0	eP	P	17 37 28.3 +1.1
TSI	Tuntungan	24.59 279	P	P	17 37 30.3 +2.5
YHNB	Yuanbei	24.80 357	P	P	17 37 30.6 +1.0
GZHZ	Guangzhou	24.97 339	P	P	17 37 37.0 +5.9
GZHZ	Guangzhou	24.97 339	P	P	17 37 58.5 +3.3
SRAK	Srakaw	25.03 305	P	P	17 37 32.9 -2.4
TATO	Taipei	25.10 357	eP	P	17 37 32.2 0.0
WRKA	Warukma	25.21 168	P	P	17 37 34.4 +1.1
SKNT	Sakolnakeri	25.29 313	P	P	17 37 36.1 +2.0
SKNT	Sakolnakeri	25.29 313	P	P	17 37 34.8 0.0
GSI	Gunungsitoli	25.36 274	eP	P	17 37 35.2 +0.4
GSI	Gunungsitoli	25.36 274	P	P	17 37 36.8 +2.1
OZH	Qanzhou	25.37 358	P	P	17 38 12.

1401

Table with columns for station name, frequency, and various signal quality indicators. Includes stations like KDJ, MAZK, NRN, TDK, etc.

2012 DEC

Table with columns for station name, frequency, and various signal quality indicators. Includes stations like KKAR, KKKR, NKS, NNS, etc.

28d 17h

Table with columns for station name, frequency, and various signal quality indicators. Includes stations like ANN, ANNA, ANNA, ANNA, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like DAWY Dawson, IDID Didziasalis, IZAR Zarasai, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like MONP2 Monument Peak, MOOV Moose Ponds, PSUT Pine Springs, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like PESTR Estremoz, PCAS Casimiro, ISCO Idaho Springs, etc.

2012 DEC										28d 17h																
4103	baz=326	D49A	Beulah Townshi	128.60	21	P	PKPdf	17 51 11.7	-0.3	M50A	Fremont	132.78	27	P	PKPdf	17 51 21.1	+1.0	baz=316	V52A	Sevierville	136.85	32	ePKPdf	PKPdf	17 51 27.8	-0.1
	baz=328	ABTX	Ablene, Hawle	128.61	47	ePKPdf	PKPdf	17 51 10.5	-2.0	J54A	Appleton	133.01	22	P	PKPdf	17 51 21.3	+0.8	baz=320	V52A	Sevierville	136.85	32	ePKPdf	PKPdf	17 51 28.6	+0.7
	baz=300	ABTX	Ablene, Hawle	128.61	47	ePKPdf	PKPdf	17 51 12.6	+0.1	Q47A	Beard North L	133.04	31	P	PKPdf	17 51 21.4	+0.7	baz=320	TKL	Tuckaleechee C	136.90	32	ePKPpre	PKPpre	17 51 16.3	-1.5
	baz=317	K42A	Prairie Point,	128.72	30	P	PKPdf	17 51 12.5	+0.1	O49A	Covington	133.14	29	P	PKPdf	17 51 21.6	+0.7	baz=316	TKL	Tuckaleechee C	136.90	32	ePKHKP	PKPpre	17 51 16.3	-1.5
	baz=317	G45A	Suttons Bay	128.73	26	P	PKPdf	17 51 12.2	-0.1	P48A	Milroy	133.16	30	P	PKPdf	17 51 21.9	+1.0	baz=316	TKL	Tuckaleechee C	136.90	32	ePKHKP	PKPpre	17 51 16.3	-1.5
	baz=322	N40A	Mertquake, Sal	128.88	33	P	PKPdf	17 51 12.7	0.0	N50A	Nevada	133.24	27	P	PKPdf	17 51 21.7	+0.7	baz=316	LRAL	Lakeview Retre	136.93	38	ePKPpre	PKPpre	17 51 14.7	-0.5
	baz=314	E48A	Lockeyer	128.97	22	P	PKPdf	17 51 13.0	+0.2	S46A	Don Dixon Farm	133.26	34	P	PKPdf	17 51 22.3	+1.2	baz=316	LRAL	Lakeview Retre	136.93	38	ePKPpre	PKPpre	17 51 21.7	+1.0
	baz=327	L42A	Oliver, Polo	129.12	31	P	PKPdf	17 51 13.7	+0.6	J55A	Hilton	133.32	21	P	PKPdf	17 51 22.4	+1.4	baz=313	US3A	Fall Branch	136.98	31	P	PKPdf	17 51 28.4	+0.2
	baz=316	F47A	Evansville	129.34	23	P	PKPdf	17 51 13.6	+0.2	Q49A	North Vernon	133.41	31	P	PKPdf	17 51 22.1	+0.7	baz=321	Y50A	Piedmont	137.09	36	P	PKPdf	17 51 29.1	+0.8
	baz=326	G48A	Hillman	129.38	24	P	PKPdf	17 51 14.5	+0.9	A98A	Miami Univ. Ec	133.46	30	P	PKPdf	17 51 22.2	+0.7	baz=316	Z49A	Columbiana	137.10	37	P	PKPdf	17 51 29.2	+0.8
	baz=324	L43A	Garden Prairie	129.46	30	P	PKPdf	17 51 13.9	+0.1	R47A	Wooly Knot Far	133.46	32	P	PKPdf	17 51 22.4	+1.0	baz=314	X51A	Calhoun	137.11	34	P	PKPdf	17 51 29.2	+0.8
	baz=317	TUL1	Leonard	129.50	41	ePKPdf	PKPdf	17 51 14.4	+0.3	O50A	Cable	133.51	28	P	PKPdf	17 51 22.8	+1.2	baz=318	W52A	Murphy	137.24	33	ePKPpre	PKPpre	17 51 18.0	-0.3
	baz=322	JCT	Junction City	129.54	49	ePKPdf	PKPdf	17 51 14.8	+0.5	U45A	Rockin P Farm,	133.60	36	P	PKPdf	17 51 22.7	+0.9	baz=318	W52A	Murphy	137.24	33	ePKPpre	PKPpre	17 51 28.4	-0.3
	baz=322	JCT	Junction City	129.54	49	ePKPdf	PKPdf	17 51 14.8	+0.5	Z42A	Norrel Spur, H	133.62	41	P	PKPdf	17 51 23.3	+1.4	baz=313	149A	Blacksburg	137.35	38	P	PKPdf	17 51 29.7	+0.8
	baz=322	JCT	Junction City	129.54	49	ePKPdf	PKPdf	17 51 14.9	+0.5	Z24A	Princeton	133.62	34	P	PKPdf	17 51 23.2	+1.4	baz=324	BLA	Blacksburg	137.36	28	P	PKPdf	17 51 29.2	+0.4
	baz=322	JCT	Junction City	129.54	49	ePKPdf	PKPdf	17 51 14.9	+0.5	WCI	Wyandotte Cave	133.64	32	P	PKPdf	17 51 23.5	+1.7	baz=316	V53A	Saluda	137.39	31	ePKPpre	PKPpre	17 51 16.9	-0.6
	baz=329	F49A	Sandfield	129.62	23	P	PKPdf	17 51 14.9	+1.0	K55A	Perry	133.69	21	P	PKPdf	17 51 23.1	+1.3	baz=318	V53A	Saluda	137.39	31	ePKPpre	PKPpre	17 51 29.5	+1.5
	baz=327	N42A	Yates City	129.76	32	P	PKPdf	17 51 14.2	-0.2	R48A	Northridge Ran	133.73	32	P	PKPdf	17 51 23.2	+1.2	baz=315	Z50A	Ashland	137.43	37	P	PKPdf	17 51 30.0	+1.0
	baz=315	O41A	Passleys Farm,	129.80	34	P	PKPdf	17 51 14.3	-0.2	ACSO	Alum Creek Sta	133.74	28	ePKPdf	PKPdf	17 51 20.9	-1.1	baz=316	Y51A	Rockmart	137.47	35	P	PKPdf	17 51 30.4	+1.2
	baz=314	D52A	ZEK Kipawa Sen	129.86	19	P	PKPdf	17 51 14.3	-0.1	ACSO	Alum Creek Sta	133.74	28	ePKPdf	PKPdf	17 51 22.4	+0.4	baz=316	249A	Camden	137.56	39	P	PKPdf	17 51 31.3	+2.0
	baz=322	E51A	G1948 Merrick	129.89	20	P	PKPdf	17 51 15.4	+0.9	Q49A	Aurora	133.78	30	P	PKPdf	17 51 22.7	+0.7	baz=316	W53A	Camden	137.59	32	P	PKPdf	17 51 30.8	+1.4
	baz=330	O42A	Bath	130.18	33	P	PKPdf	17 51 16.0	+0.8	P50A	Jamesstown	133.85	29	P	PKPdf	17 51 22.6	+0.4	baz=322	X52A	Dahlonega	137.62	33	P	PKPdf	17 51 30.6	+1.2
	baz=330	F51A	Arnstein	130.26	21	P	PKPdf	17 51 16.1	+0.9	U46A	Springville	133.93	35	P	PKPdf	17 51 23.1	+0.6	baz=318	150A	Colectic	137.82	37	P	PKPdf	17 51 31.5	+1.8
	baz=330	E52A	Mattawa	130.39	20	P	PKPdf	17 51 15.8	+0.4	O51A	Patakalwa	133.99	27	P	PKPdf	17 51 22.2	-0.2	baz=314	Z51A	Franklin	137.82	36	P	PKPdf	17 51 31.5	+1.8
	baz=331	M44A	Midew, Midew	130.40	31	P	PKPdf	17 51 16.4	+0.8	T47A	Sharon Grove	134.10	34	P	PKPdf	17 51 23.6	+0.9	baz=316	BG3	Lake Jocassee	137.85	32	ePKPpre	PKPpre	17 51 18.9	-0.7
	baz=318	P42A	Winchester	130.46	34	ePKPdf	PKPdf	17 51 16.1	+0.3	M54A	Oil Creek Stat	134.13	24	ePKPdf	PKPdf	17 51 22.2	-0.5	baz=316	R58B	Mineral	137.86	25	P	PKPdf	17 51 31.6	+1.9
	baz=314	P42A	Winchester	130.46	34	ePKPdf	PKPdf	17 51 16.3	+0.5	M54A	Oil Creek Stat	134.13	24	ePKPdf	PKPdf	17 51 22.3	-0.3	baz=328	349A	Repton	137.94	40	P	PKPdf	17 51 31.2	+1.2
	baz=314	ZAIG	Zacatecas	130.47	60	ePKPdf	PKPdf	17 51 15.8	-0.9	W45A	Hickory Valley	134.16	37	P	PKPdf	17 51 23.7	+0.9	baz=312	X53A	Estanallee	138.02	33	P	PKPdf	17 51 31.4	+1.3
	baz=314	HHAR	Hobbs	130.48	40	ePKPdf	PKPdf	17 51 16.4	+0.4	R49A	Sheehyville	134.18	31	P	PKPdf	17 51 23.8	+0.9	baz=319	Y52A	Liburn	138.07	34	P	PKPdf	17 51 31.5	+1.3
	baz=322	J47A	Summer	130.52	27	P	PKPdf	17 51 16.6	+0.9	S48A	Wiedeman Farm,	134.18	32	P	PKPdf	17 51 23.2	+0.4	baz=318	250A	Grady	138.10	38	P	PKPdf	17 51 31.5	+1.2
	baz=302	WHTX	Lake Whitney,	130.52	46	P	PKPdf	17 51 18.0	+1.9	N53A	Lisbon	134.23	25	P	PKPdf	17 51 23.0	+0.2	baz=313	G006	Curarrehue	138.25	163	ePKPpre	PKPpre	17 51 21.8	-0.6
	baz=302	X37A	Clayton	130.55	42	ePKPdf	PKPdf	17 51 16.9	+0.8	WWT	Waverly	134.29	35	ePKPdf	PKPdf	17 51 23.1	+0.1	baz=316	G006	Curarrehue	138.25	163	ePKPpre	PKPpre	17 51 32.0	-0.6
	baz=302	F52A	Sundridge	130.59	20	P	PKPdf	17 51 16.6	+0.8	WWT	Waverly	134.29	35	ePKPdf	PKPdf	17 51 23.1	+0.1	baz=316	G006	Curarrehue	138.25	163	ePKPpre	PKPpre	17 51 32.0	-0.6
	baz=302	E53A	Dumonia, Ponti	130.63	19	P	PKPdf	17 51 16.6	+0.7	WWT	Waverly	134.29	35	ePKPdf	PKPdf	17 51 23.6	+0.5	baz=315	449A	Pace	138.31	40	P	PKPdf	17 51 32.7	+2.0
	baz=332	E54A	Lac Daplat, Po	130.73	18	P	PKPdf	17 51 16.0	-0.1	V46A	Holladay	134.35	36	P	PKPdf	17 51 24.1	+0.9	baz=311	Y53A	Monroe	138.34	34	P	PKPdf	17 51 32.7	+2.0
	baz=333	R41A	Rosebud	130.75	36	P	PKPdf	17 51 16.5	+0.2	Q50A	Georgetown	134.36	30	P	PKPdf	17 51 23.8	+0.7	baz=318	Z52A	Williamson	138.36	35	P	PKPdf	17 51 32.5	+1.8
	baz=312	N44A	Piper City	130.79	31	P	PKPdf	17 51 16.1	-0.2	O52A	Adaverville	134.36	27	P	PKPdf	17 51 24.3	+1.2	baz=316	251A	Midway	138.54	37	P	PKPdf	17 51 32.6	+1.5
	baz=317	I49A	Point Hope	130.82	24	P	PKPdf	17 51 17.5	+1.1	U47A	Clarksville	134.38	35	P	PKPdf	17 51 24.1	+0.9	baz=314	152A	Waverly Hall	138.55	36	ePKPdf	PKPdf	17 51 23.0	-0.7
	baz=325	Q42A	Golden Eagle	130.82	35	P	PKPdf	17 51 18.0	+1.6	T48A	Bowling Green	134.40	33	P	PKPdf	17 51 24.2	+0.9	baz=316	152A	Waverly Hall	138.55	36	ePKPdf	PKPdf	17 51 23.0	-0.7
	baz=313	833A	Chaparral WMA,	130.85	52	ePKPdf	PKPdf	17 51 16.6	-0.2	OXF	Oxford	134.45	38	ePKPdf	PKPdf	17 51 22.8	-0.7	baz=311	152A	Waverly Hall	138.55	36	ePKPdf	PKPdf	17 51 23.0	-0.7
	baz=313	833A	Chaparral WMA,	130.85	52	ePKPdf	PKPdf	17 51 18.7	+1.8	N54A	Moraine State	134.46	24	P	PKPdf	17 51 24.0	+0.7	baz=316	KM5C	Kings Mountain	138.56	31	ePKPpre	PKPpre	17 51 32.9	+1.8
	baz=313	P43A	Skaggs, Pawnee	130.88	33	P	PKPdf	17 51 17.3	+0.8	S49A	Springfield	134.50	32	P	PKPdf	17 51 23.2	-0.2	baz=322	KM5C	Kings Mountain	138.56	31	ePKPpre	PKPpre	17 51 32.6	+1.5
	baz=315	K47A	Vermontville	130.89	27	P	PKPdf	17 51 18.1	+1.6	X45A	UM Field Stati	134.52	38	P	PKPdf	17 51 24.7	+1.1	baz=312	PAUL	Pauline	138.57	31	ePKPpre	PKPpre	17 51 21.7	-0.5
	baz=312	CCM	Cathedral Cave	130.99	36	ePKPdf	PKPdf	17 51 17.3	+0.5	Q51A	Peebles	134.52	29	P	PKPdf	17 51 24.2	+0.7	baz=312	PAUL	Pauline	138.57	31	ePKPpre	PKPpre	17 51 30.8	-0.5
	baz=312	CCM	Cathedral Cave	130.99	36	ePKPdf	PKPdf	17 51 18.3	+1.5	O53A	New Philadelph	134.53	26	P	PKPdf	17 51 23.7	+0.3	baz=312	GOGA	Godfrey	138.74	34	ePKPpre	PKPpre	17 51 31.8	+0.4
	baz=311	N41A	Jillico Farms,	131.00	37	P	PKPdf	17 51 18.1	+1.2	P52A	Corning	134.61	27	P	PKPdf	17 51 23.9	+0.2	baz=318	GOGA	Godfrey	138.74	34	ePKHKP	PKPpre	17 51 20.5	-1.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like TGUH Tegucigalpa, ACCO Cerro Coronel, AROD Rodeo, TCA Tanti, LCO Las Campanas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like TMT Ternate, SKMP Bagumbayan, DAVU Davao City, etc.

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

ISK 28 17:42:23.4, 42.38N:40.99E, h10km, 1km, ML3.1/3
TIF 28 17:42:24.9, 42.35N:41.03E, h10km, 2km
ISCJB 28 17:42:24.0, 42.34N:40.92E, h10km, 3km

ISCJB 28 18:00:55.7, 0.3, 67.04N:0.02:20.92E:0.06, h0km, Error
ellip: s-maj=3.3km s-min=3.0km az=12.5
UPP 28 18:00:56.2, 0.1, 67.06N:20.94E, h0km, ML1.9

MEX 28 18:33:32.5, 0.5, 16.32N:98.31W, h9km, 2km, MD3.8, Near
coast of Guerrero

IDC 28 18:34:45.6, 2.8, 2.74N:127.94E, h0km, mb3.2/4,
mb1.3/4, mb1mx3.2/45, mb2km3.3/4, Error ellipse:
s-maj=259.3km s-min=22.4km az=68.0, Northern
Molucca Sea

IDC 28 18:35:11.1, 1.1, 3.33'60S:70.63W, h0km, mb3.8/4,
mb1.4/1.5, mb1mx3.8/27, mbtmt3.8/5, ML3.6/1, Error
ellip: s-maj=46.3km s-min=39.8km az=13.0
SJA 28 18:35:21.3, 0.8, 33.40S:70.78W, h133km, 7km, ML3.5,
MV4.2
ISCJB 28 18:35:23.0, 0.3, 33.28S:70.64W, h103km, 3km,
mb3.6/4, Error ellipse: s-maj=9.9km s-min=5.4km
az=168.1
GUC 28 18:35:23.8, 0.6, 33.28S:70.60W, h100km, 2km, ML4.2
NEIC 28 18:35:23.0, 0.0, 33.28S:70.60W, h100km, ML4.2(GUC),
Alt: GUC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like BATM Batumi, DOMR Dombai, BORA Borcka, etc.

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

NEIC Fell III at Los Andes.
ISC 28 18:35:24.0, 0.7, 33.29S:70.04W, h97km, 5km,
n45, c112/59, mb3.6/4, 3C-3D, Chile-Argentina border
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like CLCH Cerro Calan, PEL Peldehue, PEL Peldehue, etc.

28d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like Warramunga Arr, Alice Springs, Makanchi Arr, etc.

2012 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like Warramunga Arr, Alice Springs, Makanchi Arr, etc.

1406

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like Warramunga Arr, Alice Springs, Makanchi Arr, etc.

comp=E,145nm,0.4s
ROCH EI Roble 3.61 40 eP Pn 21 46 55.0 +1.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 28 21:58:54.2,2.2,0.54N-97.35E, PSI 0.4p, PSI 0.7m, H0S2 Diego Garcia H, H0S3 Diego Garcia H, H0S1 Diego Garcia H, ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam.

MEX 28 22:00:46.5,0.4,14.48N-92.65W,h28km,22km,MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MEX 28 22:00:46.5,0.4,14.48N-92.65W, PCIG Comitan, MAN 28 22:17:11.7,6.53N-123.43E.

IDC 28 22:17:08.2,0.7,29.50S;111.81W,h0km,mb3.8/6, mb1 4.0/6, mb1mx3.9/26, mbtmp3.8/6, MS4.1/14, MS1 4.1/14, ms1mx4.0/23, Error ellipse: s-maj=34.7km s-min=21.7km az=106.0

GCMT 28 22:17.14.0,0.4,29.96S;112.112.04W;0.02,h24km,1km, MW5.0/71, Moment Tensor: Scale 10^16Nm; Mrr-0.49; 22; Mss-3.51; 17; Mtt-0.60; 26; Mbb-1.23; 15; Mtt-0.23; 23; Best double couple: M:0.41000/-0.1016 NP1:0.126,00000/-0.868,00000/-1.170,00000/-1. NP2: 0.36,00000/-0.860,00000/-1.4,00000/-0.42290, Plg4,00000/-0.2261,00000/-N-0.4229, Plg8,00000/-Azm148,00000/-P-3.8000, Plg10,00000/-Azm351,00000/-; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface wave location Triangular moment-ratio function

ISC 28 22:17:11.2,0.7,29.55S;0.1x111.9W;0.2,h16km,n30, a1547/19,mb3.7/7,MS4.2/14, Easter Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RPN Papa Nui, RKT Rikitea, TBI Tubuai, PPT2 Papeete2, PPT Papeete, LPAZ La Paz, LPAZ La Paz, CPUP Villa Florida, ROSC El Rosal, TXAR Lajitas Array, TXAR Lajitas Array, BDFB Brasilia, VNDA Vanda, GQSA South Pole OI, RPZ Rata Peake, VN3 Neumayer Olymp, VN2 Neumayer-Watz, NVAR Mina Array Bea, NVAR Mina Array Bea, SNA4 Snae, PDAR Pinedale Array, PDAR Pinedale Array, DZM Mont Dzumac, DZM Mont Dzumac, MAW Mawson, STKA Stephens Creek, YKA Yellowknife Arr, ASAR Alice Springs, WRA Warramunga Arr, SONM Songoing Array, CMAR Chiang Mai Arr, BRTR Keanini Array, BRTR Keanini Array, ZALV Zalesovo Beam, MKAR Makanchi Array.

MEX 28 22:20:31.8,0.4,13.86N-91.99W,h20km,288km,MD3.9, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MEX 28 22:20:31.8,0.4,13.86N-91.99W, THIG Thig, PCIG Comitan, CCIG Comitan.

AZER 28 22:33:37.8,2.9,34.56N-47.44E,h2km,m3.6/6, Error ellipse: s-maj=31.3km s-min=17.8km az=118.0
ISN 28 22:33:38.0,1.2,34.99N-47.29E,h0km,10km,ML3.6
TEH 28 22:33:40.2,3.947N-47.04E,h5km,ML3.6
THR 28 22:33:41.7,0.4,35.04N-46.90E,h14km,6km,ML3.6
ISC 28 22:33:38.1,2,35.09N;0.02;46.91E;0.02,h1km,11km, n46,c215/61,5C-7D,Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ILIN Lien, IVIS Veis, IKOM Komasi, HSAM Samen, IKHM Kohzaman, IKFM Kafar-mosalmal, HAGD Aghdareh, IKMR Kham-sayah, IKRR Karkuz, IKRK Kirjak, ZNJK Zanjan, ZNJK Zanjuk, IBDR Badra, IIRAZ Razeghan, IBST Bostanabad, BHD Baghdad, ISRB Sarab, IKHM Khomeyn, KHMZ KHMZ, KHMZ Khomeyn, IMHD Mahdasht, ITBZ Tabriz, IHRH Heris, ISHB Shabestar, MSL Mosul, SHGR Shooshtar-Gavs, SHGR Shooshtar-Gavs, LRK Lerik, LRK Lerik, MRAND Marand, ASTR Astara, ASTR Astara, ORD Ordubad, ORD Ordubad, LKRN Lenkeran, Azer, LKRN Lenkeran, Azer, IPIR Pirpir, NSR Nassriya, IDMV Damavand, IKHL Kolahrood, IKLA Kolahrood, GLBA Gilbad, GLBA Gilbad, ROKH ROKH, SBZ Shahbuz, SBZ Shahbuz, ZNGN Zangian, ZNGN Zangian, IGAR Gharneh, GDBABY Gedabay, RTB RTB, RTB RTB.

IDC 28 22:50:51.7,7.9,30.34S;178.30W,h0km,mb3.3/2, mb1 3.6/2, mb1mx3.4/3, mbtmp3.3/2, Error ellipse: s-maj=329.9km s-min=61.7km az=155.0, Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, FINES FINESS Array B, IDC 28 23:25:16.9,0.8,27.91N;142.68E,h0km,mb3.6/10, mb1 3.8/11, mb1mx3.7/38, mbtmp3.6/11, ML3.7/1, MS3.7/1, MS1 3.7/1, ms1mx2.5/46, Error ellipse: s-maj=29.2km s-min=13.2km az=99.0, ISCJB 28 23:25:18.9,0.9,27.98N;0.07;142.8E;0.2,h25km, mb3.6/10, MS3.7/1, Error ellipse: s-maj=22.7km s-min=8.1km az=13.7, ISC 28 23:25:20.8,0.9,27.94N;0.08;142.6E;0.2,h25km,n13, a064/15,mb3.6/10, Bonin Islands region, ASAR Alice Springs, WRA Warramunga Arr, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, MKAR Makanchi Array, ASAR Alice Springs.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, BVAR Borovoye Array, YKA Yellowknife Arr, FINES FINESS Array B, BRTR Keanini Array.

IDC 28 23:52:59.5,2.8,36.14N;70.70E,h194km,24km,mb3.2/8, mb1 3.4/14, mb1mx3.1/61, mbtmp3.9/14, Error ellipse: s-maj=23.1km s-min=17.2km az=167.0, ISCJB 28 23:53:00.5,0.4,36.41N;0.03;70.63E;0.05,h200km, mb3.3/7, Error ellipse: s-maj=6.3km s-min=4.1km az=164.0

NNC 28 23:53:06.3,2.7,36.76N;70.77E,h216km,39km,mb3.0, mpv4.2, Error ellipse: s-maj=35.8km s-min=26.8km az=80.0

ISC 28 23:53:01.0,1.0,36.42N;0.06;70.63E;0.06,h200km,n42, a1927/48,mb3.5/7,4C-4D,Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CEP Cherat, CHCP Chirah Chowk, THW Thame Wali, SFK Sufi-Kurgan, SARP Sargodha, AML Alamyashu, UCH Uchtor, KK31 Karatay Array, KK31 Karatay Array, EK2S Erkin-Say, KZA Erkin-Say, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, KBK Karagaybulak, ULHL Ulahol, CHMS Chumysh, USP Oshnawka, TKM2 Tokmak 2, GEYT Geitay, GEYT Geitay, PYUN Pyun, MKAR Makanchi Array, DANN Dangding, KOLN Koldanda, AB31 Abkula array, DMN Daman, KKN Kakani, KURBB Kurchatov Arr, PKIN Pulchokhi, GUN Gumba, JIRN Jiri, RAMN Ramite, BVAR Borovoye Array, AKTO Aktyubinsk, AKTO Aktyubinsk, ZALV Zalesovo Beam, FINES FINESS Array B, ARCES ARCES Array B, NOA NORARS Array B, TORD Tori Arr, INK Inuvik, YKA Yellowknife Arr, WRA Warramunga Arr.

ISCJB 28 23:55:59.9,2.6,29.51S;0.15;111.5W;0.1,h17km,14km, Error ellipse: s-maj=25.2km s-min=7.1km az=7.1, SJA 28 23:56:01.0,1.0,29.55S;71.25W,h24km,2km,ML4.0, MW4.4

GUC 28 23:56:02.0,0.6,29.56S;70.94W,h48km,5km,ML3.6, ISC 28 23:56:00.8,2.7,29.52S;0.04;71.4W;0.1,h19km,5km,n14, a096/19,2D,Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LCO Las Campanas, LCO Las Campanas, LCO Las Campanas, LCO Las Campanas, GO04 Tololo Observa, GO04 Tololo Observa, GO04 Tololo Observa, AR0D Rodeo, ACVD Cuesta del Vie, GO03 Copiap, GO03 Copiap, GO03 Copiap, AGOO Cerro Coronel, AGUA GUANDACOL, VCA Vinchina, VCA Vinchina, RTLS Leontico, RTLS Leontico, RTVL Cerro Villucon, RTVC Cerro Villucon, FCH Farellones, FCH Farellones, ISCJB 29 00:05:03.4,0.7,68.03N;0.05;136.17W;0.1,h10km, mb3.5/2, Error ellipse: s-maj=9.5km s-min=5.2km az=43.5, IDC 29 00:05:03.6,1.9,68.50N;136.59W,h0km,mb3.7/2, mb1 3.9/5, mb1mx3.4/56, mbtmp3.7/5, ML3.4/3, Error ellipse: s-maj=33.9km s-min=14.1km az=175.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VINO, CESS, BAD, PRED, BUA, PTCC, DOBS, GCIS, GEPP, ACOM, GOLS, MYKA, MPRI, PERS, SOKA, FUSE, BISS, GROS, NVLJ, STAL, CLUD, MLNI, UDBI, KOGS, ABTA, ARSA, RISI, MOA, APPI, ABSI, CONA, SOTA, FETA, DAVA, RMP.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ASAR, MKAR, ZALV, TORD, MEX 29 01:22:30.7, MEX 29 01:33:52.7, MEX 29 01:44:54.2, MAN 29 01:57:39.3, ISCJB 29 01:57:39.3, DJA 29 01:33:09.9, ISC 29 01:33:10.5, ISC 29 01:33:06.0, DJA 29 01:33:09.9, ISC 29 01:33:10.5, ISC 29 01:33:06.0, DJA 29 01:33:09.9, ISC 29 01:33:10.5, ISC 29 01:33:06.0, DJA 29 01:33:09.9, ISC 29 01:33:10.5, ISC 29 01:33:06.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MKAR, ZALV, TORD, MEX 29 01:33:52.7, MEX 29 01:44:54.2, MAN 29 01:57:39.3, ISCJB 29 01:57:39.3, DJA 29 01:33:09.9, ISC 29 01:33:10.5, ISC 29 01:33:06.0, DJA 29 01:33:09.9, ISC 29 01:33:10.5, ISC 29 01:33:06.0, DJA 29 01:33:09.9, ISC 29 01:33:10.5, ISC 29 01:33:06.0.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, STKA, KSR, RUM, GUM, KOLN, DANN, PYUN, SONM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NNA, NNA, NNA, LPAZ, LPAZ, MNMC, PB11, GO01, OTAV, PTL, CMB, GCUF, CRUC, FLOC, SOTA, LVC, LVC, PCON, POPC, GO02, YOTO, VILC, ANIL, CHIC, RREF, ROSC, ROSC, EI, HELC, PTCB, LCO, ZARC, UREC, OCAC, PTGA.

Table with columns: PTGA, S, S, 02 05 28.3 -14, etc. Lists various stations and their details.

Table with columns: TAOA, TOR, TOR, 02 05 28.3 -14, etc. Lists various stations and their details.

Table with columns: ROSC, SDV, TXAR, etc. Lists various stations and their details.

ISCJB 29 02:05:26.9-0.4, 6.69S:0.04x130:10E:0.05, h146km, mb3.77, Error ellipse: s-maj=7.5km s-min=5.6km az=176.0

ISC 29 02:05:27.2-2.0, 6.51S: 130:14E, h142km, 22km, mb3.5/8, mb1 3.9/13, mb1mx3.7/30, mbtmp4.2/13, Error ellipse: s-maj=23.2km s-min=13.7km az=74.0

DJA 29 02:05:28.9-0.3, 7.3S:3.7x103E, h144km, 8km, M4.7/13, mb5.1/8, mb4.6/13, MLV=5.07, MW(MB)=4.5/8

ISC 29 02:05:26.3-0.6, 6.71S:0.05x130:10E:0.07, h146km, n25, 0.920, mb3.87, Banda Sea

Code Station Name Az Az' Phase ID Time Res h m s ISC

SAUI Saumlaki 1.74 137 P Pn 02 06 01.0 +2.8

SWI Sorong 5.92 111 P Pn 02 06 52.9 +0.9

PTAC Punta Arditia, 1.18 258 eP Pg 02 37 36.6 -0.2

PTBC PUERTO BERRIO, 2.33 111 eP Pn 02 37 54.2 -0.1

ISCJB 29 02:33:31.8-0.9, 7.15N:76:70W, h0km, mb3.4/5, mb1 3.7/5, mb1mx3.5/26, mbtmp3.4/5, MS3.0/2, Ms1 3.0/2, ms1mx2.6/19, Error ellipse: s-maj=47.2km s-min=15.9km az=45.0

ISC 29 02:33:33.0-1.6, 7.32N:0.03x76:72W:0.03, h7km, 10km, mb3.4/5, Error ellipse: s-maj=5.1km s-min=4.8km az=36.6

ISC 29 02:33:34.6-0.8, 7.33N:0.69W, h2km, 4km, ML 7.7, Mw3.9

Code Station Name Az Az' Phase ID Time Res h m s ISC

SAUI Saumlaki 1.74 137 P Pn 02 06 01.0 +2.8

SWI Sorong 5.92 111 P Pn 02 06 52.9 +0.9

PTAC Punta Arditia, 1.18 258 eP Pg 02 37 36.6 -0.2

PTBC PUERTO BERRIO, 2.33 111 eP Pn 02 37 54.2 -0.1

PTBC PUERTO BERRIO, 2.33 111 eP Pn 02 37 54.2 -0.1

Table with columns: JTS, JuntasAbangare, 7.40 119 Pn Pn, 02 45 06.3 -5.0, comp=Z,0.3nm,0.3s,baz=1.3,slow=7.1,SNR=1.7

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

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

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

Table with columns: BOAB, BOACO BROADBAN, 81 49 eP Pn, 03 02 32.9 -1.6

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

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

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

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

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

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

Table with columns: ONI, Oni, 1.82 82 P Pn, 03 48 02.7 +0.8

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

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

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

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

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

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

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

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

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like GOGA Godfrey, Y49A Blount Mountain, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like Q51A Peebles, Q52A Bidwell, P48A Millie, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like ILAR Eielson Array, AAK Ala-Archa, WMQ Urumqi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RAMN Ramite, GUN Gumba, PKIN Phulchok, etc.

ISCJB 29 05:31:41.9, 1.5, 71.5N, 0.3E, h10km, Error ellipse: s-maj=77.1km s-min=8.5km az=150.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JNW Jan Mayen West, JMJC JMJC, etc.

ISC 29 05:32:21.2, 6.6, 53.61N, 168.76E, h0km, mb3.2/2, mb1 3.5/3, mb1mx3.2/4.5, mbtmtp3.3/3, ML2.8/1, Error ellipse: s-maj=228.5km s-min=32.8km az=163.0

MOS 29 05:32:28.4, 2.5, 53.66N, 167.26E, h6km, mb3.9/1, Error ellipse: s-maj=21.6km s-min=9.7km az=2.8

KRSC 29 05:32:28.4, 1.7, 53.66N, 167.26E, h6km, mb3.9M, ML4.2, ISC 29 05:32:34.2, 3.9, 53.69N, 167.5E, 0.2, h35km, n37, r1505/60, Komandorski Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKZ Mys Kozlova, KBTR Krutoberegovo, KZV Kizimen, etc.

SKO 29 05:36:05.1, 40.773N, 21.39E, h15km, M1.5, ML2.0, ATH 29 05:36:05.9, 40.772N, 21.36E, h8km, 2km, ML2.6/1, Error ellipse: s-maj=5.2km s-min=1.7km az=320.0

ISCJB 29 05:36:06.1, 0.4, 70.76N, 0.02, 21.38E, 0.04, h6km, 5km, Error ellipse: s-maj=5.2km s-min=4.0km az=3.3

THE 29 05:36:06.4, 40.759N, 21.38E, ML1.7/4, Error ellipse: s-maj=0.9km s-min=0.3km az=11.0

ISC 29 05:36:06.1, 0.9, 40.747N, 0.02, 21.38E, 0.03, h3km, 6km, n20, r1502/32, Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FNA Florina, BIA Bitola, NEST Nestorio, etc.

Table with columns: OHR, Ohrid, Az, Az', Phase ID, Time, Res. Includes stations like OHR Ohrid, KRUS Krusevo, GRG Griva, etc.

IDC 29 05:40:44.0, 1.4, 2.05S, 138.83E, h0km, mb3.5/3, mb1 3.9/4, mb1mx3.6/2.4, mbtmtp3.7/4, ML4.1/1, Error ellipse: s-maj=26.0km s-min=2.0km az=9.0

NEIC 29 05:40:50.2, 0.2, 2.23S, 138.72E, h35km, mb4.0/7, Error ellipse: s-maj=13.9km s-min=10.5km az=83.0

ISC 29 05:40:45.4, 0.9, 2.23S, 138.77E, 0.08, h10km, n17, r176/18, Irian Jaya

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

ISCJB 29 05:04:14.9, 0.3, 19.92S, 0.03, 69.15W, 0.07, h16km, 4km, mb4.0/5, Error ellipse: s-maj=11.7km s-min=4.9km az=174.5

NEIC 29 06:04:16.0, 0.0, 19.90S, 69.22W, h101km, mb3.7/4, ML4.3(GUC), After GUC

IDC 29 06:04:16.0, 0.8, 19.94S, 68.91W, h110km, 6km, mb3.8/6, mb1 3.8/8, mb1mx3.6/2.8, mbtmtp4.2/8, Error ellipse: s-maj=23.8km s-min=20.9km az=53.0

GUC 29 06:04:16.0, 0.6, 19.90S, 69.22W, h102km, 2km, ML4.3, ISC 29 06:04:16.0, 0.5, 19.93S, 0.03, 69.15W, 0.07, h107km, 4km, h107km, pP-P, n52, r1167/13, mb4.0/5, 2C-4D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB08 IPOC Station P, G001 Chusmiza, G001 Chusmiza, etc.

Table with columns: DBIC, Dimboko, Az, Az', Phase ID, Time, Res. Includes stations like DBIC Dimboko, DBIC ULM, TOAO Torodi Arr, etc.

ISC 29 06:25:34.6, 2.8, 84.215N, 87.28E, h0km, mb1 2.8/2, mb1mx2.7/3.6, mbtmtp2.8/2, ML2.6/2, Error ellipse: s-maj=22.9km s-min=16.2km az=62.0, Southwestern Siberia

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

ISC 29 06:39:02.1, 0.8, 36.86N, 78.66E, h0km, mb3.7/11, mb1 3.9/14, mb1mx3.7/3.4, mbtmtp3.7/14, ML3.3, MS3.1/3, Ms1.3/1/3, ms1mx2.6/4.2, Error ellipse: s-maj=25.2km s-min=13.8km az=54.0

ISCJB 29 06:39:02.4, 0.3, 36.97N, 0.02, 78.99E, 0.05, h17km, mb3.9/13, MS3.2/1, Error ellipse: s-maj=5.3km s-min=3.0km az=179.6

BUI 29 06:39:02.7, 37.00N, 78.80E, h10km, mb3.9/2, ML4.0/8, Ms3.8/1

NNC 29 06:39:02.3, 2.3, 36.99N, 78.92E, h0km, mb4.4, mpv4.1, Error ellipse: s-maj=25.3km s-min=17.6km az=174.0

ISC 29 06:39:04.0, 0.3, 37.09N, 0.03, 78.94E, 0.05, h17km, n58, r2843/63, mb4.0/13, 13C-8D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSH Kashi, SFK Sufi-Kurgan, DHRM DHARASHALA, etc.

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

29d 6h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like WMQ Urumqi, PYUN Piuthan, DANN Dangsing, MAKZ Makanchi, etc.

IDC 29 06:49:14.7-44.0,27.30S-179.64W,h0km,mb3.8/3, mb1 4.0/3,mb1mx3.724,mbtmp3.8/3,Error ellipse: s-maj=797.5km s-min=157.1km az=92.0,Kermadec Islands region

IGL 29 06:50:53.4,38.04N,3.27W,h2km,ML2.8
MDD 29 06:50:55.0,1.38,04N,3.27W,h2km,1km,mbLg2.9/29, Error ellipse: s-maj=1.4km s-min=1.2km az=31.0,PRXIMO

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

2012 DEC

Main table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like ETOB, HORN Hornachuelos, EMAL Malaga-Limoner, etc.

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Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like ERTA, MTE Manteigas, PNCL Nicolau / Gran, etc.

TAP 29 06:51:47.6,24.92N-121.62E,h81km,ML3.5,8C-2D,B,

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like TWA Mucha, TWA Taipei, NWLT Wulai, etc.

YM07	baz=352	eS	Sn	06 52 08.5 -0.4
TWS1	Kuangyingshan baz=305	0.26 315 P	Pn	06 52 00.0 +0.3
TWS1	baz=305	i S	Sn	06 52 09.0 +0.2
YM03	YM03 baz=344	0.27 345 eP	Pn	06 52 00.1 +0.2
YM03	baz=344	eS	Sn	06 52 09.4 +0.4
YM08	YM08 baz=349	0.27 355 eP	Pn	06 51 59.8 0.0
YM08	baz=349	S	Sn	06 52 08.1 -0.9
ENTT	Nioudou baz=193	0.28 189 i/P	Pn	06 52 00.2 +0.3
ENTT	baz=193	eS	Sn	06 52 08.9 -0.1
NTST	Danshui baz=322	0.29 328 eP	Pn	06 52 00.0 +0.1
NTST	baz=322	eS	Sn	06 52 08.8 -0.3
EGS	baz=106	0.29 104 eP	Pn	06 52 00.6 +0.7
EGS	baz=106	S	Sn	06 52 10.1 +1.0
YHNB	Yeheng baz=212	0.33 222 i/P	Pn	06 52 00.3 0.0
YHNB	baz=212	S	Sn	06 52 09.0 -0.7
NSK	Sanguang baz=230	0.34 224 i/P	Pn	06 52 00.3 0.0
NSK	baz=230	i S	Sn	06 52 09.0 -0.7
WLTB	Daxi baz=258	0.34 259 P	Pn	06 52 00.7 +0.5
WLTB	baz=258	i S	Sn	06 52 10.1 +0.5
TWB1	Santiao Chiao baz=76	0.35 75 P	Pn	06 52 00.7 +0.4
TWB1	baz=76	i S	Sn	06 52 09.7 0.0
TWY	Chenhua baz=2.0	0.36 357 eP	Pn	06 52 00.6 +0.2
TWY	baz=2.0	S	Sn	06 52 09.9 +0.2
TWC	Suao baz=146	0.37 146 i P	Pn	06 52 01.0 +0.6
TWC	baz=146	S	Sn	06 52 10.6 +0.6
NCU	National Centr baz=285	0.39 278 P	Pn	06 52 00.9 +0.3
NCU	baz=285	i S	Sn	06 52 10.5 +0.3
NCUH	Zhongli baz=282	0.40 277 P	Pn	06 52 00.9 +0.3
NCUH	baz=282	S	Sn	06 52 10.1 -0.2
ENA	Nanau baz=174	0.50 167 P	Pn	06 52 01.8 +0.3
ENA	baz=174	S	Sn	06 52 12.5 +0.8
NNS	Nan Shan baz=205	0.53 205 i/P	Pn	06 52 02.1 +0.3
NNS	baz=205	S	Sn	06 52 12.7 +0.4
NNSB	Datong baz=204	0.53 204 i P	Pn	06 52 02.1 +0.2
NNSB	baz=204	S	Sn	06 52 12.4 0.0
SBCB	Hsinchu baz=257	0.59 258 eP	Pn	06 52 02.7 +0.5
SBCB	baz=257	S	Sn	06 52 13.1 +0.1
EOS1	EOS1 baz=123	0.59 128 i P	Pn	06 52 03.5 +1.3
EOS1	baz=123	S	Sn	06 52 15.3 +2.2
HSN	Hsinchu baz=260	0.60 259 P	Pn	06 52 02.3 0.0
HSN	baz=260	i S	Sn	06 52 12.8 -0.5
LIOB	Emei baz=243	0.61 244 i/P	Pn	06 52 02.8 +0.3
LIOB	baz=243	S	Sn	06 52 13.4 -0.1
NSTT	Nanjiang baz=242	0.63 243 i/P	Pn	06 52 02.8 +0.2
NSTT	baz=242	i S	Sn	06 52 13.6 -0.2
NACB	Ninganchiao baz=176	0.74 182 i P	Pn	06 52 03.3 -0.5
NACB	baz=176	S	Sn	06 52 15.8 0.0
TWT	Tachien baz=219	0.78 211 i P	Pn	06 52 05.3 +1.0
TWT	baz=219	S	Sn	06 52 17.7 +0.9
TDCB	Techi baz=219	0.78 212 i P	Pn	06 52 05.1 +0.7
TDCB	baz=219	S	Sn	06 52 16.9 0.0
PCYT	Pengchayiu baz=37	0.82 30 eP	Pn	06 52 06.3 +1.7
PCYT	baz=37	eS	Sn	06 52 18.2 +0.9
WHF	Hehuan Shan baz=207	0.83 203 i P	Pn	06 52 06.3 +1.0
WHF	baz=207	i S	Sn	06 52 19.8 +1.5
TWD	Chiawan baz=181	0.84 181 P	Pn	06 52 04.4 -0.4
TWD	baz=181	S	Sn	06 52 17.8 +0.2
NMLH	Miaoili baz=243	0.84 243 eP	Pn	06 52 05.4 +0.5
NMLH	baz=243	S	Sn	06 52 17.9 +0.2
NSY	Sanyi baz=244	0.93 237 eP	Pn	06 52 06.6 +0.7
NSY	baz=244	eS	Sn	06 52 19.9 +0.4
CHGB	Renai baz=213	0.94 205 i P	Pn	06 52 07.5 +1.2
CHGB	baz=213	S	Sn	06 52 21.3 +1.1
PTSB	Yuanli baz=241	0.95 241 eP	Pn	06 52 06.7 +0.5
PTSB	baz=241	eS	Sn	06 52 20.5 +0.5
TWQ1	Liyutan baz=240	0.96 234 eP	Pn	06 52 06.7 +0.5
TWQ1	baz=240	S	Sn	06 52 20.1 +0.1
ENLB	Shoufeng baz=182	1.01 181 eP	Pn	06 52 07.3 +0.4
ENLB	baz=182	eS	Sn	06 52 21.4 +0.2
ESL	Shilin baz=181	1.11 189 P	Pn	06 52 07.1 -1.0
ESL	baz=181	eS	Sn	06 52 22.9 -0.5
TCU	Taichung baz=228	1.15 228 eS	Sn	06 52 25.0 +0.8
SMLT	Sun Moon Lake baz=217	1.22 213 i P	Pn	06 52 10.2 +0.7
SMLT	baz=217	S	Sn	06 52 27.2 +1.2
TYC	Yuch baz=218	1.23 215 i/P	Pn	06 52 10.2 +0.8
TYC	baz=218	S	Sn	06 52 26.7 +0.8
VWDT	VWDT baz=201	1.24 201 P	Pn	06 52 11.0 +1.4
VWDT	baz=201	eS	Sn	06 52 27.4 +1.2
WCHH	Zhanghua baz=250	1.28 229 eS	Sn	06 52 28.1 +1.1
WCHH	baz=250	eP	Pn	06 52 10.9 +0.7
SSLB	Suanguang baz=209	1.28 208 eP	Pn	06 52 28.1 +0.9
SSLB	baz=209	S	Sn	06 52 28.1 +0.9
WNT	Mingjian baz=229	1.34 220 S	Sn	06 52 29.8 +1.3
YOJ	Yonaguni jima baz=106	1.35 109 eP	Pn	06 52 11.8 +0.8
YOJ	baz=106	eS	Sn	06 52 29.3 +0.7

WJS	Zhushan baz=217	1.36 217 S	Sn	06 52 30.1 +1.2
HGSD	Ruisui baz=188	1.43 187 eP	Pn	06 52 12.0 -0.1
HGSD	baz=188	eS	Sn	06 52 31.9 +1.4
EHY	Hungye baz=186	1.43 191 eS	Sn	06 52 29.6 -1.0
RLNB	Erlin baz=229	1.54 229 eP	Pn	06 52 33.3 +0.4
YUS	Yu-Shan baz=213	1.55 203 eP	Pn	06 52 15.1 +1.0
YUS	baz=213	eS	Sn	06 52 36.3 +2.4
YULB	Yu-li baz=185	1.55 191 P	Pn	06 52 12.3 -1.3
YULB	baz=185	eS	Sn	06 52 31.9 -1.4
WGK	Gukeng baz=219	1.56 218 eS	Sn	06 52 35.4 +1.9
CHN5	Tsauling baz=220	1.57 213 P	Pn	06 52 14.8 +0.8
CHN5	baz=220	S	Sn	06 52 35.0 +1.1
WDLH	Douliu baz=220	1.57 219 eP	Pn	06 52 15.6 +1.7
WDLH	baz=220	eS	Sn	06 52 35.0 +1.2
ALS	Alishan baz=208	1.59 208 i P	Pn	06 52 15.2 +0.9
ALS	baz=208	S	Sn	06 52 35.7 +1.1
TWF1	Yuli baz=185	1.59 191 eP	Pn	06 52 13.7 -0.4
TWF1	baz=185	eS	Sn	06 52 33.2 -1.0
PTTC	Pingtang baz=288	1.77 289 eP	Pn	06 52 15.8 -0.6
CHY	Chiayi baz=218	1.79 218 eS	Sn	06 52 39.5 +0.8
ELDTW	Lida baz=189	1.81 198 eP	Pn	06 52 17.8 +0.7
ELDTW	baz=189	eS	Sn	06 52 40.5 +1.0
CHN4	Tsauhuan baz=211	1.82 211 eP	Pn	06 52 18.1 +1.0
CHN4	baz=211	eS	Sn	06 52 41.9 +2.3
TPUB	Ta-pu baz=210	1.85 209 eP	Pn	06 52 18.3 +0.8
TPUB	baz=210	eS	Sn	06 52 41.3 +1.1
WTP	Ta-pu baz=209	1.90 209 eP	Pn	06 52 19.3 +1.0
WTP	baz=209	eS	Sn	06 52 43.1 +1.6
TWK	Hsiinying baz=212	1.94 212 eP	Pn	06 52 19.4 +0.7
TWK	baz=212	eS	Sn	06 52 44.1 +1.6
MATB	Ma-tsu baz=305	1.95 309 eP	Pn	06 52 18.0 -0.8
MATB	baz=305	eS	Sn	06 52 39.9 -2.6
WVUC	WVUC baz=271	1.97 273 i P	Pn	06 52 18.6 -0.5
CHN1	Nanshi baz=202	1.99 210 eP	Pn	06 52 20.0 +0.6
CHN1	baz=202	eS	Sn	06 52 44.5 +0.8
SLGT	Liugui baz=206	2.11 205 eP	Pn	06 52 23.9 +2.9
SLGT	baz=206	eS	Sn	06 52 47.7 +1.2
TWG	Pinlang baz=185	2.15 194 eP	Pn	06 52 22.5 +1.0
TWG	baz=185	eS	Sn	06 52 47.9 +0.6
TWGBT	Beinan baz=185	2.15 193 eP	Pn	06 52 22.8 +1.3
TWGBT	baz=185	eS	Sn	06 52 48.5 +1.1
PTMZ	Houxiangcun baz=271	2.27 274 eP	Pn	06 52 22.7 -0.3
PTMZ	baz=271	eS	Sn	06 52 51.1 +0.9
PNG	Penghu baz=235	2.31 235 eP	Pn	06 52 21.8 -1.9
PNG	baz=235	eS	Sn	06 52 50.3 -1.0
LYJJ	Jianjiangzhen baz=310	2.33 315 eP	Pn	06 52 23.2 -0.7
LYJJ	baz=310	eS	Sn	06 52 49.6 -2.2
PHUB	Pe-hu baz=234	2.33 234 eP	Pn	06 52 23.9 0.0
PHUB	baz=234	eS	Sn	06 52 50.4 -1.4
XPSS	Dashiqu baz=323	2.38 328 eP	Pn	06 52 23.5 -1.1
XPSS	baz=323	eS	Sn	06 52 50.4 -2.5
WDGT	Dungji baz=266	2.43 228 eS	Sn	06 52 53.9 -0.4
MASBT	Mashibuluo baz=210	2.47 202 eP	Pn	06 52 26.5 +0.8
MASBT	baz=210	eS	Sn	06 52 55.9 +0.9
VCHM	Qimei baz=231	2.63 230 eS	Sn	06 52 58.0 -0.8
LAY	Lan-yu baz=175	2.87 181 eP	Pn	06 52 31.9 +0.7
KNMB	Chin-men Tao baz=261	2.97 262 eP	Pn	06 52 32.0 -0.5
AXDP	Jialang baz=268	3.31 270 eP	Pn	06 52 37.1 0.0

MDD 29 06:52:36.9:0.3, 38.04N:3.27W, h2km, 2km, mblg1.8/9, Error ellipse: s-maj=2.8km s-min=1.5km az=31.0, PRXIMO, Spain

Code	Station Name	Δ° AZ'	Phase ID	Time Res
EQES	Quesada	0.28 146	Op Pg	06 52 41.9 -0.3
EQES	29nm, 0.3s, SNR=7.9	Lg	Lg	06 52 46.2
SESP	Santiago Espad	0.58 81	Pg	06 52 47.7 -0.2
SESP	20nm, 0.2s, SNR=7.9	Lg	Lg	06 52 55.5
GORA	Gorafe	0.58 162	Lg	06 52 56.9
GORA	20nm, 0.2s, SNR=7.9	Lg	Lg	06 52 53.3 +0.3
EQUE	Quentar	0.84 189	Pg	06 52 00.4
EQUE	3.3nm, 0.1s, SNR=4.0	Lg	Lg	06 52 55.5 -1.2
EADA	Adamuz	1.04 278	Pg	06 53 09.6
EADA	19nm, 0.2s, SNR=7.9	Lg	Lg	06 53 18.5
EBER	Berja	1.18 165	Lg	06 53 23.7
EBER	11nm, 0.2s, SNR=7.9	Lg	Lg	06 53 28.8
ETOB	Tobarra	1.62 96	Lg	06 53 29.6
ETOB	5.3nm, 0.2s, SNR=7.9	Lg	Lg	06 53 29.6
EMUR	La Murta	1.70 272	Lg	06 53 29.6
EMUR	7.8nm, 0.4s, SNR=7.9	Lg	Lg	06 53 29.6
ECAB	El Cabril	1.70 272	Lg	06 53 29.6
ECAB	2.5nm, 0.2s, SNR=7.9	Lg	Lg	06 53 29.6

MDD 29 06:53:18.4:0.1, 38.04N:3.27W, h2km, 1km, mblg2.8/29, Error ellipse: s-maj=1.5km s-min=1.2km az=39.0, PRXIMO

Code	Station Name	Δ° AZ'	Phase ID	Time Res
EQES	Quesada	0.26 142	Op Pg	06 53 23.5 -0.5
EQES	185nm, 0.4s, SNR=18	Lg	Lg	06 53 23.5 -0.5

EQES	164nm, 0.2s	Lg	Lg	06 53 27.8
GORA	Gorafe	0.56 161	Pg	Pb 06 53 29.9 +0.1
GORA	SNR=7.9	Lg	Lg	06 53 37.8
SESP	Santiago Espad	0.59 79	Pg	Pg 06 53 29.2 -0.6
SESP	108nm, 0.2s, SNR=7.9	Lg	Lg	06 53 37.2
SESP	413nm, 0.2s, SNR=7.9	Lg	Lg	06 53 37.2
SESP	Santiago Espad	0.59 79	Pg	Pb 06 53 33.3 +1.1
SESP	SESP	0.59 79	S	Pb 06 53 41.8 +0.2
EQUE	Quentar	0.81 189	Pg	Pb 06 53 34.5 +0.4
EQUE	24nm, 0.3s, SNR=8.4	Lg	Lg	06 53 45.4
EQUE	30nm, 0.2s, SNR=7.9	Lg	Lg	06 53 45.4
EADA	Adamuz	1.04 279	Pg	Pb 06 53 37.1 -0.9
EADA	SNR=7.9	Lg	Lg	06 53 51.0
EGOR	Sierra Gorda,	1.12 217	Pg	Pn 06 53 39.6 +0.1
EGOR	SNR=7.9	Lg	Lg	06 53 55.9
EGOR	45nm, 0.3s, SNR=7.9	Lg	Lg	06 53 55.9
EBER	Berja	1.15 164	Pg	Pg 06 53 41.7 +1.2
EBER	19nm, 0.3s, SNR=7.0	Lg	Lg	06 53 58.4
ELGU	Los Guajares,	1.17 194	Pg	Pg 06 53 40.7 -0.2
ELGU	SNR=7.9	Lg	Lg	06 53 58.9
ELGU	69nm, 0.2s, SNR=7.9	Lg	Lg	06 53 58.9
ENJ	Nijar	1.34 140	Pg	Pg 06 53 43.8 -0.3
ENJ	SNR=7.9	Lg	Lg	06 54 02.8
ENJ	57nm, 0.3s, SNR=7.9	Lg	Lg	06 53 46.0 +0.1
ETOB	Tobarra	1.50 64	Pg	Pg 06 53 48.9 +1.8
ETOB	SNR=7.9	Lg	Lg	06 54 05.1
ETOB	20nm, 0.4s, SNR=7.3	Lg	Lg	06 54 05.1
EMAL	Malaga-Limoner	1.55 217	eP	Pb 06 53 47.3 +0.7
EMAL	31nm, 0.1s	eS	Pg	Pb 06 54 09.6 +1.4
HORN	Hornachuelos	1.58 265	P	Pg 06 53 52.7 +4.1
HORN	Hornachuelos	1.58 265	S	Pg 06 54 12.9 +3.8
EMUR	La Murta	1.62 95	Pg	Pb 06 53 48.4 +0.6
EMUR	SNR=7.9	Lg	Lg	06 54 10.2
EMUR	60nm, 0.3s, SNR=5.0	Lg	Lg	06 54 10.2
ECAB	El Cabril	1.69 273	Pn	Pn 06 53 46.8 -0.5

29d 6h

Table with columns: EVO, Station Name, Azimuth, Elevation, SNR, and other parameters for various stations like Evora, Barranco-do-Ve, Messejana, etc.

MDD 29 06:54:55.9.0.1, 38.04N.3.27W, h2km, 1km, mblg3, 1/32, Error ellipse: s-maj=1.5km s-min=1.2km az=42.0, PRXIMO MDD EMS: II-III INTENSIDAD MAXIMA. LDG 29 06:54:56.0.0.1, 38.03N.3.29W, h2km, M2, 9/7, Error ellipse: s-maj=2.2km s-min=1.8km az=130.0 SFS 29 06:54:56.0, 38.04N.3.26W, ML3.0, TORREPEROGIL (JAEN) CNRM 29 06:54:58.2, 37.90N.3.12W, h8km, ML3.5 ISC 29 06:54:54.6.1.0, 38.09N.0.02.3.26W.0.02, h13km, 9km, n12, r145/104, 1D, Spain

Main table for station data, columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC. Includes stations like EQES Quesada, SESP Santiago Espad, GORA Gorate, etc.

2012 DEC

Main table for station data, columns: UCM, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC. Includes stations like ECHER Chera, ESPR Espera, EJIF Jimena Fronter, etc.

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Table for station data, columns: POLO, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC. Includes stations like PMAFR Mafra, IELO Elcoad, ETOS Malorca, etc.

IDC 29 06:57:25.6.1.1, 8.803S.123.69E, h0km, mb3.6/1, mb1 3.8/5, mb1mx3.5/35, mbtmp3.6/5, ML3.6/4, Error ellipse: s-maj=71.3km s-min=22.0km az=74.0, Flores region Code Station Name Az AZZ Op Phase ID Time Res ISC

Table for station data, columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC. Includes stations like BATI Baumata, FITZ Fitzroy Cross, WRA Warramunga Arr, etc.

Main table for station data, columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC. Includes stations like EQES Quesada, SESP Santiago Espad, GORA Gorate, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like JNS Sasagawa, JHK Hiroka, and various other frequencies.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like CN2, TYV Tymovskoe, and various other frequencies.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like XAN, SEY Seymchan, and various other frequencies.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PBKT Sadao Pong, CMMT Chiang Mai, CHTO Chiang Mai, etc.

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MDSI Maura Dua, JBP Jabalpur, MASI Maura Aman, etc.

29d 7h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like NEW Newport, VSU Vasula, SUMG Summit, etc.

2012 DEC

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SIM ELKO, TIN Tinemaha, RLMT Red Lodge, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MORC Moravsky Berou, MORC Moravsky Berou, MORC Dobruska-Polom, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like GRFO Grafenberg, ARSA Arzberg, MOA Molin, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like ALFO Alfred, MTLF Montlieux, EPF Esparrons, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like MK31, MAN 29 07:44:52.6, etc.

29d 7h

Table with columns: MAJO, Matsushiro, 41.03 347, i P, P, 08 03 41.7 -1.8, etc. Lists various stations and their associated data.

2012 DEC

Table with columns: ZAK, BOD, MOY, WMQ, BILL, VYHS, LPAZ, etc. Lists various stations and their associated data.

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Table with columns: YVHS, LPAZ, LAZ, SEUS, TOAO, TOROI, TOROI Ar. Sit, PTGA, DBIC, etc. Lists various stations and their associated data.

YULB	comp=Z,54nm,1.0s	LR	LR						
NACB	comp=Z,10um,22.0s Ninganchiao	38.26	318	eP	P	08 07	03.9	+0.9	
NACB	comp=Z,89nm,1.2s	LR	LR						
UGM	comp=Z,11um,22.0s Wanagama	38.34	262	PFAKE	LR	08 07	20.0	+16	
UGM	comp=Z,4um,20.0s	LR	LR						
TPUB	comp=Z,9um,22.0s Ta-pu	38.35	316	PFAKE	LR	08 07	20.0	+16	
TPUB	comp=Z,9um,22.0s	LR	LR						
SSLB	comp=Z,11um,21.0s Suanglung	38.44	316	PFAKE	LR	08 07	20.0	+15	
SSLB	comp=Z,11um,21.0s	LR	LR						
GIRL	comp=Z,11um,21.0s Giralia	38.48	237	PFAKE	LR	08 07	20.0	+15	
GIRL	comp=Z,11um,21.0s	LR	LR						
YHNB	comp=Z,302nm,1.4s Yeheng	38.74	318	eP	P	08 07	10.0	+2.9	
YHNB	comp=Z,10um,21.0s	LR	LR						
KSM	comp=Z,116nm,1.6s Kuching	38.83	277	eP	P	08 07	08.6	+0.6	
KSM	comp=Z,116nm,1.6s	LR	LR						
TATO	comp=Z,1um,18.0s Taipei	38.88	318	eP	P	08 07	10.4	+2.3	
TATO	comp=Z,229nm,1.3s	LR	LR						
Ouz	comp=Z,13um,21.0s Omahuta	38.95	147	eP	P	08 07	14.2	+5.5	
Ouz	comp=Z,37nm,1.2s	LR	LR						
TAU	comp=Z,16um,22.0s Tasmania Unive	39.18	182	PFAKE	LR	08 07	20.0	+10	
TAU	comp=Z,20um,19.0s	LR	LR						
KNTN	comp=Z,8um,20.0s Kanton	39.40	90	PFAKE	LR	08 07	20.0	+7.3	
KNTN	comp=Z,8um,20.0s	LR	LR						
MORW	comp=Z,15um,20.0s Morawa	40.13	227	PFAKE	LR	08 07	30.0	+11	
MORW	comp=Z,15um,20.0s	LR	LR						
JNU	comp=Z,103nm,1.0s Nakatsue	40.27	336	eP	P	08 07	20.7	+1.0	
JNU	comp=Z,4um,18.0s	LR	LR						
INU	comp=Z,130nm,1.9s Inuyama	40.29	345	eP	P	08 07	19.3	-0.4	
INU	comp=Z,9um,22.0s	LR	LR						
RAO	comp=Z,8um,21.0s Raoul Island	40.57	133	PFAKE	LR	08 07	30.0	+7.8	
RAO	comp=Z,8um,21.0s	LR	LR						
CISI	comp=Z,4um,22.0s Cisompet, Garu	41.00	263	PFAKE	LR	08 07	40.0	+14	
CISI	comp=Z,4um,22.0s	LR	LR						
MAJO	comp=Z,109nm,1.8s Matsushiro	41.14	347	eP	P	08 07	28.0	+1.2	
MAJO	comp=Z,7um,19.0s	LR	LR						
MAT	comp=Z,7um,19.0s Matsushiro	41.14	347	P	P	08 07	23.1	-3.7	
MJB9	comp=Z,109nm,1.8s Matsu-Tunnel	41.14	347	PFAKE	LR	08 07	40.0	+13	
MJB9	comp=Z,7um,19.0s	LR	LR						
NWAO	comp=Z,11um,21.0s Narogin (SRO)	41.53	222	PFAKE	LR	08 07	40.0	+10	
NWAO	comp=Z,16um,21.0s	LR	LR						
HIZ	comp=Z,10um,19.0s Haiti	42.09	149	PFAKE	LR	08 07	50.0	+15	
HIZ	comp=Z,10um,19.0s	LR	LR						
URZ	comp=Z,2um,20.0s Urewera	43.09	147	PFAKE	LR	08 07	50.0	+7.3	
URZ	comp=Z,2um,20.0s	LR	LR						
MXZ	comp=Z,10um,21.0s Matakaoa Point	43.27	145	PFAKE	LR	08 08	00.0	+16	
MXZ	comp=Z,10um,21.0s	LR	LR						
BKZ	comp=Z,10um,21.0s Black Stump Fm	43.42	148	PFAKE	LR	08 08	00.0	+15	
BKZ	comp=Z,10um,21.0s	LR	LR						
THZ	comp=Z,8um,20.0s Tophouse	43.70	154	PFAKE	LR	08 08	00.0	+12	
THZ	comp=Z,8um,20.0s	LR	LR						
FOZ	comp=Z,7um,19.0s Fox Glacier	43.91	158	PFAKE	LR	08 08	00.0	+11	
FOZ	comp=Z,7um,19.0s	LR	LR						
SNZO	comp=Z,17um,20.0s South Karori	44.16	152	PFAKE	LR	08 08	00.0	+8.8	
SNZO	comp=Z,17um,20.0s	LR	LR						
LTZ	comp=Z,15um,22.0s Lake Taylor	44.26	155	PFAKE	LR	08 08	00.0	+7.9	
LTZ	comp=Z,15um,22.0s	LR	LR						
BFZ	comp=Z,21um,20.0s Birch Farm	44.43	150	PFAKE	LR	08 08	00.0	+6.6	
BFZ	comp=Z,21um,20.0s	LR	LR						
QIZ	comp=Z,213nm,1.3s Qiongzong	44.46	302	eP	P	08 07	55.3	+1.3	
QIZ	comp=Z,5um,19.0s	LR	LR						
KHZ	comp=Z,14um,19.0s Kahutara	44.51	154	PFAKE	LR	08 08	10.0	+16	
KHZ	comp=Z,14um,19.0s	LR	LR						
RPZ	comp=Z,13um,19.0s Rata Peaks	44.54	157	PFAKE	LR	08 08	10.0	+16	
RPZ	comp=Z,13um,19.0s	LR	LR						
OXZ	comp=Z,14um,21.0s Oxford	44.61	156	PFAKE	LR	08 08	10.0	+15	
OXZ	comp=Z,14um,21.0s	LR	LR						
WKZ	comp=Z,5um,18.0s Wanaka	44.74	160	PFAKE	LR	08 08	10.0	+14	
WKZ	comp=Z,5um,18.0s	LR	LR						
LBZ	comp=Z,9um,21.0s Lake Benmore	44.78	158	PFAKE	LR	08 08	10.0	+14	
LBZ	comp=Z,9um,21.0s	LR	LR						
MLZ	comp=Z,8um,20.0s Mavora Lakes	44.91	161	PFAKE	LR	08 08	10.0	+13	
MLZ	comp=Z,8um,20.0s	LR	LR						
CRLZ	comp=Z,12um,22.0s Canterbury Las	45.05	156	PFAKE	LR	08 08	10.0	+12	
CRLZ	comp=Z,12um,22.0s	LR	LR						
PYZ	comp=Z,4um,18.0s Puysegur Point	45.17	163	PFAKE	LR	08 08	10.0	+11	
PYZ	comp=Z,4um,18.0s	LR	LR						
MQZ	comp=Z,11um,22.0s McQueen's Vall	45.18	156	PFAKE	LR	08 08	10.0	+11	
MQZ	comp=Z,11um,22.0s	LR	LR						
KS01	comp=Z,3um,21.0s Wonju Arrng Si	45.26	336	eP	P	08 07	58.5	-1.6	
KS01	comp=Z,3um,21.0s	LR	LR						
MYKOM	comp=Z,7um,20.0s Kota Tinggi	45.27	276	eP	P	08 08	10.0	+9.4	
MYKOM	comp=Z,7um,20.0s	LR	LR						
WHZ	comp=Z,3um,21.0s Wether Hill Ro	45.32	161	PFAKE	LR	08 08	10.0	+10	
WHZ	comp=Z,3um,21.0s	LR	LR						
ODZ	comp=Z,7um,20.0s Otahua Downs	45.51	158	PFAKE	LR	08 08	10.0	+8.0	
ODZ	comp=Z,7um,20.0s	LR	LR						
ERM	comp=Z,8um,19.0s Ermo	45.68	354	PFAKE	LR	08 08	10.0	+6.7	
ERM	comp=Z,8um,19.0s	LR	LR						
MNAI	comp=Z,2um,22.0s Manna	45.77	267	PFAKE	LR	08 08	20.0	+15	
MNAI	comp=Z,2um,22.0s	LR	LR						
WHN	comp=Z,17um,21.2s Wuhan	47.82	318	eP	P	08 08	09.8	-6.3	
WHN	comp=Z,17um,21.2s	LR	LR						
WHN	comp=N,4um,11.0s	LR	LR						
WHN	comp=E,8um,14.4s	LR	LR						
WHN	comp=Z,2um,22.0s	LR	LR						
ASAJ	comp=Z,7um,22.0s Asahikawa	47.82	354	PFAKE	LR	08 08	30.0	+10	
ASAJ	comp=Z,7um,22.0s	LR	LR						
BKNI	comp=Z,3um,21.0s Bangkinang	47.92	274	PFAKE	LR	08 08	30.0	+8.6	
BKNI	comp=Z,3um,21.0s	LR	LR						
IPM	comp=Z,67nm,1.7s Ipo	48.43	279	eP	P	08 08	26.4	+1.1	
IPM	comp=Z,2um,22.0s	LR	LR						
KULM	comp=Z,42nm,1.4s Kulim	48.93	280	eP	P	08 08	28.4	-0.7	
KULM	comp=Z,3um,20.0s	LR	LR						

DL2	Dalian	49.18	332	P	P	08 08	17.0	-14	
DL2	comp=Z,43nm,1.3s			S	S	08 15	33.0	-2.3	
DL2	comp=Z,230nm,3.5s			pmax	pmax				
DL2	comp=N,3um,22.6s			LR	LR				
DL2	comp=E,5um,18.8s			LR	LR				
DL2	comp=Z,8um,24.7s			LR	LR				
USA0B	Ussuriysk Arra	49.92	344	eP	P	08 08	36.2	+0.1	
PSI	comp=Z,25nm,1.1s Prapat	50.28	277	eP	P	08 08	39.1	-0.5	
PSI	comp=Z,51nm,1.4s	LR	LR						
YSS	comp=Z,3um,21.0s Yuzh-Sakhalins	50.61	355	eP	P	08 08	42.6	+1.3	
YSS	comp=Z,33nm,1.0s	LR	LR						
SNY	comp=Z,4um,21.0s Shenyang	50.70	336	eP	P	08 08	27.5	-15	
SNY	comp=Z,4um,21.0s	LR	LR						
SNY	comp=Z,21nm,2.0s			S	S	08 15	54.0	-2.5	
SNY	comp=Z,510nm,4.9s			SS	SS	08 19	41.0	+10	
SNY	comp=N,3um,25.5s			pmax	pmax				
SNY	comp=E,3um,26.5s			LR	LR				
SNY	comp=Z,9um,30.4s			LR	LR				
MDJ	comp=Z,18nm,1.0s Mudanjiang	50.99	342	eP	P	08 08	43.5	-0.7	
MDJ	comp=Z,840nm,6.9s			pP	pP	08 08	46.8	-3.5	
MDJ	comp=Z,4um,27.9s			pmax	pmax				
MDJ	comp=Z,2um,32.7s			LR	LR				
MDJ	comp=Z,9um,27.1s			LR	LR				
MDJ	comp=Z,67nm,1.5s			LR	LR				
MDJ	comp=Z,4um,21.0s			LR	LR				
PBKT	comp=Z,106nm,1.6s Sadao Pong	51.35	294	eP	P	08 08	49.5	+2.1	
MCQ	comp=Z,106nm,1.6s Macquarie Isla	51.42	172	PFAKE	LR	08 09	00.0	+13	
MCQ	comp=Z,2um,20.0s			LR	LR				
GSJ	comp=Z,3um,22.0s Gunungsitoli	51.46	275	PFAKE	LR	08 09	00.0	+12	
GSJ	comp=Z,3um,22.0s	LR	LR						
LHMI	comp=Z,328nm,1.5s Lhok Sumawe	52.56	279	eP	P	08 08	57.3	+0.8	
LHMI	comp=Z,109nm,1.9s								

KNK	LR	LR			
IM3	comp=2.4um,22.0s	80.61	20	eP	P
TRF	Indian Mountain	80.64	23	eP	P
BPBW	Thorofare Moun	80.67	23	eP	P
SML	Bear Paw Mtn.	80.70	25	eP	P
SML	Sawmill	80.70	25	eP	P
FRU1	comp=2.4um,22.0s	80.92	314	eP	P
FRU1	Bishkek	80.92	314	eP	P
AAK	comp=2.2um,22.0s	80.97	314	eP	P
AAK	Ala-Archa	80.97	314	eP	P
SFK	comp=2.3um,21.0s	81.12	311	eP	P
SFK	Sufi-Kurgan	81.12	311	eP	P
SCM	comp=2.1um,21.0s	81.14	26	PFAKE	LR
SCM	Sheep Creek Mo	81.14	26	PFAKE	LR
RND	comp=2.4um,21.0s	81.19	24	eP	P
RND	Reindeer	81.19	24	eP	P
MLY	comp=2.29nm,0.9s	81.21	22	eP	P
MLY	Arslanbob	81.21	22	eP	P
DIV	comp=2.3um,22.0s	81.53	26	eP	P
DIV	Divide	81.53	26	eP	P
DHY	comp=2.179nm,2.0s	81.65	24	eP	P
DHY	Denali Highway	81.65	24	eP	P
ARSB	comp=2.109nm,1.9s	81.78	312	eP	P
ARSB	Arslanbob	81.78	312	eP	P
HMT	comp=2.1um,18.0s	81.91	28	PFAKE	LR
HMT	Hamilton	81.91	28	PFAKE	LR
WRH	comp=2.4um,21.0s	81.97	23	eP	P
WRH	Wood River Hill	81.97	23	eP	P
BMRM	comp=2.32nm,1.1s	81.99	27	PFAKE	LR
BMRM	Bremner River	81.99	27	PFAKE	LR
MDM	comp=2.3um,20.0s	82.13	22	eP	P
MDM	Murphy Dome	82.13	22	eP	P
COLA	comp=2.16nm,1.2s	82.23	23	eP	P
COLA	College	82.23	23	eP	P
HARP	comp=2.22nm,0.9s	82.31	25	PFAKE	LR
HARP	HAARP	82.31	25	PFAKE	LR
HDA	comp=2.4um,21.0s	82.39	23	eP	P
HDA	Harding Lake	82.39	23	eP	P
PAX	comp=2.9.5nm,1.0s	82.39	25	PFAKE	LR
PAX	Paxson	82.39	25	PFAKE	LR
COLD	comp=2.2um,20.0s	82.46	20	eP	P
COLD	Coldfoot	82.46	20	eP	P
IL1	comp=2.10.0nm,1.2s	82.56	23	eP	P
IL1	Eielson Array	82.56	23	eP	P
ILB	comp=2.9.5nm,1.0s	82.56	23	eP	P
ILB	Eielson Array	82.56	23	eP	P
RIDG	comp=2.32nm,1.2s	82.96	24	eP	P
RIDG	Independence Rid	82.96	24	eP	P
DOT	comp=2.4um,21.0s	83.25	24	eP	P
DOT	Dot Lake	83.25	24	eP	P
SCRK	comp=2.25nm,1.0s	83.40	24	eP	P
SCRK	Sand Creek	83.40	24	eP	P
KBL	comp=2.17nm,1.2s	83.63	305	eP	P
KBL	Kabul	83.63	305	eP	P
FYU	comp=2.30nm,1.3s	83.93	22	PFAKE	LR
FYU	Fort Yukon	83.93	22	PFAKE	LR
KK31	comp=2.2um,20.0s	83.93	314	eP	P
KK31	Karatay Array	83.93	314	eP	P
MAW	comp=2.25nm,1.0s	85.16	203	eP	P
MAW	Mawson	85.16	203	eP	P
HYT	comp=2.6.8nm,1.2s	85.22	28	eP	P
HYT	Haines Junctio	85.22	28	eP	P
DAWY	comp=2.100nm,1.9s	85.33	25	eP	P
DAWY	Dawson	85.33	25	eP	P
BRVK	comp=2.56nm,1.5s	85.98	324	eP	P
BRVK	Borovoye	85.98	324	eP	P
DIB	comp=2.17nm,1.0s	86.10	36	eP	P
DIB	Dawson Inlet	86.10	36	eP	P
QSPA	comp=2.274nm,1.7s	86.36	180	PFAKE	LR
QSPA	South Pole Qui	86.36	180	PFAKE	LR
EPYK	comp=2.3um,20.0s	87.08	23	eP	P
EPYK	Eagle Plains	87.08	23	eP	P
INK	comp=2.91nm,1.5s	88.76	21	eP	P
INK	Inuvik	88.76	21	eP	P
MRIV	comp=2.30nm,1.4s	90.02	250	PFAKE	LR
MRIV	Mauritius Mete	90.02	250	PFAKE	LR
KCPM	comp=2.900nm,22.0s	90.41	50	PFAKE	LR
KCPM	Cahto Peak	90.41	50	PFAKE	LR
HOPS	comp=2.6um,19.0s	90.75	51	PFAKE	LR
HOPS	Hopland Field	90.75	51	PFAKE	LR
MCCM	comp=2.5um,21.0s	90.85	52	PFAKE	LR
MCCM	Marconi Conter	90.85	52	PFAKE	LR
GDXM	comp=2.5um,20.0s	90.96	51	PFAKE	LR
GDXM	Geysers	90.96	51	PFAKE	LR
HUMO	comp=2.7um,21.0s	91.09	48	PFAKE	LR
HUMO	Hull Mountain	91.09	48	PFAKE	LR
YBH	comp=2.4um,18.0s	91.21	48	PFAKE	LR
YBH	Yreka Blue Hor	91.21	48	PFAKE	LR
WDC	comp=2.7um,22.0s	91.27	50	PFAKE	LR
WDC	Whiskeytown Da	91.27	50	PFAKE	LR
H04A	comp=2.6um,21.0s	91.77	46	PFAKE	LR
H04A	Detroit Lake	91.77	46	PFAKE	LR
SAO	comp=2.4um,20.0s	91.90	53	PFAKE	LR
SAO	San Andreas Ge	91.90	53	PFAKE	LR
ABKR	comp=2.3um,18.0s	91.96	319	eP	P
ABKR	Akbulak array	91.96	319	eP	P
ORV	comp=2.4um,22.0s	92.00	51	PFAKE	LR
ORV	Oroville	92.00	51	PFAKE	LR
AFDM	comp=2.4um,22.0s	92.39	51	PFAKE	LR
AFDM	Forest Hills D	92.39	51	PFAKE	LR
GYA0B	comp=2.4um,22.0s	92.74	308	eP	P
GYA0B	ALIBECK ARRAY	92.74	308	eP	P
CMB	comp=2.9.8nm,1.0s	92.80	52	PFAKE	LR
CMB	Columbia Colle	92.80	52	PFAKE	LR
BEKR	comp=2.4um,21.0s	92.90	50	PFAKE	LR
BEKR	Beckworth	92.90	50	PFAKE	LR
G06A	comp=2.5um,22.0s	92.90	45	PFAKE	LR
G06A	Carlson Farm,	92.90	45	PFAKE	LR
MOD	comp=2.4um,20.0s	93.02	48	eP	P
MOD	Modoc Plateau	93.02	48	eP	P
ARU	comp=2.83nm,1.8s	93.11	326	eP	P
ARU	Arti	93.11	326	eP	P
WAKR	comp=2.16um,22.0s	93.57	52	PFAKE	LR
WAKR	Walker	93.57	52	PFAKE	LR
I07A	comp=2.5um,22.0s	93.67	46	PFAKE	LR
I07A	Ize	93.67	46	PFAKE	LR
YERR	comp=2.2um,20.0s	93.73	51	eP	P
YERR	Yerington	93.73	51	eP	P
UOSS	comp=2.27nm,1.6s	93.88	295	PFAKE	LR
UOSS	Minazif	93.88	295	PFAKE	LR

G08A	Pilot Rock	94.08	45	PFAKE	LR
G08A	G08A	94.08	45	PFAKE	LR
ISA	comp=2.4um,20.0s	94.26	55	eP	P
ISA	Isabella, Lake	94.26	55	eP	P
WVOR	comp=2.5um,1.3s	94.27	48	eP	P
WVOR	Wild Horse Val	94.27	48	eP	P
RYN	comp=2.4um,22.0s	94.29	52	eP	P
RYN	Ryan	94.29	52	eP	P
J08A	comp=2.5um,20.0s	94.40	47	PFAKE	LR
J08A	Circle Bar Ran	94.40	47	PFAKE	LR
PASC	comp=2.3um,20.0s	94.47	56	eP	P
PASC	Pasadena Art C	94.47	56	eP	P
PASC	comp=2.9.3nm,1.0s	94.47	56	eP	P
PASC	Pasadena Art C	94.47	56	eP	P
MWC	comp=2.2um,21.0s	94.57	56	eP	P
MWC	Mount Wilson	94.57	56	eP	P
MWC	comp=2.15nm,1.0s	94.57	56	eP	P
MWC	Mount Wilson	94.57	56	eP	P
NV11	comp=2.3um,22.0s	94.57	52	eP	P
NV11	Mina Array Sit	94.57	52	eP	P
KVN	comp=2.17nm,1.7s	94.62	51	eP	P
KVN	Kaiserville	94.62	51	eP	P
KVN	comp=2.7.4nm,1.2s	94.62	51	eP	P
KVN	Kaiserville	94.62	51	eP	P
E09A	comp=2.4um,21.0s	94.67	44	eP	P
E09A	Wood Farm, Sta	94.67	44	eP	P
BMO	comp=2.25nm,1.4s	95.25	45	eP	P
BMO	Blue Mountains	95.25	45	eP	P
F10A	comp=2.12nm,1.4s	95.30	44	PFAKE	LR
F10A	Beach Ranch, E	95.30	44	PFAKE	LR
F10A	comp=2.3um,20.0s	95.30	44	PFAKE	LR
F10A	Beach Ranch, E	95.30	44	PFAKE	LR
BMN	comp=2.4um,21.0s	95.31	50	PFAKE	LR
BMN	Battle Mountai	95.31	50	PFAKE	LR
CPE	comp=2.4um,21.0s	95.34	57	PFAKE	LR
CPE	Camp Elliot	95.34	57	PFAKE	LR
GSC	comp=2.4um,22.0s	95.62	55	PFAKE	LR
GSC	Goldstone, Bar	95.62	55	PFAKE	LR
GSC	comp=2.3um,22.0s	95.62	55	PFAKE	LR
GSC	Goldstone, Bar	95.62	55	PFAKE	LR
BAR	comp=2.5um,22.0s	95.71	58	PFAKE	LR
BAR	Barrett	95.71	58	PFAKE	LR
PFO	comp=2.7.4nm,1.0s	95.89	57	eP	P
PFO	Pinyon Flats O	95.89	57	eP	P
PFO	comp=2.7.4nm,1.0s	95.89	57	eP	P
PFO	Pinyon Flats O	95.89	57	eP	P
XPFO	comp=2.4um,21.0s	95.90	57	eP	P
XPFO	Pizon Flat	95.90	57	eP	P
XPFO	comp=2.8.5nm,1.0s	95.90	57	eP	P
XPFO	Pizon Flat	95.90	57	eP	P
YKBS	comp=2.7um,21.0s	96.20	28	eP	P
YKBS	Yellowknife Ar	96.20	28	eP	P
MFID	comp=2.4um,21.0s	96.33	47	PFAKE	LR
MFID	Camas Ranch	96.33	47	PFAKE	LR
MFID	comp=2.4um,21.0s	96.33	47	PFAKE	LR
MFID	Camas Ranch	96.33	47	PFAKE	LR
R11A	comp=2.4um,20.0s	96.59	52	PFAKE	LR
R11A	Troy Canyon, C	96.59	52	PFAKE	LR
R11A	comp=2.4um,20.0s	96.59	52	PFAKE	LR
R11A	Troy Canyon, C	96.59	52	PFAKE	LR
ELK	comp=2.4um,21.0s	96.82	50	PFAKE	LR
ELK	Elko	96.82	50	PFAKE	LR
SHPR	comp=2.4um,21.0s	96.95	54	PFAKE	LR
SHPR	Sheep Range	96.95	54	PFAKE	LR
SHPR	comp=2.4um,20.0s	96.95	54	PFAKE	LR
SHPR	Sheep Range	96.95	54	PFAKE	LR
LDFC	comp=2.2um,20.0s	97.01	55	PFAKE	LR
LDFC	Landfair	97.01	55	PFAKE	LR
LDFC	comp=2.2um,20.0s	97.01	55	PFAKE	LR
LDFC	Landfair	97.01	55	PFAKE	LR
GLA	comp=2.2um,20.0s	97.26	57	PFAKE	LR
GLA	Glamis	97.26	57	PFAKE	LR
GLA	comp=2.3um,20.0s	97.36	47	PFAKE	LR
GLA	Hailey	97.36	47	PFAKE	LR
HLID	comp=2.4um,20.0s	97.51	57	PFAKE	LR
HLID	Blythe	97.51	57	PFAKE	LR
Y12C	comp=2.2um,20.0s	97.95	52	PFAKE	LR
Y12C	Pine Spring	97.95	52	PFAKE	LR
PSUT	comp=2.4um,21.0s	98.01	55		

UNM UNM	Universidad Na	111.93	71	PFAKE LR	08 18 30.0
WHTX WHTX	Lake Whitney,	111.95	57	PFAKE LR	08 18 30.0
435B 435B	Jarrell	112.05	58	PFAKE LR	08 18 30.0
ANTO ANTO	Ankara	112.14	312	PFAKE LR	08 18 30.0
TUL1 TUL1	Leonard	112.56	53	PFAKE LR	08 18 30.0
TLIG TLIG	Tlapa	112.62	73	PFAKE LR	08 18 30.0
E38A E38A	The Farm, Brul	112.65	41	PFAKE LR	08 18 30.0
CSS CSS	Mathiatis	112.85	306	PFAKE LR	08 18 30.0
I39A I39A	Houston	113.58	43	PFAKE LR	08 18 30.0
TIRR TIRR	Tirgusor	113.91	318	PFAKE LR	08 18 30.0
G40A G40A	Rib Lake	114.00	42	PFAKE LR	08 18 30.0
W39A W39A	Magazine	114.31	53	PFAKE LR	08 18 30.0 +7.3
COWI COWI	Conover	114.39	40	PFAKE LR	08 18 30.0 +7.4
LVIG LVIG	Laguna Verde	114.49	70	PFAKE LR	08 18 30.0 +6.6
F41A F41A	Three Lakes	114.55	41	PFAKE LR	08 18 30.0 +7.1
H41A H41A	Junction City	114.59	42	PFAKE LR	08 18 30.0 +7.0
MIAR MIAR	Mount Ida	114.63	54	PFAKE LR	08 18 30.0 +6.7
I41A I41A	Arkdale	114.64	43	PFAKE LR	08 18 30.0 +6.9
JFWS JFWS	Jewell Farm	114.77	44	PFAKE LR	08 18 30.0 +6.6
N41A N41A	Harden Midland	115.05	46	PFAKE LR	08 18 40.0 +16
GO09 GO09	Cerro Castillo	115.06	153	PFAKE LR	08 18 40.0 +16
MLR MLR	Muntele Rosu	115.17	319	PFAKE LR	08 18 40.0 +16
G42A G42A	Mountain	115.17	41	PFAKE LR	08 18 40.0 +16
WLAR WLAR	White Oak Lake	115.20	54	PFAKE LR	08 18 40.0 +16
X40A X40A	Basin Creek Fa	115.24	53	PFAKE LR	08 18 40.0 +16
I42A I42A	Draeger Farm,	115.34	43	PFAKE LR	08 18 40.0 +16
H42A H42A	Shiocton	115.38	42	PFAKE LR	08 18 40.0 +16
KWP KWP	Kalwaria Pacia	115.45	324	PFAKE LR	08 18 40.0 +16
WHAR WHAR	Wooly Hollow	115.47	53	PFAKE LR	08 18 40.0 +15
W41B W41B	Gary Mavity, V	115.54	53	PFAKE LR	08 18 40.0 +15
CCM CCM	Cathedral Cave	115.55	49	PFAKE LR	08 18 40.0 +15
Z41A Z41A	Richland Creek	115.55	55	PFAKE LR	08 18 40.0 +15
UALR UALR	University of	115.56	53	PFAKE LR	08 18 40.0 +15
G43A G43A	Wallace	115.65	41	PFAKE LR	08 18 40.0 +15
P42A P42A	Winchester	115.77	47	PFAKE LR	08 18 40.0 +15
H43A H43A	Windswept, Lux	115.90	42	PFAKE LR	08 18 40.0 +15
SLM SLM	Saint Louis	116.13	48	PFAKE LR	08 18 40.0 +14
HDIL HDIL	Hopedale	116.22	46	PFAKE LR	08 18 40.0 +14
X43A X43A	Marvell	116.79	53	PFAKE LR	08 18 40.0 +13
Q44A Q44A	Meyer Farm, Va	116.96	48	PFAKE LR	08 18 40.0 +12
SIUC SIUC	Southern Illin	117.18	49	PFAKE LR	08 18 40.0 +12
PVMO PVMO	Portageville	117.20	51	PFAKE LR	08 18 40.0 +12
KARP KARP	Karpathos	117.60	308	PFAKE LR	08 18 40.0 +11
P45A P45A	Graceland, Par	117.69	47	PFAKE LR	08 18 40.0 +11
T45A T45A	Paducah	117.83	50	PFAKE LR	08 18 40.0 +11
PSZ PSZ	Piszkesteto	117.90	324	PFAKE LR	08 18 40.0 +11
OKC OKC	Ostrava-Krasne	117.95	326	AMS AMS	09 08 50.0
OXF OXF	Oxford	117.96	53	PFAKE LR	08 18 40.0 +10
MBAR MBAR	Mbarara	117.99	267	PFAKE LR	08 18 40.0 +9.4
Z45A Z45A	Winona	118.05	54	PFAKE LR	08 18 40.0 +10
VTS VTS	Vitosha	118.11	317	PFAKE LR	08 18 40.0 +10
USIN USIN	University of	118.26	48	PFAKE LR	08 18 40.0 +10
MORC MORC	Moravsky Berou	118.31	326	PFAKE LR	08 18 40.0 +10
LSZ LSZ	Lusaka	118.34	251	PFAKE LR	08 18 40.0 +8.9
DPG DPG	Dobruska-Polom	118.67	327	AMS AMS	09 10 20.0
SANT SANT	Santorini	118.67	310	PFAKE LR	08 18 40.0 +8.9

BLO BLO	Bloomington	118.70	47	PFAKE LR	08 18 40.0 +9.0
UPC UPC	Lipice	118.75	328	AMS AMS	09 10 50.0
146A 146A	Union	118.75	55	PFAKE LR	08 18 40.0 +8.7
CCIG CCIG	Comitan	118.85	73	PFAKE LR	08 18 40.0 +7.9
M48A M48A	Edgerton	119.12	44	PFAKE LR	08 18 40.0 +8.2
SUR SUR	Sutherland	119.14	230	PFAKE LR	08 18 40.0 +7.6
WCI WCI	Wyandotte Cave	119.19	48	PFAKE LR	08 18 40.0 +8.0
147A 147A	Livingston	119.38	54	PFAKE LR	08 18 40.0 +7.5
IDI IDI	Anoyia	119.45	309	PFAKE LR	08 18 40.0 +7.3
PVCC PVCC	Panska Ves	119.50	328	AMS AMS	09 09 10.0
AAM AAM	Ann Arbor	119.51	43	PFAKE LR	08 18 40.0 +7.5
DIVS DIVS	Divibare	119.61	320	PFAKE LR	08 18 40.0 +7.2
V48A V48A	Smith Brothers	119.62	51	PFAKE LR	08 18 40.0 +7.1
BRG BRG	Berggiesshubel	119.63	329	ePKP	08 18 32.6 +0.2
TREC TREC	Trest	119.70	327	AMS AMS	09 10 50.0
N49A N49A	Columbus Grove	119.71	44	PFAKE LR	08 18 40.0 +7.1
GOPC GOPC	GO Peeny, Ondr	119.73	328	AMS AMS	09 11 00.0
PRU PRU	Pruince	119.82	328	AMS AMS	09 10 50.0
PRA PRA	Prague	119.83	328	AMS AMS	09 11 20.0
X48A X48A	Hartselle	119.85	52	PFAKE LR	08 18 40.0 +6.6
CLL CLL	Colim	119.85	330	PFAKE LR	08 18 40.0 +7.1
CLL CLL	Colim	119.85	330	ePS ePPS eSS eMv	08 29 48.0 +1.9 08 31 18.0 08 36 12.0 -8.1 08 40 12.0 09 12 00.0
CLL CLL	Edmonton	120.15	49	PFAKE LR	08 18 50.0 +16
M50A M50A	Fremont	120.30	43	PFAKE LR	08 18 50.0 +16
LRAL LRAL	Lakeview Retre	120.31	54	PFAKE LR	08 18 50.0 +16
EFI EFI	East Falkland	120.37	161	PFAKE LR	08 18 50.0 +16
SWET SWET	Sewanee	120.48	51	PFAKE LR	08 18 50.0 +15
Y49A Y49A	Blount Mountai	120.53	53	PFAKE LR	08 18 50.0 +15
MYIG MYIG	Morida	120.57	68	PFAKE LR	08 18 50.0 +15
PAYG PAYG	Puerto Ayora	120.77	93	PFAKE LR	08 18 50.0 +14
NKC NKC	Novy Kostel	120.78	329	AMS AMS	09 10 50.0
KHC KHC	Kasperske Hory	120.83	327	PFAKE LR	08 18 50.0 +15
KHC KHC	Kasperske Hory	120.83	327	AMS AMS	09 11 50.0
TTG TTG	Podgorica	120.83	318	PFAKE LR	08 18 50.0 +15
GEAO GEAO	GERESS Array S	120.93	327	ePKP	08 18 34.7 -0.4
W50A W50A	Signal Mountai	120.96	51	PFAKE LR	08 18 50.0 +14
BLY BLY	Banja Luka	121.08	322	PFAKE LR	08 18 50.0 +15
250A 250A	Grady	121.20	55	PFAKE LR	08 18 50.0 +14
S51A S51A	Beattyville	121.40	47	PFAKE LR	08 18 50.0 +14
V51A V51A	Loudon	121.50	50	PFAKE LR	08 18 50.0 +13
X51A X51A	Calhoun	121.53	51	PFAKE LR	08 18 50.0 +13
O52A O52A	Adamsville	121.67	44	PFAKE LR	08 18 50.0 +13
GRA1 GRA1	Grafenberg Arr	121.73	329	PFAKE LR	08 18 50.0 +13
GRFO GRFO	Grafenberg	121.73	329	PFAKE LR	08 18 50.0 +13
TZTN TZTN	Tazewell	121.84	49	PFAKE LR	08 18 50.0 +13
TKL TKL	Tuckaleechee C	121.99	50	PFAKE LR	08 18 50.0 +13
TEIG TEIG	Tepeich	122.03	68	PFAKE LR	08 18 50.0 +12
V52A V52A	Sevierville	122.06	49	PFAKE LR	08 18 50.0 +12
W52A W52A	Murphy	122.07	50	PFAKE LR	08 18 50.0 +12
HOPE HOPE	Hope Point	122.16	176	PFAKE LR	08 18 50.0 +13
152A 152A	Waverly Hall	122.25	53	PFAKE LR	08 18 50.0 +12
Y52A Y52A	Libburn	122.38	52	PFAKE LR	08 18 50.0 +12
352A 352A	Blakely	122.44	55	PFAKE LR	08 18 50.0 +12
TRI TRI	Trieste	122.64	324	PFAKE LR	08 18 50.0 +12
V53A V53A	Saluda	122.71	49	PFAKE LR	08 18 50.0 +11

BG3 BG3	Lake Jocassee	122.87	50	PFAKE LR	08 18 50.0 +11
253A 253A	Americus	122.91	54	PFAKE LR	08 18 50.0 +11
GOGA GOGA	Godfrey	123.00	52	PFAKE LR	08 18 50.0 +11
453A 453A	Whigham	123.13	55	PFAKE LR	08 18 50.0 +10
GO06 GO06	Curarrehue	123.28	143	PFAKE LR	08 18 50.0 +10
STU STU	Stuttgart	123.35	329	PFAKE LR	08 18 50.0 +10
TIGA TIGA	Titton	123.54	54	PFAKE LR	08 18 50.0 +9.4
154A 154A	Montrose	123.55	53	PFAKE LR	08 18 50.0 +9.5
HODGE HODGE	Hodges	123.66	51	PFAKE LR	08 18 50.0 +9.3
PAUL PAUL	Pauline	123.78	50	PFAKE LR	08 18 50.0 +9.1
BLA BLA	Blacksburg	123.89	47	PFAKE LR	08 18 50.0 +8.9
TIP TIP	Timpagrande	123.98	316	PFAKE LR	08 18 50.0 +8.7
KMSC KMSC	Kings Mountain	124.03	49	PFAKE LR	08 18 50.0 +8.6
FUORN FUORN	Ofenpass-Fuorn	124.11	327	PFAKE LR	08 18 50.0 +8.4
SSPA SSPA	Standing Stone	124.13	42	PFAKE LR	08 18 50.0 +8.6
CUC CUC	Castroccucco	124.25	317	PFAKE LR	08 18 50.0 +8.2
255A 255A	Hazlehurst	124.28	53	PFAKE LR	08 18 50.0 +8.1
JSC JSC	Jenkinsville	124.41	50	PFAKE LR	08 18 50.0 +7.9
555A 555A	Mcalpin	124.46	56	PFAKE LR	08 18 50.0 +7.7
AQU AQU	L'Aquila	124.66	321	PFAKE LR	08 18 50.0 +7.5
ESTN ESTN	Estel	124.68	77	PFAKE LR	08 18 50.0 +6.7
CEL CEL	Celeste	125.00	315	PFAKE LR	08 18 50.0 +6.8
456A 456A	Hilliard	125.04	55	PFAKE LR	08 18 50.0 +6.6
R58B R58B	Mineral	125.38	45	PFAKE LR	08 19 00.0 +16
257A 257A	Skidaway Islan	125.42	53	PFAKE LR	08 19 00.0 +16
VLC VLC	Villacollemand	125.50	324	PFAKE LR	08 19 00.0 +16
NHSC NHSC	New Hope	125.68	51	PFAKE LR	08 19 00.0 +15
957A 957A	Wimauma	125.80	58	PFAKE LR	08 19 00.0 +15
GO05 GO05	HualaeO	125.81	139	PFAKE LR	08 19 00.0 +15
658A 658A	Bunnell	126.09	56	PFAKE LR	08 19 00.0 +15
JTS JTS	JuntasAbangare	126.25	80	PFAKE LR	08 19 00.0 +14
BRNJ BRNJ	Basking Ridge	126.29	40	PFAKE LR	08 19 00.0 +14
DWPF DWPF	Disney Wildern	126.35	58	PFAKE LR	08 19 00.0 +14
ESPN ESPN	Las Esperanzas	126.77	78	PFAKE LR	08 19 00.0 +13
059A 059A	Moore Haven	126.94	59	PFAKE LR	08 19 00.0 +13
TSUM TSUM	Tsumeb	126.98	243	PFAKE LR	08 19 00.0 +12
BNI BNI	Bardonecchia	127.05	327	PFAKE LR	08 19 00.0 +13
HDC HDC	Heredia	127.09	80	PFAKE LR	08 19 00.0 +12
061Z 061Z	Ochoppi	127.45	60	PFAKE LR	08 19 00.0 +12
060A 060A	Indiantown	127.58	58	PFAKE LR	08 19 00.0 +12
TRQA TRQA	Torquist	129.68	148	PFAKE LR	08 19 00.0 +7.8
GO03 GO03	Copiap	131.23	132	PFAKE LR	08 19 10.0 +15
BCIP BCIP	Isla Barro Col	131.35	81	PFAKE LR	08 19 10.0 +14
NNA NNA	Nana	132.03	110	PFAKE LR	08 19 10.0 +13
MTDJ MTDJ	Mount Denham	132.37	69	PFAKE LR	08 19 10.0 +12
OTAV OTAV	Otavalu	132.64	93	ePKP	08 19 02.1 +3.1
GTBY GTBY	Guantanamo Bay	134.21	66	PFAKE LR	08 19 10.0 +8.9
LVC LVC	Limon Verde	134.88	127	PFAKE LR	08 19 10.0 +7.2
PB01 PB01	IPOC Station P	135.18	125	PFAKE LR	08 19 10.0 +6.9
CART CART	Cartagena	136.32	325	PFAKE LR	08 19 20.0 +15
PAB PAB	San Pablo	136.73	329	PFAKE LR	08 19 20.0 +15
ROSC GRTK	El Rosal Grand Turk	136.95	87	ePKP	08 19 05.4 -1.6
SDDR SDDR	Presa de Saban	137.31	62	PFAKE LR	08 19 20.0 +13
LPAZ PESTR	La Paz Estremoz	138.47	119	ePKP	08 19 09.2 -0.8
TAM TAM	Tamanrasset	139.68	302	ePKP	08 19 13.9 +2.5

Table of astronomical observations for 29 days and 9 hours, listing station names, coordinates, and observation times.

Main table of astronomical observations for December 2012, including station names, coordinates, and observation times.

Table of astronomical observations for December 2012, continuing from the previous table, listing station names, coordinates, and observation times.

29d 11h

Table with columns: ENLB, Shoufeng, 0.45 224, Pn, 11 06 38.5 +0.9, etc. Lists various station identifiers and their associated data.

2012 DEC

Table with columns: SBCB, Hsinchu, 1.04 303, Pn, 11 06 46.3 +1.3, etc. Lists various station identifiers and their associated data.

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Table with columns: SCZT, Fangliu, 2.21 214, eP, 11 07 02.8 +1.8, etc. Lists various station identifiers and their associated data.

MEX 29 11:17:49.2±0.3, 13°85'N, 92°08'W, h110km±24km, MD4.2
IDC 29 11:17:53.3±6.3, 13°95'N, 92°35'W, h35km±38km, mb3.3/3,
mb1.3/6.6, mb1mx3.4/30, mbtmp3.3/6, ML3.1/3, Error
ellipse: s-maj=57.6km s-min=16.5km az=15.0
ISC 29 11:17:48.7±1.3, 13.8N, 0.1x92.35W±0.06, h10km, n11,
±2512.17, mb3.7/3, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Lists station codes and their associated data.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, H0S2S Diego Garcia H, H0S3S Diego Garcia H, etc.

SOME 29 11:30:41.3, 44.35N, 82.90E, h10km
NCC 29 11:30:42.1, 3.0, 44.36N, 82.77E, h0km, mb2.7, mpv2.3,
Error ellipse: s-maj=27.8km s-min=11.8km az=125.0,
ISC 29 11:30:41.7, 2.5, 44.26N, 0.09, 83.1E, 0.1, h17km, n7,
+109/11, 5C-10, Northern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DJR Jarkent, DJR Jarkent, MK31 Makanchi Array, etc.

ISC 29 11:38:41.9, 1.9, 0.98N, 126.28E, h0km, mb3.5/3,
mb1 3.7/4, mb1mx3.4/50, mbtmp3.5/4, ML3.4/1, Error
ellipse: s-maj=15.6km s-min=25.3km az=88.0,
ISCJCB 29 11:38:46.6, 0.8, 1.07, 0.09, 126.41E, 0.07, h39km,
mb3.5/3, Error ellipse: s-maj=12.9km s-min=9.7km
az=12.5,
DJA 29 11:38:46.2, 6.2, 1.1, 6.6, 12.6E, h16km, 20M, M3.6/6,
MLV3.6/6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TMTI Ternate, KMSI Cibinong, SGSI Sangihe, etc.

ISCJCB 29 11:52:47.8, 0.8, 20.8S, 0.2, 169.9E, 0.1, h122km, mb3.8/8,
Error ellipse: s-maj=21.9km s-min=17.9km az=165.4,
ISC 29 11:52:55.1, 2.3, 20.95S, 169.78E, h179km, 19M, mb3.5/8,
mb1 8/10, mb1mx3.5/23, mbtmp4.0/10, Error ellipse:
s-maj=32.0km s-min=20.8km az=172.0,
ISC 29 11:52:48.6, 0.9, 20.8S, 0.2, 170.0E, 0.1, h122km, n11,
+189/11, mb3.8/8, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, UTA Urewhera, etc.

ISC 29 12:05:33.7, 37.91N, 34.43E, h6km, ML2.5/5
ISCJCB 29 12:05:34.6, 0.7, 37.95N, 0.03, 34.47E, 0.05, h5km, 7m,
Error ellipse: s-maj=7.0km s-min=4.8km az=163.6,
DDA 29 12:05:34.6, 37.94N, 34.48E, h7km, ML2.7
ISC 29 12:05:34.1, 1.4, 37.93N, 0.03, 34.45E, 0.04, h5km, 12km,
n15, +040/20, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NIG Nigde, KERG Konya-Eregli, GULE Gulek, etc.

ISC 29 12:08:56.1, 4.1, 10, 17.2S, 65.86E, h0km, mb3.8/3,
mb1 4.0/3, mb1mx3.5/47, mbtmp3.8/3, M3.5/2, M3.1 3.1/2,
ms1 mx2.8/42, Error ellipse: s-maj=125.8km s-min=50.5km
az=63.0, Mauritius-Reunion region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H0S1S Diego Garcia H, H0S2S Diego Garcia H, H0S3S Diego Garcia H, etc.

ISC 29 12:31:39.9, 4.0, 36.37N, 71.01E, h212km, 35km, mb3.0/6,
mb1 3.2/11, mb1mx2.9/55, mbtmp3.7/11, Error ellipse:
s-maj=29.5km s-min=21.2km az=33.0,
ISCJCB 29 12:31:42.9, 0.4, 36.64N, 0.03, 70.99E, 0.06, h250km,
mb3.2/5, Error ellipse: s-maj=6.5km s-min=4.2km
az=172.7,
NEIC 29 12:31:44.1, 1.0, 7.36, 69N, 70.94E, h224km, 13km, mb3.6/2, 2/1,
Error ellipse: s-maj=12.1km s-min=11.0km az=111.0,
NCC 29 12:31:48.3, 1.3, 37.04N, 70.92E, h234km, 14km, mb2.9,
mpv4.0, Error ellipse: s-maj=14.1km s-min=11.0km
az=70.0,

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

ISC 29 12:31:42.6, 0.8, 36.65N, 0.05, 70.98E, 0.08, h250km, n45,
+197/55, mb3.2/5, 4C-7D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Anayashu, NRR Naryn, NRR Naryn, etc.

ISC 29 12:31:42.6, 0.8, 36.65N, 0.05, 70.98E, 0.08, h250km, n45,
+197/55, mb3.2/5, 4C-7D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KDJ Kajisay, MAK2 Makanchi, MK01 Makanchi, etc.

ISC 29 12:31:42.6, 0.8, 36.65N, 0.05, 70.98E, 0.08, h250km, n45,
+197/55, mb3.2/5, 4C-7D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARCES Arceps Array B, ARCES Arceps Array B, TORDD Torodi Arr, etc.

ISC 29 12:50:58.1, 2.6, 51.83N, 94.87E, h0km, mb1 3.0/3,
mb1mx2.9/38, mbtmp3.0/3, ML2.8/3, Error ellipse:
s-maj=33.1km s-min=21.0km az=1.0, Southwestern
Siberia

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

ISC 29 13:19:47.5, 1.1, 32.56N, 67.26E, h0km, mb3.4/5,
mb1 3.5/8, mb1mx3.3/44, mbtmp3.4/8, ML3.2/3, Error
ellipse: s-maj=34.9km s-min=25.2km az=111.0,
ISCJCB 29 13:19:48.6, 1.0, 32.19N, 0.07, 67.8E, 0.1, h33km, mb3.4/5,
Error ellipse: s-maj=14.5km s-min=10.0km az=157.9,
ISC 29 13:19:50.5, 1.3, 32.21N, 0.1, 67.7E, 0.1, h35km, n15,
+1920/13, mb3.4/5, Southeastern Afghanistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, AAK Ala-Archa, PYUN Piuthan, etc.

ISC 29 13:20:13.7, 1.2, 37.72N, 143.96E, h0km, mb3.3/5,
mb1 3.6/7, mb1mx3.4/40, mbtmp3.4/7, ML3.5/2, M3.5/1,
Ms1 3.5/1, ms1mx2.4/24, Error ellipse: s-maj=30.0km
s-min=22.4km az=138.0,
ISCJCB 29 13:20:16.5, 0.7, 37.81N, 0.04, 143.83E, 0.05, h33km,
mb3.4/6, Error ellipse: s-maj=6.2km s-min=5.3km az=33.4,
JMA 29 13:20:18.4, 0.2, 37.87N, 143.71E, h50km, M3.4,
ISC 29 13:20:19.1, 0.9, 37.95N, 0.05, 143.92E, 0.07, h35km, n25,
+184/36, mb3.4/6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JIKH Ishinomakiobu, JIKH Ishinomakiobu, JIO Ouri, etc.

MEX 29 14:02:07.6, 0.6, 17.10N, 95.04W, h132km, 6km, MD3.9,
Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMG Matias Romero, CMG Matias Romero, VHO Vista Hermosa, etc.

ISC 29 14:04:36.2, 2.2, 5.35S, 152.51E, h0km, mb3.7/4,
mb1 4.0/5, mb1mx3.6/38, mbtmp3.8/5, ML2.0/1, Error
ellipse: s-maj=109.9km s-min=28.9km az=131.0, New
Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, VHO Vista Hermosa, etc.

ISC 29 14:09:33.2, 5.1, 0, 15.23S, 170.31W, h0km, mb4.3/3,
mb1 4.4/3, mb1mx3.7/37, mbtmp4.3/3, Error ellipse:
s-maj=1009.0km s-min=85.7km az=79.0, Samoa
Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, STKA Stephens Creek, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZY Crossi, SJUI Sorong, BATI Batumi, FITZ Fitzroy Crossi, WRA Warrungarra Arr, ASAR Alice Springs, YKA Yellowknife Ar, AKASG Malin Array Be, PDAR Pinedale Array, ULM Lac du Bonnet, DBIC Dimbokro.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILAR Eielson Array, WRA Warrungarra Arr, ASAR Alice Springs, YKA Yellowknife Ar, AKASG Malin Array Be, PDAR Pinedale Array, ULM Lac du Bonnet, DBIC Dimbokro.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JIO Ouri, JIO JIO, JMK Ichinoseki, MIYK Miyakonagasawa, JOP Onohata, JOM Onohata, JTH Tanohata, JOU Okura, JJK Kokujo, JRG Kuzumaki, JMK Marumori, JYM Kaneyama, JANG Nango, JYK Kawauchi, JYS Shiratake, JAH Hinai, JFT Atama, JYA Atsumi, JWA Iwakimizuishiy, JTB Tomi-shima, JTM Tenabayashi, JAW Awa shima, JFY Yanaizu, JNS Sasagawa, JJK Hiroka, JHO Hitachi, JOG3 Oga3, JSI2 Shiura 2, JOT Ohata, JIZT Izumizaki, JKT Katsushina, JKD Sado, JAG Ashikaga, ERM Erimo, ERM Erimo.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TIF 29 14:22:47.5, DDA 29 14:22:49.1, ISC 29 14:22:45.1-3, BATM Batumi, DBOC Borcka, ARTV Artvin, DBAD Bademkaya, DAGI Agillar, EPOS Posof, ONI Oni.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNN Bunyan, CUSAR Sarkisla-SIVAS, CUSAR Sarkisla, SAIM ADANA, YOZ Yozgat, CUKAN kangal_SIVAS, SVSK Karacayir, CORM Corum.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JRG Kokujo, JMK Marumori, JYM Kaneyama, JANG Nango, JYK Kawauchi, JYS Shiratake, JAH Hinai, JFT Atama, JYA Atsumi, JWA Iwakimizuishiy, JTB Tomi-shima, JTM Tenabayashi, JAW Awa shima, JFY Yanaizu, JNS Sasagawa, JJK Hiroka, JHO Hitachi, JOG3 Oga3, JSI2 Shiura 2, JOT Ohata, JIZT Izumizaki, JKT Katsushina, JKD Sado, JAG Ashikaga, ERM Erimo, ERM Erimo.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SOME 29 14:23:21.8, NNC 29 14:23:27.2, ISC 29 14:23:18.2-4, IUG Iuzhnay, IUG Iuzhnay, BRLL Borolday, BRLL Borolday, KK31 Karatay Array, SFK Sufi-Kurgan, SFK Sufi-Kurgan, MRKS Merke, MRKS Merke, AML Almayush, EK2S Erkin-Say, UCH Uchtor, AAK Ala-Archa, AAK Ala-Archa, USP Oспенovka, TKM2 Tokmak 2, TKM2 Tokmak 2, DGS Degeres, DGS Degeres, BTLS Baital, BTLS Baital.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRSC Komandorsky Islands region, KBTR Krutoberegovo, SMKR Semkarok, BAI Baidarmaya, SRK Sorokina, ZLN Zelenaia, KLY Klyuchi, KLY Klyuchi, TUMR Tumrok, TUMR Tumrok, SRED Sredinnyy, KPI Karymskiy, KPI Karymskiy, SPN Nalytchevo, NLC NLC, SDLR Sedlovina, SMAR Somma, UGLR Ugljovaya, XRL Arik, AVH Avchacha, DALK Dalny, DALK Dalny, GNL Ganaly, KRMR Karymshinskiy, KRMR Karymshinskiy, MTRV Mutnovka, MTRV Mutnovka.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JIO Ouri, JIO JIO, JMK Ichinoseki, MIYK Miyakonagasawa, JOP Onohata, JOM Onohata, JTH Tanohata, JOU Okura, JJK Kokujo, JRG Kuzumaki, JMK Marumori, JYM Kaneyama, JANG Nango, JYK Kawauchi, JYS Shiratake, JAH Hinai, JFT Atama, JYA Atsumi, JWA Iwakimizuishiy, JTB Tomi-shima, JTM Tenabayashi, JAW Awa shima, JFY Yanaizu, JNS Sasagawa, JJK Hiroka, JHO Hitachi, JOG3 Oga3, JSI2 Shiura 2, JOT Ohata, JIZT Izumizaki, JKT Katsushina, JKD Sado, JAG Ashikaga, ERM Erimo, ERM Erimo.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIED 29 14:23:00, ISC 29 14:23:44.6, JMA 29 14:23:45.0, ISCJB 29 14:23:46.2, ISC 29 14:23:47.9, JIKH Ishinomakikobu, JJK Kawauchi, JOM Onohata, JWA Iwakimizuishiy, JTB Tomi-shima, JTM Tenabayashi, JAW Awa shima, JFY Yanaizu, JNS Sasagawa, JJK Hiroka, JHO Hitachi, JOG3 Oga3, JSI2 Shiura 2, JOT Ohata, JIZT Izumizaki, JKT Katsushina, JKD Sado, JAG Ashikaga, ERM Erimo, ERM Erimo.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIED 29 14:59:00, ISCJB 29 14:59:36.0, JMA 29 14:59:38.0, NEIC NEIC, GCMT 29 14:59:38.0, ISCJB 29 14:59:38.0, JMA 29 14:59:38.0, NEIC NEIC, GCMT 29 14:59:38.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JIO Ouri, JIO JIO, JMK Ichinoseki, MIYK Miyakonagasawa, JOP Onohata, JOM Onohata, JTH Tanohata, JOU Okura, JJK Kokujo, JRG Kuzumaki, JMK Marumori, JYM Kaneyama, JANG Nango, JYK Kawauchi, JYS Shiratake, JAH Hinai, JFT Atama, JYA Atsumi, JWA Iwakimizuishiy, JTB Tomi-shima, JTM Tenabayashi, JAW Awa shima, JFY Yanaizu, JNS Sasagawa, JJK Hiroka, JHO Hitachi, JOG3 Oga3, JSI2 Shiura 2, JOT Ohata, JIZT Izumizaki, JKT Katsushina, JKD Sado, JAG Ashikaga, ERM Erimo, ERM Erimo.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DDI Dehra Dun, KMMI Kaliangot, LHM Karatay Array, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ASAR Alice Springs, ARCS ARCESS Array B, ARCS ARCESS Array C, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like M02C Callahan, K04D Chiloquin, O, SUMC Summit, etc.

29d 14h

Table with columns: Station, Frequency, Time, Power, and other parameters. Includes stations like FCC Fort Churchill, FCC Fort Churchill, FCC Sochi, etc.

2012 DEC

Table with columns: Station, Frequency, Time, Power, and other parameters. Includes stations like HVU Hansel Valley, ORDU Ordu-Boztepe, HANI Diyarbakir, etc.

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Table with columns: Station, Frequency, Time, Power, and other parameters. Includes stations like ELBS KAHRAMANMARAS, COAL Corum-Alaca, BIR Birlad, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like LEHLI, RASA, CJR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like KONT, KMER, RRR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like RZN, ROZHEN, EDMO, etc.

29d 14h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like BODT Bodrum, WATA Waldersalm, 319A Douglas, etc.

2012 DEC

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like MAKRR Makrakomi, G43A Wallace, G43A Wallace, etc.

1444

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like I46A Reed City, J45A Montague, E51A G1948 Merrick, etc.

BRTR	comp=Z,112nm,0.7s,baz=94,slow=8.7,SNR=513	pP	pP	17 57 12.9 +2.7
BRTR	comp=Z,28nm,0.7s,baz=94,slow=8.1,SNR=3.2	pP	pP	17 57 25.2 +1.4
BRTR	comp=Z,78nm,0.8s,baz=90,slow=8.6,SNR=6.7	pP	pP	17 59 41.1 +0.1
SERE	comp=Z,11nm,0.8s,baz=148,slow=3.6,SNR=10	P	P	17 56 47.4 +1.8
ULN	Serefikochisa 29.48 288 P	P	P	17 56 47.0 +0.9
ULN	Ulanbaatar 29.55 54 P	pP	pP	17 57 12.3 +0.5
ULN	ULN	eP	eP	17 57 27.0 +1.6
ULN	Ulanbaatar 29.55 54 P	P	P	17 56 47.2 +1.1
ULN	Ulanbaatar 29.55 54ceP	P	P	17 56 47.2 +1.1
KMI	comp=Z,26nm,0.9s	pmax	pmax	
KMI	Kumming 29.56 102 P	pP	pP	17 56 48.3 +1.8
KMI	KMI	pP	pP	17 57 11.3 -0.9
KMI	KMI	sP	sP	17 57 22.8 -3.0
KMI	KMI	sS	sS	18 01 33.5 +0.4
KMI	KMI	sS	sS	18 02 21.0 +3.1
KMI	comp=Z,55nm,0.9s	pmax	pmax	
KMI	comp=Z,230nm,4.0s	LR	LR	
KMI	comp=Z,1µm,13.5s	LR	LR	
KMI	comp=Z,620nm,11.9s	LR	LR	
PALK	comp=Z,1µm,26.6s	LR	LR	
PALK	Pallekele 29.75 159 P	P	P	17 56 49.7 +1.8
PALK	comp=Z,14nm,0.5s,baz=295,slow=6.7,SNR=21	LR	LR	18 08 41.6
PALK	comp=Z,1µm,20.1s,baz=295,slow=3.6	LR	LR	
PALK	Pallekele 29.75 159 eP	P	P	17 56 49.8 +1.8
PALK	Pallekele 29.75 159 eP	P	P	17 56 49.8 +1.8
AFSR	comp=Z,80nm,0.8s	pmax	pmax	
AFSR	Af ar-Bala (A) 29.82 289 P	P	P	17 56 50.1 +1.6
ANTO	Ankara 30.00 289 eP	P	P	17 56 51.7 +1.5
ANTO	Ankara 30.00 289 eP	P	P	17 56 51.6 +1.5
ANTO	Ankara 30.00 289 P	P	P	17 56 51.8 +1.7
ANTO	Ankara 30.00 289 eP	P	P	17 56 51.6 +1.5
BR231	Keskin MP Arra 30.02 289 eP	P	P	17 56 51.1 +0.8
MOS	Moscow 30.09 322 eP	pP	pP	17 56 48.3 -2.3
MOS	MOS	e	e	17 57 48.8
MOS	MOS	e	e	18 03 20.9 -5.6
MOS	MOS	e	e	18 07 20.5
MOS	comp=Z,900nm,2.5s	pmax	pmax	
MOS	comp=Z,253nm,1.7s	pmax	pmax	
CHTO	Chiang Mai 30.15 116 eP	P	P	17 56 51.5 -0.1
CHTO	Chiang Mai 30.15 116 P	P	P	17 56 52.0 +0.5
CHTO	Chiang Mai 30.15 116 eP	P	P	17 56 51.5 -0.1
CHTO	Chiang Mai 30.15 116 eP	pmax	pmax	
CHTO	Chiang Mai 30.15 116 P	P	P	17 56 52.6 +1.0
CMMT	Chiang Mai 30.16 116 P	P	P	17 56 52.4 +0.8
CSS	comp=Z,44nm,0.6s,comp=Z,1µm	eP	eP	17 56 52.4 -0.1
CSS	Mathiasa 30.27 280 eP	P	P	17 56 52.4 -0.1
OBN	Obninsk 30.35 321 P	P	P	17 56 53.5 +0.7
OBN	Obninsk 30.35 321 eP	P	P	17 56 53.3 +0.5
OBN	Obninsk 30.35 321ceP	P	P	17 56 53.3 +0.5
OBN	OBN	i	i	17 57 32.3
OBN	OBN	eS	eS	18 01 51.2 +6.9
OBN	OBN	eSS	eSS	18 03 36.4 +3.8
OBN	OBN	pmax	pmax	
OBN	comp=Z,125nm,1.3s	MLR	MLR	
CM31	Chiang Mai Arr 30.38 117 eP	P	P	17 56 54.2 +0.7
CM31	Chiang Mai Arr 30.38 117 P	P	P	17 56 54.5 +1.0
CMAR	Chiang Mai Arr 30.38 117 P	P	P	17 56 54.6 +1.1
CMAR	comp=Z,22nm,0.5s,baz=300,slow=8.7,SNR=307	ScP	ScP	18 03 22.5 +0.3
CMAR	comp=Z,4.2nm,0.8s,baz=295,slow=4.8,SNR=6.0	ScP	ScP	18 03 22.5 +0.3
CMAR	Chiang Mai Arr 30.38 117 iP	P	P	17 56 54.7 +1.1
CMAR	comp=Z,25nm,0.5s	pmax	pmax	
PRGR	Permogore 30.39 337 eP	P	P	17 56 53.8 +0.7
PRGR	PRGR	e'SP	e'SP	17 57 33.0 +0.5
PRGR	PRGR	pmax	pmax	
CM01	Chiang Mai Arr 30.41 117 eP	P	P	17 56 54.2 +0.4
CM01	CM01	eP	eP	17 57 19.7 +0.1
CM01	CM01	eP	eP	17 57 33.2 0.0
EIL	Eilat 30.45 269 P	pP	pP	17 56 56.0 +1.8
LADK	comp=Z,111nm,1.0s,baz=98,slow=3.4,SNR=59	P	P	17 56 56.3 +1.7
LADK	Ladik-KONYA 30.50 286 P	P	P	17 56 56.8 +2.0
KONT	Konya-Tatoy 30.53 286 P	P	P	17 56 58.3 +1.1
KIZT	Kizical 30.80 288 P	P	P	17 56 58.8 +1.2
LAMP	Lampang 30.84 116 P	P	P	17 57 00.2 +1.2
AUSV	comp=Z,9.1nm,0.6s,comp=Z,168nm	P	P	17 57 00.2 +1.2
SVRH	Sivrihisar 31.00 289 P	P	P	17 57 00.3 +1.2
MDUB	Mudurnu 31.18 291 P	P	P	17 57 02.1 +1.6
PBA	Port Blair 31.22 134 eP	P	P	17 57 02.4 +1.5
BTO	Baotou 31.24 69 eP	P	P	17 57 01.5 +0.5
XAN	Xi'an 31.39 82 P	pP	pP	17 57 03.3 +0.9
XAN	XAN	pP	pP	17 57 29.5 +1.3
XAN	XAN	S	S	18 02 03.5 +2.3
XAN	comp=Z,59nm,1.3s	pmax	pmax	
XAN	comp=Z,390nm,4.3s	LR	LR	
XAN	comp=Z,1µm,9.8s	LR	LR	
XAN	comp=Z,850nm,8.4s	LR	LR	
DAMY	comp=Z,930nm,13.0s	eP	eP	17 57 04.5 +0.9
DAMY	Dhamar 31.49 235 eP	P	P	17 57 04.5 +0.9
SUKH	Sukhothai 31.51 117 P	P	P	17 57 05.0 +1.6
SUTO	comp=Z,17nm,0.7s	P	P	17 57 05.9 +1.0
SUTO	Sutluce-Ispart 31.67 285 P	P	P	17 57 05.9 +1.0
BORPA	Borpa 31.80 290 P	P	P	17 57 06.9 +1.0
UMPA	Umpang Tak 31.80 120 P	P	P	17 57 08.8 +2.7
SHUT	comp=Z,28nm,0.7s,comp=Z,242nm	P	P	17 57 08.3 +1.7
SHUT	Suhut-Afyon 31.87 287 P	P	P	17 57 08.3 +1.7
ISP	Isparta 31.99 286 eP	P	P	17 57 08.0 +0.4
ISP	Isparta 31.99 286 eP	P	P	17 57 08.4 +0.7
UTTA	Uttaradit 32.01 116 P	P	P	17 57 09.1 +1.3
KLMR	comp=Z,34nm,0.5s,comp=Z,386nm	eP	eP	17 57 06.7 -0.9
KLMR	Klimovskoe 32.04 332 eP	pP	pP	17 57 32.2 -1.3
KLMR	KLMR	e'SP	e'SP	17 57 46.4 -0.6
KLMR	KLMR	pmax	pmax	
KLMR	comp=Z,210nm,1.3s	eP	eP	17 57 06.7 -0.9
KLMR	KLMR	AMP	AMP	17 57 09.7
KLMR	comp=Z,210nm,1.2s	eP	eP	17 57 32.2 -1.3
KLMR	KLMR	eP	eP	17 57 46.5 -0.6
GYA	Guiyang 32.11 96 pP	pP	pP	17 57 10.5 +1.7
GYA	GYA	pP	pP	17 57 37.5 +2.8
GYA	GYA	sP	sP	17 57 51.0 +2.8
GYA	GYA	PP	PP	17 58 21.8 -1.7
GYA	GYA	PcP	PcP	17 59 57.5 +2.3
GYA	GYA	S	S	18 02 09.2 +2.9
GYA	GYA	ScP	ScP	18 03 29.0 +1.0
GYA	GYA	SS	SS	18 04 14.8 -1.3
GYA	GYA	pmax	pmax	
GYA	comp=Z,60nm,0.9s	pmax	pmax	
GYA	comp=Z,160nm,5.4s	LR	LR	
GYA	comp=Z,790nm,11.5s	LR	LR	
GYA	GYA	LR	LR	

GYA	comp=Z,550nm,12.1s	LR	LR	
HHC	comp=Z,820nm,14.3s	LR	LR	
HHC	Hu-ho-hao-te 32.39 68 eP	pP	pP	17 57 13.0 +1.8
HHC	HHC	pP	pP	17 57 29.9 +2.8
HHC	HHC	sP	sP	17 57 52.3 +1.7
HHC	HHC	PnPn	PnPn	17 58 23.3 +0.8
HHC	HHC	S	S	18 02 18.0 +1.2
UTHA	Uthaitani 32.66 120 P	P	P	17 57 15.2 +1.7
TLCR	comp=Z,22nm,0.7s,comp=Z,273nm	P	P	17 57 16.0 +1.1
TLCR	TLCR	32.86 300 eP	eP	17 57 16.1 +1.1
ENH	Enshi 32.95 88 eP	P	P	17 57 17.3 +1.3
KIS	comp=Z,110nm,0.9s	P	P	17 57 15.0 -0.9
KIS	Kishinev 32.96 303 eP	P	P	17 57 15.0 -0.9
KIS	comp=Z,700nm,1.5s	PcP	PcP	17 59 28.0 -2.9
KIS	Kishinev 32.96 303 eP	S	S	18 02 30.0 +4.7
KIS	KIS	eSS	eSS	18 04 12.0 -2.4
KIS	KIS	eLO	eLO	18 08 06.0
KIS	KIS	MLR	MLR	18 11 30.0
KIS	comp=Z,1µm,17.0s	P	P	17 57 15.0 -0.9
KIS	KIS	i	i	17 57 56.0
KIS	KIS	S	S	18 02 30.0 +4.7
KIS	comp=Z,700nm,1.5s	pmax	pmax	
KIS	KIS	MLR	MLR	
PBKT	comp=N,1µm,16.0s	eP	eP	17 57 18.6 +1.6
PBKT	Sadao Pong 33.07 117 eP	P	P	17 57 18.7 +1.6
MFR	comp=N,101nm,1.1s,comp=N,2µm	P	P	17 57 18.0 +0.7
MFR	Murfatar 33.12 298 eP	P	P	17 57 17.9 +0.5
TIRR	Tirgusor 33.13 298 eP	sP	sP	17 57 17.9 +0.5
TIRR	TIRR	eSP	eSP	17 57 44.6 +0.8
TIRR	Tirgusor 33.13 298 eP	P	P	17 57 18.5 +1.2
TIRR	Tirgusor 33.13 298 eP	P	P	17 57 18.5 +1.2
AKASG	Malin Array Be 33.20 310 P	P	P	17 57 18.2 +0.3
AKASG	comp=N,73nm,0.7s,baz=81,slow=7.3,SNR=293	pP	pP	17 57 44.9 +1.1
AKASG	comp=N,25nm,0.6s,baz=88,slow=7.3,SNR=4.6	sP	sP	17 57 58.2 +0.8
AKASG	comp=N,66nm,0.7s,baz=86,slow=7.2,SNR=4.3	ScP	ScP	17 59 57.8 0.0
AKASG	comp=N,7.9nm,0.5s,baz=75,slow=3.2,SNR=5.7	PcP	PcP	17 57 17.7 -0.2
AKBB	Malin Array Si 33.20 310 P	P	P	17 57 44.6 +0.8
AKBB	AKBB	eP	eP	17 57 47.0 -0.4
AKBB	AKBB	pP	pP	17 57 47.0 -0.4
AKBB	AKBB	eP	eP	17 57 17.7 -0.2
AKBB	AKBB	e'SP	e'SP	17 57 57.0 -0.4
KIEV	Kiev 33.21 310 eP	pP	pP	17 57 17.7 -0.3
KIEV	KIEV	eP	eP	17 57 44.2 +0.3
KIEV	KIEV	sP	sP	17 57 58.1 +0.6
KIEV	KIEV	iP	iP	17 57 18.2 +0.2
KIEV	Kiev 33.21 310 P	P	P	17 57 18.2 +0.2
KIEV	KIEV	iP	iP	17 57 18.2 +0.2
KIEV	KIEV	iP	iP	17 57 17.9 -0.1
AK11	comp=Z,75nm,1.0s	pmax	pmax	
AK11	Malin Array Si 33.23 310 eP	P	P	17 57 16.7 -1.4
AK11	AK11	eP	eP	17 57 44.7 +0.7
AK11	AK11	eSP	eSP	17 57 58.1 +0.4
SRDT	SRDT 33.27 122 eP	sP	sP	17 57 20.4 +1.6
GIUM	Giurgulesti 33.30 300 eP	P	P	17 57 20.5 +1.7
LEOM	Leova 33.32 302 eP	P	P	17 57 20.2 +1.3
LEOM	Leova 33.32 302 eP	P	P	17 57 20.2 +1.3
CFR	Caracul 33.34 300 P	P	P	17 57 20.2 +1.1
CFR	Caracul 33.34 300 P	P	P	17 57 20.2 +1.1
TLB	Topalu 33.39 299 eP	P	P	17 57 21.0 +1.4
TLB	Topalu 33.39 299 eP	P	P	17 57 21.0 +1.4
MANT	Manisa 33.42 288 eP	P	P	17 57 21.0 +0.7
MANT	MANT	eP	eP	17 57 47.9 +1.7
MANT	MANT	sP	sP	17 58 07.0 +0.9
TIY	Taiyuan 33.44 74 eP	pP	pP	17 57 22.5 +2.2
TIY	TIY	S	S	18 02 33.5 +0.4
TIY	TIY	pmax	pmax	
TIY	comp=Z,120nm,1.6s	pmax	pmax	
TIY	comp=Z,310nm,6.1s	LR	LR	
TIY	comp=Z,640nm,11.0s	LR	LR	
TIY	comp=Z,310nm,8.7s	LR	LR	
TIY	comp=Z,570nm,21.0s	LR	LR	
ICOR	Ion Corvin 33.56 298 eP	P	P	17 57 23.3 +2.2
BIR	Birad 33.73 302 eP	P	P	17 57 24.1 +1.9
BIR	Birad 33.73 302 eP	P	P	17 57 24.5 +1.9
BIR	Birad 33.73 302 eP	P	P	17 57 24.5 +1.9
BIR	Birad 33.73 302 eP	P	P	17 57 24.5 +1.9
BIR	Birad 33.73 302			

29d 17h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KNT, KENDRIKON, HERR, TIA, SUW, VAM, etc.

2012 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like KOMA, PLE, VYHS, VYHS, PDG, etc.

1450

Table with columns for station name, frequency, power, and other technical details. Includes stations like CN2, BSD, TIP, SOKA, etc.

29d 17h

Table with columns for station name, frequency, power, and signal strength. Includes stations like YSS, KPL, IOMK, EMHD, ASAJ, etc.

2012 DEC

Table with columns for station name, frequency, power, and signal strength. Includes stations like PBEJ, PVAQ, PVAO, PVEJ, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like TIC, FYU, FLY, MLY, etc.

29d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHOS Chios Island, AYDB Zeytinli-Ayodi, AYDN Tasuluk, etc.

IDC 29 18:28:20.3±1.1, 121.89N-125.19E, h0km, mb3.4/6, mb1 3.6/6, mb1mx3.4/37, mbtmp3.4/6, Error ellipse: s-maj=58.9km s-min=18.4km az=64.0

MAN 29 18:28:22.9, 13.02N-125.31E, h7km, mb4.4, ML3.2, MS3.0

ISC 29 18:28:20.2, 0.0, 12.98N-104.125.19E, h0km, 12km, n20, c193/28, mb3.4/6, 2C-2D, Samar

Main station list for 29d 19h, including Catarmán, Virac, Borongan, Palo, Ormoc, Roxas, etc.

MEX 29 18:30:32.3±0.4, 16.35N-98.25W, h15km, 1km, MD3.5, Near coast of Guerrero

Table for MEX 29 18:30:32.3±0.4, 16.35N-98.25W, h15km, 1km, MD3.5

NEIC 29 18:39:23.2±0.0, 50.00N-176.39W, h24km, ML2.7(AEIC), After AEIC

IDC 29 18:39:29.1±8.1, 51.02N-176.50W, h0km, mb3.2/3, mb1 3.9/5, mb1mx3.5/1, mbtmp3.9/5, ML3.2/3, Error ellipse: s-maj=184.7km s-min=39.9km az=171.0

ISC 29 19:29:24.8±3.6, 50.31N, 0.1-176.32W, h0.07, h5km, 19km, n22, c097/27, mb3.2/3, Andreanof Islands

Main station list for NEIC 29 18:39:23.2±0.0, 50.00N-176.39W, h24km, ML2.7(AEIC)

IDC 29 18:42:02.6±0.7, 52.52N-169.70W, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/51, mbtmp3.8/15, ML3.2/2, MS3.3/2, Mb1 3.3/2, mb1mx2.9/36, Error ellipse: s-maj=2.7km s-min=13.3km az=174.0

ISCJB 29 18:42:05.0±0.9, 52.73N-169.65W, h0.05, h24km, 6km, mb4.0/20, Error ellipse: s-maj=10.7km s-min=4.1km az=159.5

NEIC 29 18:42:04.9±0.0, 52.73N-169.53W, h5km, mb4.2/26, ML3.8(AEIC), After AEIC

ISC 29 18:42:05.0±1.7, 52.73N-169.53W, h0.05, h13km, 9km, n94, c193/103, mb4.1/20, Fox Islands

Main station list for IDC 29 18:42:02.6±0.7, 52.52N-169.70W, h0km, mb3.8/13

2012 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CAST Castle Rocks, PMR Palmer, GHO Glory Hole Cre, etc.

UCR 29 19:28:16.0±1.4, 8.57N-83.71W, h8km, 5km, MD3.7, Costa Rica

PTJ1 Puerto Jim'ne 0.40 94 eP ISC P 18 52 24.1 +0.2

PTJ1 Palmar Norte 0.46 32 eS P 18 29 30.7 -0.7

EDPN Edoardo 18 29 30.7 -0.3

EDDO Dominical 18 29 29.1 -0.4

EDDO Edoardo 18 29 39.8 -0.4

EDBA Buenos Aires 0.73 36 eP P 18 29 29.8 -0.3

EDBA San Vito 0.77 71 eS P 18 29 40.8 -0.3

EDSV Durika 0.83 33 eP P 18 29 31.5 -0.5

DRKO Drako 18 29 43.5 -0.5

BRU2 Volcan 1.03 77 eP P 18 29 34.3 -1.5

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

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BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

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BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

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BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

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BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

BRU2 Lucha 2 1.20 346 eP P 18 29 37.6 -1.6

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LCR2 Heredia, HDC Heredia, HDC Heredia, etc.

ISCJB 29 19:35:56.0±7.3, 34.96S-70.05±71.38W, 0.10, h105km, 7km, Error ellipse: s-maj=14.1km s-min=6.4km az=19.4

GUC 29 19:35:57.3±0.5, 34.91S-71.39W, h94km, 4km, ML3.8, NEIC 29 19:35:57.0±0.0, 34.91S-71.39W, h94km, ML3.8(GUC), After GUC

NEIC Felt [I] at Talca. SJA 29 19:35:58.3±0.6, 34.92S-70.79W, h67km, 9km, ML3.4, MW1.1

ISC 29 19:35:56.5±1.8, 34.94S-70.06±71.32W, 0.08, h97km, 14km, n23, c139/36, 1C-1D, Near coast of central Chile

Code Station Name Az Phase ID Time Res h m s ISC

GO05 Hualaë0 0.50 262 eP ISC P 19 36 11.2 -0.8

GO05 Hualaë0 0.50 262 eS P 19 36 22.9 -0.8

GO05 Hualaë0 0.50 262 eP P 19 36 11.2 -0.2

GO05 Hualaë0 0.50 262 eS P 19 36 22.9 -1.3

GO05 Hualaë0 0.50 262 eP P 19 36 23.3

LMEL Las Melosas 1.43 41 eP P 19 36 22.1 +0.9

LMEL Las Melosas 1.43 41 eS P 19 36 42.1 +1.0

LMEL Las Melosas 1.43 41 eP P 19 36 43.3

CLCH Cerro Calan 1.68 23 eP P 19 36 25.7 +0.8

CLCH Cerro Calan 1.68 23 eS P 19 36 46.9 +0.5

CLCH Cerro Calan 1.68 23 eP P 19 36 48.6

CCHI Chillan 1.77 200 iP IAML P 19 36 26.5 +0.6

FCH Farellones 1.82 281 eP P 19 36 28.0 +0.9

FCH Farellones 1.82 281 eS P 19 36 51.6 +1.4

FCH Farellones 1.82 281 eP P 19 36 52.8

PEL Peldehue 1.87 17 eP P 19 36 28.3 +1.0

PEL Peldehue 1.87 17 eS P 19 36 49.3 +1.5

PEL Peldehue 1.87 17 eP P 19 36 28.4 +1.1

PEL Peldehue 1.87 17 eS P 19 36 51.3 +0.4

ROCI El Roble 1.98 7 iS P 19 36 29.5 +0.6

ROCI El Roble 1.98 7 eP P 19 36 53.1 -0.5

ROCI El Roble 1.98 7 iS P 19 36 50.6 +1.7

ROCI El Roble 1.98 7 eP P 19 36 55.4 +1.8

ROCI El Roble 1.98 7 eP P 19 36 59.9 +0.9

ROCI El Roble 1.98 7 iS P 19 36 54.1 +0.4

AAGR Agrelo 2.78 49 iS P 19 36 39.4 0.0

AAGR Agrelo 2.78 49 iS P 19 37 08.8 -3.5

ASAL Salagasta 3.13 42 eP P 19 36 44.4 +0.4

AUSP Lwta 3.16 31 eP P 19 36 46.3 +1.7

RTLS Leontico 3.56 29 iP P 19 36 51.8 +1.7

RTLS Leontico 3.56 29 iP P 19 36 56.7

RTC Cerro Valdivia 3.85 38 iP P 19 36 54.5 +0.8

RTLL Cerro Villucun 4.32 34 iP P 19 37 01.0 +0.9

GO06 Curarrehue 4.63 181 eP P 19 37 04.8 +0.5

AMOG MOGNA 4.65 32 iP P 19 37 05.4 +1.0

GO04 Tololo Observa 4.78 5 eP P 19 37 06.5 +0.1

GO04 Tololo Observa 4.78 5 eP P 19 37 59.0 -1.7

LCO Las Campanas 5.94 5 eS P 19 37 22.9 +0.1

TRQA Torquinst 8.14 115 eP P 19 37 51.1 -0.7

GO02 Mina Guanaco 9.86 9 eP P 19 38 15.9 +0.3

GO02 Mina Guanaco 9.86 9 eP P 19 38 15.9 +0.3

GO02 Mina Guanaco 9.86 9 eP P 19 38 15.9 +0.3

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GO02 Mina Guanaco 9.86 9 eP P 19 38 15.9 +0.3

GO02 Mina Guanaco 9.86 9 eP P 19 38 15.9 +0.3

29d 21h

Table with columns: CHGR, KURK, KK31, KKAR, TKX, TIKI, ABKAR, RAYN. Includes station names, coordinates, and status.

IDC 2920:40:14.0:2.7, 11.01Sx162.77E, h0km, mb3.6/3, mb1 3.8/4, mb1mx3.6/29, mbtmpp3.8/4, ML3.9/1, MS3.6/1, MS1 3.6/1, ms1mx2.9/29, Error ellipse: s-maj=49.8km s-min=39.0km az=94.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, WRA Warrungarra Arr, ASAR Alice Springs, RPZ Rata Peaks, SONM Songoing Arr.

IDC 2920:42:26.2:1.1, 50.18N x 114.77W, h0km, mb2.7/1, mb1 3.4/4, mb1mx3.1/51, mbtmpp3.0/4, ML3.0/2, Error ellipse: s-maj=19.6km s-min=8.5km az=113.0, Alberta

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NEW Newport, NEW, I56US NEWPORT INFRAS, PDAR Pinedale Array, I10CA LAC DU BONNET, YKA Yellowknife Arr, YKA, ILAR Eielson Array.

IDC 2920:48:57.6:5.9, 307.73S x 179.28W, h0km, mb3.6/2, mb1 3.9/2, mb1mx3.6/17, mbtmpp3.6/2, Error ellipse: s-maj=237.6km s-min=54.3km az=156.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, WRA Warrungarra Arr, FINES FINESSE Array B.

ISCJB 2921:22:12.3:0.5, 1.48N:0.05:99.05E:0.06, h118km, 6km, mb3.6/6, Error ellipse: s-maj=12.0km s-min=5.8km az=148.0

IDC 2921:22:12.3:1.2, 1.36N:99.20E, h104km, 8km, mb3.3/5, mb1 3.4/6, mb1mx3.2/32, mbtmpp3.5/6, Error ellipse: s-maj=44.0km s-min=13.2km az=67.0

DJA 2921:22:14.2:0.5, 1.1N:2.9:99.9E, h94km, 6km, M3.6/9, MLV3.6/9

ISC 2921:22:13.1:0.7, 1.47N:0.05:99.06E:0.06, h109km, 5km, n17, c1507/23, mb3.6/5, Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MNSI Mandailing Nat, PSI Prapat, PSI, GSI Gunungsitoli, TSI Tuntungan, BKNI Bangkinang, KCSI Kotacane, PDSI Padang, SISI Saibi, CSMR Sinabang, WRA Warrungarra Arr, ASAR Alice Springs, SONM Songoing Arr, MKAR Makanchi Array, ZALV Zalesovo Beam, CPUR Villa Florida.

ISCJB 2921:33:35.1:2.7, 1.9N:0.5:98.2W:0.05, h10km, mb3.8/7, Error ellipse: s-maj=95.0km s-min=17.7km az=44.9

IDC 2921:33:35.8:1.2, 1.93N:98.13W, h0km, mb4.0/7, mb1 4.3/7, mb1mx4.0/35, mbtmpp4.0/7, Error ellipse: s-maj=46.9km s-min=20.2km az=49.0

ISC 2921:33:37.3:1.4, 1.9N:0.3:98.1W:0.3, h10km, n12, c1608/9, mb3.6/7, West of Galapagos Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TXAR Lajitas Array, PTGA Pitinga, SIV San Ignacio, PDAR Pinedale Array, TAOE Nuku Hiva Isla, PPT2 Papeete2, TBI Tubuai.

2012 DEC

Table with columns: YKA Yellowknife Arr, ILAR Eielson Array, ASAR Alice Springs, WRA Warrungarra Arr. Includes station names, coordinates, and status.

ISCJB 2921:36:59.0:0.8, 1.6N:0.1:98.22W:0.08, h10km, mb4.5/6/0, MS4.1/3, Error ellipse: s-maj=17.0km s-min=8.8km az=29.1

NEIC 2921:37:02.6:0.5, 1.71N:98.16W, h10km, mb4.5/46, Error ellipse: s-maj=11.3km s-min=6.8km az=213.0

IDC 2921:37:02.8:1.1, 2.07N:97.79W, h0km, mb4.1/11, mb1 4.4/11, mb1mx4.2/33, mbtmpp4.1/11, MS4.1/16, MS1 4.2/16, ms1mx3.9/38, Error ellipse: s-maj=31.0km s-min=17.2km az=43.0

GCMT 2921:37:07.0:5.2, 15N:0.03:97.16W:0.04, h2km, 1km, MW5.0/81, Moment Tensor Solution, s2c2c3: s8t1c10; Duration: 0. Moment tensor: Scale 1016Nm; Mr=3.76e-28; Mw4.04e-21; Mw-0.28t; 18; Mw-0.38t; 28; Mw-1.00t; 11; Mw-1.86t; 27; Best double couple: Mw4.4500e+1016 NP1:0.305.000000, 0.50.000000, -1.57.000000. NP2: 0.8.000000, 0.50.000000, -1.23.000000. Principal axes: T 4.2590, P1g0.0000, Azm12.0000; N 0.3700, P1g25.0000, Azm103.0000; P -4.6320, P1g65.0000, Azm282.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 2921:37:02.0:0.8, 1.7N:0.1:98.17W:0.1, h10km, n104, c1518/9, mb4.5/60, MS4.0/13, West of Galapagos Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JGS El Apazote, APT JuntasAbangare, CMIG Matias Romero, ESTN Estel, TGUH Tegucigalpa, OTAV Otavalo, ROSC El Rosal, ROSC, ROSC El Rosal, 833A Chaparral WMA, TXAR Lajitas Array, TX31 Lajitas Ar. Si, SDV Santo Domingo, SDV, SDV, JCT Junction City, WHTX Lake Whitney, MNTX Cordas Mount, RPN Rapa Nui, ABTX Abilene, Hawie, MSTX Muleshoe, AMTX Amarillo, BNM Barren Site, ANNO Lemitar, ANMO Albuquerque, LPAZ La Paz, LPAZ, W18A Petrified Fore, T474 Sharon Grove, MVCO Mesa Verde, S22A Cor Ranch, Cre, LVC Limon Verde, PV01 Paradox Valley, PV05 Paradox Valley, PV13 Radium Mtn., PV13, PV02 Paradox Valley, Q24A Divide, PV03 Paradox Valley, PV12 Pecos Basin, PV16 Nyswonger Mesa, PV19 Morning Glory, PV20 West Nyswonger, PV10 Paradox Valley, PTGA Pitinga, MSU Marysville, SRU San Rafael Swe, TMUT Trail Mountain, O20A White River Ci, BGEN Belgrade, N23A Red Feather La, DUG Dugway, Tolee, SIV San Ignacio, L24A Oliver, Polo, NV01 Mina Array Sit, NVAR Mina Array, BGAR Big Grassy Mou, SPUT South Promonto, HWUT Harwood Ranch, ECSD EROS Data Cent, HVU Harsco Valley, PD31 Pinedale Array, PDAR Pinedale Array, BW06 Boulder Array.

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Table with columns: BMN Battle Mountain, RSSD Black Hills, LOHW Low Hollow, TAOE Nuku Hiva Isla, FXWY Fox Creek, MOOW Moose Ponds, MOD Modoc, MCMT McKenzie Canyon, GLMT Greycliff, DCMT Dillon, MDP Montagnes Des, ULM Lac du Bonnet, PPT Papeete, PPT2 Papeete2, TBI Tubuai, KHLU Kahu'u, YKA Yellowknife Arr, YKB5 Yellowknife Arr, RAR Rarotonga, EYAK Cordova Siki, DAWY Dawson, INK Inuvik, DHY Denali Highway, IL1 Eielson Array, ILAR Eielson Array, ILB Eielson Array, RES Resolute Bay, CAST Casita Rocks, MLY Manley, IM3 Mtan Mountain, RPZ Rata Peaks, NOA NORSAR Array B, TORD Torodi Ar. Bea, ASAR Alice Springs, WRA Warrungarra Arr, WMQ Urumqi, GTA Gaotai, LZH Lanzhou, LZH, KSH Kashi, CD2 Chengdu.

IDC 2921:39:22.6:2.1, 2.12N:126.62E, h0km, mb3.2/3, mb1 3.4/3, mb1mx3.2/33, mbtmpp3.2/3, Error ellipse: s-maj=186.5km s-min=24.7km az=66.0, Northern Malucua Sea

ISCJB 2921:42:54.8:2.2, 2.1N:0.4:97.7W:0.4, h10km, mb3.9/8, MS4.4/1, Error ellipse: s-maj=84.6km s-min=15.0km az=138.1

IDC 2921:42:54.3:1.1, 1.97N:97.84W, h0km, mb4.0/8, mb1 4.3/8, mb1mx4.1/32, mbtmpp4.0/8, MS4.5/1, Ms1 4.5/1, ms1mx3.2/30, Error ellipse: s-maj=46.5km s-min=17.6km az=50.0

ISC 2921:42:56.0:1.4, 2.0N:0.3:97.8W:0.3, h10km, n11, c0582/10, mb3.9/8, West of Galapagos Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warrungarra Arr, ASAR Alice Springs, MKAR Makanchi Array, ISCJB 2921:42:54.8:2.2, LPAZ La Paz, PTGA Pitinga, SIV San Ignacio, NVAR Mina Array, PDAR Pinedale Array, YKA Yellowknife Arr, ILAR Eielson Array, ASAR Alice Springs, WRA Warrungarra Arr, ISCJB 2921:44:02.3:1.0, WEL 2921:44:07.9:0.9, IDC 2921:44:09.8:7.7, ISC 2921:44:01.3:1.0, Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GLKZ Green Lake, MXZ Matakaoa Point, WAGZ Waiomatatini S, HAZ Te Kaha, PKGZ Pakihiroa, PUZ Puketitiri, RUCZ Rakumakara Rang, TWGZ Tauwharepare, WCZ Waipua Falls, WIAZ Waiheke Island, WIPZ Ohinepanea, CNGZ Carnagh Statio, URZ Urewa, ISCJB 2921:44:02.3:1.0, RIGZ Rikimaru, SNGZ Shannon Statio, KNZ Kokohu, MHGZ Mahia Peninsula, RAHZ Aarahi, WHHZ Waihua, TLRZ Te Kaha Road, MRHZ Matea Rd.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NMHZ, ARHZ, BKZ, MCHZ, KWHZ, etc.

ISCJB 29.21:47:26.9.0.6, 2.13N:0.09:97.61W:0.09, h10km, mb4.5/79, MS4.2/18, Error ellipse: s-maj=17.4km s-min=7.2km az=43.9

IDC 29.21:47:26.3.0.8, 1.96N:97.91W, h0km, mb4.1/11, mb1.4/3/12, mb1mx4.1/32, mbtmp4.1/12, ML3.5/1, MS4.2/19, Ms1.4/2.19, ms1mx4.1/28, Error ellipse: s-maj=29.0km s-min=15.5km az=42.0

NEIC 29.21:47:27.9.0.3, 2.03N:97.71W, h10km, mb4.5/71, Error ellipse: s-maj=9.4km s-min=4.4km az=46.0

GCMT 29.21:47:32.0.0.4, 2.13N:0.02:97.06W:0.04, h19km, 1km, MW5.0/69, Moment Tensor Solution, s18:c19; s69:c95; Duration: 0 Moment tensor: Scale 10^19Nm, Mr=3.32z.27; Mw=3.84z.21; Mb=0.51z.16; Mf=1.59z.40; Mb=0.54z.11; Mw=2.32z.40; Best double couple: M4.55900x10^16; NP1=68.00000; 862.00000; 1.122.00000; NP2=302.00000; 841.00000; 4.450.00000; Principal axes: T 4.1780, Plg12.00000; Azm181.00000; N 0.7680, Plg28.00000; Azm84.00000; P -4.9400, Plg59.00000; Azm291.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 29.21:47:28.2.0.7, 2.1N:0.1:97.7W:0.1, h10km, n127, c093/115, mb4.5/79, MS4.2/18, West of Galapagos Islands

Main table for 1457 containing station data for West of Galapagos Islands. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC.

Main table for 2012 DEC containing station data for various regions. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC.

Table for 29d 22h containing station data for West of Galapagos Islands. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC.

SJA 29.21:56:17.2.0.5, 34.00S:71.71W, h25km, 6km, ML3.3, MW3.7

ISCJB 29.21:56:19.7.2.5, 33.92S:0.04:71.50W:0.07, h6km, 22km, Error ellipse: s-maj=10.8km s-min=5.9km az=29.6

GUC 29.21:56:21.0.0.6, 33.93S:71.43W, h5km, 8km, ML3.5

ISC 29.21:56:20.0.1.3, 33.94S:0.04:71.49W:0.06, h14km, 12km, n15, c137/22, 2C-4D, Near coast of central Chile

Main table for 29d 22h containing station data for West of Galapagos Islands. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC.

IDC 29.22:05:41.3.7.8, 5.56S:128.50E, h176km, 98km, mb2.7/1, mb1.3/0.4, mb1mx2.8/35, mbtmp3.4/4, Error ellipse: s-maj=15.13km s-min=20.8km az=80.0, Banda Sea

IDC 29.22:08:08.7.1.2, 28.69S:177.71W, h0km, mb4.3/3, mb1.4/5/3, mb1mx3.9/25, mbtmp4.3/3, Error ellipse: s-maj=35.5km s-min=15.7km az=98.0

ISC 29.22:08:16.1.1.3, 29.0S:0.2:177.6W:0.2, h54km, n18, c1935/13, mb4.3/4, Kermadec Islands region

Main table for 29d 22h containing station data for Kermadec Islands region. Columns include Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like M04C Macdool, BANOM Banah, WDC Whiskeytown Da, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like QLMT Earthquake Lak, YHB Horse Butte, ELK Elk, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like MURC Murrieta, VRI Vriocioia, WVI White River, etc.

29d 23h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like PV19 Morning Glory, JAVC Velka Javorina, and many others.

2012 DEC

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like SOKA Soboth, ECSD EROS Data Cent, and many others.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like I41A Arkdale, G43A Wallace, and many others.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Yellville, Mountain View, W39A Magazine, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PRU 29 23:17:08.7, OJC Ojow, etc.

ISK 29 23:37:52.4, 42°36'N, 04°06'E, h12km, ML3.3/9
TIF 29 23:37:53.0, 42°36'N, 04°06'E, h34km, 2km
MOS 29 23:37:54.1, 0.0, 42°53'N, 41°04'E, h4km, MPVAA.4

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BATM Batumi, DDMR Dombai, etc.

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GUZR Shidzhatmaz, SHAI Shidzhatmaz, etc.

IDC 29 23:49:23.0-1.6, 3.57S, 127.18E, h0km, mb3.5/2,
mb1 3.7/4, mb1mx3.4/33, mbtmp3.1/3, ML3.3/2, Error
ellipse: s-maj=45.0km s-min=27.0km az=73.0, Seram

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SIJI Sorong, WRA Warrungga Arr, etc.

IDC 30 00:19:19.5-1.6, 2.57S, 140.04E, h0km, mb3.0/2,
mb1 3.3/3, mb1mx3.1/26, mbtmp3.1/3, ML3.2/1, Error
ellipse: s-maj=33.2km s-min=10.9km az=170.0, Near
north coast of Irian Jaya

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JAY Jayapura, WRA Warrungga Arr, etc.

IDC 30 00:28:41.9-1.1, 7.61S, 129.46E, h0km, mb4.0/2,
mb1 4.2/6, mb1mx3.8/28, mbtmp4.1/6, ML3.9/5, Error
ellipse: s-maj=33.0km s-min=20.2km az=96.0

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

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CMIG Matias Romero, etc.

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

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ZLR Zalesovo Beam, etc.

30d 2h

Table with columns: Code, Station Name, Time, Res, Phase ID, h m s, ISC. Includes stations like SMKR Semkarok, BDR Baidarnaya, SRKR Sorokina, etc.

IDC 30 02:20:03.2±1.4, 101.91°N-93.92°E, h0km, mb3.7/5, mb1.3/9.5, mb1mx3.6/6.8, mbtmp3.7/5, MS3.6/1, Ms1.3/6.1, ms1mx2.7/4.6, Error ellipse: s-maj=85.3km s-min=19.4km az=53.0

ISCJB 30 02:20:06.7±1.3, 101.8°N-0.3°E, h33km, mb3.9/6, MS3.6/1, Error ellipse: s-maj=71.5km s-min=13.1km az=143.9

ISC 30 02:20:08.3±1.4, 101.8°N-0.3°E, h35km, n12, r198/12, mb3.7/6, Andaman Islands region

Table with columns: Code, Station Name, Time, Res, Phase ID, h m s, ISC. Includes stations like RAMN Ramite, PKI Pulchoki, PKIN Pulchoki, etc.

SOME 30 02:31:12.1, 41.82°N-79.57°E, h0km, ISCJB 30 02:31:13.5±0.8, 41.65°N-0.04°E, h10km, Error ellipse: s-maj=6.7km s-min=3.6km az=147.7

KRNET 30 02:31:13.0±0.1, 41.79°N-79.62°E, h19km, mb3.4, NNC 30 02:31:15.4±0.9, 41.88°N-79.56°E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=7.4km s-min=3.7km az=132.0

ISC 30 02:31:14.0±1.4, 41.78°N-0.06°E, h10km, n46, r231/82, 34C-19D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Time, Res, Phase ID, h m s, ISC. Includes stations like PRZ Przheval'sk, SHLS Shalkode, SHLS 67nm, 0.2s, etc.

2012 DEC

Table with columns: Code, Station Name, Time, Res, Phase ID, h m s, ISC. Includes stations like KST 12nm, 0.3s, TKM2 Tokmak 2, etc.

IDC 30 02:53:02.8±0.9, 56.21°N-161.04°E, h14.4km, gkm, ML3.7, ISCJB 30 02:53:02.0±0.5, 56.24°N-0.04°E, h1.00E, 0.1, h145km, 3km, mb3.2/6, Error ellipse: s-maj=9.1km s-min=5.9km az=19.8

IDC 30 02:53:08.7±2.5, 56.21°N-160.29°E, h171km, 27km, mb3.0/6, mb1.3/2.6, mb1mx2.9/4.3, mbtmp3.5/6, Error ellipse: s-maj=28.3km s-min=18.7km az=134.0

ISC 30 02:53:05.0±0.8, 56.19°N-0.05°E, h139km, 5km, n37, r191/55, mb3.2/6, Kamchatka Peninsula

Table with columns: Code, Station Name, Time, Res, Phase ID, h m s, ISC. Includes stations like CIRP Tsirk, LGNR Loginova, ZLN Zelenaya, etc.

JMA 30 02:33:09.2±0.1, 36.76°N-141.30°E, h76km±1km, M3.8, Near east coast of eastern Honshu

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

DJA 30 02:40:39.9±0.3, 3°S-2°11'9"E, h10km, M3.3/5, MLv3.3/5, Sulawesi

Table with columns: Code, Station Name, Time, Res, Phase ID, h m s, ISC. Includes stations like TTSI Tana Toraja, SPSI Sidrap Palu, SPSI Palu, etc.

MEX 30 02:40:39.9±0.3, 16.13°N-97.56°W, h10km, 4km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Time, Res, Phase ID, h m s, ISC. Includes stations like PNIC Pinotepa, PNOG Vinteta, PNHG Huate Hermosa, etc.

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Table with columns: Code, Station Name, Time, Res, Phase ID, h m s, ISC. Includes stations like FITZ 0.7nm, 0.3s, baz=28, slow=12, SNR=24, WRA Warramunga Arr, etc.

KRSC 30 02:53:02.8±0.9, 56.21°N-161.04°E, h14.4km, gkm, ML3.7, ISCJB 30 02:53:02.0±0.5, 56.24°N-0.04°E, h1.00E, 0.1, h145km, 3km, mb3.2/6, Error ellipse: s-maj=9.1km s-min=5.9km az=19.8

IDC 30 02:53:08.7±2.5, 56.21°N-160.29°E, h171km, 27km, mb3.0/6, mb1.3/2.6, mb1mx2.9/4.3, mbtmp3.5/6, Error ellipse: s-maj=28.3km s-min=18.7km az=134.0

ISC 30 02:53:05.0±0.8, 56.19°N-0.05°E, h139km, 5km, n37, r191/55, mb3.2/6, Kamchatka Peninsula

Table with columns: Code, Station Name, Time, Res, Phase ID, h m s, ISC. Includes stations like CIRP Tsirk, LGNR Loginova, ZLN Zelenaya, etc.

IDC 30 02:54:44.1±0.7, 52.23°N-171.22°W, h0km, mb4.0/21, mb1.4/2.24, mb1mx4.1/4.6, mbtmp4.0/24, ML3.3/3, MS3.6/17, UG1 3.7/17, ms1mx3.4/4.9, Error ellipse: s-maj=24.4km s-min=12.2km az=170.0

ISCJB 30 02:54:49.4±0.3, 52.19°N-170.06°E, h171.22°W, 0.4, h48km, mb4.2/42, MS3.7/18, Error ellipse: s-maj=9.3km s-min=2.8km az=163.4

NEIC 30 02:54:49.6±0.0, 52.32°N-171.12°W, h26km, mb4.4/23, ML3.9(AEIC), After AEIC

ISC 30 02:54:50.7±0.6, 52.22°N-171.17°W, h171.08°W, 0.04, h48km, n108, r192/110, mb4.3/42, MS3.7/18, Fox Islands

Table with columns: Code, Station Name, Time, Res, Phase ID, h m s, ISC. Includes stations like NIKH Nikolski High, KOSE Korovin Southe, KOPF Korovin Flat P, etc.

30d 5h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KDKA, TRF, SKST, TAP 30 04:01:48.7,2173N:121.11E, etc.

Main table of station data for Taiwan region, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like TSEB, TWBK, TWK1, HEN, LAY, TAW, etc.

2012 DEC

Table of station data for Rabbit Creek A, Susitna One, Katmai Hook, etc. Includes columns for Code, Station Name, Azimuth, Phase ID, Time, Res.

NIED 30 04:23:00.36:40N,143:90E, h8km, Mw3.8 Best double couple: M5.79000-1.014, NP1:ps17.00000, s34.00000, -1.101.00000, NP2:ps211.00000, s56.00000, -1.82.00000

ISC 30 04:23:42.8:0.8,36:22N:144:17E, h0km, Mw3.6/10, mb1 3.9/13, mb1mx3.8/46, mbtmp3.6/13, ML3.4/3, MS2.6/2, Ms1 2.6/2, ms1mx2.4/49, Error ellipse: s-maj=22.6km s-min=18.2km az=140.0

ISC/JB 30 04:23:46.1:0.6,36:35N:145:05E, h33km, mb3.5/10, Error ellipse: s-maj=6.6km s-min=5.0km az=165.7

JMA 30 04:23:48.0:0.2,36:45N:143:91E, h61km, M4.0 ISC 30 04:23:48.0:0.8,36:40N:143:06E, h07h, h35km, n30, s=29.241, mb3.6/10, Off east coast of Honshu

Table of station data for Onaj, JFK, JHY, JHO, BSO, JFT, JMK, JMK, JAG, JRY, JRR, JOD, MJAR, MJAR, MAT, JHU, JHU, JOT, JKB, JCH, JHR, JHR, JTKR, USRK, KRSR, SONM, ZALV, ZALV, ILAR, WRA, ASAR, YAKA, NVAR, PDAR, TXAR, etc.

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Table of station data for MS3.3/1, Error ellipse: s-maj=40.5km s-min=23.6km az=151.0, ISC 30 04:48:35.3:1.6,0:05:02:92.0E:0.3, h10km, m9, c058/2, mb3.6/6, South Indian Ocean

MOS 30 04:56:08.3:0.0,42:48N:141:12E, h8km, MPVA3.4 ISC 30 04:56:08.0,42:32N:141:07E, h16km, ML2.4/4, DDA 30 04:56:09.8,42:21N:141:16E, h7km, ML2.9, ISC 30 04:56:07.2:1.2,42:39N:102:41E:0.04, h13km, 10km, n22,c044/36, Western Caucasus

Table of station data for DOMR, DBCA, DBOC, ARXR, CHOM, CHOM, ARTV, DBAD, DAGI, DAGI, NEY, NEY, RPOH, EPOS, EPOS, SOC, SOC, ONI, SHA1, KTUT, MACK, KIV, KIV, KIV, AKH, BAYT, ESPY, etc.

NNC 30 05:02:29.4:2.0,52:91N:87:65E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=17.3km s-min=7.1km az=76.0, Suspected Mining explosion.

KRAR 30 05:02:23.6:0.1,52:89N:87:70E, M2.6, 10C-3D, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014), Southwestern Siberia

Table of station data for ZAAO, ZAAO, KURK, KURK, KURB, KURBB, KURBB, MK31, MK31, MAKZ, MAKZ, MAKZ, etc.

ISC 30 05:15:02.7:3.7,30:21S:138:51E, h0km, mb3.1 3.0/3, mb1mx3.0/3, mbtmp3.0/3, ML2.3/3, Error ellipse: s-maj=107.5km s-min=15.9km az=44.0, South Australia

Table of station data for STKA, STKA, STKA, STKA, ASAR, WRA, etc.

ISC 30 05:21:35.1:1.9,2:96N:124:12E, h0km, mb3.3/3, mb1 3.6/11, mb1mx3.4/31, mbtmp3.3/3, MS3.5/2, Ms1 3.5/2, ms1mx2.8/24, Error ellipse: s-maj=206.0km s-min=25.6km az=63.0, Celebes Sea

Table of station data for TGy, WRA, ASAR, ASAJ, MKAR, etc.

MAN 30 05:32:25.3:5:41N:126:22E, h187km, mb4.4, ML3.3, MS3.1, ISC/JB 30 05:32:19.1:0.5,5:50N:106:12S:98E:0.09, h164km,4km, mb3.6/10, Error ellipse: s-maj=14.6km s-min=9.7km az=157.1, ISC 30 05:32:30.0:0.8,5:55N:126:00E, h158km,7km, mb3.4/10, mb1 3.6/11, mb1mx3.4/35, mbtmp3.9/11, Error ellipse: s-maj=41.4km s-min=10.8km az=71.0, ISC 30 05:32:30.3:0.7,5:46N:108:125.97E:0.09, h161km,6km, n22,c197729,mb3.7/10,3D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Don Marcelino, General Santos, Davao City (W), etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YM05, YM06, YM04, etc.

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

JMA 30 05:48:03.8:0.1, 24.43N, 121.97E, h70km, 2km, M3.6
ISCJB 30 05:48:04.5:0.3, 24.51N, 0.02+122.02E, 0.02, h64km, 3km,
Error ellipse: s-maj=2.9km s-min=2.2km az=154.7

TAP 30 05:48:05.1, 24.50N, 121.94E, h59km, M4.1, B.7
ISC 30 05:48:04.8:1.2, 24.51N, 0.03+122.01E, 0.02, h64km, 5km,
n104, s086/181, 23C-9D, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EOS1, TWC, NANB, ENA, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIJ, SLGT, CHN8, etc.

MAN 30 05:52:00.1, 9.26N, 125.88E, h0km, mb4.2, ML3.0, MS2.7,
0D, Mindanao

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

IDC 30 06:12:35.6:2.0, 0.53N, 126.24E, h0km, mb3.3/3,
mb1 3.6/3, mb1mx3.3/3, mbmt3.4/3, Error ellipse:
s-maj=173.1km s-min=25.4km az=65.0, Northern
Molucca Sea

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

IDC 30 06:27:24.2:1.4, 56.77S, 27.17W, h0km, mb4.4/3,
mb1 4.5/3, mb1mx4.0/16, mbtmp4.4/3, Error ellipse:
s-maj=63.3km s-min=33.5km az=14.0

ISCJB 30 06:27:38.2:0.6, 56.45S, 0.1+27.5W, 0.1, h112km, mb5.0/7,
Error ellipse: s-maj=16.3km s-min=8.5km az=35.0

NEIC 30 06:27:38.7:1.3, 56.35S, 27.47W, h103km, 11km, mb4.3/3,
Error ellipse: s-maj=14.5km s-min=7.9km az=51.0

ISC 30 06:27:39.6:0.7, 56.45S, 0.1+27.6W, 0.1, h112km, n28,
s058/30, mb4.9/7, South Sandwich Islands region

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

NIED 30 06:35:00, 39.50N, 143.80E, h14km, Mw3.8 Best double
couple: M0.88000+1014 NP1=176.00000, 839.00000,
7.60.00000. NP2=33.00000, 857.00000, 1.112.00000.
ISCJB 30 06:35:32.0:0.7, 39.51N, 0.04+143.75E, 0.07, h11km,
mb3.5/7, MS3.0/1, Error ellipse: s-maj=8.3km s-min=4.3km
az=30.2

1469

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like XAN, XAN, XAN, etc.

ISCJB 30 07:01:29.5:0.7, 23.97N:0.01x122.28E:0.02, h13km, 5km, Error ellipse: s-maj=2.7km s-min=2.2km az=144.3

Main table for station 1469, listing station names, coordinates, and technical details. Includes stations like EOS1, TWD, NACB, etc.

2012 DEC

Main table for station 2012 DEC, listing station names, coordinates, and technical details. Includes stations like SMLT, SMLT, SMLT, etc.

ISCJB 30 07:11:23.6:8.1, 15.57Sx173.29W, h0km, mb3.8/3, mb1 4.1/3, mb1mx3.7/42, mbtmp3.8/3, Error ellipse: s-maj=363.2km s-min=35.1km az=139.0, Tonga Islands

Table for station 2012 DEC, listing station names, coordinates, and technical details. Includes stations like WRA, ASAR, ILAR, etc.

Table for station 30d 7h, listing station names, coordinates, and technical details. Includes stations like CCIG, BOAB, TLIG, etc.

ISCJB 30 07:13:16.9:0.5, 3.63S:0.06x128.57E:0.09, h35km, mb4.0/9, Error ellipse: s-maj=12.3km s-min=7.9km az=175.7

Main table for station 30d 7h, listing station names, coordinates, and technical details. Includes stations like SIJI, SIJI, KDU, etc.

ISCJB 30 07:37:51.1:0.6, 50.02N:0.04x78.57E:0.07, h0km, Error ellipse: s-maj=6.9km s-min=4.2km az=149.2

Main table for station 30d 7h, listing station names, coordinates, and technical details. Includes stations like KURBB, KURBB, KURBB, etc.

ISCJB 30 07:53:3.0:8.5, 50.07N:78.77E, h0km, mb1 3.2/3, mb1mx0.4/6, mbtmp3.2/3, ML3.0/3, Error ellipse: s-maj=1.0km s-min=0.5km az=58.0

Main table for station 30d 7h, listing station names, coordinates, and technical details. Includes stations like I46RU, BVA0, BVA0, etc.

30d 7h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SFK, Sufi-Kurgan, 3.32, 28, Pn, 07 56 46.7+6.4

2012 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SFK, Sufi-Kurgan, 3.32, 28, Pn, 07 56 46.7+6.4

1470

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SFK, Sufi-Kurgan, 3.32, 28, Pn, 07 56 46.7+6.4

IDC 30 07:41:00.5-1.0, 25.46N, 127.40E, h0km, mb3.8/13, mb1.3, 9/14, mb1mx3.8/40, mbtmp3.8/14, ML4, 1/1, MS3.5/1, Ms1.3/1, ms1mx2.0/46, Error ellipse: s-maj=24.8km s-min=15.2km

NEIC 30 07:41:01.7-2.4, 25.43N, 127.42E, h10km, mb4.3/2, Error ellipse: s-maj=7.8km s-min=6.1km az=148.0 JMA 30 07:41:03.5-0.3, 25.36N, 127.56E, h47km, mb3.3, ISC 30 07:40:59.8-1.3, 25.36N, 127.50E, h1km, 7km, n45, i103/53, mb4.0/16, Ryukyu Islands

Code Station Name Az Az' Phase ID Time Res SFK Sufi-Kurgan 3.32 28 Pn 07 56 46.7+6.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SFK, Sufi-Kurgan, 3.32, 28, Pn, 07 56 46.7+6.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SFK, Sufi-Kurgan, 3.32, 28, Pn, 07 56 46.7+6.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SFK, Sufi-Kurgan, 3.32, 28, Pn, 07 56 46.7+6.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SFK, Sufi-Kurgan, 3.32, 28, Pn, 07 56 46.7+6.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SFK, Sufi-Kurgan, 3.32, 28, Pn, 07 56 46.7+6.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SFK, Sufi-Kurgan, 3.32, 28, Pn, 07 56 46.7+6.4

ISCJB 30 07:55:47.0-0.5, 36.97N, 0.04, 71.52E, 0.05, h109km, mb3.7/3, Error ellipse: s-maj=6.5km s-min=5.2km az=148.7 IDC 30 07:55:49.5-4.6, 37.08N, 71.62E, h90km, 28km, mb3.5/5, mb1.3/8/12, mb1mx3.4/51, mbtmp4.1/12, Error ellipse: s-maj=55.1km s-min=21.6km az=172.0 NNC 30 07:55:56.8-4.1, 37.85N, 70.95E, h0km, mb4.5, mpv4.2, Error ellipse: s-maj=33.6km s-min=21.0km az=176.0 ISC 30 07:55:49.9-0.8, 37.10N, 0.07, 71.47E, 0.06, h109km, n36, z235/43, mb3.8/5, 6C-5D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SFK, Sufi-Kurgan, 3.32, 28, Pn, 07 56 46.7+6.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SFK, Sufi-Kurgan, 3.32, 28, Pn, 07 56 46.7+6.4

30d 8h

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Status, Date, Time, Azimuth, Elevation, Power, Status. Includes stations like WMOK, P42A, ERPA, etc.

2012 DEC

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Status, Date, Time, Azimuth, Elevation, Power, Status. Includes stations like P53A, U42A, MCWV, etc.

1472

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Status, Date, Time, Azimuth, Elevation, Power, Status. Includes stations like YONGUNIJIMAKU, YONAGUNI JIMA, etc.

IDC 30 08:09:50.74.1.25.02N.122.97E, h132km,40km,mb3.4/8, mb1.3.0/9,mb1mx3.2/44,mbtm3.8/9,MS3.7/2,Ms1.3.8/2, ms1mx3.3/22, Error ellipse: s-maj=34.3km s-min=15.6km az=66.0

30D 9h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include BRV Bratogost, SELS Selova, UPM Unac-Piva, etc.

MEX 30 08:18:51.8:0.4, 17.54N:96.68W, h85km, 5km, MD3.8

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include VHO Vista Hermosa, CMIG Matias Romero, PNIG Pinotepa, etc.

NEIC 30 08:25:09.2:0.0, 16.05N:97.60W, h16km, MD4.0(MEX), After MEX

MEX 30 08:25:09.2:0.5, 16.05N:97.60W, h16km, 6km, MD4.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include PNIG Pinotepa, VHO Vista Hermosa, HUIG Huatulco, etc.

30D 30 08:39:55.7:2.0, 34.52N:73.64E, h0km, mb3.6/3, Ms1 3.7/1, ms1mx2.6/50, Error ellipse: s-maj=63.5km s-min=27.9km az=74.0

ISCBJ 30 08:39:56.5:1.1, 34.52N:73.4E:0.2, h21km, mb3.5/3, MS3.7/1, Error ellipse: s-maj=19.4km s-min=5.5km az=159.0

NNC 30 08:40:02.9:6.5, 34.91N:72.60E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=77.9km s-min=48.0km az=99.0

ISCB 30 08:39:57.7:1.4, 34.447N:0.09:73.1E:0.2, h21km, n18, f187/20, mb3.6/3, 3C-3D, Pakistan

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include SFK Stufi-Kurgan, AAK Ala-Archa, TKM2 Tokmak 2, etc.

MEX 30 08:49:00.3:0.4, 14.22N:92.57W, h10km, 67km, MD3.8, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include PCIG Comitán, Alice Springs, etc.

ISCB 30 08:50:35.5:1.8, 32.76S:178.11W, h0km, mb4.3/3, Ms1 4.5/4, ms1mx4.0/32, mbtmp4.3/4, ML4.1/1, MS3.2/1, Ms1 3.2/1, ms1mx2.8/26, Error ellipse: s-maj=49.4km s-min=32.2km az=133.0

ISCB 30 08:50:39.9:2.0, 32.85S:178.0W:0.3, h34km, n8, f15/18, mb4.2/3, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include URZ Urewera, PPT Papeete, CTA Charters Tower, etc.

2012 DEC

Table with columns: WRA Warramunga Arr, KURBB Kurchatov Arra, FINES FINESS Array B, etc.

ISCB 30 09:00:12.0:4.6, 36.14N:71.08E, h79km, 29km, mb3.6/7, mb1 3.7/13, mb1mx3.4/55, mbtmp4.0/13, MS3.7/3, Ms1 3.7/3, ms1mx2.9/49, Error ellipse: s-maj=47.3km s-min=18.4km az=152.0

ISCBJ 30 09:00:15.0:0.9, 36.42N:0.07:70.86E:0.06, h100km, mb3.9/6, Error ellipse: s-maj=10.6km s-min=5.9km az=157.5

NNC 30 09:00:16.1:2.7, 36.77N:70.55E, h0km, mb4.6, mpv4.4, Error ellipse: s-maj=22.7km s-min=15.0km az=170.0

ISCB 30 09:00:16.3:1.3, 36.4AN:0.1x70.83E:0.08, h100km, n32, f127/37, mb3.9/6, 6C-4D, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include SFK Stufi-Kurgan, AML Almayashu, UCH Uchtor, etc.

JMA 30 09:03:04.7:0.4, 36.85N:143.84E, h56km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ZALV Zalesovo Beam, CMAR Chiang Mai Arr, FINES FINESS Array B, etc.

ISCB 30 09:11:15.0:1.0, 37.44N:35.62E, h0km, mb3.5/5, mb1 3.8/11, mb1mx3.6/36, mbtmp3.7/11, M3.8/5, MS2.7/1, Ms1 2.7/1, ms1mx2.2/41, Error ellipse: s-maj=21.1km s-min=14.4km az=63.0

ISCBJ 30 09:11:16.0:0.4, 37.45N:0.02:35.72E:0.02, h8km, 3km, mb3.7/8, Error ellipse: s-maj=3.5km s-min=2.6km az=141.1

NEIC 30 09:11:15.0:0.0, 37.51N:35.72E, h7km, mb4.2/4, ML4.0(I)SK, After ISK

DDA 30 09:11:15.5, 37.49N:35.70E, h24km, M3.9

ISCB 30 09:11:16.1, 37.47N:35.75E, h11km, ML3.9/22

GZT ISK 09:11:17.0:0.8, 37.49N:0.02:35.77E:0.02, h12km, 5km, n7, n8, f132/109, mb3.9/8, Turkey

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include KOZT Kozan, ANDIR Andir, SAIM ADANA, etc.

1474

Table with columns: AVNS Mersin, KIZK Mersin, KIZK Mersin, etc.

SJA 30 09:17:21.6:0.6, 24.22S:67.26W, h170km, 28km, ML2.4, MW3.2

ISCBJ 30 09:17:23.0:1.1, 24.19S:0.04:67.19W:0.04, h174km, 13km, Error ellipse: s-maj=7.8km s-min=5.1km az=26.3

GUC 30 09:17:23.9:0.6, 24.02S:67.61W, h223km, 6km, ML3.8

ISCB 30 09:17:24.2:4.2, 24.22S:0.06:67.15W:0.05, h194km, 25km, n7, n9, f125/33, 5C-4D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include HJA Humahuaca, AZAP Zapla, AZAP Zapla, etc.

ISCB 30 09:17:23.9:0.6, 24.02S:67.61W, h223km, 6km, ML3.8

ISCB 30 09:17:24.2:4.2, 24.22S:0.06:67.15W:0.05, h194km, 25km, n7, n9, f125/33, 5C-4D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include HJA Humahuaca, AZAP Zapla, AZAP Zapla, etc.

ISCB 30 09:17:23.9:0.6, 24.02S:67.61W, h223km, 6km, ML3.8

ISCB 30 09:17:24.2:4.2, 24.22S:0.06:67.15W:0.05, h194km, 25km, n7, n9, f125/33, 5C-4D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include HJA Humahuaca, AZAP Zapla, AZAP Zapla, etc.

30d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHKK Chushkaly, KURS Kuram, UZB Uzynbulak, etc.

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

ISCJB 30 11:27:46.8±0.9, 39.42N±0.05, 74.25E±0.04, h10km, Error ellipse: s-maj=7.4km s-min=4.8km az=166.7

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

2012 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KDJ baz=40, CHMS Chumysh, TKM2 Tokmak 2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KOTYS Kotyrbulak, KTBS Khatrobo, etc.

KRSC 30 11:31:41.6±2.0, 49.29N±156.44E, h155km±22km, ML3.8, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, KDR Khodutka, etc.

ATH 30 11:33:29.7, 35.62N±26.81E, h27km±2km, ML2.6/5, Error ellipse: s-maj=4.1km s-min=1.0km az=155.0

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

1476

Table with columns: LAST, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Lasithi, comp=N,258um,0.4s, etc.

BUI 30 11:33:37.8, 1.17N±126.60E, h63km, mb4.8/48, mb5.3/31, Ms4.9/23, Ms7.4/5/24

DC 30 11:33:40.8±1.4, 1.55N±126.54E, h51km±12km, mb4.4/30, mb1.4/5.33, mb1mx4.5/4.1, mbtmp4.7/33, ML4.4/4, Ms4.0/22, Ms1.4/0.22, ms1mx3.9/36, Error ellipse: s-maj=14.3km s-min=7.3km az=74.0

MOS 30 11:33:40.4±1.2, 1.56N±126.44E, h58km, mb5.3/49, Error ellipse: s-maj=10.5km s-min=5.4km az=114.1

ISCJB 30 11:33:41.3±0.3, 1.58N±126.65E±0.02, h69km±3km, mb5.0/145, Error ellipse: s-maj=4.2km s-min=2.7km az=163.1

GCMT 30 11:33:42.0±0.2, 1.59N±0.01±126.37E±0.02, h53km±1km, MW5.3/36, Moment Tensor Solution. s75.c15; s86.c130; Duration: 1s0 Moment tensor: Scale 10^7Nm; Mn:0.82±.02; Mw:0.03±.02; Mo:0.85±.02; Ms:0.36±.02; Mw:0.33±.02; Mw:0.04±.02; Best double cut: 0.54 00000°; 1.17 00000°; NP23p219.00000°; 1.58 00000°; 1.17 00000°; NP23p358.00000°; 1.44 00000°; 1.58 00000°; Principal axes: T: 0.9650, Plg68.0000°; Azm184.0000°; N: 0.0230, Plg22.0000°; Azm22.0000°; P: -0.9880, Plg5.0000°; Azm290.0000°; nsta1 refers to surface waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 30 11:33:42.0±0.3, 2.3N±127.7E±, h53km±3km, M5.0/47, mb5.1/47, mb5.4/18, MLv5.2/16, Mw(mb)4.9/18, Mwps3/1

NEIC 30 11:33:43.0±0.6, 1.57N±126.59E, h68km±5km, mb5.2/93, Error ellipse: s-maj=5.4km s-min=3.6km az=63.0

KLM 30 11:33:43.0, 1.61N±126.85E, h73km±5.1km, ISC 30 11:33:42.8±0.4, 1.57N±126.65E±0.04, h64km±3km, Ms3.0, r151/432, mb5.1/145, 12C-9D, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate, SGSI Sangihe, KMSI Cibirong, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like W13A Hualapai Mount, AFDM Forest Hills D, BAR Barrett, etc.

ISC 30 11:57:35.2, 1.1, 9.54S:72.31W, h0km, mb3.6/4, mb1 3.8/6, mb1 1mx3.7/30, mbmp3.7/6, ML3.5/2, MS2.7/2, Ms1 2.8/2, ms1mx2.6/35, Error ellipse: s-maj=33.8km s-min=20.6km az=46.0

ISCJB 30 11:57:38.2, 0.8, 9.75S:01.7243W, h0.08, h33km, mb3.5/4, Error ellipse: s-maj=16.7km s-min=9.9km az=162.8

ISC 30 11:57:40.4, 0.9, 9.75S:01.7241W, h0.10, h35km, n7, s114.8, mb3.5/4, Peru-Brazil border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NNA Nana, LPAZ La Paz, TXAR Lajitas Array, etc.

ISK 30 11:58:11.5, 39.18N:39.03E, h19km, ML2.2/4, ISCJB 30 11:58:12.5, 0.5, 39.17N:0.04:39.02E:0.04, h2hkm, 8km, Error ellipse: s-maj=6.3km s-min=4.6km az=5.0

DDA 30 11:58:12.6, 39.25N:38.99E, h7km, ML2.8, ISC 30 11:58:11.9, 1.1, 39.20N:0.04:39.01E:0.03, h14km, 11km, n10, c054/18, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KEMA Kemalye, TNCL Tunçelli-Merkez, ILIC ilic-Erzincan, etc.

ISCJB 30 12:06:45.4, 0.7, 21.59N:0.08:143.0E:0.2, h250km, mb3.4/11, Error ellipse: s-maj=29.7km s-min=11.4km az=176.1

ISC 30 12:06:48.0, 5.4, 21.60N:143.47E, h256km, 53km, mb3.1/12, mb1 3.3/13, mb1mx3.1/47, mbmp3.8/13, Error ellipse: s-maj=29.4km s-min=10.4km az=88.0

ISC 30 12:06:47.2, 0.8, 21.61N:0.1435E:0.2, h250km, n14, c068/14, mb3.4/11, Marianas Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MJAR Matsushiro Arr, KSRS Korea Array, KLR Kul'dur, etc.

0.3nm, 0.4s, baz=292, slow=5.9, SNR=14, ARCES ARCES Array B 79.12 342 P P 12 18 23.4 -0.3, FLCS FINESSE Array B 83.41 335 P P 12 18 44.5 -1.8, PINA Paso Flores 145.44 311 PKPbc PKPbc 12 18 57.0 +0.8

DJA 30 12:09:43.4, 0.5, 6.1N:4.12E, h10km, M4.7/7, mb4.6/7, mb5.6/3, MLV4.6/7, MW(mb)5.1/3, ISCJB 30 12:09:49.6, 0.4, 6.02N:0.1260E:0.07, h147km, 4km, mb3.4/6, Error ellipse: s-maj=10.9km s-min=5.5km az=166.4

MAN 30 12:09:50.8, 6.115N: 125.90E, h157km, mb4.6, ML3.4, MS3.3, IDC 30 12:09:51.2, 0.9, 6.26N:126.20E, h147km, 7km, mb3.1/6, mb1 3.5/8, mb1mx3.2/49, mbmp3.8/8, MS2.9/1, Ms1 2.9/1, ms1mx2.5/19, Error ellipse: s-maj=43.8km s-min=12.2km az=71.0

ISC 30 12:09:51.4, 0.8, 6.07N:0.04:125.94E:0.08, h150km, 7km, n25, c195/35, mb3.3/6, 1C-2D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DDMP Don Marcelino, MATI Mati, GSPH General Santos, DAV Davao City (W), etc.

ISC 30 12:16:27.2, 2.0, 36.74N:144.17E, h0km, mb3.2/2, mb1 3.6/5, mb1mx3.2/72, mbmp3.6/5, ML3.5/3, Error ellipse: s-maj=46.6km s-min=31.9km az=81.0

ISCJB 30 12:16:30.7, 1.0, 36.80N:0.06:143.93E:0.08, h33km, mb3.2/2, Error ellipse: s-maj=10.2km s-min=8.0km az=142.2

JMA 30 12:16:32.6, 0.3, 36.87N:143.82E, h36km, M3.3, ISC 30 12:16:32.0, 1.5, 36.81N:0.06:144.0E:0.1, h33km, n12, c1537/13, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JIKH Ishinomakikubu, JIKH Kawauchi, JFK Jfk, etc.

UCR 30 12:21:19.0, 2.4, 14.71N:93.24W, h115km, 97km, ML4.8, mb5.2/16, NEIC 30 12:21:21.9, 0.1, 14.53N:0.01:93.37W:0.01, h25km, MW5.5/15, Moment Tensor Solution, s115.c02, s101.c192, Duration: 1.44, Moment tensor: Scale 1017 Nm; Mn:1.0E:0.3; Me:1.17E:0.2; Mo:0.44E:0.2; Mo:1.0E:0.5; Mo:0.69E:0.2; Mo:0.95E:0.5; Best double couple: Me2.15800E:1017 NP1.0E:127.000000, 866.000000, 1.95.000000, NP2.0E:295.000000, 824.000000, 1.79.000000

Principal axes: T 2.1810, Plg68.0000, Azm47.0000; N -0.0500, Plg5.0000, Azm305.0000; P -2.1340, Plg21.0000, Azm214.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Translational moment-rater function

NEIC 30 12:21:22.9, 0.2, 14.52N:92.99W, h26km, mb5.2/299, MS4.9/89, MW5.3, MD5.3(MEX), Error ellipse: s-maj=3.15km s-min=2.8km az=32.0, Best double couple: NP1.0E:115.000000, 862.000000, 1.79.000000, NP2.0E:317.000000, 829.000000, 1.10.000000, Principal axes: T 1.1000, Plg71.0000, Azm1.0000; N -0.1000, Plg10.0000, Azm120.0000; P -1.0000, Plg17.0000, Azm213.0000

NEIC Fellt at Tapachula. Also fellt at Quezaltenango, Guatemala. MOS 30 12:21:22.9, 1.0, 14.60N:92.80W, h49km, mb5.3/60, MS4.8/19, Error ellipse: s-maj=9.1km s-min=4.2km az=108.9

MEX 30 12:21:22.4, 0.5, 14.47N:93.19W, h20km, 23km, MD5.3, ISCJB 30 12:21:24.9, 0.4, 14.52N:0.02:92.87W:0.02, h71km, 3km, mb5.1/321, Error ellipse: s-maj=3.8km s-min=2.4km az=135.3

IDC 30 12:21:25.9, 0.2, 14.58N:92.75W, h68km, 17km, mb4.4/33, mb1 4.6/37, mb1mx4.5/46, mbmp4.8/37, MS4.8/23, Ms1 4.8/23, ms1mx4.7/32, Error ellipse: s-maj=17.0km s-min=8.6km az=49.0

ISC 30 12:21:21.8, 0.8, 14.48N:0.04:93.00W:0.04, h32km, 3km, n1062, c154/1059, mb5.2/321, MS4.9/15, 10C-4D, Near

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MJAR Matsushiro Arr, KSRS Korea Array, KLR Kul'dur, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like coast of Chiapas, PCIG Comitan, CCIG Comitan, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, and other technical details. Includes stations like U50A Jamestown, S414 Jilco Farms, KMSC Kings Mountain, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, and other technical details. Includes stations like Q48A North Vernon, P440 Sand Creek, BLO Bloomington, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, and other technical details. Includes stations like O52A Adamsville, Y12C Blythe, Y12C Blythe, etc.

30d 12h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ECSD, MSU, K49A, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like REDW, SNOW, NVAR, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PTGA, MOD, J08A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like RPN Rapa Nui, SCHO Schefferville, and many others.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like ILAR comp=Z,22nm,0.9s, ILB RND, and many others.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like ARCES ARCESS Array B, ARCES ARCESS Array B, and many others.

30d 13h

Table with columns: Call Sign, Frequency, Power, Direction, and other parameters. Includes stations like ZALV, GNI, TSUM, KURK, ULN, SONA, KS15, MAKZ, MKAR, BJT, GEYT, TAU, BOSA, LBTB, WMQ, WMQ, WMQ, AAK, MBAR, MBAR, KDJ, LSZ, CTAO, CTAO, SFK, GAR, RAYN, CHGR, NJZ, GTA, KSH, CASY, LZH, XAN, STKA, KBL, KMBO, NIL, ENH, CD2, WSAR.

2012 DEC

Table with columns: Call Sign, Frequency, Power, Direction, and other parameters. Includes stations like WC3, WB2, WRAB, WRAB, WR1, WRA, WRA, AS31, ASAR, ASAR, GYA, GYA, LSA, LSA, KMI, ABPO, FITZ, SOEI, SKNT, CHTO, CHTO, CM31, CMAR, CM01, KAPI, NWAO, NWAO, NWAO, HYB, UTHA, MBWA, SRDT, MORW, SBUM, PHET, KSM, PSI, PSI, IDC 30 12:36:09.3,0.7,8, S44.107E, h26km,55km, M3.9/12, DJA 30 12:36:09.3,0.7,8, S44.107E, h26km,55km, M3.9/12, CISI, CISI, LEM, CMJ, CMJ, DBJ, DBJ, KJJI, KPJI, KPJI, CGJI, WJJI, KASI, PCJI, PWJI, MDSI, MEX 30 12:54:16.4,0.7,14, 47N:93.14W, h20km, MD3.6, Near coast of Chiapas, THIG, THIG, PCIG, IDC 30 13:02:51.9,3.1,23, 29N:95.88E, h0km, mb3.7/4, NDI 30 13:03:04.5,1.5,23, 02N:94.18E, h14km,16km, ML3.5, ISC 30 13:03:03.9,2.1,22, 33N:100.09,94.2E,0.1, h100km, m24, SAIH, SAIH, SAIH, IMP, IMP, IMP, IMP, KOHI, KOHI, KOHI, MOKO, MOKO, MOKO.

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Table with columns: Call Sign, Frequency, Power, Direction, and other parameters. Includes stations like SHL, SHL, TEZP, TEZP, TURI, TURI, ZIRO, ZIRO, ZIRO, TAWA, TAWA, CMAR, CMAR, RAMN, RAMN, JIRN, JIRN, GUN, GUN, PKI, PKI, KKN, KKN, DANN, DANN, PYUN, PYUN, ZALV, ZALV, WRA, WRA, ASAR, ASAR, TIR 30 13:08:46.7, 43.31N:21.04E, h1km, Md3.7/3, ISCBJ 30 13:08:49.0,0.3,43, 29N:0.01,20.98E,0.02, h1km,2km, Error ellipse: s-maj=2.1km s-min=1.8km az=146.9, PDG 30 13:08:49.8,0.4,43, 27N:20.98E, h9km, MD3.0/1, M3.0/1.0, Error ellipse: s-maj=0.4km s-min=0.5km az=0, BEO 30 13:08:50.3,0.2,43, 27N:20.97E, h4km,1km, ML3.1/1.4, SAR 30 13:08:50.2,0.6,43, 31N:21.02E, h9km,2km, ML3.2/1, PRR 30 13:08:50.6,0.0,43, 27N:20.98E, h9km, MD3.0/1, THE 30 13:08:52.9,43, 05N:21.05E, h3km,1km, ML2.7/2, Error ellipse: s-maj=2.2km s-min=1.5km az=130.0, ISC 30 13:08:50.0,0.4,43, 29N:0.01,20.96E,0.01, h8km,7km, n125.0193214, 29C-22D, Northwestern Balkan Peninsula, SELS, SELS, GRUS, GRUS, BOVS, BOVS, IVAS, IVAS, SJES, SJES, BARS, BARS, BARS, BARS, IVA, IVA, IVA, SVIS, SVIS, PVI, PVI, PVY, PVY, TRUS, TRUS, TRUS, TRUS, ZAGS, ZAGS, DIVS, DIVS, DIVS, DIVS, BCI, BCI, KOME, KOME, KOME, PLE, PLE, ZAPS, ZAPS, KUBS, KUBS, KUBS, KUBS, BBLs, BBLs, BBLs, BBLs, SKO, SKO, SKO, SKO, SKO, SKO, PUK, PUK, PUK, PUK, UPM, UPM, UPM, UPM, NIKSI, NIKSI, PDG, PDG, PDG, PDG, PDG, PDG, TTT, TTT, BEO, BEO, NKME, NKME, MDVR, MDVR, INVR, INVR, TEKS, TEKS, TEKS, TEKS, PHP, PHP, PHP, PHP, HAPS, HAPS, HAPS, HAPS.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HAPS Cevo, DRME Dracevica, PUNG Punginha, VTS Vitosh, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like RES Resolute Bay, NVAR Mina Araya Bay, ISCBJ 30 13:25:28, NNC 30 13:25:30, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like M1 3.3/1, MS1mx2.7/30, NEIC 30 13:53:17, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 30 13:12:44, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 30 13:37:51, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 30 14:03:48, GEA0 GERRSS Array 5, CONA Conrad Observa, etc.

30d 16h

TWD	baz=55	S	Sb	16 03 55.2	-1.1
ECL	baz=175	0.87 179	↑P	Pg	16 03 42.6 -0.8
ECL	baz=175	0.89 351	↑P	Pb	16 03 54.3 -0.3
TWQ1	baz=339	0.89 351	↑P	Pb	16 03 44.6 -0.2
TWQ1	baz=339		S	Sb	16 03 57.7 +0.6
MASBT	baz=196	0.89 198	↑P	Pg	16 03 43.2 -0.8
MASBT	baz=196		eS	Pb	16 03 57.6 +0.4
NACB	baz=196	0.93 41	↑P	Pg	16 03 43.6 -1.0
NACB	baz=55		eS	Sg	16 03 56.7 0.0
NACB	baz=55	0.93 41	ePg	Pg	16 03 43.0 -1.7
NSY	baz=354	0.96 351	↑P	Pb	16 03 46.1 +0.1
NSY	baz=354		S	Sb	16 03 60.0 +0.9
PTSB	baz=354	1.00 348	↓P	Pb	16 03 46.6 0.0
PTSB	baz=351		S	Sb	16 04 01.1 +0.9
NNSB	baz=25	1.04 23	↑P	Pg	16 03 45.2 -1.6
NNSB	baz=25		eS	Sb	16 04 01.1 -0.5
NNS	baz=25	1.05 23	eP	Pg	16 03 45.5 -1.5
NNS	baz=25		eS	Sg	16 04 00.3 -0.3
KAU	baz=223	1.06 213	eP	Pn	16 03 48.4 -0.1
NMLH	baz=355	1.07 353	eP	Pb	16 03 47.9 -0.1
NMLH	baz=355		eS	Sn	16 04 03.4 -0.7
EAST	baz=171	1.08 184	↑P	Pg	16 03 46.8 -0.8
TAW	baz=178	1.10 182	eP	Pg	16 03 46.9 -1.0
TAW	baz=178		eS	TAW	16 04 03.2 0.0
SCZT	baz=201	1.13 195	↑P	Pg	16 03 47.6 -0.8
SCZT	baz=201		eS	Sn	16 04 04.9 -0.4
NSTT	baz=5.0	1.16 3	eP	Pg	16 03 48.6 -0.5
NSTT	baz=5.0		eS	Sn	16 04 05.8 -0.5
LIQB	baz=6.0	1.18 4	↑P	Pg	16 03 49.0 -0.4
LIQB	baz=6.0		eS	Sn	16 04 06.3 -0.3
WDGT	baz=261	1.19 260	↓P	Pg	16 03 48.1 -1.5
WDGT	baz=261		eS	Sg	16 04 03.5 -1.4
ENA	baz=55	1.21 38	↑P	Pg	16 03 48.7 -1.3
ENA	baz=55		eS	Sb	16 04 06.2 -0.1
NANB	baz=55	1.22 38	↑P	Pg	16 03 48.7 -1.4
NANB	baz=55		eS	Sb	16 04 05.8 -0.6
WLCH	baz=201	1.22 205	eP	Pn	16 03 51.4 +0.7
WLCH	baz=201		eS	Sn	16 04 11.5 +3.8
TWP	baz=200	1.23 205	↑P	Pn	16 03 51.4 +0.5
PHUB	baz=274	1.25 272	↓P	Pg	16 03 48.9 -1.9
PHUB	baz=274		S	Sg	16 04 05.4 -1.6
YHNB	baz=26	1.27 19	↑P	Pg	16 03 49.2 -1.8
YHNB	baz=26		eS	Sb	16 04 07.8 -0.2
YHNB	baz=26	1.27 19	ePg	Pg	16 03 49.3 -1.8
YHNB	baz=26	1.27 18	eP	Pg	16 03 49.3 -1.8
NSK	baz=26		eS	Sb	16 04 07.9 -0.1
PNG	baz=276	1.27 275	↓P	Pg	16 03 49.2 -1.9
PNG	baz=276		S	Sg	16 04 06.5 -1.1
ENTT	baz=35	1.30 26	↑P	Pg	16 03 50.1 -1.8
ENTT	baz=35		eS	Sn	16 04 09.6 -0.2
SBCB	baz=4.0	1.32 2	eP	Pn	16 03 51.8 -0.3
SBCB	baz=4.0		eS	Sn	16 04 10.4 +0.2
HSN	baz=5.0	1.33 1	eP	Pb	16 03 52.4 0.0
HSN	baz=5.0		eS	Sn	16 04 11.3 +1.0
VCHM	baz=261	1.40 260	eP	Pn	16 03 51.1 -2.1
VCHM	baz=261		eS	Sb	16 04 08.8 -3.1
NWLT	baz=15	1.41 22	eP	Pg	16 03 53.4 -0.4
NWLT	baz=15	1.41 12	Pg	Pb	16 03 53.4 -0.4
WLTB	baz=18		eS	Sn	16 04 14.6 +2.2
TWC	baz=38	1.41 36	↑P	Pn	16 03 52.6 -0.7
TWC	baz=38		eS	Sn	16 04 12.6 +0.2
TWE	baz=40	1.42 28	eP	Pn	16 03 52.4 -1.0
TWE	baz=40		eS	Sn	16 04 13.6 +1.1
SLBB	baz=40	1.43 27	↑P	Pn	16 03 52.5 -1.2
SLBB	baz=40		eS	Sn	16 04 14.1 +1.0
HEN	baz=183	1.47 187	eP	Pb	16 03 54.3 -0.3
HEN	baz=183		eS	Pg	16 04 16.9 +3.0
ILA	baz=32	1.49 30	eP	Pg	16 03 54.9 -0.5
NCUH	baz=11	1.51 9	eP	Pg	16 03 55.7 -0.1
NCUH	baz=11		eS	Sg	16 04 15.9 +0.4
NCU	baz=11	1.52 9	eP	Pn	16 03 54.7 -0.1
NCU	baz=11		eS	Pg	16 04 16.4 +0.9
TWK1	baz=191	1.52 184	eP	Pb	16 03 55.0 -0.6
TWK1	baz=191		eS	Sg	16 04 18.8 +3.1
TWKBT	baz=191	1.52 184	↑P	Pb	16 03 55.0 -0.6
TWKBT	baz=191		eP	Pg	16 04 17.8 +2.0
LAY	baz=153	1.53 158	eP	Pn	16 03 53.6 -1.4
EOS1	baz=46	1.54 45	eP	Pg	16 03 55.6 -0.6
EOS1	baz=46		eS	Pg	16 04 17.8 +1.6
TSEB	baz=196	1.56 181	eP	Pg	16 03 56.6 -0.1
TATO	baz=196	1.59 19	ePn	Pn	16 03 55.6 -0.1
TWC	baz=49	1.61 31	eP	Pg	16 03 57.9 +0.3
TWA	baz=23	1.62 21	eP	Pn	16 03 56.1 -0.1
TWA	baz=23		eS	Pg	16 04 20.3 +1.4
EGS	baz=52	1.65 33	eP	Pb	16 03 57.6 -0.2

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TAP	baz=29	1.65 18	eP	Pb	16 03 57.6 -0.2
TAP	baz=29		eS	Sg	16 04 20.2 +0.3
TAP1	baz=29	1.66 19	eP	Pn	16 03 56.1 -0.6
TAP1	baz=29		eS	Sg	16 04 21.5 +1.5
TWS1	baz=17	1.69 15	eP	Pb	16 03 57.6 -0.8
TWS1	baz=17		eS	Pg	16 04 20.8 -0.3
TIPB	baz=17	1.71 28	↑P	Pb	16 03 58.1 -0.7
TIPB	baz=29		eS	Sg	16 04 21.8 +0.2
NTST	baz=17	1.75 15	eP	Pn	16 03 58.2 +0.2
NTST	baz=17		eS	Pg	16 04 22.4 -0.8
YM04	baz=20	1.77 18	eP	Pb	16 03 58.8 -1.1
YM04	baz=20		eS	Sb	16 04 22.2 -0.2
YM01	baz=21	1.77 19	eP	Pb	16 03 59.4 -0.5
YM01	baz=21		eS	Sg	16 04 23.1 -0.7
NWF	baz=26	1.77 26	eP	Pb	16 03 59.5 -0.5
NWF	baz=26		eS	Sg	16 04 23.5 -0.4
WFSB	baz=26	1.77 26	eP	Pb	16 03 59.7 -0.3
WFSB	baz=26		eS	Sg	16 04 23.7 -0.2
YM10	baz=20	1.78 19	eP	Pn	16 03 58.7 +0.3
YM10	baz=20		eS	Sg	16 04 23.1 -0.9
YM05	baz=20	1.79 19	eP	Pn	16 03 58.7 +0.1
YM05	baz=20		eS	Sb	16 04 23.2 +0.2
YM11	baz=21	1.79 19	eP	Pn	16 03 59.0 +0.4
YM11	baz=21		eS	Sg	16 04 25.7 +1.4
YM03	baz=20	1.79 18	eP	Pn	16 03 58.6 0.0
YM03	baz=20		eS	Sg	16 04 23.9 -0.5
TWB1	baz=48	1.81 32	↑P	Pb	16 03 59.8 -0.8
TWB1	baz=48		eP	Pb	16 04 24.8 -0.3
YM07	baz=34	1.81 20	eP	Pn	16 03 59.3 +0.4
YM07	baz=34		eS	Sg	16 04 24.3 -0.8
YM08	baz=21	1.82 19	eP	Pb	16 04 00.1 -0.5
YM08	baz=21		eS	Pg	16 04 24.9 -0.3
TWY	baz=32	1.90 19	eP	Pb	16 04 02.0 -0.1
TWY	baz=32		eS	Sg	16 04 27.5 -0.4
JYNG	baz=62	2.09 62	P	Pn	16 04 03.5 -1.7
JYNG	baz=62		S	Sb	16 04 29.5 +0.5
YOJ	baz=62	2.14 62	eP	Pn	16 04 02.8 -0.6
YOJ	baz=62		eS	Sn	16 04 30.5 0.0
YOJ	baz=62	2.14 62	ePn	Pn	16 04 02.4 -1.0
YOJ	baz=62	2.14 62	eP	Pn	16 04 02.4 -1.0
YOJ	baz=62	2.14 62	eP	Pn	16 04 03.2 -0.2
YOJ	baz=62	2.14 62	eP	Pn	16 04 03.1 +0.4
PTMZ	baz=318	2.28 314	eP	Pn	16 04 03.7 -1.6
PTMZ	baz=318		eP	Pn	16 04 03.4 -1.9
PCYT	baz=308	2.29 333	eP	Pn	16 04 03.4 -1.9
PCYT	baz=308	2.39 25	eP	Pn	16 04 08.0 +1.2
KNM	baz=295	2.47 293	eP	Pn	16 04 07.5 -0.4
KNM	baz=295	2.53 294	eP	Pn	16 04 06.6 -2.1
QZH	baz=257	2.59 305	↓Pn	Sn	16 04 07.3 -2.3
QZH	baz=257		Smax	Smax	16 04 38.0 -3.6
QZH	comp=N,2um,1.2s		Smax	Smax	
HATJ	baz=0.8s	2.70 77	P	Pn	16 04 11.6 +0.6
HATJ	baz=0.8s		eS	Sn	16 04 44.8 +0.7
IRIF	baz=0.8s	2.70 71	P	Pn	16 04 11.5 +0.4
IRIF	baz=0.8s		eS	Pn	16 04 45.2 +0.9
MATB	baz=346	2.82 342	eP	Pn	16 04 10.9 -1.8
JKRS	baz=346	2.92 74	P	Pn	16 04 15.2 +1.1
JKRS	baz=346	2.95 280	eP	Pn	16 04 12.9 -1.6
ZPLA	baz=282	3.06 298	eP	Pn	16 04 14.2 -1.7
AXDP	baz=302	3.07 72	P	Pn	16 04 16.0 -0.1
JJ	baz=302	3.07 72	P	Pn	16 04 52.8 -0.6
JJ	baz=302	3.14 327	eP	Pn	16 04 16.4 -0.7
MHZO	baz=330		eS	Sn	16 04 53.8 -1.3
MHZO	baz=330	3.18 289	eP	Pn	16 04 15.7 -1.9
ZZJH	baz=292	3.25 341	eP	Pn	16 04 17.3 -1.3
LYJJ	baz=346	3.29 69	P	Pn	16 04 19.1 0.0
JISG	baz=346	3.29 69	P	Pn	16 04 58.9 +0.3
JISG	baz=346	3.51 349	eP	Pn	16 04 21.1 -1.1
XPSS	baz=353	3.64 71	P	Pn	16 04 24.2 +0.2
JTJ	baz=353	4.10 70	eS	Sn	16 05 17.8 -1.1
JIRB	baz=353	4.20 69	eS	Sn	16 05 21.5 +0.3
IKJM	baz=353	4.20 71	eS	Sn	16 05 22.2 +0.9
JM	baz=353	4.29 72	P	Pn	16 04 34.7 +1.8
JM	baz=353	4.77 236	eP	Pn	16 04 39.6 +0.1
JM	baz=353	6.93 260	P	Pn	16 05 11.0 +1.7
JM	baz=353	6.99 268	P	Pn	16 05 05.8 -4.2
MCO	baz=299		P	Pn	
GZH	comp=N,1um,0.8s		Smax	Smax	
GZH	comp=N,1um,1.0s		Smax	Smax	
JOW	baz=5.4	7.45 62	Pn	Pn	16 05 16.1 -0.2
JOW	baz=5.4	7.45 62	Pn	Pn	16 05 16.3 0.0
JOW	baz=5.4	7.45 62	Pn	Pn	16 05 18.3 -0.1
SSE	baz=5.4	7.60 2	P	Pn	16 06 51.5 +6.4
SSE	baz=5.4		S	Sn	
SSE	baz=5.4		LR	LR	
SSE	comp=N,1um,13.4s		LR	LR	
SSE	comp=E,5um,14.3s		LR	LR	
NJ2	baz=0.9s	8.75 348	eP	Pn	16 05 33.3 -0.8
NJ2	baz=0.9s		S	Sn	16 07 14.5 +1.3
NJ2	comp=Z,78nm,0.9s		Smax	Smax	
NJ2	comp=Z,440nm,4.6s		Smax	Smax	
NJ2	comp=N,940nm,0.8s		Smax	Smax	
NJ2	comp=E,750nm,0.9s		LR	LR	
NJ2	comp=N,6um,7.6s		LR	LR	
NJ2	comp=E,17um,13.6s		LR	LR	
NJ2	comp=Z,6um,7.9s		LR	LR	
WHN	baz=6.8s	9.17 322	P	Pn	16 05 33.8 -6.1
WHN	baz=6.8s		S	Sn	16 07 05.3 -1.8
WHN	comp=N,19um,8.3s		LR	LR	
WHN	comp=E,14um,6.8s		LR	LR	
WHN	comp=Z,18um,4.9s		LR	LR	
TGY	baz=6.8s	9.31 180	Pn	Pn	16 05 41.8 -0.2

TGY	comp=Z,22nm,0.3s, baz=164,slow=20,SNR=2.5	LR	LR	16 09 44.2
QIZ	comp=Z,2um,21.1s, baz=18,slow=41	P	Pn	16 06 08.8 +0.4
QIZ	11.24 249	S	Sn	16 08 14.3 -0.3
QIZ	comp=Z,58nm,2.2s	Pmax	Pmax	
QIZ	comp=Z,4um,16.9s	LR	LR	
QIZ	comp=Z,3um,14.9s	LR	LR	
QIZ	comp=Z,3um,12.4s	LR	LR	
ENH	12.25 306	ePn	Pn	16 06 22.3 +0.1
JNU	13.00 40	Pn	Pn	16 06 34.6 +2.1
TIA	comp=Z,0.2nm,0.3s, baz=149,slow=15,SNR=3.0	P	P	16 06 40.8 -3.6
TIA	13.12 346	S	Sn	16 08 43.0 -1.8
TIA	comp=Z,12nm,0.7s	Pmax	Pmax	
TIA	comp=Z,210nm,2.6s	LR	LR	
TIA	comp=N,2um,12.1s	LR	LR	
TIA	comp=E,3um,7.6s	LR	LR	
GUY	comp=Z,2um,11.4s	LR	LR	
GUY	13.28 286	↑P	Pn	16 06 36.3 -0.1

30d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SONMG Songo Array, ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

MEX 30 17:59:22.3-0.6, 14:45N-93:20W, h20km, MD3.6, Near coast of Chiapas

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

ISCJB 30 18:01:46.8-1.0, 53:53N-02:35:3W, 0.2, h16km, mb3.5/9, MS3.6/1, Error ellipse: s-maj=29.4km s-min=16.3km, az=19.3

ISC 30 18:01:46.3-1.1, 53:53N-35:29W, h0km, mb3.6/9, mb1 3.7/9, mb1mx3.6/42, mbtmp3.6/9, MS3.7/1, Ms1 3.7/1, ms1mx2.7/42, Error ellipse: s-maj=37.5km s-min=20.1km, az=20.0

ISC 30 18:01:48.6-1.1, 53:53N-02:35:3W, 0.1, h16km, n12, o5611/11, mb3.6/9, Reykjanes Ridge

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

ISC 30 18:11:31.4-1.1, 31:04S-177:97W, h0km, mb4.3/5, mb1 4.4/6, mb1mx4.1/28, mbtmp4.2/6, ML3.0/1, Ms1 3.2/1, ms1mx2.6/34, Error ellipse: s-maj=35.7km s-min=20.5km az=126.0

ISCJB 30 18:11:36.5-1.2, 31:0S-0:1x178:2W, 0.2, h46km, mb4.3/5, MS3.1/1, Error ellipse: s-maj=33.0km s-min=8.6km, az=22.1

ISC 30 18:11:37.8-0.9, 30:94S-0:10:178:1W, 0.2, h46km, n15, o143/17, mb4.3/5, Kermadec Islands

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

NIED 30 18:16:00, 34:20N-138:70E, h250km, Mw4.1 Best double couple: M0=1.45000e+10, NP1=125.00000, 3.16, 0.00000, lambda=174.00000, NP2=29.00000, 888.00000, lambda=74.00000

ISCJB 30 18:16:21.0-0.3, 34:14N-105:138:61E, 0.0, h252km, 2km, mb3.6/18, Error ellipse: s-maj=7.9km s-min=7.4km az=171.7

JMA 30 18:16:21.0-0.2, 34:17N-138:68E, h253km, 2km, M3.9

ISC 30 18:16:22.0-0.6, 34:20N-138:59E, h244km, 8km, mb3.3/17, mb1 3.5/23, mb1mx3.4/43, mbtmp4.0/23, Error ellipse: s-maj=14.9km s-min=10.9km az=70.0

ISC 30 18:16:22.0-0.6, 34:20N-138:60E, 0.0, h248km, 5km, n51, o152/68, mb3.7/18, SC-3D, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like JSKK, TK03, etc.

2012 DEC

Main table with columns: T, Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like TTO1, JRY, BSO, etc.

MAN 30 18:17:44.0, 9:91N-124:99E, h28km, mb4.0, ML2.7, MS2.3, 1C, Mindanao

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

MEX 30 18:19:49.2-0.8, 14:56N-93:08W, h16km, 99gkm, MD3.5, Near coast of Chiapas

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

ISC 30 18:36:47.9-2.2, 7:70S-130:04E, h0km, mb3.2/1, mb1 3.3/4, mb1mx3.2/32, mbtmp3.1/4, ML2.5/3, Error ellipse: s-maj=84.7km s-min=27.1km az=75.0, Tanimbar region

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

ISC 30 18:39:52.2-2.1, 0:74N-126:59E, h0km, mb3.3/3, mb1 3.6/3, mb1mx3.3/34, mbtmp3.4/3, Error ellipse: s-maj=165.8km s-min=27.2km az=66.0, Northern Molucca Sea

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

NIED 30 18:47:00, 38:20N-144:20E, h5km, Mw3.8 Best double couple: M0=5.85000e+10, NP1=354.00000, 829.00000, lambda=160.00000, NP2=247.00000, 881.00000, lambda=63.00000

ISC 30 18:47:03.8-0.9, 37:90N-144:29E, h0km, mb3.4/6, mb1 3.7/8, mb1mx3.5/55, mbtmp3.5/8, ML4.0, MS2.9/1, Ms1 2.9/1, ms1mx2.4/29, Error ellipse: s-maj=27.0km s-min=20.6km az=132.0

ISCJB 30 18:47:06.4-0.7, 38:20N-144:20E, 0.05, h33km, mb3.3/6, Error ellipse: s-maj=6.0km s-min=5.3km, az=161.7

JMA 30 18:47:06.7-0.2, 38:19N-144:16E, h45km, M4.0

ISC 30 18:47:08.8-1.0, 38:22N-105:144:13E, 0.07, h35km, n27, o25/142, mb3.4/6, Off east coast of Honshu

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

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

GUC 30 18:58:31.9-0.7, 24:19S-67:60W, h220km, 16km, ML3.7, 4C-3D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PB15, GO02, etc.

JMA 30 19:12:53.0-0.2, 37:24N-134:63E, h418km, M3.6, Sea of Japan

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

ISCJB 30 19:14:00.9-1.4, 1:47S-0:03:120:04E, 0.06, h4km, 10km, mb3.3/5, Error ellipse: s-maj=10.3km s-min=4.9km, az=17.2

ISC 30 19:14:00.3-2.0, 2:47S-118:90E, h0km, mb3.3/5, mb1 3.4/5, mb1mx3.3/34, mbtmp3.3/5, Error ellipse: s-maj=184.4km s-min=21.5km az=62.0

DJA 30 19:14:03.0-0.1, 1:52x1:12:0E, lambda=110km, M3.6/12, ML3.6/12

ISC 30 19:14:01.1-1.8, 1:51S-0:04:120:02E, 0:07, h7km, 14km, n14, o147/20, mb3.3/5, Sulawesi

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

NIED 30 19:23:00, 26:00N-127:20E, h50km, Mw4.1 Best double couple: M0=1.80000e+10, NP1=30.00000, 828.00000, lambda=151.00000, NP2=244.00000, 877.00000, lambda=65.00000

ISC 30 19:23:01.5-0.7, 25:98N-127:03E, h0km, mb3.7/15, mb1 3.9/17, mb1mx3.8/43, mbtmp3.7/17, ML3.4/2, MS2.8/3, Ms1 2.8/3, ms1mx2.7/44, Error ellipse: s-maj=18.8km s-min=15.3km az=92.0

JMA 30 19:23:07.9-0.3, 26:01N-127:22E, h43km, 2km, M3.8

JMA Felt J1

ISC 30 19:23:05.0-2.1, 25:94N-108:127:18E, 0:05, h23km, 14km, n27, o19/10/34, mb3.8/16, Ryukyu Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Kunigami, Yoronjima, Nakatsue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Diego Garcia, Filtroz Crossi, Sorong, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Ulaanbaatar, Matushiro Arr, Karatay Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include Bougainville-Solomon Islands region stations like Warramunga Arr, Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Warramunga Arr, Warramunga Arr, Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Borovoye, Khabaz, Novokhoprovsk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include Bougainville-Solomon Islands region stations like Warramunga Arr, Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Warramunga Arr, Warramunga Arr, Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Borovoye, Khabaz, Novokhoprovsk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Kerinci, Pulau Pagai, Padang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Warramunga Arr, Warramunga Arr, Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Vriocioia, Buocovina Array, Vitosha, etc.

30d 20h

ONI S Sb 19 33 333 -0.5

ISCJB 30 20:01:03.3±0.5, 43.82N±0.05±105.27W±0.07, h0km, mb3.8/2, Error ellipse: s-maj=7.1km s-min=7.1km az=145.4

IDC 30 20:01:04.3±1.4, 43.85N±105.69W, h0km, mb3.8/2, mb1 3.4/5, mb1mx3.3/48, mbtmp3.3/5, ML2.1/2, Error ellipse: s-maj=34.2km s-min=9.4km az=147.0

NEIC 30 20:01:05.1±0.4, 43.80N±105.30W, h0km, ML3.3, Error ellipse: s-maj=2.8km s-min=5.8km az=104.0, Suspected Mining explosion.

NEIC 56 km [35 miles] SSE of Gillette, ISC 30 20:01:04.6±1.0, 43.80N±107.105±32W±0.07, h0km, n20, ±10/18, Wyoming

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like Black Hills, Red Lodge, Pinedale Array, etc.

ISCJB 30 20:29:46.5±0.5, 36.66N±0.04±71.17E±0.06, h150km, mb3.5/2, Error ellipse: s-maj=7.4km s-min=4.9km az=142.0

IDC 30 20:29:47.2±5.1, 36.59N±71.28E, h180km±29km, mb3.3/2, mb1 3.2/9, mb1mx3.0/44, mbtmp3.7/9, Error ellipse: s-maj=59.6km s-min=18.7km az=156.0

NCC 30 20:29:50.2±3.7, 37.25N±70.58E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=28.5km s-min=19.4km az=169.0

ISC 30 20:29:47.6±1.0, 36.73N±0.08±71.11E±0.07, h150km, n24, ±178/27, 5C-5D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like Sufi-Kurgan, Karatay Arry, Aak-Archa, etc.

ISCJB 30 20:49:26.9±0.2, 12.63S±0.04±70.85W±0.04, h33km, mb5.0/136, MS4.5/23, Error ellipse: s-maj=6.4km s-min=4.1km az=40.3

NEIC 30 20:49:27.8±1.8, 12.86S±70.94W, h28km±13km, mb5.2/108, ML5.2(ARE), Error ellipse: s-maj=8.8km s-min=5.4km az=59.0

NEIC Felt III at Cosco, IDC 30 20:49:28.1±1.6, 12.89S±71.00W, h33km±10km, mb4.3/18, mb1 4.5/24, mb1mx4.4/40, mbtmp4.5/24, ML4.4/5, MS4.4/28, Ms1 4.4/28, ms1mx4.5/31, Error ellipse: s-maj=14.9km s-min=11.2km az=51.0

BJJ 30 20:49:29.8, 13.30S±71.50W, h39km, mb5.2/6, Ms5.3/7, Ms7.5/18

GCMT 30 20:49:30.7±0.4, 12.57S±0.03±71.21W±0.03, h51km±2km, MW5.0/57, Moment Tensor Solution. s32,c40; s57,c69; Duration: 0 Moment tensor: Scale 10^19Nm; Mr0,3±4±26; Mw=2.83±.17; Mw2.49±.25; Mw-1.60±.11; Mw-2.0±.15; NP1±.117.00000±.82.00000±.1-161.00000±. NP2: ±2.4.00000±.871.00000±.1-9.00000±. Principal axes: T 3.2610, P167.0000±, Azm249.0000±, N 0.9630, P169.0000±, Azm140.0000±, P-4.1200, P120.0000±, Azm342.0000±. nsta1 refers to surface waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ARE 30 20:49:35.0±0.0, 13.30S±71.54W, h169km, ISC 30 20:49:28.6±0.3, 12.91S±0.05±71.02W±0.05, h35km, n414, ±1564/424, mb5.1/136, MS4.5/24, 1C, Central Peru

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Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like La Paz, Nana, Minye, etc.

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Table with columns: X41A, Station Name, Time, Res, ISC. Lists stations like Kaden, Bauxite, Clarksville, etc.

KSU1	Kansas State U	56.99	336	P	P	20 59 09.8	-0.9
121A	Cookes Peak, D	57.25	323	P	P	20 59 13.8	+0.9
M39A	Webster	57.53	341	P	P	20 59 11.9	-2.6
L41A	Preston	57.58	343	P	P	20 59 11.7	-3.0
L40A	Anamosa	57.77	342	eP	P	20 59 14.0	-2.2
L40A	Anamosa	57.77	342	P	P	20 59 13.6	-2.5
K42A	Prairie Point,	57.91	344	P	P	20 59 14.3	-2.8
LENM	Lemitar	57.97	325	eP	P	20 59 18.5	+0.5
I47A	Gladwin	57.97	349	P	P	20 59 16.7	-0.9
CBKS	Cedar Bluff	58.03	334	eP	P	20 59 18.4	+0.3
CBKS	Cedar Bluff	58.03	334	P	P	20 59 18.1	0.0
L39A	Vinton	58.06	342	P	P	20 59 16.0	-2.3
SCIA	State Center	58.25	341	eP	P	20 59 17.8	-1.7
SCIA	State Center	58.25	341	P	P	20 59 17.8	-1.7
ANMO	Albuquerque	58.26	326	eP	P	20 59 19.4	-0.6
ANMO	Albuquerque	58.26	326	P	P	20 59 20.3	+0.3
JFWS	Jewell Farm	58.28	343	eP	P	20 59 17.7	-2.0
JFWS	Jewell Farm	58.28	343	P	P	20 59 17.3	-2.4
K40A	Colesburg	58.34	343	P	P	20 59 17.5	-2.6
K39A	Delwin	58.56	342	P	P	20 59 19.3	-2.4
I42A	Draeger Farm,	58.84	345	P	P	20 59 21.0	-2.6
T25A	Trinidad	58.86	329	P	P	20 59 25.1	+0.9
J40A	Soldiers Grove	58.86	343	P	P	20 59 21.3	-2.5
TUC	Tucson	58.90	321	P	P	20 59 24.4	+0.1
J39A	Decorah	59.08	343	P	P	20 59 22.4	-2.9
I41A	Arkdale	59.24	344	P	P	20 59 23.7	-2.7
I40A	Norwalk	59.29	344	P	P	20 59 24.0	-2.7
KSCO	Kaye Shedlock	59.48	332	P	P	20 59 28.7	+0.4
I39A	Houston	59.51	343	eP	P	20 59 26.1	-2.1
I39A	Houston	59.51	343	P	P	20 59 25.7	-2.5
BGNE	Belgrade	59.57	337	eP	P	20 59 28.2	-0.5
BGNE	Belgrade	59.57	337	P	P	20 59 27.7	-1.1
H41A	Junction City	59.70	345	P	P	20 59 26.9	-2.7
SDCO	Great Sand Dun	59.88	329	eP	P	20 59 31.9	+0.6
SDCO	Great Sand Dun	59.88	329	P	P	20 59 32.0	+0.7
H40A	Chili	59.90	344	P	P	20 59 28.9	-2.0
214A	Organ Pipe Nat	59.93	319	P	P	20 59 32.2	+0.7
H38A	Maiden Rock	60.48	343	P	P	20 59 32.9	-1.9
S22A	4UR Ranch, Cre	60.56	328	P	P	20 59 36.6	+0.7
F41A	Three Lakes	60.61	346	P	P	20 59 33.4	-2.4
Q24A	Divide	60.65	330	P	P	20 59 37.1	+0.5
X16A	Lo Mia Camp, P	60.74	322	eP	P	20 59 38.2	+1.0
OGNE	Ogallala	60.78	333	eP	P	20 59 37.5	+0.3
OGNE	Ogallala	60.78	333	P	P	20 59 37.5	+0.3
G38A	Ridgeland	60.81	343	P	P	20 59 34.8	-2.3
ECSD	EROS Data Cent	61.02	339	eP	P	20 59 36.9	-1.6
ECSD	EROS Data Cent	61.02	339	P	P	20 59 37.0	-1.6
F40A	Park Falls	61.04	345	P	P	20 59 36.5	-2.2
MVCO	Mesa Verde	61.05	326	eP	P	20 59 39.8	+0.5
MVCO	Mesa Verde	61.05	326	P	P	20 59 39.9	+0.7
SPMN	Marine on St.	61.13	343	eP	P	20 59 37.5	-1.8
SPMN	Marine on St.	61.13	343	P	P	20 59 37.6	-1.7
R39A	Loretta	61.24	344	P	P	20 59 37.9	-2.1
FKXT	Rikitea	61.27	251	eLR	LR	21 18 42.8	
WUAZ	Wupatki	61.46	323	P	P	20 59 42.9	+1.0
E40A	Wakefield	61.47	345	P	P	20 59 39.7	-1.9
ISCO	Idaho Springs	61.52	330	eP	P	20 59 43.1	+0.7
ISCO	Idaho Springs	61.52	330	P	P	20 59 43.3	+0.9
F38A	Pierce - Schro	61.54	344	P	P	20 59 40.0	-2.1
E39A	Mellen	61.57	345	P	P	20 59 40.5	-1.8
PV01	Paradox Valley	61.77	327	eP	P	20 59 44.9	+0.9
PV02	Paradox Valley	61.91	327	eP	P	20 59 46.1	+1.1
PV13	Radium Mtn., P	61.92	327	eP	P	20 59 46.1	+1.0
PV03	Paradox Valley	62.00	327	eP	P	20 59 46.4	+0.8
PV12	Saucer Basin,	62.02	327	eP	P	20 59 46.8	+1.1
E38A	The Farm, Brul	62.05	344	P	P	20 59 43.4	-2.1
PV11	David Mesa, Pa	62.05	327	eP	P	20 59 46.9	+1.0
PV16	Nyswonger Mesa	62.08	327	eP	P	20 59 47.0	+0.9
PV17	East Wray Mesa	62.08	327	eP	P	20 59 46.9	+0.8
PV14	Lion Creek, Pa	62.18	327	eP	P	20 59 47.2	+0.3
Y12C	Blythe	62.19	320	P	P	20 59 47.6	+0.9
PDMCI	Parker Dam,Lak	62.31	320	P	P	20 59 48.1	+0.6
SUSD	Miller	62.47	338	P	P	20 59 47.4	-1.0
N23A	Red Feather La	62.53	331	P	P	20 59 49.5	+0.3
U15A	North Rim	62.63	323	eP	P	20 59 51.0	+1.1
BC3	Big Chuckawall	62.72	319	P	P	20 59 50.6	+2.2
IRM	Iron Mountain	62.85	320	P	P	20 59 52.6	+1.5
O20A	White River Ci	62.88	329	P	P	20 59 53.6	+0.9
EYMN	Ely	63.27	345	eP	P	20 59 51.8	-1.8
EYMN	Ely	63.27	345	P	P	20 59 51.7	-1.8
BELC	Belle Mtn. Jos	63.29	319	P	P	20 59 55.7	+1.5
TPFO	Pinon Flats	63.34	318	P	P	20 59 55.5	+1.0
PKCU	Pink Cliffs	63.34	324	eP	P	20 59 56.0	+1.3
KNB	Kanab	63.34	323	eP	P	20 59 56.1	+1.6
PFO	Pinyon Flats O	63.34	318	P	P	20 59 55.5	+1.0
SRU	San Rafael Swe	63.52	326	eP	P	20 59 56.4	+0.7

GMRC	Granite Mounta	63.58	320	P	P	20 59 56.8	+0.7
LCMT	Little Creek M	63.58	323	eP	P	20 59 57.6	+1.5
MTPU	Mount Pierson	63.68	325	eP	P	20 59 57.9	+1.0
Q16A	Castle Valley	63.74	326	eP	P	20 59 58.2	+1.1
SZCU	Shurtz Canyon	63.89	324	eP	P	20 59 59.6	+1.5
P17A	Butcher Ranch,	63.90	327	eP	P	20 59 59.2	+1.1
MSU	McKenzie	64.01	325	eP	P	20 59 01.1	+1.1
CCUT	Cedar City	64.02	323	eP	P	20 59 01.1	+2.0
TMUT	Trail Mountain	64.03	326	eP	P	21 00 00.2	+1.0
HEC	Hector Ludlow	64.03	319	P	P	21 00 00.1	+1.1
TUQ	Turquoise Moun	64.16	320	P	P	21 00 00.7	+0.8
K22A	Casper	64.17	332	eP	P	21 00 00.3	+0.5
K22A	Casper	64.17	332	P	P	21 00 00.1	+0.3
RSSD	Black Hills	64.22	334	eP	P	21 00 01.1	+0.8
RSSD	Black Hills	64.22	334	P	P	21 00 01.9	+0.6
SHPR	Sheep Range	64.39	322	eP	P	21 00 02.7	+1.3
GSC	Goldstone, Bar	64.63	320	eP	P	21 00 04.0	+1.1
GSC	Goldstone, Bar	64.63	320	P	P	21 00 04.4	+1.5
AGMN	Agassiz Nation	64.81	342	eP	P	21 00 02.3	-1.4
AGMN	Agassiz Nation	64.81	342	P	P	21 00 02.3	-1.4
DECO	Greco Verdugo	64.96	318	P	P	21 00 06.9	+1.9
EDW2	Edwards Air Fo	65.13	319	P	P	21 00 06.6	+0.5
LRMC	Laurel Mtn Rd	65.30	319	P	P	21 00 08.1	+0.8
TPNV	Topopah Spring	65.34	321	eP	P	21 00 09.0	+1.4
TPNV	Topopah Spring	65.34	321	P	P	21 00 08.7	+1.1
FURC	Furnace Creek,	65.41	321	P	P	21 00 09.0	+1.2
TCUT	Toone Canyon	65.44	327	eP	P	21 00 09.4	+1.1
DUG	Dugway, Tooele	65.53	326	eP	P	21 00 09.8	+1.0
DUG	Dugway, Tooele	65.53	326	P	P	21 00 09.6	+0.8
MPMC	Manual Prospec	65.54	320	P	P	21 00 09.9	+0.9
MDND	Maddock	65.63	339	P	P	21 00 08.7	-0.3
BW06	Boulder Array	65.70	330	eP	P	21 00 09.9	-0.1
BW06	Boulder Array	65.70	330	P	P	21 00 09.8	-0.1
PD31	Pinedale Array	65.70	330	eP	P	21 00 09.9	0.0
PDAR	Pinedale Array	65.70	330	eP	P	21 00 09.8	-0.2
PDAR	Pinedale Array	65.70	330	P	P	21 01 04.6	
DAC	Darwin (Calif)	65.74	320	eP	P	21 00 10.0	-0.3
ARVC	Arvin	65.82	318	P	P	21 00 12.2	+1.7
R11A	Troy Canyon, C	65.86	323	eP	P	21 00 12.3	+1.3
R11A	Troy Canyon, C	65.86	323	P	P	21 00 12.2	+1.3
HWUT	Hardware Ranch	65.87	328	eP	P	21 00 11.1	+0.1
ISA	Isabella Lake	65.92	319	eP	P	21 00 12.8	+1.5
ISA	Isabella Lake	65.92	319	P	P	21 00 12.8	+1.5
CWC	Cottonwood Cre	66.15	320	P	P	21 00 14.4	+1.5
PKM	Mpherson Peak	66.32	318	P	P	21 00 14.5	+0.5
VES	Vestal, Richgr	66.42	319	P	P	21 00 15.6	+1.2
ULM	Lac du Bonnet	66.56	343	P	P	21 00 13.1	-1.8
ULM	Lac du Bonnet	66.56	343	P	P	21 00 57.2	
ULM	Lac du Bonnet	66.56	343	P	P	21 00 13.2	-1.8
HVU	Hansel Valley	66.63	327	eP	P	21 00 16.5	+0.7
REDW	Red Top Meadow	66.78	329	eP	P	21 00 17.3	+0.4
LOHW	Long Hollow	66.84	330	eP	P	21 00 17.6	+0.4
MOOW	Moose Ponds	67.01	330	eP	P	21 00 18.6	+0.3
FKXY	Fox Creek	67.07	330	eP	P	21 00 19.1	+0.5
LAO	LASA Array	67.20	334	eP	P	21 00 19.5	+0.3
LAO	LASA Array	67.20	334	P	P	21 00 19.4	+0.2
IMW	Indian Meadow	67.22	330	eP	P	21 00 20.4	+0.7
FLWY	Flagg Ranch	67.24	330	eP	P	21 00 20.7	+1.1
RLMT	Red Lodge	67.33	332	eP	P	21 00 20.8	+0.5
RLMT	Red Lodge	67.33	332	P	P	21 00 20.8	+0.5
H17A	Grant Village	67.41	330	eP	P	21 00 22.3	+1.5
H17A	Grant Village	67.41	330	P	P	21 00 22.4	+1.6
NV11	Mina Array Sit	67.45	321	eP	P	21 00 21.9	+0.8
NV01	Mina Array Sit	67.54	321	eP	P	21 00 22.6	+0.9
NVAR	Mina Array Bea	67.54	321	eP	P	21 00 22.5	+0.8
NVAR	Mina Array Bea	67.54	321	P	P	21 31 45.0	
SCHO	Schefferville	67.57	3	LR	LR	21 31 15.0	
YMR	Madison River	67.80	330	eP	P	21 00 24.8	+1.5
KVN	Katerville	67.81	322	eP	P	21 00 24.4	+1.1
DGMT	Dagmar	67.82	337	eP	P	21 00 23.3	+0.2
TAOE	Nuku Hiva Isla	67.84	266	eLR	LR	21 21 45.4	
YHB	Horse Butte	67.97	330	eP	P	21 00 25.8	+1.5
GCMT	Greycliff	68.02	332	eP	P	21 00 25.1	+0.6
LIC	Lamto	68.25	332	eP	P	21 00 27.8	+1.4
WAKR	Walker	68.28	321	eP	P	21 00 28.3	+1.9
TIC	Toumodi	68.38	77	eP	P	21 00 32.7	+5.5
YERR	Yerrol	68.46	321	eP	P	21 00 29.1	+1.7
DBIC	Dimbokro	68.54	77	P	P	21 00 29.1	+0.9
DBIC	Dimbokro	68.54	77	P	P	21 29 34.6	
KIC	Kosan Boka	68.56	78	LR	LR	21 00 29.1	+0.7
HLID	Hailey	68.74	328	eP	P	21 00 30.1	+1.1
HLID	Hailey	68.74	328	P	P	21 00 30.3	+1.2
BOZ	Bozeman (W)	68.80	331	eP	P	21 00 30.1	+0.7
BOZ	Bozeman (W)	68.80	331	P	P	21 00 30.1	+0.7
UNA3	Neumayer Olymp	68.82	162	P	P		

30d 22h

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

DDA 30 20:53:55.6, 37.52N, 35.69E, h7km, ML2.5
ISCJB 30 20:53:56.1, 0.6, 37.46N, 0.03, 35.72E, 0.03, h7km, 4km, Error ellipse: s-maj=5.9km s-min=4.3km az=166.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kozan, Andrin, Adana, Gulek, etc.

DDA 30 20:59:17.4, 1.3, 12.87S, 71.21W, h0km, mb3.3/4, mb1 3.7/6, mb1mx3.6/33, mbtmp3.5/6, ML3.5/2, Error ellipse: s-maj=57.2km s-min=23.3km az=52.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like La Paz, LPAZ, LVC, etc.

DDA 30 20:59:34.0, 1.1, 8.78N, 92.98E, h0km, mb3.9/4, mb1 4.0/5, mb1mx3.5/39, mbtmp3.9/5, ML3.8/1, Error ellipse: s-maj=52.5km s-min=20.2km az=43.0, Nicobar Islands region

DDA 30 21:39:41.1, 2.5, 3.90N, 127.45E, h0km, mb3.3/3, mb1 3.8/3, mb1mx3.3/24, mbtmp3.3/3, Error ellipse:

2012 DEC

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

ISCJB 30 21:48:20.2, 0.6, 37.08N, 0.04, 28.77E, 0.05, h0km, Error ellipse: s-maj=6.1km s-min=5.2km az=137.3

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

KRSC 30 21:53:14.1, 1.1, 53.75N, 168.29E, h82km, 31km, ML3.8, Komandorski Islands region

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

DDA 30 21:55:22.6, 1.3, 0.69S, 133.60E, h0km, mb3.8/3, mb1 4.2/6, mb1mx3.8/33, mbtmp4.0/6, ML4.1/4, Error ellipse: s-maj=28.0km s-min=21.3km az=88.0

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

DDA 30 22:03:49.6, 1.6, 53.69N, 164.98W, h0km, mb3.6/5, mb1 4.0/7, mb1mx3.6/37, mbtmp3.7/7, ML3.0/2, Error ellipse: s-maj=32.4km s-min=26.0km az=176.0

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

DDA 30 22:03:53.8, 0.0, 53.68N, 165.07W, h55km, ML3.6(AEIC), After AEIC, NEIC Fell at Akutan.

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

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

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

DDA 30 22:17:18.0, 1.4, 38.26N, 142.38E, h0km, mb3.7/3, mb1 3.9/7, mb1mx3.5/35, mbtmp3.8/7, ML3.6/3, Error ellipse: s-maj=34.6km s-min=19.9km az=85.0

DDA 30 22:17:25.1, 0.1, 38.32N, 141.192E, h50km, 1km, M3.7, JMA Fell II J1.

1496

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

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

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

UCR 30 22:18:57.8, 2.6, 8.01N, 83.14W, h3km, 10km, MD3.7, 1D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PTJ1, BRU2, etc.

DDA 30 22:43:02.7, 1.1, 34.74S, 0.04, 72.58W, 0.09, h10km, Error ellipse: s-maj=5.9km s-min=5.9km az=5.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GO05, GO05, CCHI, etc.

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

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

DDA 30 22:48:06.5, 0.5, 28.18N, 139.01E, 0.1, h524km, mb3.5/10, Error ellipse: s-maj=12.8km s-min=8.1km az=158.1

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

DDA 30 22:48:07.0, 0.7, 28.26N, 139.01E, 0.1, h524km, n19, s-maj=169.22, mb3.2/10, Bonin Islands region

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

ARCES	ARCES Array B	71.56 340	P	P	22 58 35.9	+0.7
YKA	Yellowknife Arr	72.38 23	P	P	22 58 41.5	+1.4
FINES	FINES Array B	75.71 333	P	P	22 58 58.8	-0.2
NOA	NORSAR Array B	81.53 337	P	P	22 59 29.0	-1.1

1DC 30 22:51:40.2,3.1,11.77N:143.30E,h56km,29km,mb3.3/8,mb1 3.5/9,mb1mx3.6/41,mbtmp3.6/9,ML3.5/1,MS3.7/1,Ms1 3.7/1,ms1mx2.8/15,Error ellipse: s-maj=28.7km s-min=20.8km az=121.0

ISC 30 22:51:36.3,1.0,11.8N:02:143.4E:0.2,h2km,n10,c081/10,mb3.7/8, South of Mariana Islands

Code	Station Name	Δ° AZ°	Op	ISC	h m s	ISC	Time	Res
GUMO	Guam	2.27	40	P	Pb	Pb	22 52 15.3	-1.3
GUMO			S	Sb	Sb	Sb	22 52 45.6	+1.3
BATI	Baumgardner	29.39	223	LR	LR	LR	23 10 16.0	
WRA	Warramunga Arr	32.81	196	P	P	P	22 58 08.0	+0.1
CMAR	Chianale Arr	43.31	284	P	P	P	22 59 36.2	-0.3
MKAR	Makachani Array	61.75	317	P	P	P	23 01 52.9	+0.1
ZALV	Zalesovo Beam	62.21	325	P	P	P	23 01 55.8	+0.1
KURBB	Kurchatov Arr	65.03	321	P	P	P	23 02 14.8	+0.4
BVAR	Borovoye Array	70.40	322	P	P	P	23 02 48.7	+0.5
YKA	Yellowknife Arr	85.07	27	P	P	P	23 04 09.4	-0.4
NVAR	Mina Array Bea	89.14	51	P	P	P	23 04 31.0	+0.7

1DC 30 23:34:59.6:1.0,43.00N:0:21W,h0km,mb3.6/6,mb1 3.8/12,mb1mx3.6/41,mbtmp3.7/12,ML4.0/4,MS3.3/7,Ms1 3.4/7,ms1mx3.0/53,Error ellipse: s-maj=24.0km s-min=13.0km az=128.0

ISC/JB 30 23:35:00.5:0.2,43.10N:0:01:29W,0:01,h26km,1km,mb3.7/9,MS3.7/1,Error ellipse: s-maj=2.0km s-min=1.4km az=157.3

MRB 30 23:35:01.2:0.5,43.07N:0:22W,h7km,4km,ML4.3/23,Error ellipse: s-maj=1.6km s-min=1.0km az=190.0

STR 30 23:35:01.6:0.2,43.1N:2 x ±,h5km,ML4.5/7,mb4.7/2,MLv4.4/7

INMG 30 23:35:01.8:1.9,43.07N:0:22W,h2km,2km,ML4.0,Error ellipse: s-maj=1.6km s-min=1.6km az=145.0

SFS 30 23:35:01.0:0.43,04N:0:21W,ML4.1,NAY(FRANCIA)

MDD 30 23:35:01.5:0.2,43.09N:0:21W,h2km,2km,mbLQ4.2/45,Error ellipse: s-maj=2.0km s-min=1.4km az=174.0,PRXIMO

MDD EMS: IV INTENSIDAD MAXIMA-ESPAA,LDG 30 23:35:01.7:0.1,43.09N:0:20W,h2km,ML4.5/5,ML4.7/55,ms3.3/4,Error ellipse: s-maj=1.3km s-min=1.0km az=133.0

NEIC 30 23:35:02.6:0.0,43.18N:0:23W,h2km,ML4.8(LDG),Alter LDG

NEIC Felt at Argeles-Gazost, Asson, Lourdes and Pau, France and at Salient de Gallego, Spain

IGIL 30 23:35:03.0:0.43,05N:0:22W,h2km,ML3.7

ISC 30 23:35:00.2:0.2,43.144N:0:008:0:224W,0:007,h15km,1km,n403,c197/1774,mb3.7/9,5C-12D,Pyrenees

Code	Station Name	Δ° AZ°	Op	ISC	h m s	ISC	Time	Res
PYLO	Lourdes	0.14	109	Pg	Pg	Pg	23 35 05.0	+0.8
PYLO	Lourdes	0.14	109	Pg	Pg	Pg	23 35 06.0	-0.5
PYLO	Lourdes	0.14	109	Pg	Pg	Pg	23 35 04.0	0.0
PYLO	Lourdes	0.14	109	Pg	Pg	Pg	23 35 06.1	-0.4
REYF	Montagne du Re	0.14	239	Pg	Pg	Pg	23 35 05.0	+0.8
LABF	Labassere	0.24	114	Pg	Pg	Pg	23 35 05.3	+0.2
LABF	Labassere	0.24	114	Pg	Pg	Pg	23 35 05.3	-0.2
LABF	Labassere	0.24	114	Pg	Pg	Pg	23 35 05.9	-0.2
VIEF	View	0.32	145	Pg	Pg	Pg	23 35 06.2	-0.7
VIEF	View	0.32	145	Pg	Pg	Pg	23 35 06.2	-0.7
VIEF	View	0.32	145	Pg	Pg	Pg	23 35 06.7	-1.5
ETSF	Etsaut	0.35	225	ePg	Pg	Pg	23 35 07.1	-0.3
ETSF	Etsaut	0.35	225	ePg	Pg	Pg	23 35 11.0	-1.3
ETSF	Etsaut	0.35	225	ePg	Pg	Pg	23 35 07.1	-0.3
ETSF	Etsaut	0.35	225	ePg	Pg	Pg	23 35 07.1	-0.3
ETSF	Etsaut	0.35	225	ePg	Pg	Pg	23 35 07.1	-0.3
ATE	Arette	0.35	261	↑Pg	Pg	Pg	23 35 07.8	+0.2
ATE	Arette	0.35	261	Pg	Pg	Pg	23 35 13.3	
ATE	Arette	0.35	261	Pg	Pg	Pg	23 35 07.7	+0.2
ATE	Arette	0.35	261	Pg	Pg	Pg	23 35 13.3	+0.8
URDF	Urdax	0.40	318	Pg	Pb	Pb	23 35 09.7	+0.7
URDF	Urdax	0.40	318	Pg	Pb	Pb	23 35 17.0	+2.0
URDF	Urdax	0.40	318	Pg	Pb	Pb	23 35 17.1	+2.2
FDFA	Les Forges d'A	0.41	218	P	Pg	Pg	23 35 08.1	-0.4
FDFA	Les Forges d'A	0.41	218	P	Pg	Pg	23 35 13.1	-1.2
EPF	Esparrros	0.43	105	ePg	Pg	Pg	23 35 08.7	-0.2
EPF	Esparrros	0.43	105	ePg	Pb	Pb	23 35 09.3	-0.2
EPF	Esparrros	0.43	105	ePg	Pb	Pb	23 35 15.5	-0.3
EPF	Esparrros	0.43	105	ePg	Pb	Pb	23 35 09.3	-0.2
EPF	Esparrros	0.43	105	ePg	Pb	Pb	23 35 15.5	-0.3
EPF	Esparrros	0.43	105	ePg	Pb	Pb	23 35 08.7	-0.2
EPF	Esparrros	0.43	105	ePg	Pb	Pb	23 35 15.5	-0.3
EPF	Esparrros	0.43	105	ePg	Pb	Pb	23 35 08.7	-0.2
EPF	Esparrros	0.43	105	ePg	Pb	Pb	23 35 15.5	-0.3
ORDF	Ordarp	0.53	278	Pg	Pg	Pg	23 35 11.5	+0.8
RESF	Ens	0.53	129	Pg	Pg	Pg	23 35 10.4	-0.4
RESF	Ens	0.53	129	Pg	Pg	Pg	23 35 10.5	-0.4
RESF	Ens	0.53	129	Pg	Pg	Pg	23 35 17.2	-0.8
RESF	Ens	0.53	129	Pg	Pg	Pg	23 35 10.7	-0.8
ECHI	Chisagues Biel	0.57	147	↑Pg	Pg	Pg	23 35 17.3	
ECHI	Chisagues Biel	0.57	147	Pg	Pg	Pg	23 35 10.7	-0.8
ECHI	Chisagues Biel	0.57	147	Pg	Pg	Pg	23 35 17.7	-1.4
LARF	Larrau	0.57	260	Pg	Pg	Pg	23 35 11.8	+0.3
LARF	Larrau	0.57	260	Pg	Pg	Pg	23 35 20.6	+1.5
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 25.1	+0.9
SJPF	Ste Jean	0.73	268	ePg	Pg	Pg	23 35 14.5	-0.1
SJPF	Ste Jean	0.73	268	ePg	Pg</			

GORA Gorafe	6.05 202	Pn	Pn	23 36 29.9 +0.7
GORA	63nm,1.2s,SNR=7.9			
GORA	22nm,0.6s,SNR=7.9	Pg	Pb	23 36 50.8 +5.3
GORA	96nm,0.4s,SNR=7.9	Sn	Sn	23 37 35.7 -2.6
GORA	427nm,0.6s,SNR=7.9	Lg	Lg	23 38 12.0
PGAV Gavieira, Arco	6.06 262	ePn	Pn	23 36 31.5 +2.2
PGAV	80nm,0.6s	eS	Sn	23 37 40.0 +1.6
PGAV		eSg	Sg	23 38 09.8 -4.8
PGAV		A	A	23 38 11.2
MTE Mantegas	6.12 246	ePn	Pn	23 36 31.9 +1.7
MTE		eS	Sn	23 37 37.8 -2.1
MTE		eSg	Sg	23 38 11.3 -5.3
MTE		A	A	23 38 29.6
MTE Mantegas	6.12 246	ePn	Pn	23 36 31.1 +1.0
MTE		eS	Sn	23 37 37.8 -2.1
MTE		eSg	Sg	23 38 11.3
MTE		A	A	23 38 11.3
JSA Saint Aubin	6.20 348	ePn	Pn	23 36 31.5 +0.4
PVIS Viseu	6.21 250	ePn	Pn	23 37 41.0 -1.2
PVIS		eS	Sg	23 38 13.6 -6.0
PVIS		A	A	23 38 27.5
PVIS Viseu	6.21 250	ePn	Pn	23 36 32.9 +1.5
PVIS		eS	Sn	23 37 41.0 -1.2
PVIS		eSg	Lg	23 38 13.6
SENIN Lac Senin/Sane	6.25 56	ePn	Pn	23 36 34.6 +2.6
SFTF Sextfontaines	6.26 34	ePn	Pn	23 36 31.9 -0.2
SFTF	baz=214	ePg	Pg	23 36 57.4 -2.6
SFTF		eS	Sn	23 37 41.2 -2.0
SFTF	262nm,0.7s,baz=211	eSg	Sg	23 38 19.2 -1.8
SFTF	399nm,0.7s,baz=215	ePn	Pn	23 36 31.8 -0.2
SFTF		eS	Sn	23 36 57.4 -2.6
SFTF		eSg	Sg	23 37 41.2 -2.0
SFTF		A	A	23 38 19.2
SFTF	262nm,0.7s	Lg	Lg	23 38 19.2
SFTF	399nm,0.7s	Pn	Pn	23 36 34.8 +1.9
EZAM Zamans	6.33 264	Pn	Sn	23 37 43.8 -1.1
EZAM	61nm,0.4s,SNR=7.9	Sn	Sn	23 38 24.5
EZAM	84nm,0.7s,SNR=7.9	Lg	Lg	23 36 33.9 +0.6
EZAM	31nm,0.6s,SNR=7.9	Pg	Pb	23 36 56.4 +6.0
ENIJ Nijar	6.35 195	Pn	Sn	23 37 42.5 -3.0
ENIJ	24nm,0.5s,SNR=7.9	Pg	Pb	23 38 21.2
ENIJ	9.2nm,3.5s,SNR=7.9	Sn	Sn	23 36 49.8 +3.3
ENIJ	96nm,0.9s,SNR=7.9	Sn	Sn	23 38 12.7 +6.5
ENIJ	106nm,0.8s,SNR=7.9	Lg	Lg	23 38 04.9 -3.5
PCBR Castelo Branco	6.37 241	ePn	Pn	23 36 35.0 +1.5
PCBR		eS	Sn	23 37 43.7 -2.2
PCBR		eSg	Sg	23 38 23.0
PCBR		A	A	23 38 29.3
PCBR Castelo Branco	6.37 241	ePn	Pn	23 36 35.0 +1.5
PCBR		eS	Sn	23 37 43.7 -2.2
PCBR		eSg	Sg	23 38 23.0
PCBR		A	A	23 38 29.3
EMAZ Mazaricos	6.42 271	Pn	Pn	23 36 36.5 +2.3
EMAZ	43nm,0.8s	Sn	Sn	23 37 45.8 -1.4
EMAZ	21nm,0.5s,SNR=7.9	Sn	Sn	23 38 26.1
EMAZ	36nm,0.2s,SNR=7.9	Lg	Lg	23 36 35.4 +1.2
EMAZ	33nm,0.5s,SNR=7.9	Pn	Pn	23 37 44.1 -3.3
ECAB El Cabri	6.42 220	Pn	Sn	23 37 44.1 -3.3
ECAB	22nm,0.7s,SNR=66	Sn	Sn	23 38 24.2
ECAB	20nm,0.3s,SNR=6.8	Lg	Lg	23 36 35.9 +1.5
EQUE Qentar	6.42 204	Pn	Pn	23 36 35.9 +1.5
EQUE	16nm,0.5s,SNR=5.0	Pg	Pb	23 36 57.2 +5.4
EQUE	6.6nm,0.3s,SNR=7.1	Sn	Sn	23 37 44.1 -3.3
EQUE	15nm,0.5s,SNR=6.3	Lg	Lg	23 38 23.9
MEZF Maizieres J'vi	6.50 33	ePn	Pn	23 36 36.3 +1.0
MEZF	27nm,0.3s,SNR=5.0	ePn	Pn	23 37 03.4 -1.3
MEZF	baz=212	ePn	Pn	23 37 03.4 -1.3
MEZF		eS	Sn	23 37 47.6 -1.6
MEZF	baz=211	eSg	Sg	23 38 27.2 -1.6
MEZF	446nm,0.5s,baz=213	ePn	Pn	23 36 36.3 +1.0
MEZF		eS	Sn	23 37 03.4 -1.3
MEZF		eSg	Sg	23 37 47.6 -1.6
MEZF		A	A	23 38 27.2 -1.6
MEZF	446nm,0.5s	Pn	Pn	23 36 37.1 +1.3
HORN Hornachuelos	6.54 218	P	Pn	23 36 37.8 +1.9
PTO Porto	6.54 255	ePn	Pn	23 37 50.6 +0.4
PTO		eS	Sn	23 38 24.5 -5.2
PTO		eSg	Sg	23 38 25.4
PTO		A	A	23 38 25.4
PTO Porto	6.54 255	ePn	Pn	23 36 37.8 +1.9
PTO		eS	Sn	23 37 50.6 +0.4
PTO		eSg	Sg	23 38 24.5 -5.2
PTO		A	A	23 38 25.4
PMRV Marv??o	6.55 238	ePn	Pn	23 36 39.7 +3.7
PMRV		eS	Sn	23 37 50.2 -0.2
PMRV		eSg	Sg	23 38 31.6
PMRV		A	A	23 38 31.6
PMRV Marv??o	6.55 238	ePn	Pn	23 36 39.7 +3.7
PMRV		eS	Sn	23 37 50.2 -0.2
PMRV		eSg	Sg	23 38 31.6
PMRV		A	A	23 38 31.6
EBER Berja	6.56 199	Pn	Pn	23 36 38.2 +1.9
EBER	105nm,0.7s	Pg	Pb	23 37 00.2 +6.0
EBER	22nm,0.6s,SNR=5.3	Sn	Sn	23 37 47.5 -3.6
EBER	30nm,0.8s,SNR=5.0	Sn	Sn	23 38 28.3
EBER	217nm,0.8s,SNR=5.0	Lg	Lg	23 36 37.5 -0.4
THEF They Montfort	6.69 38	Pn	Pn	23 36 38.3 +0.2
HAU Haudompre	6.70 41	ePn	Pg	23 37 06.5 -1.9
HAU		eS	Sg	23 37 51.6 -2.5
HAU		eSg	Sg	23 38 33.4 -1.7
HAU		A	A	23 38 33.4 -1.7
HAU Haudompre	6.70 41	ePn	Pn	23 36 38.2 +0.2
HAU		eS	Sn	23 37 06.5 -1.9
HAU		eSg	Sg	23 37 51.6 -2.5
HAU		A	A	23 38 33.4 -1.7
EGOR Sierra Gorda	6.72 208	Pn	Pn	23 36 40.3 +1.9
EGOR	43nm,0.5s,SNR=7.9	Sn	Sn	23 37 50.9 -3.9
EGOR	18nm,0.6s,SNR=7.9	Lg	Lg	23 38 33.7
EGOR	50nm,0.5s,SNR=7.9	Lg	Lg	23 38 39.5
EBAD Badajoz	6.75 232	Pn	Pn	23 36 39.5 +0.7
EBAD	11nm,0.3s,SNR=35	Pg	Pb	23 37 04.6 +7.3
EBAD	7.0nm,0.3s,SNR=38	Sn	Sn	23 37 52.5 -3.0
EBAD	61nm,0.7s,SNR=5.0	Lg	Lg	23 38 35.4
EBAD	43nm,0.4s,SNR=5.0	Lg	Lg	23 38 35.4
ELGU Los Guajares	6.79 204	Pn	Pn	23 36 40.1 +0.8

ELGU	30nm,0.7s,SNR=7.9	Pg	Pb	23 37 04.4 +6.4
ELGU	8.6nm,0.6s,SNR=7.9	Sn	Sn	23 37 52.7 -3.8
ELGU	15nm,0.3s,SNR=7.9	Lg	Lg	23 38 35.5
PGF Pioggiola	6.81 92	ePn	Pn	23 36 40.0 +0.4
PGF	29nm,0.5s,SNR=7.9	eS	Sn	23 37 55.6 -1.2
PGF	SNR=1.0	eS	Sn	23 36 40.0 +0.4
PGF	58nm,0.3s	ePn	Pn	23 37 55.6 -1.2
PGF		eS	Sn	23 36 40.7 +1.0
PGF		eSg	Sg	23 37 08.5 -2.2
PGF		A	A	23 37 08.5 -2.2
PAGF Fort de Pagny	6.82 35	ePn	Pn	23 37 54.9 -2.1
PAGF	baz=216	eS	Sn	23 38 38.8 -0.2
PAGF	Fort de Pagny	eS	Sn	23 37 54.9 -2.1
PAGF	baz=216	eSg	Sg	23 38 38.8 -0.2
PAGF	baz=220	eSg	Sg	23 38 38.8 -0.2
PAGF	544nm,0.8s	ePn	Pn	23 36 40.7 +1.0
PAGF		eS	Sn	23 37 08.5 -2.2
PAGF		eSg	Sg	23 37 54.9 -2.1
PAGF		A	A	23 38 38.8 -0.2
PAGF	Fort de Pagny	ePn	Pn	23 36 40.7 +1.0
PAGF		eS	Sn	23 37 54.9 -2.1
PAGF		eSg	Sg	23 38 38.8 -0.2
PAGF		A	A	23 38 38.8 -0.2
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF	SNR=1.0	ePn	Pn	23 37 12.8 +2.0
HINF		eS	Sn	23 37 54.2 -2.9
HINF		eSg	Sg	23 38 37.1 -2.0
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	23 36 40.5 +0.7
HINF		eS	Sn	23 37 12.8 +2.0
HINF		eSg	Sg	23 37 54.2 -2.9
HINF		A	A	23 38 37.1 -2.0
HINF Hinteralfeld	6.82 44	ePn	Pn	

31d Oh

2012 DEC

1500

ISCJB 30 23:55:05.4-0.6,20.233S;0°03'68.98W;0.09,h121km,5km, mb3.5/3, Error ellipse: s-maj=13.9km s-min=4.1km az=178.7

GUC 30 23:55:05.7-0.8,20.315S;68.94W,h107km,3km,ML3.4 IDC 30 23:55:06.7-1.4,20.385S;68.58W,h120km,16km,mb3.3/4, mb1 3.4/7, mb1mx3.2/29, mb1mp3.8/7, Error ellipse: s-maj=32.0km s-min=15.4km az=107.0

ISC 30 23:55:05.2-0.8,20.315S;0°03'68.98W;0.08,h112km,7km, n21, r1909/37, mb3.5/3, C-1D, Chile-Bolivia border region

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

ISCJB 30 23:56:59.5-0.7,35.51N;0°04'14.0E;0.06,h71km,5km, mb3.2/3, Error ellipse: s-maj=8.1km s-min=6.4km az=154.9

JMA 30 23:56:59.8-0.2,35.59N;140°10'E,h65km,2km,M2.9 IDC 30 23:57:03.4-3.2,35.35N;139.82E,h78km,18km,mb2.9/3, mb1 3.1/4, mb1mx2.9/41, mb1mp3.3/4, Error ellipse: s-maj=60.4km s-min=6.7km az=67.0

ISC 30 23:57:00.7-1.0,35.32N;0°05'14.0E;0.06,h63km,7km, n18, r088/26, mb3.3/3, Near east coast of eastern Honshu

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

ISC 31 00:09:16.5-1.2,44.98N;0°03'14.8E;0.05,h12km,10km, n15, r0556/23, Adriatic Sea

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

CRES Cresnjev 0.96 28 / Sg Sn 00 09 49.7 +0.2

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

MOS 31 00:15:17.5-0.0,43.28N;44.76E,h7km,MPVA3.6 ISCJB 31 00:15:19.0-0.4,43.31N;0°02'44.79E;0.02,h2km,4km, mb3.4/2, Error ellipse: s-maj=4.1km s-min=2.4km az=15.0

DRS 31 00:15:21.4-0.0,42.97N;44.54E,h20km ISC 31 00:15:19.5-0.0,43.31N;0°02'44.72E;0.02,h12km,6km, n48, r1903/86, C-1D, Western Caucasus

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

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

ISCJB 31 00:31:05.3-0.9,53.1S;0°1'10.2'E;0.3,h10km,mb3.9/6, MS3.7/3, Error ellipse: s-maj=27.4km s-min=16.5km az=4.7

IDC 31 00:31:05.4-0.8,53.08S;10°37'E,h0km,mb3.9/6, mb1 4.1/6, mb1mx3.8/29, mb1mp3.9/6, MS3.7/3, Ms1 3.7/3, ms1mx3.2/27, Error ellipse: s-maj=44.3km s-min=23.3km az=71.0

ISC 31 00:31:06.7-0.9,53.1S;0°1'10.2'E;0.2,h10km,2.3km, r094/13, mb4.0/6, MS3.8/3, C-1D, Southwest of Africa

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

31d 1h

Table with columns: ID, Name, Time, Date, Status, and other metrics. Includes entries like Ave Maria, Stony Hill, Ochoppi, etc.

2012 DEC

Table with columns: ID, Name, Time, Date, Status, and other metrics. Includes entries like Livingston, Livingston, UREC San Jos' de U, etc.

1502

Table with columns: ID, Name, Time, Date, Status, and other metrics. Includes entries like GOGA Godfrey, Z54A Sparta, W43A Forest City, etc.

1503 2012 DEC 31d 1h

W53A	Cullowhee	21.55	20	P	P	01 19 58.8 +1.3
PARMO	Parma	21.57	5	eP	P	01 19 59.5 +1.9
U47A	Clarksville	21.68	11	P	P	01 19 59.6 +0.8
PAULI	Pauline	21.72	24	eP	P	01 20 01.9 +2.8
TAMC	Tame, Arauca	21.76	111	eP	P	01 19 58.2 -1.6
V51A	Loudon	21.76	17	eP	P	01 20 01.3 +1.7
V51A	Loudon	21.76	17	P	P	01 20 00.9 +1.4
TKL	Tuckaleechee C	21.80	19	P	P	01 20 00.8 +0.8
TKL	Tuckaleechee C	21.80	19	eP	P	01 20 00.8 -1.5
TKL	Tuckaleechee C	21.80	19	eP	P	01 20 01.9 +1.9
T41A	Mountain View	21.85	1	P	P	01 20 01.8 +1.2
T42A	Van Buren	21.85	2	eP	P	01 20 00.7 +0.1
T42A	Van Buren	21.85	2	P	P	01 20 00.9 +0.4
U48A	Cassie Pea, Po	21.89	12	P	P	01 20 01.3 +0.4
SDV	Santo Domingo	21.93	104	P	P	01 19 59.5 -2.3
SDV	Santo Domingo	21.93	104	eP	P	01 27 23.0 -0.8
SDV	Santo Domingo	21.93	104	eP	P	01 28 36.8 -2.9
SDV	Santo Domingo	21.93	104	eP	P	01 27 23.0 -0.8
SDV	Santo Domingo	21.95	4	P	P	01 19 58.7 -3.0
T43A	Greenville	21.95	4	P	P	01 20 01.4 -0.1
T44A	Benton	22.01	5	P	P	01 20 02.7 +0.5
V52A	Sevierville	22.02	19	eP	P	01 20 03.9 +1.6
V52A	Sevierville	22.02	19	P	P	01 20 03.9 +1.6
T45A	Paducah	22.05	7	eP	P	01 20 03.6 +1.1
T45A	Paducah	22.05	7	P	P	01 20 03.0 +0.4
U49A	Red Boiling Sp	22.06	14	P	P	01 20 03.3 +0.5
V53A	Saluda	22.12	21	eP	P	01 20 05.1 +1.6
V53A	Saluda	22.12	21	P	P	01 20 05.0 +1.6
T46A	Princeton	22.17	9	P	P	01 20 04.0 +0.2
KM5C	Kings Mountain	22.19	24	eP	P	01 20 05.7 +1.6
KM5C	Kings Mountain	22.19	24	P	P	01 20 05.4 +1.3
U50A	Jamestown	22.20	16	P	P	01 20 04.8 +0.6
T47A	Sharon Grove	22.25	11	eP	P	01 20 05.0 +0.3
T47A	Sharon Grove	22.25	11	P	P	01 20 04.6 0.0
S41A	Jillico Farms,	22.39	1	P	P	01 20 08.3 +2.2
U51A	La Follette	22.39	17	P	P	01 20 07.4 +1.2
121A	Cookes Peak, D	22.43	323	P	P	01 20 09.2 +2.4
S43A	Fulton Ridge,	22.45	4	P	P	01 20 07.5 +0.8
T48A	Bowling Green	22.50	12	P	P	01 20 07.3 +0.1
319A	Douglas	22.53	319	eP	P	01 20 10.3 +2.6
U52A	Thorn Hill	22.60	19	P	P	01 20 09.2 +0.9
S42A	Caledonia	22.60	3	P	P	01 20 08.7 +0.5
S44A	Carbondale	22.64	6	P	P	01 20 09.4 +0.7
SIUC	Puerto Illin	22.67	6	eP	P	01 20 09.4 +0.6
PTLC	Southern Ligu	22.68	129	eP	P	01 20 12.2 +3.0
T49A	Edmonton	22.68	14	eP	P	01 20 09.6 +0.5
T49A	Edmonton	22.68	14	P	P	01 20 09.3 +0.2
TZTN	Tazewell	22.68	18	eP	P	01 20 09.8 +0.7
TZTN	Tazewell	22.68	18	P	P	01 20 10.5 +1.4
S45A	Carrier Mills	22.70	7	P	P	01 20 09.2 0.0
T50A	Nancy	22.77	15	P	P	01 20 10.2 +0.3
S46A	Don Dixon Farm	22.83	9	P	P	01 20 10.3 -0.1
U53A	Fall Branch	22.83	20	P	P	01 20 11.5 +1.0
CCM	Cathedral Cave	22.87	2	eP	P	01 20 09.9 -0.9
CCM	Cathedral Cave	22.87	2	P	P	01 20 11.1 +0.2
S47A	Hartford	22.88	11	P	P	01 20 11.6 +0.7
T51A	Gray	22.96	17	P	P	01 20 12.3 +0.5
BNN	Barren Site	23.03	328	eP	P	01 20 14.9 +2.1
S48A	Wiedeman Farm,	23.10	12	P	P	01 20 13.0 0.0
R41A	Rosebud	23.11	2	P	P	01 20 14.1 +0.9
USIN	University of	23.11	9	eP	P	01 20 13.9 +0.8
R42A	Luebbering	23.11	3	P	P	01 20 13.0 -0.2
Y22D	IRIS PASSCAL I	23.12	327	P	P	01 20 14.0 +0.5
LPM	Los Pinos Moun	23.16	328	eP	P	01 20 16.4 +2.6
R43A	Red Bud	23.16	4	P	P	01 20 14.6 +1.0
LENM	Lemitar	23.22	327	eP	P	01 20 16.6 +2.2
R45A	Skyfar, Fairri	23.32	8	P	P	01 20 16.0 +0.7
R46A	Gibson Southern	23.38	9	P	P	01 20 16.2 +0.6
T52A	Halle	23.38	19	P	P	01 20 16.5 +0.8
S49A	Springfield	23.39	14	P	P	01 20 15.7 -0.1
LAZ	Ladron	23.49	328	eP	P	01 20 19.8 +2.9
S50A	Saint Louis	23.50	4	eP	P	01 20 17.9 +1.3
S50A	Richmond	23.51	16	P	P	01 20 17.3 +0.5
ANMO	Albuquerque	23.57	329	P	P	01 20 19.5 +1.8
ANMO	Albuquerque	23.57	329	eP	P	01 20 42.6 +1.9
ANMO	Albuquerque	23.57	329	eP	P	01 20 19.3 +1.6
ANMO	Albuquerque	23.57	329	eP	P	01 20 42.6 +1.9
ANMO	Albuquerque	23.57	329	eP	P	01 20 19.3 +1.6
WCI	Wyandotte Cave	23.61	12	eP	P	01 20 17.7 +0.1
WCI	Wyandotte Cave	23.61	12	P	P	01 20 17.9 +0.3
R47A	Wooly Knot Far	23.62	11	P	P	01 20 17.9 +0.1
S51A	Beattyville	23.69	17	eP	P	01 20 19.3 +0.8
S51A	Beattyville	23.69	17	P	P	01 20 19.2 +0.8
Q42A	Golden Eagle	23.75	3	P	P	01 20 19.7 +0.7
Q41A	Truxton	23.77	2	P	P	01 20 21.3 +2.2
CNCC	Cliffs of the	23.79	30	P	P	01 20 19.7 +0.3
OLIL	Olney	23.80	8	eP	P	01 20 20.2 +0.7
Q43A	New Douglas	23.84	5	P	P	01 20 21.0 +1.3
R48A	Northridge Ran	23.85	12	P	P	01 20 20.8 +0.9
Q44A	Meyer Farm, Va	23.86	6	P	P	01 20 20.3 +0.4
S52A	Salersville	23.88	18	P	P	01 20 20.9 +0.7
R49A	Shelbyville	23.90	14	P	P	01 20 20.3 -0.1
Q45A	Warren Harvey,	23.95	8	P	P	01 20 21.6 +0.8
R50A	Paris	24.09	15	P	P	01 20 23.7 +1.6
TUC	Tucson	24.11	319	eP	P	01 20 23.4 +1.1
TUC	Tucson	24.11	319	P	P	01 20 23.1 +0.7
KSU1	Kansas State U	24.22	352	eP	P	01 20 22.8 -0.4
KSU1	Kansas State U	24.22	352	P	P	01 20 25.0 +1.8
Q47A	Bedord North L	24.27	11	P	P	01 20 25.4 +1.8
R51A	Blacksburg	24.31	17	P	P	01 20 25.3 +1.3
BLA	Blacksburg	24.36	23	eP	P	01 20 25.2 +0.7
BLA	Blacksburg	24.36	23	P	P	01 20 25.3 +0.8
Q48A	North Vernon	24.39	12	P	P	01 20 26.2 +1.4
P42A	Winchester	24.44	3	eP	P	01 20 25.6 +0.4
P42A	Winchester	24.44	3	P	P	01 20 26.6 +1.4
P44A	Sand Creek, Wi	24.46	7	P	P	01 20 27.2 +1.8
BLO	Bloomington	24.48	11	eP	P	01 20 25.5 0.0
P41A	Barry, Barry	24.49	2	P	P	01 20 27.6 +1.9
T25A	Trinidad	24.50	336	eP	P	01 20 28.3 +2.2
T25A	Trinidad	24.50	336	P	P	01 20 27.6 +1.6
CBKS	Cedar Bluff	24.54	346	P	P	01 20 28.2 +1.9
P43A	Skaggs, Pawnee	24.55	5	P	P	01 20 28.0 +1.9
P45A	Graceland, Par	24.63	8	eP	P	01 20 27.5 +0.5
P45A	Graceland, Par	24.63	8	P	P	01 20 27.9 +0.9
Q49A	Aurora	24.65	14	P	P	01 20 29.0 +1.9
Q50A	Georgetown	24.71	15	P	P	01 20 28.2 +0.4
P46A	Rosedale	24.80	9	P	P	01 20 29.2 +0.7
P47A	Mansville	24.83	11	P	P	01 20 29.0 +0.3
P48A	Milroy	24.97	12	P	P	01 20 29.4 -0.6
Q51A	Peebles	25.05	16	eP	P	01 20 31.6 +0.8
Q51A	Peebles	25.05	16	P	P	01 20 31.6 +0.8
SJG	San Juan	25.09	80	P	P	01 20 29.9 -1.4
SJG	San Juan	25.09	80	eP	P	01 20 53.7 -2.1
P49A	Miami Univ, Ec	25.19	14	P	P	01 20 32.1 +0.1
214A	Organ Pipe Nat	25.22	315	P	P	01 20 35.0 +2.5
Q52A	Bidwell	25.30	18	P	P	01 20 33.9 +0.8
Q45A	Potomac	25.34	8	P	P	01 20 33.7 +0.3
W18A	Petrified Fore	25.43	325	eP	P	01 20 37.8 +3.3
W18A	Petrified Fore	25.43	325	P	P	01 20 38.1 +3.6
SDCO	Great Sand Dun	25.46	335	eP	P	01 20 36.5 +1.6
SDCO	Great Sand Dun	25.46	335	P	P	01 20 36.2 +1.3
HDIL	Hopedale	25.48	5	eP	P	01 20 35.2 +0.6
HDIL	Hopedale	25.48	5	P	P	01 20 35.2 +0.6
P50A	Jamestown	25.48	15	P	P	01 20 35.1 +0.4
KSCO	Kaye Shedlock'	25.53	341	eP	P	01 20 36.2 +0.9
KSCO	Kaye Shedlock'	25.53	341	P	P	01 20 38.7 +3.4
P51A	Williamsport	25.56	16	eP	P	01 20 36.0 +0.6
P51A	Williamsport	25.56	16	P	P	01 20 36.3 +0.9
SPIN	Lafayette	25.56	9	P	P	01 20 35.4 +0.1
Q47A	Shedden	25.57	11	P	P	01 20 35.3 -0.2
MTP	Monte Pirata	25.65	80	eP	P	01 20 36.1 -0.3
N40A	Mertquake, Sal	25.69	1	P	P	01 20 36.9 +0.4
Q48A	Farmland	25.79	12	P	P	01 20 37.3 -0.1
N44A	Piper City	25.83	7	P	P	01 20 37.9 +0.9
N43A	Stuman Famil	25.87	5	P	P	01 20 38.6 +0.5
Q49A	Covington	25.90	14	eP	P	01 20 38.6 +0.1
Q49A	Covington	25.90	14	P	P	01 20 38.4 -0.1
X16A	Lo Mia Camp, P	25.92	321	eP	P	01 20 42.0 +3.0
P52A	Corning	25.96	18	P	P	01 20 39.1 +0.1
S22A	4UR Ranch, Cre	26.03	333	eP	P	01 20 42.1 +2.1
O50A	Cable	26.04	15	P	P	01 20 39.8 +0.1
P53A	Whipple	26.06	19	eP	P	01 20 40.9 +1.0
P53A	Whipple	26.06	19	P	P	01 20 40.4 +0.5
Q55A	Buckhannon	26.06	22	P	P	01 20 40.0 0.0
N46A	Monticello	26.12	9	P	P	01 20 40.0 +0.2
M40A	Poehland	26.21	1	P	P	01 20 42.4 +1.2
M41A	Milan	26.21	3	P	P	01 20 42.0 +0.8
M39A	Webster	26.26	360	P	P	01 20 42.3 +0.5
ACSO	Alum Creek Sta	26.28	16	eP	P	01 20 42.5 +0.6
ACSO	Alum Creek Sta	26.28	16	P	P	01 20 42.9 +1.0
N47A	Urbana	26.29	11	P	P	01 20 42.4 +0.5
O51A	Matkaha	26.30	17	P	P	01 20 43.4 +

31d 1h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like EDW2, JLU, TPNV, etc.

2012 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like MOD, MSO, BMO, etc.

1504

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like PCAS, PTOM, PVIS, etc.

Code Station Name Az Phase ID Time Res
BOSA Boshof 19.48 311 Op ISC h m s ISC
01 38 19.1 +0.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include BOS, SUR, LBTB, LSZ, H01W2, H01W3, H01W1, TORD, WRA, BVAR.

NIED 31 01:40:00.37:20N:142:20E, h26km, Mw3.6 Best double couple: Ms3.21000x1014 NP13x305.00000, 840.00000, lambda-110.00000. NP2x150.00000, 853.00000, lambda-74.00000.

ICD 31 01:40:23.5:2.0, 37:24N:142:56E, h0km, mb3.4/3, mb1 3.6/5, mb1mx3.3/44, mbtmp3.6/5, ML3.6/2, Error ellipse: s-maj=42.4km s-min=27.0km az=68.0.

JMA 31 01:40:27.8:0.2, 37:25N:142:24E, h34km, Mw3.5, Error ellipse: s-maj=8.8km s-min=7.0km az=4.1.

ISC 31 01:40:24.1:1.9, 37:22N:142:30E, h0.07, h4km, 11km, n20, c1528/34, mb3.7/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include JFK, JFI, ONAJ, ONJK, JIKH, JIKM, JIMM, JMS, JFFD, JFFD, JIO, JIO, JFT, JFT, JOU, JOU, JMK, JMS, JYS, JYS, JFY, JFY, JYK, JYK, JOM, JAG, MJAR, MJAR, MJAR, MAT, MAT, JHJ, JHJ, JHJ, MKAR, MKAR, KURBS, WRA.

ICD 31 01:44:58.5:0.5, 35:28N:36:33W, h0km, mb4.2/32, mb1 4.3/32, mb1mx4.3/51, mbtmp4.2/32, MS4.3/24, Ms1 4.3/24, ms1mx4.3/30, Error ellipse: s-maj=14.8km s-min=10.9km az=141.0.

MOS 31 01:44:58.5:1.0, 35:29N:36:36W, h10km, mb4.7/51, MS4.4/6, Error ellipse: s-maj=8.5km s-min=5.7km az=51.0.

ISCJB 31 01:44:59.8:0.2, 35:28N:0:05:36:34W, 0.3, h18km, mb4.5/156, MS4.4/36, Error ellipse: s-maj=7.4km s-min=3.4km az=171.6.

NEIC 31 01:45:00.2:0.2, 35:28N:36:29W, h10km, mb4.7/98, Error ellipse: s-maj=5.1km s-min=3.1km az=174.0.

GCMT 31 01:45:03.2:0.2, 35:34N:0:02:36:35W, 0.01, h12km, MW5.0/103, Moment Tensor Solution. s25,c34; s103,c150. Duration 0. Moment tensor: Scalar 1016Nm; M1=3.48; M2=3.48; M3=3.48; M4=4.4; M5=1.08; M6=1.06; M7=3.2. Best double couple: Mw4.51200x1016 NP1x352.00000, 853.00000, lambda-124.00000. NP2x221.00000, 848.00000, lambda-53.00000. Principal axes: T 3.8310, Plg3.0000. Azm105.0000; N 1.3520, Plg2.0000; Azm14.0000; P -5.1930, Plg63.0000. Azm201.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 31 01:45:01.5:0.4, 35:28N:0:07:36:37W, 0.06, h18km, n302, c1527/288, mb4.5/163, MS4.4/36, 22C-15D, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include GBN, ESDC, ESDC, MDT, SCHO, FFB, RETA, P51A, MOTA, SQT, SUMG, SUMG, SUMG, WATA, ABTA, NKCL, NKCL, TKL, TKL, TAM, TAM, TAM, CLL, CLL, CLL, CLL, CLL.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include KBA, KHC, KHC, GERES, BRG, BRG, BRG, BRG, MOA, PRU, PRU, PRU, OBKA, PVCC, NB2, NOA, GOPC, GOPC, GOPC, CONA, UPC, UPC, UPC, DPC, DPC, DPC, KRUC, KRUC, KRUC, TOR, TOR, TOR, TOR, VRAC, VRAC, VRAC, VRAC, MORC, MORC, MORC, MORC, PTGA, YVHS, YVHS, MORH, DAG, BUD, BUD, I39A, DIVS, T42A, FCC, FCC, FCC, BZS, BZS, TRPA, ULM, ULM, ULM, DRGR, DRGR, AGMN, DEV, DEV, CJR, CJR, X40A, VTS, VTS, HHAR, Z41A, ROSC, ROSC, ECSD, MIAR, MIAR, MIAR, ARR, BUR, BUR, BUR, BUR, FINES, VOIR, VOIR, VSU, VSU, DOPR, MLR, MLR, MLR, H10N2, H10N3.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include H10N1, ARCES, TUL1, X37A, PLOA, PLOA, RES, FFC, FFC, H10S1, H10S3, H10S2, KIEV, KIEV, KIEV, AKASG, AKASG, AKASG, AKBB, AKBB, CFR, CFR, TLB, TLB, TIRR, TIRR, APA, APA, WHTX, WMOK, WMOK, WMOK, BDFB, BDFB, BDFB, LAO, OTAV, OTAV, OTAV, OBN, OBN, OBN, OBN, AMTX, JCT, JCT, KLMR, KLMR, KLMR, MSTX, N23A, ISCO, ISCO, YKA, YKA, YKB, YKB, LPSR, LPSR, RWY, BRTR, BRTR, BRTR, SDCO, RLMT, VSR, VSR, SMCO, O20A, BW06, PD31, PDAR, PDAR, LKWW, LKWW, LKWW, YMR, ANMO, ANMO, ANMO, LOHW, YHB, TX31, TXAR, TXAR, TXAR, MOOW, BOZ, BOZ, BOZ.

31d 2h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Indian Meadow, Snow King Moun, Novokhopryorsk, etc.

2012 DEC

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PAX Paxson, Mina Guanaco, Akbulak array, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NLWA Neilton Lookou, PGV Sidney, BBB Bella Bella, etc.

ISCJB 31 02:17:43.3:0.4, 6:90N:0:03:73:11W:0:03, h155km, 4km, mb3.3/4, Error ellipse: s-maj=5.8km s-min=4.0km az=21.2

IDC 31 02:17:43.5:0.7, 6:69N:72:93W, h161km, 9km, mb3.1/4, m1 3.5/8, mb1mx3.2/3, mb1mp3.8/9, Error ellipse: s-maj=27.5km s-min=7.3km az=131.0

RSNC 31 02:17:45.3:1.0, 6:84N:73:11W, h145km, 5km, ML3.6, Mw3.7

ISC 31 02:17:44.2:0.7, 6:87N:0:03:73:09W:0:04, h152km, 6km, n31, c111/52, mb3.4/4, 6C, Northern Colombia

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BARC Barichara, BARR Barranca, RUSC La Rusia, etc.

31d 4h

CAF	Calviac	2.43	41	ePg	Pg	03 24 51.5 +1.3
CAF	SNR=1.0			eSn	Sn	03 25 13.1 +0.4
CAF	75nm,0.2s,SNR=1.0			eSg	Sg	03 25 22.8 +1.1
CAF	Calviac	2.43	41	Pn	Pn	03 24 44.1 +1.0
CAF	SNR=1.0			Pg	Pg	03 24 51.5 +1.3
CAF	SNR=1.0			Sn	Sn	03 25 13.1 +0.4
CAF	SNR=1.0			Lg	Lg	03 25 22.8
RJF	38nm,0.2s			ePn	Pn	03 24 44.6 +0.5
RJF	Les Rejaudoux	2.50	29	ePg	Pg	03 24 52.6 +1.0
RJF	SNR=1.0			eSn	Sn	03 25 14.1 -0.4
RJF	SNR=1.0			eSg	Sg	03 25 25.6 +1.5
RJF	97nm,0.3s,SNR=1.0			Pn	Pn	03 24 44.6 +0.5
RJF	Les Rejaudoux	2.50	29	Pg	Pg	03 24 52.6 +1.0
RJF	SNR=1.0			Sn	Sn	03 25 14.1 -0.4
RJF	SNR=1.0			Lg	Lg	03 25 25.6
CPAL	49nm,0.3s			S	S	03 25 19.3 +2.3
CPAL	Palau Saverder	2.61	107	S	S	03 25 19.3 +2.3
EMOS	91nm,0.3s			Pn	Pn	03 24 49.8 +2.0
EMOS	Mosqueruela	2.77	184	Pn	Pn	03 24 49.8 +2.0
EMOS	2.3nm,0.3s,SNR=21			Pg	Pg	03 24 55.1 +2.0
EMOS	15nm,0.4s,SNR=36			Sn	Sn	03 25 21.1 -0.1
EMOS	105nm,0.6s,SNR=6.7			Lg	Lg	03 25 30.8
EMOS	39nm,0.2s,SNR=6.5			S	S	03 24 49.2 +1.4
EMOS	Mosqueruela	2.77	184	P	P	03 25 21.8 +0.5
EMOS	86nm,0.4s			Pn	Pn	03 24 53.1 +0.9
LASF	Ste Croix	3.10	71	ePn	Pn	03 25 03.0 0.0
LASF	SNR=1.0			eSn	Sn	03 25 29.1 0.0
LASF	Ste Croix	3.10	71	ePg	Pg	03 25 03.0 0.0
LASF	SNR=1.0			eSg	Sg	03 25 42.9 -0.1
MFF	47nm,0.3s			ePn	Pn	03 24 58.6 +1.2
MFF	Saint Martin d	3.48	1	ePn	Pn	03 24 58.6 +1.2
MFF	SNR=1.0			eSn	Sn	03 25 10.6 +0.3
MFF	Saint Martin d	3.48	1	ePg	Pg	03 25 38.8 +0.3
MFF	SNR=1.0			eSg	Sg	03 25 55.6 +0.3
MFF	35nm,0.2s,SNR=1.0			Pn	Pn	03 24 58.6 +1.2
MFF	Saint Martin d	3.48	1	Pg	Pg	03 25 10.6 +0.3
MFF	SNR=1.0			Sn	Sn	03 25 38.8 +0.3
MFF	SNR=1.0			Lg	Lg	03 25 55.6
ECHE	18nm,0.2s			Pn	Pn	03 25 00.1 +1.2
ECHE	Chera	3.58	190	Pn	Pn	03 25 00.1 +1.2
ECHE	5.8nm,2.1s,SNR=7.9			Pg	Pg	03 25 09.9 +3.1
ECHE	8.8nm,1.1s,SNR=7.9			Sn	Sn	03 25 40.3 -0.8
ECHE	14nm,1.0s,SNR=7.9			Lg	Lg	03 25 57.1
TCF	18nm,0.3s,SNR=7.9			ePn	Pn	03 25 01.5 +2.4
TCF	Toux Ste Croi	3.60	28	ePn	Pn	03 25 12.7 +0.1
TCF	SNR=1.0			eSn	Sn	03 25 41.7 +0.2
TCF	Toux Ste Croi	3.60	28	ePg	Pg	03 25 01.5 +2.4
TCF	SNR=1.0			eSg	Sg	03 25 12.7 +0.1
TCF	61nm,0.3s,SNR=1.0			Pn	Pn	03 25 01.5 +2.4
TCF	Toux Ste Croi	3.60	28	Pg	Pg	03 25 12.7 +0.1
TCF	SNR=1.0			Sn	Sn	03 25 41.7 +0.2
TCF	SNR=1.0			Lg	Lg	03 25 59.4
UCM	30nm,0.3s			eP	P	03 25 00.9 +1.4
UCM	Universiad Co	3.62	220	eP	P	03 25 57.0 -3.0
UCM	SNR=1.0			Pn	Pn	03 25 57.0 -3.0
GUD	Guadarrama	3.86	231	Pn	Pn	03 25 55.6 +2.4
GUD	3.5nm,0.3s,SNR=18			Pg	Pg	03 25 16.4 -1.2
GUD	3.8nm,0.3s,SNR=7.6			Sn	Sn	03 25 47.8 -0.2
GUD	21nm,0.6s,SNR=5.0			Lg	Lg	03 26 07.9
VIVF	21nm,0.6s			ePn	Pn	03 25 05.1 +1.6
VIVF	Saint-Julien-I	3.92	62	ePn	Pn	03 25 18.9 +0.2
VIVF	SNR=1.0			ePg	Pg	03 25 48.1 -1.3
VIVF	Saint-Julien-I	3.92	62	ePg	Pg	03 25 18.9 +0.2
VIVF	SNR=1.0			eSn	Sn	03 25 48.1 -1.3
VIVF	SNR=1.0			eSg	Sg	03 26 09.0 -0.4
VIVF	54nm,0.4s,SNR=1.0			Pn	Pn	03 25 05.1 +1.6
VIVF	Saint-Julien-I	3.92	62	Pg	Pg	03 25 18.9 +0.2
VIVF	SNR=1.0			Sn	Sn	03 25 48.1 -1.3
VIVF	SNR=1.0			Lg	Lg	03 26 09.0
ETOS	27nm,0.4s			Pn	Pn	03 25 07.1 +1.8
ETOS	Majorca	4.05	145	Pn	Pn	03 25 07.1 +1.8
ETOS	7.5nm,1.0s,SNR=9.0			Sn	Sn	03 25 52.3 -0.2
BGF	57nm,1.4s,SNR=5.0			ePn	Pn	03 25 07.5 +2.1
BGF	Bois d'Angland	4.06	31	ePn	Pn	03 25 22.2 +0.8
BGF	SNR=1.0			ePg	Pg	03 25 52.4 -0.4
BGF	Bois d'Angland	4.06	31	ePg	Pg	03 25 22.2 +0.8
BGF	SNR=1.0			eSn	Sn	03 26 13.9 0.0
BGF	SNR=1.0			eSg	Sg	03 25 52.4 -0.4
BGF	189nm,0.4s,SNR=1.0			Pn	Pn	03 25 07.5 +2.1
BGF	Bois d'Angland	4.06	31	Pg	Pg	03 25 22.2 +0.8
BGF	SNR=1.0			Sn	Sn	03 25 52.4 -0.4
BGF	SNR=1.0			Lg	Lg	03 26 13.9
EIBI	95nm,0.4s			Pn	Pn	03 25 10.4 +2.2
EIBI	Ibiza	4.26	164	Pn	Pn	03 25 10.4 +2.2
EIBI	1.7nm,2.2s,SNR=7.9			Sn	Sn	03 25 56.2 -1.5
SMRF	7.0nm,0.2s,SNR=11			ePn	Pn	03 25 11.1 +2.6
SMRF	Simiane la Rot	4.28	77	ePn	Pn	03 25 11.1 +2.6
SMRF	SNR=1.0			ePg	Pg	03 25 25.4 -0.3
SMRF	Simiane la Rot	4.28	77	ePg	Pg	03 25 25.4 -0.3
SMRF	SNR=1.0			eSn	Sn	03 25 58.0 -0.4
SMRF	SNR=1.0			eSg	Sg	03 26 20.0 -1.1
SMRF	19nm,0.5s,SNR=1.0			Pn	Pn	03 25 11.1 +2.6
SMRF	Simiane la Rot	4.28	77	Pg	Pg	03 25 25.4 -0.3
SMRF	SNR=1.0			Sn	Sn	03 25 58.0 -0.4
SMRF	SNR=1.0			Lg	Lg	03 26 20.0
AVF	19nm,0.5s			ePn	Pn	03 25 11.1 +2.6
AVF	Avril sur Loir	4.45	33	ePn	Pn	03 25 11.1 +2.6
AVF	SNR=1.0			ePg	Pg	03 25 25.4 -0.3
AVF	Avril sur Loir	4.45	33	ePg	Pg	03 25 25.4 -0.3
AVF	SNR=1.0			eSn	Sn	03 25 58.0 -0.4
AVF	SNR=1.0			eSg	Sg	03 26 25.1 -1.3
AVF	27nm,0.4s			Pn	Pn	03 25 11.1 +0.3
AVF	Avril sur Loir	4.45	33	Pg	Pg	03 25 25.4 -0.3
AVF	SNR=1.0			Sn	Sn	03 26 02.2 -0.2
AVF	SNR=1.0			Lg	Lg	03 26 25.1
ESDC	14nm,0.4s			Pn	Pn	03 25 13.4 +2.4
ESDC	Sonsec Array	4.46	221	Pn	Pn	03 25 13.4 +2.4
ESDC	1.2nm,0.3s,baz=44,slow=14,SNR=24			Pg	Pg	03 25 26.6 -2.5
ESDC	0.9nm,0.2s,baz=43,slow=14,SNR=7.2			Lg	Lg	03 26 02.3 -0.6
ESDC	4.0nm,0.3s,baz=42,slow=24,SNR=5.5			Lg	Lg	03 26 27.4
ESDC	5.4nm,0.5s,baz=40,slow=28,SNR=9.0			Pn	Pn	03 25 13.0 +0.9
SMF	Signal de Mont	4.54	38	ePn	Pn	03 25 30.1 -0.5
SMF	SNR=1.0			ePg	Pg	03 26 03.1 -1.6
SMF	Signal de Mont	4.54	38	ePg	Pg	03 25 30.1 -0.5
SMF	SNR=1.0			eSn	Sn	03 26 28.1 -1.3
SMF	SNR=1.0			eSg	Sg	03 26 28.1 -1.3
SMF	16nm,0.3s,SNR=1.0			Pn	Pn	03 25 13.0 +0.9
SMF	Signal de Mont	4.54	38	Pg	Pg	03 25 30.1 -0.5
SMF	SNR=1.0			Sn	Sn	03 26 03.1 -1.6
SMF	SNR=1.0			Lg	Lg	03 26 28.1
ETOB	8.1nm,0.3s			Pn	Pn	03 25 14.6 +1.8
ETOB	Tobarra	4.59	193	Pn	Pn	03 25 14.6 +1.8
ETOB	2.0nm,0.5s,SNR=14			Sn	Sn	03 26 04.7 -1.4
ETOB	1.1nm,0.4s,SNR=5.7			Lg	Lg	03 26 31.6
HYF	7.5nm,0.4s			ePn	Pn	03 25 15.3 +2.4
HYF	Humbigny	4.60	25	ePn	Pn	03 25 15.3 +2.4
HYF	SNR=1.0			ePg	Pg	03 26 05.9 -0.3
HYF	Humbigny	4.60	25	ePg	Pg	03 26 05.9 -0.3
HYF	SNR=1.0			eSn	Sn	03 26 31.2 -0.2
HYF	Humbigny	4.60	25	eSn	Sn	03 25 15.3 +2.4
HYF	SNR=1.0			eSg	Sg	03 26 31.2 -0.2
HYF	SNR=1.0			Pn	Pn	03 25 15.3 +2.4
HYF	Humbigny	4.60	25	Pg	Pg	03 26 05.9 -0.3
HYF	SNR=1.0			Sn	Sn	03 26 31.2 -0.2
HYF	SNR=1.0			Lg	Lg	03 26 05.9 -0.3

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HYF	Saint Sauge	4.73	32	Lg	Lg	03 26 31.2
SSF	SNR=1.0			ePn	Pn	03 25 15.5 +0.8
SSF	Saint Sauge	4.73	32	ePg	Pg	03 25 33.7 -0.5
SSF	SNR=1.0			eSn	Sn	03 26 08.7 -0.6
SSF	25nm,0.3s,SNR=1.0			eSg	Sg	03 26 34.4 -1.0
SSF	Saint Sauge	4.73	32	Pn	Pn	03 25 15.5 +0.8
SSF	SNR=1.0			Pg	Pg	03 26 08.7 -0.6
SSF	SNR=1.0			Sn	Sn	03 26 34.4
SSF	SNR=1.0			Lg	Lg	03 26 34.4
ORIF	13nm,0.3s			ePn	Pn	03 25 17.6 +2.8
ORIF	Oris-en-Rattie	4.74	66	ePn	Pn	03 25 17.6 +2.8
ORIF	SNR=1.0			eSg	Sg	03 26 33.9 -1.7
PAB	10.0nm,0.4s,SNR=1.0			Pn	Pn	03 25 16.9 +1.9
PAB	San Pablo	4.75	223	Pn	Pn	03 25 16.9 +1.9
PAB	7.5nm,2.7s,SNR=7.9			Sn	Sn	03 26 09.6 -0.4
PAB	8.3nm,4.1s,SNR=7.9			Lg	Lg	03 26 35.8
LMR	11nm,0.6s,SNR=7.9			ePn	Pn	03 25 18.7 +1.6
LMR	La Moure	4.91	85	ePn	Pn	03 25 18.7 +1.6
LMR	5.5nm,0.4s			eSg	Sg	03 26 39.1 -2.0
ECAL	7.1nm,0.3s,SNR=11			Pn	Pn	03 25 20.3 +2.2
ECAL	Calabor	4.97	258	Pn	Pn	03 25 20.3 +2.2
ECAL	6.5nm,0.4s,SNR=4.6			Pg	Pg	03 26 14.9 -0.7
ECAL	13nm,0.3s,SNR=6.2			Lg	Lg	03 26 44.9
PBRG	18nm,0.4s			ePn	Pn	03 25 21.0 +2.3
PBRG	Braganca	5.02	257	ePn	Pn	03 25 21.0 +2.3
PBRG	SNR=1.0			eSn	Sn	03 26 17.6 +1.1
PBRG	SNR=1.0			eSg	Sg	03 26 39.6 -5.1
PBRG	SNR=1.0			A	A	03 26 49.8
LOR	7.7nm,0.4s			ePn	Pn	

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Table with columns: JTS, JuntasAbangare, 18.8 115 Pn, Pn, 04 22 32.0 -1.7, etc.

ISCJB 31 04:23:20.8-0.7, 19.37S:0.04:69.30W:0.09, h124km, 5km, mb3.4/2, Error ellipse: s-maj=14.9km s-min=6.4km

GUC 31 04:23:20.9-0.4, 19.36S:69.22W, h12km, 2km, ML3.3, IDC 31 04:23:22.4-0.1, 19.33S:68.85W, h129km, 16km, mb3.1/3, mb1 3.2/6, mb1mx3.0/5.6, mbtm3.3/6, Error ellipse: s-maj=31.5km s-min=14.7km az=103.0

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

JMA 31 04:26:14.6-0.2, 38.17N:144.75E, h40km, M3.6, Off east coast of Honshu

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

IDC 31 04:40:03.1-7.3, 17.19S:174.95W, h0km, mb3.4/2, mb1 3.7/2, mb1mx3.4/5.3, mbtm3.4/2, Error ellipse: s-maj=315.5km s-min=69.2km az=142.0, Tonga Islands

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

IDC 31 04:48:59.0-1.0, 4.69S:105.31W, h0km, mb3.8/14, mb1 4.1/14, mb1mx4.0/36, mbtm3.8/14, MS4.0/17, Ms1 4.0/17, ms1mx3.9/25, Error ellipse: s-maj=45.7km s-min=16.9km az=61.0

ISCJB 31 04:48:59.0-0.7, 4.55S:0.1:105.17W:0.2, h13km, mb4.0/23, MS4.0/17, Error ellipse: s-maj=28.2km s-min=11.0km az=155.7

NEIC 31 04:49:00.7-0.5, 4.58S:105.22W, h10km, mb4.4/9, Error ellipse: s-maj=19.8km s-min=8.5km az=70.0

GCMT 31 04:49:03.7-0.6, 4.58S:0.03:104.83W:0.03, h19km, 2km, MW4.8/68, Moment Tensor: Solution. s20.c21; s68.c87; Duration: 0 Moment tensor: Scale 10^16Nm; Mir-0.43s. 12; Mw0.82±.10; Mw±.0.39±.10; Mw0.26±.23; Mw±0.43±.10; Mw±0.26±.21; Best double couple: Ms2.16200x10^16 Np1±278.00000°, s82.00000°, -1.0.00000°. NP2: 0±9.00000°, s80.00000°, -1.71.00000°. Principal axes: T 2.3350, P1g1.0000°, Azm323.0000°; N -0.3460, P1g7.0000°, Azm58.0000°; -1.9890, P1g13.0000°, Azm233.0000°. nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 31 04:49:01.3-0.8, 4.55S:0.1:105.27W:0.2, h13km, n5.0, e110/36, mb4.2/23, MS3.9/17, Central East Pacific Rise

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

2012 DEC

Table with columns: RKT, Rikitea, 34.21 235 eLR, LR, 05 04 52.0, etc.

ASRS 31 05:02:01.4, 53.88N:90.98E, M3.2, Industrial explosion (after The Earthquakes of Russia in 2012. Obninsk, GS

NCC 31 05:02:15.0-1.8, 53.538N:90.31E, h0km, 10km, mb4.0, mpt=7.5C-8D, E1E2, Error ellipse: s-maj=11.8km s-min=9.8km az=89.0, Suspected Mining explosion, Southwestern Siberia

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

JMA 31 04:49:51.6-0.5, 32.60N:138.43E, h334km, 5km, M3.1, IDC 31 04:49:52.1-1.1, 32.60N:138.44E:0.10, h35km, mb2.0/2, Error ellipse: s-maj=21.9km s-min=9.0km

IDC 31 04:49:55.1-1.9, 32.75N:138.18E, h327km, 69km, mb3.0/2, mb1 2.8/4, mb1mx2.6/5.4, mbtm3.6/4, Error ellipse: s-maj=172.7km s-min=50.5km az=73.0

ISC 31 04:49:55.1-1.9, 32.82N:0.1:138.39E:0.09, h350km, n16, e216/18, Southeast of Honshu

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

NIED 31 04:56:00.39:60N, 143.90E, h20km, Mw3.6 Best double couple: Ms2.55000x10^14, NP1±s:173.00000°, s33.00000°, -1.31.00000°. NP2±s:66.00000°, s74.00000°, -1.71.00000°

JMA 31 04:56:36.2-0.2, 39.59N:143.89E, h8km, M3.5, Off east coast of Honshu

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

31d 5h

Table with columns: KURBB, 89nm, 0.9s, JlgLg, Lg, 05 06 22.6, etc.

MEX 31 05:11:57.3-0.6, 16.454N:98.44W, h5km, 4km, MD3.5, Near coast of Guerrero

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

NIED 31 05:15:00.33:00N, 136.70E, h5km, Mw4.0 Best double couple: Ms9.58000x10^14, NP1±s:69.00000°, s27.00000°, -1.11.00000°. NP2±s:168.00000°, s86.00000°, -1.11.00000°

IDC 31 05:15:52.6-1.5, 32.92N:136.75E, h0km, mb3.3/3, mb1 3.5/6, mb1mx3.3/3.9, mbtm3.3/6, Ms1.2/3, Ms2.8/3, Ms1.2/3, ms1mx2.6/2.3, Error ellipse: s-maj=38.2km s-min=22.7km az=67.0

JMA 31 05:15:53.9-0.1, 32.96N:136.74E, h49km, 3km, M3.5, IDC 31 05:15:54.1±0.9, 32.99N:0.04:136.73E:0.03, h30km, 6km, mb3.3/3, Error ellipse: s-maj=6.9km s-min=4.4km az=164.7

ISC 31 05:15:53.3-1.7, 33.00N:0.06:136.73E:0.03, h11km, 11km, n25, e116/43, mb3.3/3, 5C-7D, Southeast of Shikoku

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

MEX 31 05:16:04.5-0.4, 14.56N:93.52W, h15km, 988km, MD3.5, Near coast of Chiapas

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

IDC 31 05:18:18.8±6.5, 53.76N:165.59W, h0km, mb3.5/4, mb1 4.0/5, mb1mx3.5/40, mbtm3.7/5, ML3.3/1, Error ellipse: s-maj=115.4km s-min=43.3km az=87.0

ISCJB 31 05:18:25.1±0.8, 53.61N:0.09:165.01W:0.09, h46km, 15km, mb3.6/3, Error ellipse: s-maj=16.7km s-min=4.8km az=153.7

NEIC 31 05:18:25.1±0.0, 53.64N:165.05W, h53km, ML3.7(AEIC), After AEIC

ISC 31 05:18:26.11.6, 53.64N:0.10:165.05W:0.05, h40km, 22km, n31, e081/41, mb3.9, Fox Islands

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

31d 6h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sand Point, Kodiak Island, Inuvik, Yellowknife Ar, Mina Array Bea, Lajitas Array.

MAN 31 05:20:17.4, 9.18N:125.32E, h4km, mb4.2, ML3.0, MS2.7, 1D, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Butuan, Surigao, Musuan.

DJA 31 05:30:54.6, 0.9, 9.5S: 109.5E, h10km, mb4.2, ML3.0, MS2.7, MLV3.57, Jawa

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Cimerak, Karang Pucung, Cisompet, Garu, Wanagama, Wogonigri, Semarang, Pacitan.

KRSC 31 05:41:47.2, 1.1, 54.35N: 161.48E, h44km, mb4.1, ML4.9, FELT [V] at GMS Kroniki

ISCJB 31 05:41:48.0, 4.0, 5.4, 43N: 161.09E, h63km, mb4.0, 3/1, Error ellipse: s-maj=7.8km s-min=3.3km az=28.1

MOS 31 05:41:48.1, 1.0, 54.45N: 161.44E, h58km, mb4.4/17, Error ellipse: s-maj=9.5km s-min=4.7km az=69.9

ISC 31 05:41:48.2, 0.8, 54.39N: 161.45E, h48km, mb4.0, 11/4, 1864/154, mb4.2/31, 2C-5D, Near east coast of Kamchatka Peninsula

Main station list table for the 31-day period, including stations like Mys Kozlova, Kizimen, Tumrok, Karymskiy, Kamnitskiy, Kamnitskiy, Mys Shipunski, Kopyto, Nalytchevo, Sedlovina, Avacha, Somma, Arik, Ugllovaya, Krutoberegovo, Koryaka, Dalny, Petropavlovsk, Ruskaya, Gorelyy, Mutnovka.

2012 DEC

Main station list table for December 2012, including stations like Mutnovka, Apacha, Khodutka, Kevotka, Kurul's, Magadan, Asahikawa, Kul'dur, Ussuriysk Arr, Tiksi, Matsuhiro, Matsushiro, Matsuhiro Arr, Eielson Array, Korea Array, DLBO, YKFA, Resolute Bay, ZALV, Makanchi Array, Borovoye, ARCES Array B, SUMG Summit, ARU Arti, Pinedale Array, ULM Lac du Bonnet, CMAR Chiang Mai Arr, FINESS Array B, NB2 NORSAR Subarra, NCHA NORSAR Array B, SCHEFFVILLE, GEYT Alikebeck, AKASG Malin Array Be, KBZ Khabaz, Lajitas Array, Colim, GERES Array B, Keskin Array B, WRAB Tennant Creek, WRA Warrungana Arr, ASAR Alice Springs, ESDC Sonseca Array, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek.

UCR 31 06:00:06.1, 9.9, 57N: 83.97W, h56km, mb4.2, ML3.5, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like La Lucha 2.

1510

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EDDO Dominical, SJS Escuela Geolog, HDC Heredia, EDLM San Mercedes, SRA1 San Ram'ın, EDPN Palmar Norte, EDBA Buenos Aires, TRT1 Tortuguero, JTS JuntasAbangare, PTJ1 Puerto Jim'ne, BRU2 Volcan, MESS Mesas.

ISCJB 31 06:01:24.5, 0.2, 7.15S: 120.07E, h605km, mb4.2, 4/27, Error ellipse: s-maj=9.5km s-min=5.3km az=149.1

NEIC 31 06:01:25.1, 0.4, 7.00S: 120.24E, h594km, mb4.3/18, Error ellipse: s-maj=10.6km s-min=5.2km az=53.0

ISC 31 06:01:25.8, 1.4, 7.02S: 120.26E, h602km, mb3.7/7, mb1 3.8/10, mb1 mx3.3/35, mbtmp4.7/10, Error ellipse: s-maj=33.1km s-min=12.2km az=64.0

DJA 31 06:01:28.0, 0.5, 7.53S: 121.02E, h571km, mb4.3/15, MLV3.8/15

ISC 31 06:01:25.3, 0.5, 7.19S: 120.20E, h595km, mb4.6km, n76, e193490, mb4.5/27, 1C, Flores Sea

Main station list table for the 1510 period, including stations like Bau Bau, Bulukumba, Ende, Flores, Waingapu, Maumere, Bone, Plampang, Bau Bau, Baing, Sumba, Sidrap Palu, Kendari, Baunata, Soe, Soe, Jajag, Banyuwya, Wanaagama, Fitzroy Crossi, Fitzroy Crossi, Cisolmet, Garu, Sibuu, Fak Fak, Kuching, Kota Kinabalu, Marble Bar, Giriala, Warrungana Arr, Tennant Creek, Warrungana Arr, AS31 Forrest, ASAR Alice Springs, ASAR Alice Springs, ASAR Forrest, NWAO Narrogin (SRO), BBOO Buckleboe, STKA Stephens Creek, STKA Stephens Creek, TOO Toolangi, CAN Canberra, NJ2 Nanjing, Chengdu, Lanzhou, Koldinga, Gumbra, Pulchoko, PKIN Phulchoki, Hu-ho-hao-te, HHC HHC, HHC HHC, KOLN Koldanda, DANN Danning, PYUN Pyun, CN2 Chanchung, USRK Ussuriysk Arr, WMQ Urumqi, BKZ Black Stump Fm, KSH Kashi, Makanchi Array, Makanchi Array, Makanchi Array, Makanchi Array.

31d 9h

Table with columns: Station, Name, Frequency, Band, Power, Azimuth, Elevation, and other parameters. Includes stations like WRAB, WB2, W3, MK01, etc.

2012 DEC

Table with columns: Station, Name, Frequency, Band, Power, Azimuth, Elevation, and other parameters. Includes stations like BOSA, SVE, ARU, TOO, BR101, etc.

1516

Table with columns: Station, Name, Frequency, Band, Power, Azimuth, Elevation, and other parameters. Includes stations like KEST, BRG, CLL, etc.

31d 12h

Table with columns: Code, Station Name, Az, El, P, Pmax, Time, Res, ISC. Includes stations like Pleasant Camp, Denali Highway, Pleasant Camp, etc.

2012 DEC

Table with columns: Code, Station Name, Az, El, P, Pmax, Time, Res, ISC. Includes stations like BOZ Bozeman, MCMT McKenzie Canyon, RLMT Red Lodge, etc.

1520

Table with columns: Code, Station Name, Az, El, P, Pmax, Time, Res, ISC. Includes stations like IDC 31 11:44:34.8, SOEI Soe, BATI Baumata, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARCES ARCES Array B 130.78, YKA Yellowknife Ar, ZALV Zalesovo Beam, ILAR Eielson Array, SONM Songoing Array.

IDC 31 12:15:59.6:1.3:2.75N-84.36W, h0km, mb3.8,5, mb1 4.1/7, mb1 mx3.8/36, mbtmp3.9/7, ML2.3/1, MS3.3/9, Ms1 3.3/9, ms1 mx3.1/32, Error ellipse: s-maj=52.0km s-min=23.0km az=24.0

ISCJB 31 12:16:01.5:1.0:2.7N-0.1:84.37W-0.08, h26km, mb3.8/5, MS3.4/5, Error ellipse: s-maj=19.0km s-min=9.1km az=26.4

ISC 31 12:16:03.1:1.0:2.8N-0.1:84.30W-0.10, h26km, n28, c249.122, mb3.9/5, MS3.3/5, Off coast of central America

Main table for 1521 containing station data for various locations including GRCG Isla de Gorgan, CMBC Cumbal, GCUF Volcan Galeras, CRUC La Cruz, JTS JuntasAbangare, etc.

ISK 31 12:19:19.3:37.15N:37.24E, h5km, ML1.9/4, Suspected Mining explosion.

ISCJB 31 12:19:20.5:0.6:3.715N:0.03:37.23E-0.05, h0km, Error ellipse: s-maj=5.5km s-min=4.5km az=159.2

DDA 31 12:19:21.3:37.12N:37.30E, h7km, ML2.7

ISC 31 12:19:25.0:0.9:37.13N:0.04:37.24E-0.04, h0km, n9, c055/14, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GAZ Gaziantep, GZT Gaziantep, KUZU Kuzanti, KMR5 Kahramanmaraş, etc.

ISCJB 31 12:51:12.5:0.7:55.2S:0.1:30.4W-0.2, h10km, mb4.3/14, MS3.7/2, Error ellipse: s-maj=15.2km s-min=13.5km az=7.1

IDC 31 12:51:12.3:0.8:55.10S:30.28W, h0km, mb4.1/6, mb1 4.2/6, mb1 mx4.0/22, mbtmp4.1/6, MS3.7/2, Ms1 3.7/2, ms1 mx3.1/17, Error ellipse: s-maj=28.5km s-min=22.1km az=81.0

NEIC 31 12:51:13.8:0.4:55.19S:30.42W, h10km, mb4.5/12, Error ellipse: s-maj=14.5km s-min=10.7km az=184.0

ISC 31 12:51:13.9:0.7:55.15S:0.1:30.4W-0.1, h10km, n35, c085/32, mb4.4/14, South Sandwich Islands region

Main table for 1521 containing station data for various locations including HOPE Hope Point, USHA Ushuaia, GO10 Punta Arenas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARAO ARCES Array B 130.77, YKA Yellowknife Ar, YKBS Yellowknife Ar, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, IL1 Eielson Array, ILAR Eielson Array.

ISCJB 31 12:51:36.9:0.5:37.80N:0.02:43.25E-0.03, h8km,5km, Error ellipse: s-maj=4.6km s-min=3.7km az=174.6

ISK 31 12:51:37.4:37.23N:43.15E, h10km, ML3.2/7

ISC 31 12:51:37.8:1.3:37.82N:43.17E, h0km,5km, ML3.1

DDA 31 12:51:37.5:37.85N:43.26E, h7km, ML3.0

ISC 31 12:51:37.4:1.1:37.85N:0.02:43.21E-0.03, h12km,10km, n28, c125/41, Turkey

Main table for 1521 containing station data for various locations including GEVA Gevas, AKDM Akdamar-Van, BASK Baskale, CUKT Cukurca, etc.

IDC 31 13:39:50.1:3.5:20N-125.46E, h0km, mb3.1/3, mb1 3.3/3, mb1 mx3.4/29, mbtmp3.1/3, Error ellipse: s-maj=69.6km s-min=18.7km az=80.0, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DAV Davao City (W), WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 31 14:02:40.5:12.0:44.58N-150.16E, h0km, mb3.3/3, mb1 3.7/3, mb1 mx3.3/49, mbtmp3.3/3, Error ellipse: s-maj=372.8km s-min=111.6km az=89.0, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILAR Eielson Array, YKA Yellowknife Ar, TXAR Lajitas Array.

IDC 31 14:07:47.2:2.7:72.7S:119.70E, h418km,29km, mb2.5/2, mb1 2.6/5, mb1 mx2.5/1, mbtmp3.3/5, Error ellipse: s-maj=61.7km s-min=23.2km az=63.0, Flores Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BATI Baunata, FITZ Fitzroy Cross, SIJL Sorong, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

ISCJB 31 14:11:08.7:0.7:39.28S:0.02:173.46E-0.03, h0km,5km, mb3.5/2, MS3.3/4, Error ellipse: s-maj=4.6km s-min=2.6km az=35.5

WEL 31 14:11:11.8:39.5:1:17.4E, h10km,1km, ML5.2/50

IDC 31 14:11:15.4:5.9:39.52S:173.56E, h31km,46km, mb3.3/2, mb1 3.5/3, mb1 mx3.4/37, mbtmp3.7/3, ML4.1/3, MS3.4/5, Ms1 3.4/5, ms1 mx3.2/12, Error ellipse: s-maj=27.0km s-min=21.5km az=114.0

ISC 31 14:11:09.1:2.9:29S:0.03:173.60E-0.04, h11km,6km, MS3.7/2, Error ellipse: s-maj=13.24km s-min=10.7km az=114.0, Off west coast of North Island

Main table for 1521 containing station data for various locations including NBEZ Newall Road No, NMEZ Namu Road, PKE Pukeiti, etc.

Main table for 1521 containing station data for various locations including TRVZ Tuoroa, FWZ Far West T-bar, DRZ Dome Shelter, DUWZ D'Urville Isla, etc.

IDC 31 14:12:02.7:2.7:72.7S:119.70E, h418km,29km, mb2.5/2, mb1 2.6/5, mb1 mx2.5/1, mbtmp3.3/5, Error ellipse: s-maj=61.7km s-min=23.2km az=63.0, Flores Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URZ Urewera, SNGZ Shannon Station, KUZU Kusotupu, etc.

IDC 31 14:12:02.7:2.7:72.7S:119.70E, h418km,29km, mb2.5/2, mb1 2.6/5, mb1 mx2.5/1, mbtmp3.3/5, Error ellipse: s-maj=61.7km s-min=23.2km az=63.0, Flores Sea

Main table for 1521 containing station data for various locations including URZ Urewera, SNGZ Shannon Station, RAGZ Rawiri, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KRMF, KRMK, KRMV, etc.

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

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like 957A, 060A, 656A, etc.

31d 18h

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

NIED 31 17:43:00, 37.80N, 143.70E, h0km, Mw3.8 Best double couple: M5.070000*10^14 NP1.0513.000000, delta.0200000, lambda.103.000000, NP2.0206.000000, delta.0800000, lambda.85.000000

ISCJCB 31 17:43:11.0.0.5, 37.71N, 143.73E, h0.05, h33km, mb3.9/10, Error ellipse: s-maj=6.0km s-min=5.3km az=153.1

NEIC 31 17:43:11.7.3.3, 37.71N, 143.80E, h24km, mb3.8, Error ellipse: s-maj=13.8km s-min=8.0km az=106.0

JMA 31 17:43:12.1.0.2, 37.79N, 143.71E, h51km, M3.7, Error ellipse: s-maj=13.8km s-min=8.0km az=106.0

ISCJCB 31 17:43:13.3.0.9, 37.73N, 143.66E, h0.08, h35km, n38, r=151/43, mb4.0/10, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIKH, JIO, JIKM, etc.

ISCJCB 31 17:46:56.7.1.9, 2.10N, 126.74E, h0km, mb3.4/4, mb1.3/6.4, mb1mx3.4/3, mbtmp3.4/4, Error ellipse: s-maj=117.1km s-min=23.9km az=69.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FITZ, WRA, ASAR, etc.

ISCJCB 31 17:47:22.8.0.7, 13.60N, 099.91E, h27km, mb4.1/6, mb4.2/22, MS3.5/4, Error ellipse: s-maj=13.7km s-min=4.7km az=25.7

NEIC 31 17:47:22.8.2.8, 13.56N, 91.80W, h27km, mb4.4/16, MD4.0/(MX), Error ellipse: s-maj=15.2km s-min=7.5km az=115.0

ISCJCB 31 17:47:24.0.4.2, 13.75N, 91.58W, h32km, mb3.8/9, mb1.4/1.2, mb1mx3.8/4, mbtmp4.0/12, ML3.5/3, MS3.6/4, Ms1.3/6.4, ms1mx3.0/3.7, Error ellipse: s-maj=36.7km s-min=16.5km az=44.0

MEX 31 17:47:34.1.0.7, 14.46N, 92.16W, h67km, mb2.7km, MD4.0

2012 DEC

UCR 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:24.0.8.0, 13.66N, 010.9185W, h37km, n57, r=150/58, mb4.3/22, MS3.4/4, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THIG, APG, APG, etc.

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

ISCJCB 31 17:47:51.2.1.5, 13.68N, 89.88W, h32km, 15km, ML3.1, mb4.4/(NEIC)

1526

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAT, MAT, JCJ, etc.

MOS 31 18:05:38.3.1.1, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

KRSC 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

ISCJCB 31 18:05:39.2.0.7, 51.00N, 158.57E, h64km, mb4.2/14, Error ellipse: s-maj=12.3km s-min=4.2km az=86.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MYK Mys Kozlova, KZV Kizimen, TUMD Tumrok D, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NNC 31 18:08:06.6:5.8, 37:02N:70:61E, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARCES ARCESS Array B, ISCJB 31 18:41:29.6:0.9, 21:08S:0:04:67:61W, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDC 31 19:00:54.7:2.9, 42:90N:105:00W, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like r1526/114, mb4/4/38, 8C-1D, Off west coast of northern Sumatra, LHMI Lhok Sumawe, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like RAYN Ar Rayn, NV01 Mina Array Sit, NVAR Mina Array Bea, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like EDC Edincik, GEVY SAKARYA, GEVY SAKARYA, etc.

IDC 31 20:31:36.3:6.3,6:42S:156:11E,h0km,mb3,7/4, mb1 3.8/4,mb1mx3.5/36,mbtmp3,7/4, Error ellipse: s-maj=198.3km s-min=34.0km az=112.0, Bougainville-Solomon Islands region

JMA 31 20:36:13.7,39:11N:142:13E,h45km,1km,M3.6,Near east coast of eastern Honshu

ISCBJ 31 21:06:52.0:0.4,24:28N:0:04:122:22E:0:02,h53km,7km, Error ellipse: s-maj=6.4km s-min=3.5km az=169.6

JMA 31 21:06:52.0:0.1,24:22N:122:20E,h53km,3km,M2.0 TAP 31 21:06:52.2,24:34N:122:17E,h59km,ML2.6,C

ISC 31 21:06:52.7:1.3,24:28N:0:05:122:21E:0:03,h50km,11km, 14S,0561/61,4D,Taiwan region

ISCBJ 31 20:14:46.3:0.3,40:62N:0:02:29:02E:0:02,h6km,3km, Error ellipse: s-maj=3.7km s-min=3.1km az=173.0

ISCBJ 31 20:14:46.2,40:61N:29:03E,h9km,ML2.5/23 DDD 31 20:14:47.1,40:54N:29:08E,h14km,M12.7

ISC 31 20:14:46.5:0.8,40:59N:0:02:29:02E:0:02,h15km,5km, n49,0563/67,Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like Code Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters.

31d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHGB Renai, YM07 YM07, YM01 YM01, etc.

IDC 31 21:07:50.4±1.2, 22.70N±121.45E, h0km, mb3.4/6, mb1 3.6/6, mb1mx3.4/51, mbmt3.4/6, Error ellipse: s-maj=40.4km s-min=23.9km az=60.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ECL Taimali, MASBT Mashibuluo, EAST Anshuo, etc.

2012 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TWF1 baz=34, YUS Yu-Shan, YULB Yu-li, etc.

1530

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JISG Ishigakijimahi, MHZO Yeshan, LYJJ Jianjiangzhen, etc.

ISC/JB 31 21:08:53.5±1.3, 51.1°N, 0.1°E, 179.01W, h21km, 8km, mb3.2/3, Error ellipse: s-maj=17.7km s-min=4.6km az=175.5

IDC 31 21:08:53.1±6.9, 51.55N±179.00W, h0km, mb3.1/3, mb1 3.7/4, mb1mx3.6/6, mbmt3.5/4, ML4.2/1, MS3.3/1, Ms1 3.3/1, ms1mx2.6/16, Error ellipse: s-maj=134.4km s-min=71.8km az=97.0

NEIC 31 21:08:55.1±0.0, 51.23N±179.01W, h26km, ML3.4(AEIC), n26, c096/30, mb3.3/3, Andreanof Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GAEA Gareloi Lava, TASE Tanaga Sinepa, TAFP Tanaga Falls, etc.

IDC 31 21:13:58.1±2.5, 13.69N±92.21W, h0km, mb3.4/3, mb1 3.8/5, mb1mx3.5/44, mbmt3.4/5, ML3.2/2, Error ellipse: s-maj=44.4km s-min=16.8km az=162.0

MEX 31 21:14:09.0±0.8, 14.36N±91.76W, h20km, 599km, MD3.7

ISC 31 21:14:01.2±1.6, 14.0N, 0.1°E, 142.01W, h10km, n9, mb3.3/3, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like THIG EI Apazote, APG Matias Romero, CMIG Matias Romero, etc.

GUC 31 21:18:31.4±0.6, 25.31S±71.14W, h29km, 3km, ML3.8

IDC 31 21:19:00.9±10.0, 23.70S±69.63W, h179km, 86km, mb3.8/1, mb1 3.1/2, mb1mx2.9/29, mbmt3.6/2, Error ellipse: s-maj=120.2km s-min=50.6km az=159.0

ISC 31 21:18:34.2±2.0, 25.4S±0.1°E, 171.1W, h2.2, h35km, n14, c1562/16, Off coast of northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB14 IPOC Station P, GO02 Mina Guanaco, PB10 IPOC Station P, etc.

ISCJB 31 21:21:05.9.0.3, 41.90N, 0.02:15.49E, 0.03, h28km, 3km, Error ellipse: s-maj=3.3km s-min=2.6km az=155.3 ROM 31 21:21:05.5.0.1, 41.877N, 0.008:15.523E, 0.010, h28km, 1km, ML2.9/44

ISC 31 21:21:05.4.1.1, 41.83N, 0.02:15.43E, 0.02, h18km, 2km, n80, c0586/109, Southern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like San Giovanni R, Melanico, Monte S. Angel, Monte Rocchett, Monte S. Croce Del S, Sant Agata di, Monte Rocchett, Carife, Sant'Elia a Pi, Gambatesa, Biccardi - mte, MOCO.

Table with columns: MOCO, TRIV, SAGR, SGTA, MRB1, CAFE, PTRJ, VULT, CAFR, MIDA, SNAL. Includes various station codes and their associated data.

Table with columns: SNAL, LPEL, MRVN, RN12, PALZ, VAGA, MCRV, MRLC, ACER, AMUR, BAI, VCEL, CDRU. Includes various station codes and their associated data.

Table with columns: BDFB, TOR, TOR, BDFB, TOR, TOR. Includes station names like Brasilia, Torodi Arr, Be, and Torodi Arr with associated coordinates and times.

ICD 31 21:40:05.3; 1.4, 1.44N; 66.71E, h0km, mb3.8/7, mb1 4.0/7, mb1mx3.6/43, mbtmp3.8/7, MS3.6/9, Ms1 3.6/9, ms1mx3.2/55, Error ellipse: s-maj=41.6km s-min=27.5km az=50.0

ISCJB 31 21:40:06.0; 1.4, 1.5N; 0.2; 66.7E; 0.2, h18km, mb3.9/7, MS3.6/9, Error ellipse: s-maj=36.1km s-min=23.9km az=143

ISC 31 21:40:08.2; 1.5, 1.5N; 0.3; 66.7E; 0.2, h18km, n22, c096/8, mb4.0/7, MS3.5/8, Carlsberg Ridge

Main table for the first section with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like Diego Garcia, Pallekete, WSAR, etc.

ICD 31 21:59:29.5; 1.3, 2.75S; 100.13E, h0km, mb3.9/10, mb1 3.9/11, mb1mx3.8/46, mbtmp3.9/11, ML2.9/11, MS3.1/1, Ms1 3.1/1, ms1mx2.6/45, Error ellipse: s-maj=46.9km s-min=17.4km az=59.0

DJA 31 21:59:33.6; 0.5, 3.5S; 10.0E, h10km, MS3.9/6, MLv3.9/6

ISC 31 21:59:32.2; 1.4, 2.90S; 0.09; 100.01E; 0.09, h23km, g9km, n26, c108/21, mb3.8/10, Southern Sumatra

Main table for the second section with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like Pulau Pagai, KRJI, SISI, etc.

ISCJB 31 22:05:26.7; 0.5, 3.7N; 10N; 0.03; 28.77E; 0.04, h0km, Error ellipse: s-maj=4.7km s-min=3.9km az=172.9

DDA 31 22:05:26.4, 3.7; 0.8N; 28.78E, h7km, ML2.7, Suspected Mining explosion.

ISK 31 22:05:26.1; 3.7; 1.1N; 28.83E, h10km, ML2.1/6

ISC 31 22:05:26.0; 0.8, 3.7; 15N; 0.0; 28.82E; 0.04, h0km, n12, c082/18, Turkey

Main table for the third section with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like Turunc, DENIZLI, TAVAS, etc.

ICD 31 22:12:24.9; 1.1, 29.32N; 130.41E, h0km, mb3.5/7, mb1 3.6/9, mb1mx2.4/57, mbtmp3.5/9, ML2.7/2, MS2.8/1, Ms1 2.8/1, ms1mx2.4/57, Error ellipse: s-maj=33.2km s-min=19.3km az=84.6

ISCJB 31 22:12:27.9; 0.6, 29.24N; 0.03; 130.64E; 0.07, h39km, g8km, mb3.4/7, Error ellipse: s-maj=10.5km s-min=3.9km az=21.3

JMA 31 22:12:28.5; 0.2, 29.36N; 130.54E, h73km, M3.0

ISC 31 22:12:27.2; 1.6, 29.29N; 0.03; 130.62E; 0.06, h20km, 7km, n27, c117/37, mb3.3/7, Ryukyu Islands

Main table for the fourth section with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like Nakanoshima, Yakushimahirau, etc.

ICD 31 22:12:54.9; 7.5, 21.95N; 143.05E, h308km, 73km, mb2.8/8, mb1 3.0/8, mb1mx2.8/5, mbtmp3.5/8, Error ellipse: s-maj=42.2km s-min=21.4km az=79.0, Mariana Islands

Main table for the fifth section with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like Korea Array, Songoing Array, etc.

ICD 31 22:16:18.4; 2.0, 1.68N; 126.35E, h0km, mb3.3/3, mb2.3/5, mb1mx3.3/45, mbtmp3.3/3, Error ellipse: s-maj=18.0km s-min=24.1km az=65.0, Northern Molucca Sea

Main table for the sixth section with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like Warramunga Arr, ASAR, etc.

ISCJB 31 22:26:31.8; 0.8, 2.7; 6N; 0.1; 139.8E; 0.3, h10km, mb3.8/8, Error ellipse: s-maj=37.0km s-min=15.2km az=178.9

ICD 31 22:26:32.1; 0.9, 2.7; 59N; 139.79E, h0km, mb3.8/8, mb1 4.0/9, mb1mx3.6/60, mbtmp3.8/9, ML2.9/1, Error ellipse: s-maj=44.2km s-min=19.1km az=91.0

ISC 31 22:26:33.7; 1.0, 2.76N; 0.1; 139.8E; 0.3, h10km, n9, c054/9, mb3.8/8, Bonin Islands region

Main table for the seventh section with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like Matsushiro Arr, Warramunga Arr, etc.

ISC 31 22:32:06.9; 4.1, 42.44N; 0.1; 140.9E; 0.2, h10km, n6, c093/8, Black Sea

Main table for the eighth section with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like Borcka, DBOC, etc.

ICD 31 23:06:21.9; 0.6, 15.20S; 173.15W, h0km, mb4.1/11, mb1 4.4/11, mb1mx4.1/43, mbtmp4.1/11, MS3.6/23, Ms1 3.6/23, ms1mx3.6/35, Error ellipse: s-maj=29.7km s-min=13.3km az=111.1

ISCJB 31 23:06:25.0; 0.4, 15.05S; 0.08; 173.42W; 0.09, h29km, mb4.2/22, MS3.7/22, Error ellipse: s-maj=14.3km s-min=9.0km az=136.3

NEIC 31 23:06:27.5; 0.3, 15.07S; 173.34W, h35km, mb4.3/11, Error ellipse: s-maj=12.1km s-min=7.7km az=137.0

ISC 31 23:06:26.0; 0.5, 15.13S; 0.08; 173.2W; 0.1, h29km, n70, c123/52, mb4.3/22, MS3.6/22, Tonga Islands

Main table for the ninth section with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like Don Marcelino, DMPP, etc.

RAR Rarotonga 14.13 17 ePn Pn 23 09 58.7 -5.7

Main table for the tenth section with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists various stations like RAR, DZM, DZM, etc.

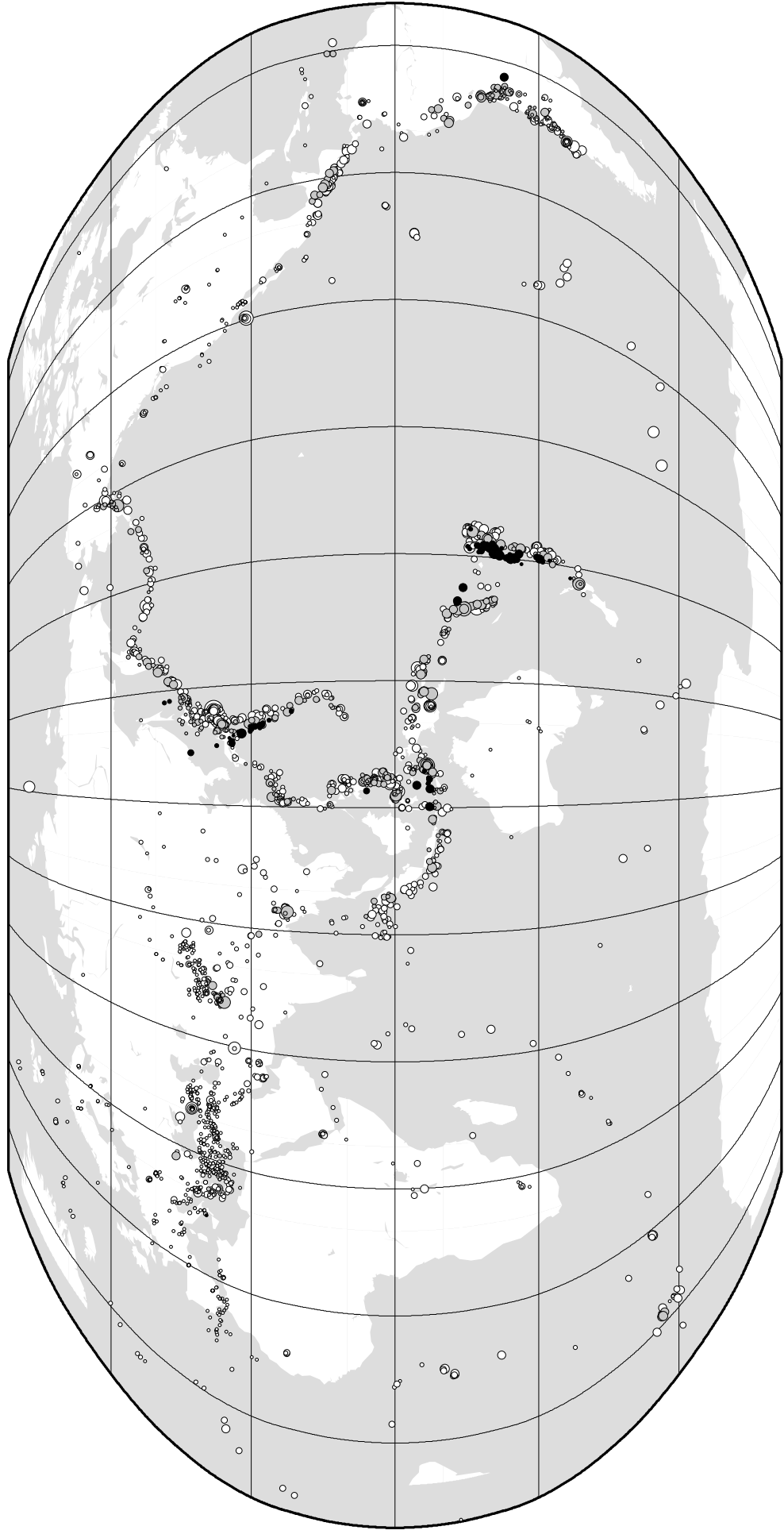
0.1nm,0.4s,baz=340,slow=7.0,SNR=5.5					
MKAR Makanchi Array	55.89 325	P	P	23 18 27.7	-1.9
0.2nm,0.4s,baz=121,slow=7.2,SNR=5.5					
ILAR Eielson Array	83.56 240	P	P	23 21 20.6	+1.6
0.4nm,0.5s,baz=249,slow=4.3,SNR=5.4					
ARCES ARCES Array B	88.63 340	P	P	23 21 42.3	-1.4
3.2nm,1.1s,baz=72,slow=5.8,SNR=0.8					
BRTR Keskin Array B	88.64 310	P	P	23 21 42.3	-2.3
0.7nm,1.0s,baz=51,slow=6.5,SNR=3.6					

ISCJB 31 23:11:12.0.0.4, 17:88S,0:03:69.81W,0:05,h137km,3km, mb4.0/15,Error ellipse: s-maj=7.6km s-min=5.1km az=5.2
 NEIC 31 23:11:12.8.0.7, 17:83S:69.77W,h122km,7km,mb4.3/2, ML4.2(GUC),Error ellipse: s-maj=12.5km s-min=8.2km az=103.0
 IDC 31 23:11:13.8.0.6, 17:77S:69.64W,h130km,4km,mb3.8/13, mb1.4/0.17,mb1mx3.9/29,mbmp4.3/17,MS3.0/4, Ms1.3.1/4,ms1mx2.9/20,Error ellipse: s-maj=14.5km s-min=12.5km az=311.0
 GUC 31 23:11:13.7.0.6, 17:93S:69.92W,h121km,3km,ML4.2
 ISC 31 23:11:13.0.0.5, 17:85S,0:04:69.87W,0:05,h128km,4km, n58,r1576/85,mb4.1/16,3C,Peru-Bolivia border region

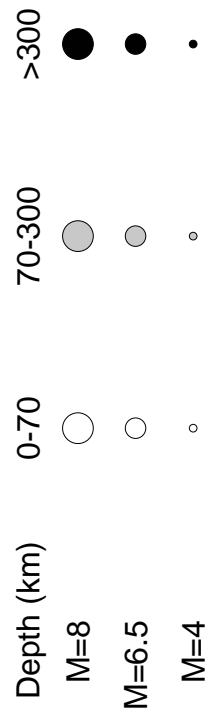
comp=Z,1.3nm,0.8s,baz=135,slow=6.2,SNR=6.1	ESDC Sonseca Array	83.89 45	P	P	23 23 28.1	-0.5
comp=Z,0.9nm,0.8s,baz=243,slow=5.0,SNR=3.9	BOSA Boshof	85.97 119	P	P	23 23 38.2	-1.3
comp=Z,1.6nm,0.8s,baz=216,slow=8.7,SNR=2.9	YKA Yellowknife Ar	87.46 341	P	P	23 23 46.3	+0.8
comp=Z,1.7nm,0.5s,baz=133,slow=4.8,SNR=63	YKA		pP	pP	23 24 19.1	+0.7
comp=Z,1.2nm,0.6s,baz=135,slow=4.8,SNR=7.0	VYHS Vyhne	102.31 43	ePDIFF	Pdif	23 24 55.9	+2.2
	VYHS		e		23 26 01.8	
ASAR Alice Springs	132.66 210	PKP	PKP	Pdf	23 30 13.6	+0.2
comp=Z,0.5nm,0.6s,baz=132,slow=2.2,SNR=8.8	Warramunga Arr	135.56 213	PKP	PKP	23 30 20.2	+1.4
comp=Z,0.9nm,0.6s,baz=148,slow=1.8,SNR=14	ZALV Zalesovo Beam	139.00 23	PKP	PKP	23 30 26.2	+2.1
comp=Z,0.4nm,0.4s,baz=323,slow=0.7,SNR=3.0	MKAR Makanchi Array	143.13 32	PKP	PKP	23 30 32.5	+0.6
comp=Z,0.1nm,0.4s,baz=26,slow=6.9,SNR=4.0	USRK Ussuriysk Ar.	147.94 330	PKPbc	PKPbc	23 30 43.2	0.0
comp=Z,1.4nm,0.7s,baz=46,slow=4.2,SNR=4.5	SONMI Songino Array	149.94 5	PKPbc	PKPbc	23 30 49.7	+1.3
comp=Z,0.7nm,0.6s,baz=325,slow=2.3,SNR=2.1	SONMI		pPKPbc	pPKPbc	23 31 24.8	+2.2
comp=Z,1.3nm,0.7s,baz=318,slow=1.9,SNR=2.9						

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PB16	IPOC Station P	0.59 145f	eP	ISC	23 11 33.6	+0.5
PB16			iS	Sn	23 11 48.8	+0.4
PB16			IAML		23 11 49.9	
	comp=N,6μm,0.4s					
PB12	IPOC Station P	0.88 210f	iP	Pn	23 11 34.1	-0.6
PB12			iS	Sn	23 11 50.1	-1.2
PB12			IAML		23 11 51.0	
	comp=E,14μm,0.2s					
MNMC	Minye Minye	1.30 168	ePn	Pn	23 11 39.8	+0.7
MNMC	Minye Minye	1.30 168	eP	Pn	23 11 39.6	+0.5
MNMC			iS	Sn	23 11 58.7	-0.2
MNMC			IAML		23 12 02.6	
	comp=E,6μm,0.2s					
PSGC	Pisagua	1.76 188	eP	Pn	23 11 43.2	-0.8
PSGC			iS	Sn	23 12 05.9	-1.9
PSGC			IAML		23 12 12.7	
	comp=N,2μm,0.6s					
PB11	IPOC Station P	1.91 174	ePn	Pn	23 11 46.1	+0.2
PB11	IPOC Station P	1.91 174	eP	Pn	23 11 46.3	+0.3
PB11			iS	Sn	23 12 11.4	+0.1
PB11			IAML		23 12 13.2	
	comp=N,2μm,0.4s					
GO01	Chusmiza	1.92 161	ePn	Pn	23 11 46.7	+0.3
GO01	Chusmiza	1.92 161f	iP	Pn	23 11 47.5	+1.2
GO01			iS	Sn	23 12 12.8	+0.9
GO01			IAML		23 12 15.7	
	comp=E,2μm,0.3s					
LPAZ	La Paz	2.28 47	P	Pn	23 11 52.8	+1.9
LPAZ			S	Sn	23 12 19.4	-0.5
	comp=E,14nm,0.3s,baz=86,slow=19,SNR=3.2					
PB08	IPOC Station P	2.38 164	eP	Pn	23 11 53.1	+1.1
PB08			iS	Sn	23 12 22.5	+0.6
PB08			IAML		23 12 24.0	
	comp=E,2μm,0.4s					
PB01	IPOC Station P	3.20 174	ePn	Pn	23 12 01.8	-0.5
PB01			eSn	Sn	23 12 37.4	-2.9
PB01			IAML		23 12 42.0	
	comp=E,1μm,0.2s					
PB02	IPOC Station P	3.45 180	eP	Pn	23 12 06.0	+0.4
PB02			iS	Sn	23 12 43.4	-2.9
PB07	IPOC Station P	3.86 180	eP	Pn	23 12 10.6	-0.4
PB07			iS	Sn	23 12 56.5	-0.6
PB04	IPOC Station P	4.47 183	ePn	Pn	23 12 18.4	-0.7
PB04			eSn	Sn	23 13 05.7	-4.8
LVC	Limon Verde	4.82 169	P	Pn	23 12 24.5	+0.5
LVC				Sn	23 13 17.0	-2.2
	comp=E,6.8nm,0.3s,baz=25,slow=8.7,SNR=116					
	comp=E,65nm,0.3s,baz=91,slow=14,SNR=24					
LVC			LR	LR	23 14 05.1	
	comp=E,28nm,21.2s,baz=340,slow=35					
LVC	Limon Verde	4.82 169	ePn	Pn	23 12 24.5	+0.5
LVC			eSn	Sn	23 13 16.2	-3.0
PB10	IPOC Station P	5.67 186	ePn	Pn	23 12 33.1	-1.9
YJA	Yavi	5.94 137	iP	Pn	23 12 39.6	+0.5
YJA			IAML		23 12 41.3	
	comp=Z,16nm,0.3s					
HJA	Humahuaca	6.78 143	iP	Pn	23 13 48.1	+1.9
HJA			IAML		23 12 53.2	
	comp=Z,84nm,0.5s					
HJA			iS	Sn	23 14 06.3	0.0
GO02	Mina Guanaco	7.28 178	ePn	Pn	23 12 55.3	-1.8
GO02			eSn	Sn	23 14 15.9	-2.6
AZAP	Zapla	7.77 146	iP	Pn	23 13 02.3	-1.2
AZAP			IAML		23 13 05.9	
	comp=Z,27nm,0.3s					
AZAP			iS	Sn	23 14 28.0	-2.1
ALOL	LOMAS DE OLMED	8.10 138	iP	Pn	23 13 05.6	-2.2
ALOL			iS	Sn	23 14 33.4	-4.3
SIV	San Ignacio	8.62 79	P	Pn	23 13 12.6	-2.3
SIV				Sn	23 14 46.6	-4.0
	comp=Z,0.8nm,0.3s,baz=186,slow=24,SNR=6.9					
SIV			LR	LR	23 16 44.3	
	comp=Z,94nm,18.4s,baz=307,slow=39					
NNA	Nana	8.91 310	P	Pn	23 13 17.2	-1.5
NNA			S	Sn	23 14 50.7	-6.7
	comp=Z,1.8nm,0.3s,baz=218,slow=19,SNR=2.4					
NNA	Nana	8.91 310	ePn	Pn	23 13 17.2	-1.5
NNA			eSn	Sn	23 14 46.6	-1.1
FSA	Cafayete	8.98 157	iP	Pn	23 13 17.4	-2.4
FSA			IAML		23 13 22.6	
	comp=Z,2.0nm,0.5s					
LCO	Las Campanas	11.14 184	ePn	Pn	23 13 48.0	-0.8
LCO			eSn	Sn	23 15 42.5	-9.1
CPUP	Villa Florida	14.36 128	P	Pn	23 14 28.0	-2.3
CPUP			LR	LR	23 21 23.3	
	comp=Z,51nm,18.5s,baz=266,slow=43					
ROC1	Ei Roble	15.10 184	eP	P	23 14 42.2	+0.1
	comp=Z,15nm,0.8s					
PTGA	Pitinga	19.60 31	P	P	23 15 30.1	-1.2
	comp=Z,4.8nm,0.3s,baz=204,slow=13,SNR=41					
BDFB	Brasilia	21.04 87	P	P	23 15 45.6	-1.4
	comp=Z,22nm,0.4s,baz=264,slow=8.9,SNR=20					
GO06	Curarrehue	21.70 183	eP	P	23 15 55.5	+1.6
	comp=Z,8.7nm,0.8s					
PLCA	Paso Flores	22.81 181	P	P	23 16 06.0	+1.0
	comp=Z,2.7nm,0.6s,baz=26,slow=11,SNR=13					
MDP	Montagnes des	28.45 38	P	P	23 16 55.5	-0.5
	comp=Z,14nm,0.9s,baz=180,slow=10					
TXAR	Lajitas Array	57.13 325	P	P	23 20 47.0	+0.6
	comp=Z,0.3nm,0.5s,baz=150,slow=8.3,SNR=7.2					
TXAR			pP	pP	23 21 17.5	+0.5
	comp=Z,0.5nm,0.8s,baz=148,slow=8.5,SNR=3.1					
TXAR			PcP	PcP	23 21 40.9	+1.1
	comp=Z,0.2nm,0.6s,baz=139,slow=5.9,SNR=3.0					
TXAR			LR	LR	23 46 14.1	
	comp=Z,96nm,18.5s,baz=0.0,slow=37					
LIC	Lamto	68.30 76	eP	P	23 22 00.0	-0.8
	comp=Z,22nm,1.1s					
TIC	Toumodi	68.47 75	eP	P	23 22 01.8	0.0
KIC	Kosan Boka	68.62 76	eP	P	23 22 02.0	-0.7
	comp=Z,18nm,0.7s					
DBIC	Dimbokro	68.62 75	P	P	23 22 02.3	-0.5
	comp=Z,9.6nm,0.8s,baz=217,slow=5.1,SNR=19					
TAOE	Nuku Hiva Isle	68.64 267	eLR	LR	23 21 30.2	
	comp=Z,341nm,25.1s					
PDAR	Pinedale Array	70.51 330	P	P	23 22 14.9	+0.9
	comp=Z,0.2nm,0.5s,baz=121,slow=8.5,SNR=4.1					
PDAR			pP	pP	23 22 46.9	+1.2
	comp=Z,0.5nm,0.8s,baz=136,slow=7.1,SNR=3.0					
ULM	Lac du Bonnet	71.58 343	P	P	23 22 19.6	-0.4
	comp=Z,1.4nm,0.5s,baz=141,slow=4.3,SNR=4.8					
ULM			pP	pP	23 22 52.2	+0.5
	comp=Z,1.6nm,0.7s,baz=162,slow=11,SNR=1.6					
NVAR	Mina Array Bea	72.08 322	P	P	23 22 25.3	+1.8
	comp=Z,0.8nm,0.8s,baz=110,slow=8.0,SNR=5.3					
NVAR			pP</			

ISC Computed Locations for December 2012



Robinson Projection, centred on 0°N, 130°E



3473 Events