

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

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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 18:45:41.7-1.4,22.1S;02-179.3W;02,h600km,n22,
c155/24,mb4.4/9,1C, South of Fiji Islands
Code Station Name Δ° AZ° Phase ID ISC Time Res
h m s ISC
HBZ Hicks Bay 15.60 187 eP Op 18 48 53.1 -2.1
URZ Urewera 16.41 190 P P 18 49 01.5 -1.1
MRZ Mangatoinoka R 19.02 192 eP P 18 49 26.7 +0.3
DIW D'Urville Isla 19.52 195 eP P 18 49 27.3 -3.6
CAW Cannon Point 19.55 193 eP P 18 49 31.7 +0.5
OTW Orongorongo Tu 19.73 193 eP P 18 49 33.0 +0.2
MCW Moikau 19.82 192 eP P 18 49 35.5 +1.9
THZ Tophouse 20.68 197 eP P 18 49 42.0 +0.5
KHZ Kahutara 21.14 195 P P 18 49 46.2 +0.8
ARMA Armidale 27.28 246 eP P 18 50 42.4 +2.3
4.9nm,0.5s
CTA Charters Tower 32.13 267 P P 18 51 22.3 +0.5
13nm,0.5s
STKA Stephens Creek 36.00 246 eP P 18 51 55.3 +1.5
3.1nm,0.4s
ASAR Alice Springs 42.97 259 P P 18 52 50.1 +0.4
9.8nm,0.5s,baz=92,slow=8.2,SNR=47
ASAR 1.0nm,0.8s,baz=95,slow=15,SNR=5.7
ASPA Alice Springs 42.97 259 eP P 18 52 50.1 +0.4
WRA Warramunga Arr 43.18 264 P P 18 52 51.0 -0.4
1.8nm,0.3s,baz=96,slow=7.8,SNR=93
WRA 0.3nm,0.9s,baz=99,slow=14,SNR=3.0
KAKA Kakadu 46.79 273 eP P 18 53 18.2 -0.7
14nm,0.4s
FITZ Fitzroy Crossi 51.61 264 eP P 18 53 54.3 +0.1
12nm,0.3s
MBWA Marble Bar 56.31 259 eP P 18 54 27.1 -0.1
11nm,0.6s
CMAR Chiang Mai Arr 89.48 290 P P 18 57 38.1 +1.7
1.3nm,0.8s,baz=135,slow=3.1,SNR=8.1
ARCES ARCESS Array B 130.23 349 PKKP PKIKP 19 03 43.7 -1.2
0.7nm,0.6s,baz=282,slow=4.2,SNR=3.5
FINES FINES Array B 136.91 342 PKKP PKIKP 19 03 57.3 -1.3
3.7nm,1.1s,baz=158,slow=3.2,SNR=5.4
MLR Muntele Rosu 148.83 325 PKKPbc PKIKP 19 04 22.7 -1.0
0.2nm,0.7s,baz=1.2,slow=23,SNR=2.3

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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.

1d 0h

Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, etc. Includes stations like SMI, KDU, KDU, MTN, MTN, MTN, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, etc. Includes stations like KAPI, KAPI, KAPI, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, etc. Includes stations like SSSLB, YHNB, Aida, etc.

1d 0h

O16K	Kokwok River B baz=210	85.39	16	P	P	00 22 05.1	-1.8
N15K	Kwethluk River comp=Z,7um,20.0s	85.39	15	IAMS_20	IAMS_20	00 52 47.4	
N15K	Kwethluk River baz=209	85.39	15	P	P	00 22 06.1	-0.8
SEY	Seymchan	85.39	352	eP	pmax	00 22 06.7	-0.1
SEY	comp=Z,73nm,2.0s				MLR	MLR	
Q18K	Katmai Hardscr baz=213,SNR=1.4	85.42	18	P	P	00 22 06.0	-1.2
KDAK	Kodiak Island comp=Z,6um,20.0s	85.42	19	IAMS_20	IAMS_20	00 54 33.6	
KDAK	Kodiak Island baz=215	85.42	19	P	P	00 22 05.2	-1.8
KDAK	Kodiak Island comp=Z,5um,20.0s,baz=228,slow=32	85.42	19	LR	LR	00 54 24.2	
M14K	Bethel comp=Z,38nm,0.9s	85.48	14	IAMB	IAMB	00 22 08.8	
M14K	comp=Z,5um,22.0s				IAMS_20	IAMS_20	00 52 51.5
M14K	Bethel baz=207,SNR=13	85.48	14	P	P	00 22 06.4	-0.9
P17K	Kvichak River baz=212,SNR=6.1	85.48	17	P	P	00 22 05.5	-1.8
M15K	Kasigluk River baz=208	85.72	14	P	P	00 22 08.2	-0.3
O17K	Koliganek Bris baz=211	85.80	16	P	P	00 22 07.1	-1.8
L14K	Kuka Creek comp=Z,56nm,1.2s	85.85	13	IAMB	IAMB	00 22 19.9	
L14K	comp=Z,5um,22.0s				IAMS_20	IAMS_20	00 52 33.4
L14K	Kuka Creek baz=206	85.85	13	P	P	00 22 08.0	-1.1
N16K	Nishlik Lake baz=210	85.98	15	P	P	00 22 09.0	-0.8
P18K	Big Mountain, comp=Z,54nm,1.0s	85.98	17	IAMB	IAMB	00 22 21.5	
P18K	comp=Z,4um,20.0s				IAMS_20	IAMS_20	00 55 08.1
P18K	Big Mountain, baz=213,SNR=6.8	85.98	12	P	P	00 22 08.2	-1.7
K13K	Kusilivak Mount comp=Z,81nm,1.9s	85.98	12	IAMB	IAMB	00 22 12.7	
K13K	comp=Z,6um,20.0s				IAMS_20	IAMS_20	00 55 26.9
K13K	Kusilivak Mount baz=204	85.98	12	P	P	00 22 09.9	+0.1
Q19K	Cape Douglas, baz=214	86.05	18	P	P	00 22 07.5	-2.8
TROLL	Troll, Antarti	86.06	184	P	P	00 22 09.7	-0.7
TROLL	Troll, Antarti	86.06	184	UP	UP	00 22 09.7	-0.7
SAIH	SAIHA	86.13	296	eP	IAMB	00 22 11.4	-0.2
SAIH	comp=Z,40nm,1.6s				IAMB	00 22 15.4	
Q20K	Shuyak Island baz=216	86.16	19	P	P	00 22 08.6	-2.1
SYI	Shuyak Island comp=Z,5um,20.0s	86.16	19	IAMS_20	IAMS_20	00 54 23.9	
IMP	Imphal	86.34	298	eP	P	00 22 11.4	-1.1
O18K	Koktuh Hills baz=213	86.38	17	P	P	00 22 09.3	-2.5
NVL	N'Nazarevskaya	86.38	187	eP	eS	00 22 10.3	-1.6
NVL	comp=Z,51nm,1.1s				smax	smax	
NVL	comp=N,3um,15.0s				smax	smax	
L15K	Ungalak Mounta baz=207	86.41	14	P	P	00 22 11.3	-0.5
M16K	Timber Creek	86.41	15	P	P	00 22 11.4	-0.6
M16K	comp=Z,52nm,1.0s				IAMB	00 22 18.5	
M16K	comp=Z,5um,20.0s				IAMS_20	IAMS_20	00 54 34.4
M16K	Timber Creek baz=217,SNR=1.4	86.41	15	P	P	00 22 12.0	0.0
N17K	Nushagak Hills comp=Z,63nm,1.6s	86.42	16	IAMB	IAMB	00 22 14.6	
N17K	Nushagak Hills baz=211,SNR=5.1	86.42	16	P	P	00 22 12.2	+0.2
MOKO	MOKOCHONG	86.53	300	eP	P	00 22 12.8	-0.8
GAMB	Gambell baz=198	86.54	8	P	P	00 22 12.0	-0.5
KOHI	KOHIMA	86.60	299	eP	IAMB	00 22 12.8	-1.1
KOHI	comp=Z,25nm,1.6s				IAMB	00 22 15.0	
SNA	Sanae	86.69	183	P	P	00 22 12.3	-1.2
SNA	Sanae	86.69	183	UP	UP	00 22 12.3	-1.2
P19K	Oil Pt	86.77	18	IAMS_20	IAMS_20	00 55 33.9	
P19K	Oil Pt baz=215	86.77	18	P	P	00 22 12.0	-1.7
N18K	Kilae Creek comp=Z,4um,19.0s	86.89	16	IAMS_20	IAMS_20	00 58 12.0	
N18K	Kilae Creek baz=212	86.89	16	P	P	00 22 13.5	-0.9
L16K	Owhat River comp=Z,5um,22.0s	86.89	14	IAMS_20	IAMS_20	00 53 11.0	
O16K	Owhat River baz=209,SNR=9.6	86.89	14	P	P	00 22 13.3	-1.0
L19K	Port Alsworth	86.91	17	P	P	00 22 13.1	-1.2
J14K	Narvaranak Lak comp=Z,44nm,1.8s	86.94	12	IAMB	IAMB	00 22 51.7	
J14K	comp=Z,5um,20.0s				IAMS_20	IAMS_20	00 55 46.2
J14K	Narvaranak Lak baz=205	86.94	12	P	P	00 22 13.7	-0.7
K15K	Wolf Creek Mou comp=Z,5um,21.0s	86.95	13	IAMS_20	IAMS_20	00 53 39.9	
K15K	Wolf Creek Mou baz=207	86.95	13	P	P	00 22 14.2	-0.4
ILSW	Iliamna Southw comp=Z,55nm,1.1s	87.06	18	IAMB	IAMB	00 22 27.1	
ILSW	comp=Z,5um,20.0s				IAMS_20	IAMS_20	00 55 32.8
M17K	Holitna River comp=Z,29nm,0.9s	87.11	15	IAMB	IAMB	00 22 36.2	
M17K	comp=Z,5um,22.0s				IAMS_20	IAMS_20	00 53 38.9
M17K	Holitna River baz=211	87.11	15	P	P	00 22 15.2	-0.2
HOM	Homer	87.24	19	IAMS_20	IAMS_20	00 55 08.4	
HOM	Homer baz=216	87.24	19	P	P	00 22 14.3	-1.7
CNPM	China Poot comp=Z,5um,21.0s	87.25	19	IAMS_20	IAMS_20	00 54 03.9	
SILR	SILCHAR	87.26	298	eP	P	00 22 17.6	+0.7
WNA3	Neumayer Olymp	87.28	180	P	P	00 22 15.0	-1.3
WNA3	Neumayer Olymp comp=Z,88nm,0.7s	87.28	180	UP	UP	00 22 15.0	-1.3
MCCM	Marconi Confer comp=Z,5um,20.0s	87.29	47	IAMS_20	IAMS_20	00 53 05.9	
O20K	Slope Mountain baz=215	87.29	18	P	P	00 22 15.0	-1.3
SNCC	San Nicolas Is comp=Z,4um,20.0s	87.30	53	IAMS_20	IAMS_20	00 53 44.3	
SNCC	San Nicolas Is baz=242	87.30	53	P	P	00 22 15.6	-1.3
SVW2	Sparrevohn comp=Z,46nm,1.6s	87.33	16	IAMB	IAMB	00 23 24.5	
SVW2	Sparrevohn baz=216	87.33	16	P	P	00 22 19.3	+2.9
BRDH	Bariadhah comp=Z,69nm,0.3s,baz=270,slow=11,SNR=1.0	87.34	296	P	P	00 22 16.6	-0.7
N19K	Bonanza Creek comp=Z,4um,20.0s	87.38	17	IAMS_20	IAMS_20	00 56 32.1	
N19K	Bonanza Creek baz=214	87.38	17	P	P	00 22 14.9	-1.8
ITAN	ITANAGAR	87.53	300	eP	P	00 22 18.7	+0.5
L17K	Donlin baz=210	87.54	15	P	P	00 22 17.2	-0.2
BRLL	Bradley Lake comp=Z,4um,20.0s	87.55	19	IAMS_20	IAMS_20	00 55 08.3	
SC22	Santa Cruz Isl baz=242	87.56	52	P	P	00 22 16.5	-1.8
VNA2	Neumayer-Watz baz=186,slow=4.0	87.57	181	P	P	00 22 16.6	-1.1
VNA2	Neumayer-Watz comp=Z,44nm,0.6s,baz=186,slow=4.0	87.57	181	UP	UP	00 22 16.6	-1.1

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BRSE	Bradley Lake S baz=217	87.58	19	P	P	00 22 16.9	-0.7
HOPS	Hoiland Field comp=Z,4um,20.0s	87.59	46	IAMS_20	IAMS_20	00 54 12.7	
M18K	Stony River baz=212	87.59	16	P	P	00 22 17.2	-0.4
SAO	San Andreas Ge	87.59	49	P	P	00 22 17.9	-0.3
SAO	comp=Z,55nm,0.9s				IAMB	00 22 23.9	
SAO	comp=Z,5um,20.0s				IAMS_20	IAMS_20	00 53 06.0
SAO	San Andreas Ge	87.59	49	P	P	00 22 18.0	-0.3
SAO	comp=Z,55nm,1.0s				pmax	pmax	
KCPM	Cahto Peak comp=Z,4um,18.0s	87.60	45	IAMS_20	IAMS_20	00 58 18.0	
KMPM	Mount Pierce comp=Z,6um,22.0s	87.62	45	IAMS_20	IAMS_20	00 51 38.5	
GDXM	Geysers comp=Z,6um,20.0s	87.68	47	IAMS_20	IAMS_20	00 53 38.2	
SBC	Santa Barbara baz=242	87.72	52	P	P	00 22 17.8	-1.1
BELO	BELONIA	87.74	296	eP	P	00 22 18.3	-1.0
PMPO	Monarch Peak comp=Z,5um,21.0s	87.75	50	IAMS_20	IAMS_20	00 52 41.1	
BBGB	Big Mountain B comp=Z,7um,22.0s	87.79	49	IAMS_20	IAMS_20	00 52 08.2	
KMRM	Maui Ridge comp=Z,6um,22.0s	87.79	45	IAMS_20	IAMS_20	00 52 17.7	
PKM	Mpherson Peak baz=242,SNR=24	87.86	51	P	P	00 22 18.9	-0.9
VNA1	Neumayer-Stat comp=Z,47nm,1.2s	87.86	181	P	P	00 22 17.9	-1.2
VNA1	Neumayer-Stat comp=Z,47nm,1.2s	87.86	181	UP	UP	00 22 17.9	-1.2
JCC	Jacoby Creek, comp=Z,6um,22.0s	87.89	44	eP	IAMS_20	00 52 31.5	
CIT	Chita	87.92	329	eP	P	00 22 19.5	0.0
CIT	comp=Z,282nm,1.5s				00 22 24.5		
CIT	comp=Z,282nm,1.5s				00 22 27.3		
CIT	comp=Z,282nm,1.5s				pmax	pmax	
SMK	Simmler baz=242	87.93	51	P	P	00 22 20.3	+0.3
L18K	Granite Mounta comp=Z,6um,22.0s	88.00	15	IAMS_20	IAMS_20	00 54 07.3	
L18K	Granite Mounta baz=212	88.00	15	P	P	00 22 19.8	+0.2
J16K	Anvik River comp=Z,5um,22.0s	88.03	13	IAMS_20	IAMS_20	00 53 50.0	
J16K	Anvik River baz=208,SNR=9.9	88.03	13	P	P	00 22 19.1	-0.6
K17K	Iditarod comp=Z,42nm,1.6s	88.04	14	IAMB	IAMB	00 22 26.5	
K17K	comp=Z,5um,22.0s				IAMS_20	IAMS_20	00 54 31.4
K17K	Iditarod baz=210	88.04	14	P	P	00 22 20.0	+0.2
TEZP	TEZPUR	88.04	300	eP	P	00 22 20.6	-0.1
KRPM	Rodgers comp=Z,5um,22.0s	88.07	44	IAMS_20	IAMS_20	00 52 14.3	
KHMM	Horse Mountain comp=Z,68nm,1.1s	88.11	44	P	P	00 22 20.9	0.0
KHMM	comp=Z,5um,21.0s				IAMB	00 22 33.1	
KHMM	comp=Z,68nm,1.1s				IAMS_20	IAMS_20	00 52 50.4
AGT	Agartala	88.17	296	eP	P	00 22 20.8	-0.4
BCW	Bitter Crk WRG comp=Z,5um,20.0s	88.17	51	IAMS_20	IAMS_20	00 54 45.4	
CIS	Catalina Islan baz=242	88.19	53	P	P	00 22 20.0	-1.2
SEW	Seward baz=218	88.26	19	P	P	00 22 19.3	-1.5
ANM	Nome comp=Z,5um,20.0s	88.26	11	IAMS_20	IAMS_20	00 57 33.0	
ANM	Nome baz=204	88.26	11	P	P	00 22 21.0	+0.2
CAPN	Captain Cook N baz=217	88.28	18	P	P	00 22 20.3	-0.7
M19K	Big River Lodg baz=214	88.31	16	P	P	00 22 18.7	-2.4
N20K	Mount Spurr baz=216	88.33	18	P	P	00 22 18.1	-3.1
SPCR	Spurr Kachacha baz=216	88.33	18	P	P	00 22 18.1	-3.1
KRMB	Red Mountain comp=Z,5um,19.0s	88.33	44	IAMS_20	IAMS_20	00 55 17.2	
SHL	Shillong	88.34	298	IAMB	IAMB	00 22 23.7	
SHL	Shillong comp=Z,51nm,0.9s	88.34	298	eP	P	00 22 21.5	-0.9

GHO	Glory Hole Cre	89.73	19	IAMS_20	IAMS_20	00 57 08.4			
PFO	Pinyon Flats 0	89.74	54	P	P	00 22 28.2	-0.5		
PFO	comp=Z,104nm,1.6s					00 22 39.0			
PFO	Pinyon Flats 0	89.74	54	IAMS_20	IAMS_20	00 55 19.2			
PFO	comp=Z,5um,20.0s								
PFO	Pinyon Flats 0	89.74	54	P	P	00 22 27.7	-1.0		
PFO	baz=244,SNR=20								
PFO	Pinyon Flats 0	89.74	54	dIP	pmax	00 22 28.5	-0.2		
PFO	comp=Z,97nm,1.4s								
PFO	MLR								
TPFO	Pinon Flats	89.74	54	P	P	00 22 27.7	-1.0		
KAIM	Kayak Island	89.76	21	IAMS_20	IAMS_20	00 57 42.3			
KAIM	Kayak Island	89.76	21	IAMS_20	IAMS_20	00 22 25.6	-2.4		
J19K	Poorman	89.77	15	IAMS_20	IAMS_20	00 57 10.0			
J19K	comp=Z,5um,20.0s								
J19K	Poorman	89.77	15	P	P	00 22 27.4	-0.5		
EYAK	Cordova Ski Ar	89.78	21	P	P	00 22 26.0	-2.0		
MPK	Martis Peak	89.80	47	IAMS_20	IAMS_20	00 55 05.1			
PMD	Palms Desert	89.82	54	IAMB	IAMB	00 22 30.7			
PMD	comp=Z,65nm,1.2s								
CWC	Cottonwood Cre	89.83	50	P	P	00 22 27.7	-1.3		
MLAC	Mammoth, Mammo	89.84	49	P	P	00 22 28.9	-0.3		
CUT	Chuilina	89.85	18	P	P	00 22 26.7	-1.5		
RRR	Edison Barstow	89.91	52	P	P	00 22 29.1	-0.1		
SML	Sawmill	89.94	19	IAMS_20	IAMS_20	00 57 15.9			
SML	comp=Z,4um,20.0s								
SML	Sawmill	89.94	19	P	P	00 22 27.6	-1.2		
SWSC	Sam W. Stewart	89.94	54	P	P	00 22 27.8	-1.6		
G17K	Kiwikali Mounta	89.98	12	P	P	00 22 28.0	-0.9		
PNTR	Pinet Nut	89.99	48	IAMB	IAMB	00 22 36.0			
PNTR	comp=Z,44nm,1.0s								
TIN	Tinemaha, Big	90.00	50	P	P	00 22 29.8	0.0		
RAGR	Ragged Mountai	90.02	21	IAMS_20	IAMS_20	01 01 03.0			
MPMC	Manual Prospec	90.08	51	P	P	00 22 28.9	-1.4		
DHUB	DHUBRI	90.08	298	ex	x	00 22 38.8			
SUCC	Suckling Hills	90.09	22	IAMS_20	IAMS_20	00 57 54.9			
DIB	Dawson Inlet	90.09	31	IAMB	IAMB	00 22 51.1			
H02S1	DAWSON INLET T	90.09	31	P	P	00 22 29.2	-0.4		
M23K	Glacier View	90.11	19	P	P	00 22 28.6	-1.0		
GCSA	Galena City Sc	90.12	14	P	P	00 22 29.2	-0.2		
HMT	Hamilton	90.12	21	IAMS_20	IAMS_20	00 58 49.7			
H18K	Honhosa River	90.14	13	IAMS_20	IAMS_20	00 55 27.9			
H18K	Honhosa River	90.14	13	P	P	00 22 27.9	-1.8		
CAST	Castle Rocks	90.17	16	P	P	00 22 27.5	-2.3		
YERR	Yerington	90.19	48	IAMB	IAMB	00 22 41.0			
YERR	comp=Z,95nm,1.6s								
GUVIX	Guadalupe Vic	90.22	55	IAMS_20	IAMS_20	00 55 12.7			
GSC	Goldstone, Bar	90.24	52	P	P	00 22 29.7	-1.2		
GSC	comp=Z,4um,20.0s								
GSC	Goldstone, Bar	90.24	52	P	P	00 22 28.8	-2.1		
GSC	baz=243,SNR=28								
GSC	Goldstone, Bar	90.24	52	P	P	00 22 29.7	-1.2		
BELC	Belle Mtn. Jos	90.26	53	P	P	00 22 31.1	0.0		
SCM	Sheep Creek Mo	90.26	19	IAMB	IAMB	00 22 51.0			
SCM	comp=Z,95nm,1.8s								
SCM	Sheep Creek Mo	90.26	19	P	P	00 22 28.4	-1.9		
K04D	Chioquin, OR	90.27	44	IAMS_20	IAMS_20	00 56 21.5			
J20K	Novinta River	90.27	15	IAMS_20	IAMS_20	00 57 13.5			
J20K	Novinta River	90.27	15	P	P	00 22 29.3	-0.9		
HEBO	Mount Hebo	90.33	41	IAMS_20	IAMS_20	00 54 44.8			
DSP	Deep Springs	90.33	50	IAMB	IAMB	00 22 36.9			
DSP	comp=Z,55nm,1.0s								
BERG	Berg Lake	90.35	21	IAMB	IAMB	00 25 52.8			
BERG	comp=Z,4um,18.0s								
LHV	Little Lake	90.36	49	IAMS_20	IAMS_20	00 54 04.2			
HEC	Hector, Ludlow	90.37	52	P	P	00 22 31.1	-0.4		
PAHR	Pah Rah Range	90.43	47	P	P	00 22 31.0	-0.8		
PAHR	comp=Z,86nm,1.5s								
KLU	Klutina	90.44	20	P	P	00 22 28.8	-2.4		
BRMR	Bremner River	90.47	21	P	P	00 22 29.6	-1.7		
QSM	Queen of Sheba	90.49	51	IAMB	IAMB	00 22 33.8			
QSM	comp=Z,104nm,1.6s								
NSH	Sunshine Point	90.49	22	IAMS_20	IAMS_20	00 55 30.6			
CHUM	Lake Minchumir	90.49	16	P	P	00 22 28.2	-3.0		
BC3	Big Chuckawall	90.51	54	P	P	00 22 31.7	-0.5		
NVAR	Mina Array Bea	90.58	49	P	P	00 22 32.5	-0.2		
NVAR	comp=Z,11nm,0.7s,baz=227,slow=8,PKKPbc					00 40 01.7	+0.9		
NVAR	comp=Z,0.2nm,0.3s,baz=101,slow=2.0,SNR=0.0					00 54 37.1			
KTH	Kantishna Hill	90.59	17	IAMS_20	IAMS_20	01 01 06.9			
GRAC	Grapevine Rang	90.59	50	IAMS_20	IAMS_20	00 55 43.4			
GRAC	comp=Z,5um,20.0s								
GRAC	Grapevine Rang	90.59	50	P	P	00 22 32.7	+0.3		
G03D	McMinnville, O	90.62	41	P	P	00 22 31.9	-0.5		
G03D	comp=Z,5um,20.0s								
LSA	Lhasa	90.66	302	P	P	00 22 33.7	+0.2		
LSA	comp=Z,1um,14.2s								
LSA	comp=Z,980nm,23.5s								
LSA	comp=Z,1um,24.2s								
LSA	comp=Z,2um,21.4s								
WAT1	Susitna Watana	90.67	18	P	P	00 22 30.1	-2.1		
GOMU	GeErMu	90.67	309	P	P	00 22 35.3	+2.0		
GOMU	comp=Z,25nm,1.8s					00 22 42.0	-0.9		
GOMU	comp=Z,4um,19.0s					00 22 45.0	+5.8		
GOMU	comp=Z,6.0nm,0.9s								
GOMU	comp=Z,1um,8.9s								

GOMU	comp=Z,550nm,17.7s			LR	LR				
GOMU	comp=Z,700nm,17.7s			LR	LR				
GOMU	comp=Z,900nm,18.0s			LR	LR				
TRF	Thorofare Moun	90.68	17	IAMS_20	IAMS_20	00 58 28.5			
TRF	Thorofare Moun	90.68	17	P	P	00 22 29.5	-2.9		
WAX	Waxell Ridge	90.68	22	IAMS_20	IAMS_20	00 58 30.6			
NV11	Mina Array Sit	90.69	49	IAMS_20	IAMS_20	00 54 14.9			
F17K	Baldwin Pennin	90.71	11	IAMB	IAMB	00 22 41.1			
F17K	comp=Z,5um,20.0s								
F17K	Baldwin Pennin	90.71	11	P	P	00 22 32.0	-0.2		
I20K	Naaghedeneel	90.71	15	IAMB	IAMB	00 22 55.5			
I20K	comp=Z,38nm,1.3s								
I20K	Naaghedeneel	90.71	15	P	P	00 22 31.6	-0.7		
I20K	baz=214								
FURC	Furnace Creek,	90.71	51	P	P	00 22 32.9	0.0		
WAT2	WAT2	90.72	18	P	P	00 22 31.0	-1.6		
GLA	Glamis	90.73	55	P	P	00 22 32.1	-1.1		
G18K	Tagagavik	90.73	13	IAMS_20	IAMS_20	00 58 35.3			
G18K	Tagagavik	90.73	13	P	P	00 22 31.6	-0.7		
G18K	comp=Z,5um,20.0s								
G18K	Tagagavik	90.73	13	IAMB	IAMB	00 22 48.3			
MESA	MESA	90.80	22	IAMS_20	IAMS_20	00 55 18.8			
MESA	comp=Z,5um,22.0s								
MESA	baz=225								
SLBS	Sierra La Lagu	90.80	65	P	P	00 22 33.7	-0.1		
M24K	Tolsona, Glenn	90.82	19	P	P	00 22 31.0	-1.9		
PLTX	Plaxet X, Gerl	90.84	46	IAMB	IAMB	00 22 43.3			
GMRC	Granite Mounta	90.85	53	P	P	00 22 32.7	-1.2		
K05A	Summer Lake	90.87	44	IAMB	IAMB	00 22 36.4			
K05A	comp=Z,32nm,0.8s								
H19K	Roundabout Mou	90.88	14	IAMB	IAMB	00 22 35.2			
H19K	Roundabout Mou	90.88	14	P	P	00 22 31.3	-1.7		
RADR	Rader Ridge	90.92	40	IAMB	IAMB	00 22 47.0			
RADR	comp=Z,60nm,1.0s								
J05D	Fort Rock, OR	90.93	43	P	P	00 22 33.5	-0.5		
J05D	comp=Z,44nm,0.8s								
TUQ	Turquoise Moun	90.94	52	P	P	00 22 31.0	-3.3		
N25K	Chitina, Valde	90.94	20	IAMS_20	IAMS_20	00 54 40.6			
N25K	comp=Z,4um,22.0s								
N25K	Chitina, Valde	90.94	20	P	P	00 22 32.2	-1.3		
IRM	Iron Mountain	90.96	54	P	P	00 22 33.4	-0.9		
ISLE	Juniper Island	90.97	22	IAMB	IAMB	00 22 42.5			
ISLE	comp=Z,56nm,1.4s								
KVN	Kaiserville	91.01	48	IAMS_20	IAMS_20	00 55 16.3			
BPWA	Bear Paw Mtn.	91.01	16	P	P	00 22 32.1	-1.6		
H04A	Detroit Lake	91.02	42	IAMB	IAMB	00 22 45.5			
WCT	WCT	91.03	51	IAMB	IAMB	00 22 45.6			
VRDI	Verde Repeater	91.04	21	IAMB	IAMB	00 22 36.5			
PALK	Pallekele	91.11	277	IAMS_20	IAMS_20	01 05 58.8			
PALK	comp=Z,5um,19.0s								
PALK	Pallekele	91.11	277	ceP	pmax	00 22 35.8	+0.4		
PALK	comp=Z,76nm,2.5s								
PALK	comp=Z,6um,18.0s								
PALK	Pallekele	91.11	277	P	P	00 22 34.9	-0.5		
PALK	comp=Z,38nm,0.9s,baz=273,slow=23,SNR=2.4								
PIX	Pinacate	91.14	56	IAMB	IAMB	00 22 36.8			
YK02	Yakutat	91.15	23	IAMS_20	IAMS_20	00 55 03.2			
E17K	Khukhtan Inlet	91.17	11	P	P	00 22 34.1	-0.3		
CRAG	Craig	91.18	29	IAMS_20	IAMS_20	00 53 03.6			
H20K	Antleneega Mo	91.20	14	P	P	00 22 34.2	-0.3		
DHY	Denali Highway	91.20	18	IAMS_20	IAMS_20	00 57 55.3			
DHY	Denali Highway	91.20	18	P	P	00 22 33.8	-1.0		
F04D	Rainier, OR	91.22	40	IAMS_20	IAMS_20	00 54 20.4			
SIT	Sitka	91.23	27	P	P	00 22 33.7	-1.1		
TABL	Table Mountain	91.27	22	IAMB	IAMB	00 22 50.9			
TABL	comp=Z,59nm,1.2s								
C03A	Quillayute Air	91.27	38	IAMS_20	IAMS_20	00 59 22.6			
G19K	Purcell Mounta	91.27	13	IAMS_20	IAMS_20	00 56 12.7			
G19K	Purcell Mounta	91.27</							

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E19K	Redstone River	92.37	12	I	Amb	I	Amb	00 23 01.8
E19K	comp=Z,23nm,0.9s							
E19K	comp=Z,6um,20.0s							
M27K	Edge Creek, AK	92.38	21	I	Amb	I	Amb	00 22 41.2
M27K	comp=Z,54nm,1.6s							
D05A	Enunclaw	92.38	40	P	P	P	P	00 22 39.0 -1.5
D05A	comp=Z,4um,20.0s							
L26K	Log Cabin Wild	92.39	20	I	Amb	I	Amb	00 58 18.6
L26K	comp=Z,4um,20.0s							
JIS	Juneau Island	92.40	26	I	Amb	I	Amb	00 22 51.9
JIS	comp=Z,44m,1.2s							
J07A	Izeze	92.40	26	P	P	P	P	00 22 40.8 +0.6
PRN	Pahroc Range	92.43	51	I	Amb	I	Amb	00 55 31.1
PRN	comp=Z,23nm,0.8s							
YUK3	Moose Creek	92.44	22	P	P	P	P	00 22 37.4 -3.2
YUK3	comp=Z,44m,1.2s							
R11B	Troy Canyon, C	92.46	50	I	Amb	I	Amb	00 22 51.3
R11B	comp=Z,60nm,1.8s							
R11B	comp=Z,4um,20.0s							
COLA	College	92.46	17	P	P	P	P	00 22 37.9 -2.4
P30M	Million Dollar	92.57	24	P	P	P	P	00 22 38.9 -2.2
YUK6	Outpost Mounta	92.61	23	P	P	P	P	00 22 38.8 -2.7
BOK	Bokaro	92.63	294	eP	I	Amb	I	Amb
BOK	comp=Z,102nm,1.9s							
ILAR	Eielson Array	92.65	17	P	P	P	P	00 22 38.0 -3.3
ILAR	comp=Z,2.7nm,0.7s,baz=23,slow=4.9,SNR=19							
IRK	Irkutsk	92.66	326	eP	P	P	P	00 22 41.3 -0.3
IRK	comp=Z,82nm,2.1s							
C18K	Utukok River	92.68	10	I	Amb	I	Amb	00 57 50.8
C18K	comp=Z,4um,21.0s							
J08A	Circle Bar Ran	92.73	44	I	Amb	I	Amb	00 22 44.4
J08A	comp=Z,27nm,0.7s							
BVCY	Beaver Creek	92.75	21	P	P	P	P	00 22 40.3 -1.5
BVCY	comp=Z,5um,20.0s							
H23K	Yukon River	92.76	16	I	Amb	I	Amb	00 57 26.1
H23K	comp=Z,4um,21.0s							
POKR	Poker Plat Res	92.76	17	P	P	P	P	00 22 39.5 -2.3
POKR	comp=Z,23nm,0.8s							
SKAG	Skagway	92.77	25	P	P	P	P	00 22 44.3 +2.4
SKAG	comp=Z,230,SNR=9.4							
YUK4	Talbot Arm	92.78	22	P	P	P	P	00 22 40.3 -1.9
YUK4	comp=Z,23nm,0.7s							
HYT	Haines Junctio	92.84	23	P	P	P	P	00 22 39.2 -3.2
HYT	comp=Z,228,SNR=6.5							
U35K	Hyder	92.86	30	I	Amb	I	Amb	00 58 04.9
U35K	comp=Z,5um,19.0s							
SCRK	Sand Creek	92.89	19	I	Amb	I	Amb	00 22 51.5
SCRK	comp=Z,35nm,1.4s							
L27K	Beaver Creek,	92.89	20	I	Amb	I	Amb	00 22 43.1
L27K	comp=Z,39nm,1.8s							
J25K	Salcha River,	92.95	18	I	Amb	I	Amb	00 59 20.5
J25K	comp=Z,5um,20.0s							
J25K	Salcha River,	92.95	18	I	Amb	I	Amb	00 59 20.5
J25K	comp=Z,5um,20.0s							
F21K	Alatna River	92.96	14	I	Amb	I	Amb	00 56 54.2
F21K	comp=Z,4um,22.0s							
F21K	Alatna River	92.96	14	I	Amb	I	Amb	00 56 54.2
F21K	comp=Z,4um,22.0s							
F07A	Phinny Hill Vi	93.00	41	I	Amb	I	Amb	00 22 48.7
F07A	comp=Z,14nm,0.7s							
F07A	comp=Z,5um,21.0s							
COYC	Coyhaique	93.07	142	P	P	P	P	00 22 43.9 0.0
COYC	comp=Z,31nm,1.0s							
D19K	Kuna River	93.09	12	I	Amb	I	Amb	00 23 10.2
D19K	comp=Z,27nm,1.1s							
D19K	comp=Z,5um,20.0s							
G22K	Bettles	93.16	15	P	P	P	P	00 22 41.3 -2.2
G22K	comp=Z,216							
H24K	Noodor Dome	93.20	16	I	Amb	I	Amb	00 59 53.9
H24K	comp=Z,3um,20.0s							
H24K	Noodor Dome	93.20	16	I	Amb	I	Amb	00 59 53.9
H24K	comp=Z,3um,20.0s							
LTY	Liberty	93.20	40	I	Amb	I	Amb	00 55 22.9
LTY	comp=Z,4um,22.0s							
B18K	Kokolik River	93.22	10	P	P	P	P	00 22 40.7 -3.1
B18K	comp=Z,207							
E20K	Nigu River	93.26	12	P	P	P	P	00 22 42.8 -1.3
E20K	comp=Z,219m,0.8s							
G08A	Pilot Rock	93.32	42	I	Amb	I	Amb	00 22 47.0
G08A	comp=Z,19nm,0.8s							
O30N	Mendhall	93.33	24	P	P	P	P	00 22 46.2
O30N	comp=Z,27nm,1.2s							
O30N	comp=Z,6um,20.0s							
O30N	Mendhall	93.33	24	P	P	P	P	00 22 43.9 -0.7
O30N	comp=Z,230,SNR=5.9							
G23K	Bananza Creek	93.34	15	I	Amb	I	Amb	00 23 49.2
G23K	comp=Z,46nm,1.9s							
G23K	comp=Z,4um,20.0s							
G23K	Bananza Creek	93.34	15	I	Amb	I	Amb	00 22 42.7 -1.8
G23K	comp=Z,4um,20.0s							
E07A	Sunnyside	93.36	41	I	Amb	I	Amb	00 22 57.6
E07A	comp=Z,61nm,1.7s							
E07A	comp=Z,4um,19.0s							
C19K	Lookout Ridge	93.36	11	I	Amb	I	Amb	00 59 07.8
C19K	comp=Z,4um,20.0s							
C19K	Lookout Ridge	93.36	11	I	Amb	I	Amb	00 22 43.2 -1.3
C19K	comp=Z,4um,20.0s							
T35M	Bob Quinn	93.38	29	I	Amb	I	Amb	00 55 51.5
T35M	comp=Z,6um,21.0s							
T35M	Bob Quinn	93.38	29	I	Amb	I	Amb	00 55 51.5
T35M	comp=Z,6um,21.0s							
J26L	Joseph Creek	93.40	19	I	Amb	I	Amb	00 22 47.8
J26L	comp=Z,49nm,1.6s							
J26L	comp=Z,3um,20.0s							
J26L	Joseph Creek	93.40	19	I	Amb	I	Amb	00 22 43.2 -1.7
J26L	comp=Z,3um,20.0s							
N30M	Aishikik Lake	93.41	23	I	Amb	I	Amb	00 22 54.0
N30M	comp=Z,34nm,1.6s							
N30M	comp=Z,6um,22.0s							
N30M	Aishikik Lake	93.41	23	I	Amb	I	Amb	00 22 41.6 -3.3
N30M	comp=Z,6um,22.0s							
HAWA	Hanford	93.48	41	I	Amb	I	Amb	00 22 48.4
HAWA	comp=Z,70nm,1.7s							
HAWA	comp=Z,5um,22.0s							
F22K	John River	93.48	14	P	P	P	P	00 22 44.1 -1.0
F22K	comp=Z,216							
P32M	Atlin	93.49	25	P	P	P	P	00 22 43.6 -1.7
P32M	comp=Z,232							
K27K	Chicken	93.51	19	I	Amb	I	Amb	00 23 06.8
K27K	comp=Z,43nm,1.4s							
K27K	Chicken	93.51	19	I	Amb	I	Amb	00 22 44.6 -0.6
K27K	comp=Z,225							

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TUC	Tucson	93.53	57	P	I	Amb	I	Amb	00 22 45.3 -0.9
TUC	comp=Z,39nm,1.4s								
TUC	Tucson	93.53	57	P	I	Amb	I	Amb	00 22 48.6
TUC	comp=Z,4um,20.0s								
TUC	Tucson	93.53	57	P	P	P	P	00 22 45.6 -0.6	
TUC	comp=Z,247								
TUC	Tucson	93.53	57	P	P	P	P	00 22 45.3 -0.9	
TUC	comp=Z,39nm,1.4s								
S34M	Telegraph Cree	93.54	28	I	Amb	I	Amb	00 23 15.1	
S34M	comp=Z,31nm,1.2s								
S34M	Telegraph Cree	93.54	28	I	Amb	I	Amb	00 22 45.0 -0.5	
S34M	comp=Z,29nm,0.8s								
D20K	Etivluk River	93.57	12	P	P	P	P	00 22 45.3 -0.1	
D20K	comp=Z,212								
LCMT	Little Creek M	93.57	52	I	Amb	I	Amb	00 22 58.1	
LCMT	comp=Z,39nm,1.3s								
M29M	Somme Creek	93.58	22	P	P	P	P	00 22 41.9 -3.8	
M29M	comp=Z,228								
PRP	Porcupine Dome	93.59	17	P	P	P	P	00 22 43.6 -2.2	
PRP	comp=Z,4um,18.0s								
PRP	Porcupine Dome	93.59	17	P	P	P	P	00 22 43.6 -2.2	
PRP	comp=Z,4um,18.0s								
SPR3	Spring Creek 3	93.62	49	I	Amb	I	Amb	00 22 49.4	
SPR3	comp=Z,74nm,1.8s								
SPR3	comp=Z,4um,20.0s								
JHSG	JHARSUGUGA	93.68	292	eP	P	P	P	00 22 45.2 -1.8	
JHSG	comp=Z,238,slow=30								
Q32M	Nakina River	93.69	26	P	P	P	P	00 22 43.6 -2.9	
Q32M	comp=Z,233								
CCUT	Cedar City	93.71	51	I	Amb	I	Amb	00 22 50.4	
CCUT	comp=Z,59nm,1.4s								
WHY	Whitehorse	93.71	24	P	P	P	P	00 22 44.6 -1.8	
WHY	comp=Z,5um,22.0s								
COLD	Coldfoot	93.71	15	P	P	P	P	00 22 45.3 -0.8	
COLD	comp=Z,218								
ELK	Elko	93.73	48	LR	P	P	P	00 56 32.6	
ELK	comp=Z,7um,21								

comp=Z,4um,20.0s	96.76	19	IAMS_20	IAMS_20	01 01 31.2
EYK Eagle Plains	96.76	19	P	P	00 22 59.1 -1.1
comp=Z,3um,20.0s	96.81	139	P	P	00 23 00.2 -0.3
EPYK Eagle Plains	96.81	139	P	P	00 23 01.0 -0.2
comp=Z,2um,20.0s	96.81	139	P	P	00 23 00.9 -0.2
EGYN Hyland Airport	96.81	25	P	P	00 23 33.1 -4.6
comp=Z,3.7nm,1.1s,baz=282,slow=3.8,SNR=3.2	96.81	139	P	P	00 22 59.5 -1.6
C26K Camden Bay	97.03	15	P	P	00 22 59.8 -1.7
comp=Z,3um,19.0s	97.12	348	P	P	01 06 21.5
TIXI Tiksi	97.12	348	P	P	00 22 59.8 -1.7
comp=Z,8.0nm,1.1s			MLR	MLR	
TIXI Tiksi			MLR	MLR	
comp=Z,3um,19.0s	97.13	42	IAMS_20	IAMS_20	00 58 45.1
MSO Missoula	97.13	42	P	P	00 22 60.0 -2.4
comp=Z,5um,21.0s	97.14	53	IAMS_20	IAMS_20	00 58 27.9
MVCO Mesa Verde	97.14	53	P	P	00 23 00.4 -2.4
comp=Z,4um,20.0s	97.15	20	IAMB	IAMB	00 23 26.4
H31M Peel River	97.15	20	P	P	00 23 01.0 -0.9
comp=Z,16nm,1.0s	97.15	20	P	P	00 23 01.0 -0.9
H31M Peel River	97.15	20	P	P	00 23 01.0 -0.9
comp=Z,2um,20.0s	97.19	56	IAMS_20	IAMS_20	00 57 53.5
Y22D IRIS PASSCAL I	97.19	56	P	P	00 23 01.3 -1.7
comp=Z,2um,20.0s	97.19	56	P	P	00 23 02.0 -1.0
Y22D IRIS PASSCAL I	97.19	56	P	P	00 23 02.0 -1.0
comp=Z,2um,20.0s	97.31	19	IAMS_20	IAMS_20	01 02 17.7
G30M tAoh Zraii Nji	97.31	19	P	P	00 23 00.9 -1.6
comp=Z,4um,20.0s	97.38	47	IAMB	IAMB	00 23 57.3
AHID Auburn Hatcher	97.38	47	IAMB	IAMB	00 23 57.3
comp=Z,12nm,0.7s	97.44	17	IAMB	IAMB	00 23 05.2
E28M Babbage River	97.44	17	IAMB	IAMB	00 23 05.2
comp=Z,50nm,1.6s	97.44	17	IAMB	IAMB	00 23 05.2
E28M Babbage River	97.44	17	IAMB	IAMB	00 23 05.2
comp=Z,3um,19.0s	97.51	16	IAMB	IAMB	00 23 06.1
D27M Malcom River	97.51	16	IAMB	IAMB	00 23 06.1
comp=Z,2.5nm,1.4s	97.51	16	IAMB	IAMB	00 23 06.1
D27M Malcom River	97.51	16	IAMB	IAMB	00 23 06.1
comp=Z,4um,22.0s	97.55	60	IAMB	IAMB	00 23 15.5
425A Indio Mountain	97.55	60	IAMB	IAMB	00 23 15.5
comp=Z,32nm,1.6s	97.55	59	P	P	00 23 02.4 -2.1
MNTX Cornudas Mount	97.55	59	P	P	00 23 02.4 -2.1
comp=Z,4um,22.0s	97.61	49	IAMS_20	IAMS_20	00 58 30.2
RDMU Red Mountain	97.61	49	IAMS_20	IAMS_20	00 58 30.2
comp=Z,5um,21.0s	97.75	17	IAMB	IAMB	00 23 02.2
E29M Blow River	97.75	17	IAMB	IAMB	00 23 02.2
comp=Z,15nm,1.2s	97.75	17	IAMB	IAMB	00 23 02.2
E29M Blow River	97.75	17	IAMB	IAMB	00 23 02.2
comp=Z,4um,20.0s	97.77	46	IAMS_20	IAMS_20	00 57 36.0
FXWY Fox Creek	97.77	46	IAMS_20	IAMS_20	00 57 36.0
comp=Z,4um,22.0s	97.84	19	P	P	00 23 03.3 -1.6
F30M Barrier River	97.84	19	P	P	00 23 03.3 -1.6
comp=Z,2um,20.0s	97.86	56	P	P	00 23 04.8 -1.3
ANMO Albuquerque	97.86	56	IAMS_20	IAMS_20	00 10 16.2
comp=Z,3um,20.0s	97.86	56	P	P	00 23 02.7 -3.3
ANMO Albuquerque	97.86	56	P	P	00 23 02.7 -3.3
comp=Z,2um,20.0s	97.86	56	P	P	00 23 06.4 +0.3
ANMO Albuquerque	97.86	56	P	P	00 23 06.4 +0.3
comp=Z,11nm,1.6s	97.87	19	IAMB	IAMB	00 23 08.1
G31M Satah River	97.87	19	IAMB	IAMB	00 23 08.1
comp=Z,24nm,0.9s	97.87	19	P	P	00 23 04.2 -0.8
G31M Satah River	97.87	19	P	P	00 23 04.2 -0.8
comp=Z,2um,20.0s	98.11	62	IAMB	IAMB	00 23 09.2
TX32 Lajitas Array	98.11	62	IAMB	IAMB	00 23 09.2
comp=Z,2.1nm,1.6s	98.11	62	IAMB	IAMB	00 23 07.0 -0.1
TXAR Lajitas Array	98.11	62	IAMB	IAMB	00 23 07.0 -0.1
comp=Z,4.0nm,1.1s,baz=225,slow=5.0,SNR=19	98.11	62	IAMB	IAMB	00 39 38.2 -1.9
TXAR Lajitas Array	98.11	62	IAMB	IAMB	00 39 38.2 -1.9
comp=Z,0.8nm,1.0s,baz=111,slow=5.5,SNR=4.4	98.11	62	IAMB	IAMB	00 58 29.3
TXAR Lajitas Array	98.11	62	IAMB	IAMB	00 58 29.3
comp=Z,6um,21.6s,baz=236,slow=30	98.12	44	P	P	00 23 04.2 -2.8
BOZ Bozeman (W)	98.12	44	P	P	00 23 04.2 -2.8
comp=Z,4.0nm,1.1s	98.18	35	IAMS_20	IAMS_20	00 58 47.3
BRLDA Berland Lookou	98.18	35	IAMS_20	IAMS_20	00 58 47.3
comp=Z,5um,21.0s	98.20	45	IAMS_20	IAMS_20	00 58 27.6
YFT Old Faithful	98.20	45	IAMS_20	IAMS_20	00 58 27.6
comp=Z,4um,22.0s	98.35	19	P	P	00 23 05.9 -1.2
F31M Tsightchic	98.35	19	P	P	00 23 05.9 -1.2
comp=Z,2um,20.0s	98.35	46	IAMS_20	IAMS_20	01 00 16.6
H17A Grant Village	98.35	46	IAMS_20	IAMS_20	01 00 16.6
comp=Z,4um,21.0s	98.35	46	IAMS_20	IAMS_20	00 58 27.6
H17A Grant Village	98.35	46	IAMS_20	IAMS_20	00 58 27.6
comp=Z,2um,20.0s	98.39	50	IAMS_20	IAMS_20	00 58 23.6
YNM Yellowstone No	98.39	50	IAMS_20	IAMS_20	00 58 23.6
comp=Z,4um,22.0s	98.39	50	IAMB	IAMB	00 23 27.9
O20A White River Ci	98.39	50	IAMB	IAMB	00 23 27.9
comp=Z,27nm,1.6s	98.39	50	IAMS_20	IAMS_20	00 59 18.0
O20A White River Ci	98.39	50	IAMS_20	IAMS_20	00 59 18.0
comp=Z,6um,22.0s	98.39	50	P	P	00 23 05.6 -2.7
O20A White River Ci	98.39	50	P	P	00 23 05.6 -2.7
comp=Z,4um,22.0s	98.41	45	IAMS_20	IAMS_20	00 58 24.9
YNR Norris Junction	98.41	45	IAMS_20	IAMS_20	00 58 24.9
comp=Z,4um,22.0s	98.43	47	P	P	00 23 05.8 -2.7
BW06 Boulder Array	98.43	47	P	P	00 23 05.8 -2.7
comp=Z,2.3nm,0.9s,baz=242,slow=3.2,SNR=14	98.43	47	P	P	00 23 07.8 -0.7
PDAR Pinedale Array	98.43	47	P	P	00 23 07.8 -0.7
comp=Z,1.2nm,0.9s,baz=58,slow=5.1,SNR=5.5	98.43	47	P	P	00 39 38.9 -1.1
PDAR Pinedale Array	98.43	47	P	P	00 39 38.9 -1.1
comp=Z,1um,21.9s,baz=250,slow=31	98.49	61	IAMB	IAMB	00 59 47.0
ALPN Alpine	98.49	61	IAMB	IAMB	00 59 47.0
comp=Z,10nm,1.2s	98.53	276	IAMS_20	IAMS_20	01 04 53.5
MN3I Minicoy	98.53	276	IAMS_20	IAMS_20	01 04 53.5
comp=Z,5um,21.0s	98.53	45	IAMS_20	IAMS_20	01 00 34.3
LKWY Lake	98.53	45	IAMS_20	IAMS_20	01 00 34.3
comp=Z,4um,22.0s	98.54	73	IAMS_20	IAMS_20	00 57 45.8
UNM Universidad Na	98.54	73	IAMS_20	IAMS_20	00 57 45.8
comp=Z,6um,22.0s	98.57	53	IAMS_20	IAMS_20	00 59 13.8
S22A 4UR Ranch, Cre	98.57	53	IAMS_20	IAMS_20	00 59 13.8
comp=Z,5um,22.0s	98.57	53	P	P	00 23 08.0 -1.3
S22A 4UR Ranch, Cre	98.57	53	P	P	00 23 08.0 -1.3
comp=Z,2um,20.0s	98.76	45	IAMS_20	IAMS_20	00 58 47.3
YMP Mirror Lake Pl	98.76	45	IAMS_20	IAMS_20	00 58 47.3
comp=Z,5um,22.0s	98.77	314	P	P	00 23 10.1 +0.3
WMQ Urumqi	98.77	314	P	P	00 23 10.1 +0.3
comp=Z,11nm,1.3s	98.77	314	P	P	00 23 14.8 +0.7
WMQ Urumqi	98.77	314	P	P	00 23 14.8 +0.7
comp=Z,2um,18.3s	98.77	314	P	P	00 23 30.5 +0.7
WMQ Urumqi	98.77	314	P	P	00 23 30.5 +0.7
comp=Z,730nm,17.3s	98.77	314	P	P	00 34 36.3 -2.6
WMQ Urumqi	98.77	314	P	P	00 34 36.3 -2.6
comp=Z,670nm,18.3s	98.95	18	IAMB	IAMB	00 23 11.1
INK Inuvik	98.95	18	IAMB	IAMB	00 23 11.1
comp=Z,34nm,1.5s	98.95	18	IAMS_20	IAMS_20	01 03 18.9
INK Inuvik	98.95	18	IAMS_20	IAMS_20	01 03 18.9
comp=Z,4um,20.0s	98.95	18	P	P	00 23 09.1 -0.7
INK Inuvik	98.95	18	P	P	00 23 09.1 -0.7
comp=Z,2um,20.0s	98.97	51	IAMS_20	IAMS_20	00 59 32.2
SMCO Snowmass	98.97	51	IAMS_20	IAMS_20	00 59 32.2
comp=Z,4um,22.0s	99.20	289	ex	x	00 27 15.1
AKL Akola	99.20	289	ex	x	00 27 15.1
comp=Z,2um,20.0s	99.37	298	ex	x	00 23 11.8 -0.8
LGTI Lahoghat	99.37	298	ex	x	00 23 11.8 -0.8
comp=Z,4um,20.0s	99.43	298	ex	x	00 27 33.5
LGTI Lahoghat	99.43	298	ex	x	00 27 33.5
comp=Z,3um,20.0s	99.43	298	ex	x	00 23 15.9
PTH Pithoragarh	99.43	298	ex	x	00 23 15.9
comp=Z,4um,20.0s	99.43	298	ex	x	00 26 44.5
PTH Pithoragarh	99.43	298	ex	x	00 26 44.5

comp=Z,6um,22.0s	99.49	45	IAMS_20	IAMS_20	00 59 20.6
RLMT Red Lodge	99.49	45	IAMS_20	IAMS_20	00 59 20.6
comp=Z,2um,20.0s	99.49	45	P	P	00 23 11.3 -1.8
RLMT Red Lodge	99.49	45	P	P	00 23 11.3 -1.8
comp=Z,4um,20.0s	99.56	53	IAMS_20	IAMS_20	01 01 52.0
SDCO Great Sand Dun	99.56	53	IAMS_20	IAMS_20	01 01 52.0
comp=Z,2um,20.0s	99.56	53	P	P	00 23 11.2 -2.6
SDCO Great Sand Dun	99.56	53	P	P	00 23 11.2 -2.6
comp=Z,2um,20.0s	99.61	25	P	P	00 23 12.3 -0.6
WRGLY Wrigley	99.61	25	P	P	00 23 12.3 -0.6
comp=Z,4um,21.0s	99.68	49	IAMS_20	IAMS_20	01 00 57.8
RWWY Rawlins	99.68	49	IAMS_20	IAMS_20	01 00 57.8
comp=Z,2um,20.0s	99.69	291	ex	x	00 23 09.5 -4.8
BHPL Bhopal	99.69	291	ex	x	00 23 09.5 -4.8
comp=Z,4um,19.0s	100.03	37	IAMS_20	IAMS_20	01 04 54.2
EDFM Edmonton	100.03	37	IAMS_20	IAMS_20	01 04 54.2
comp=Z,2um,20.0s	100.17	51	P	P	00 23 15.1 -1.3
ISCO Idaho Springs	100.17	51	P	P	00 23 15.1 -1.3
comp=Z,2um,20.0s	100.22	54	P	P	00 23 14.3 -2.1
T25A Trinidad	100.22	54	P	P	00 23 14.3 -2.1
comp=Z,4um,22.0s	100.22	42	P	P	00 23 14.5 -1.6
EGMT Egleton	100.22	42	P	P	00 23 14.5 -1.6
comp=Z,3um,20.0s	100.30	50	P	P	00 23 15.6 -1.2
N23A Red Feather La	100.30	50	P	P	00 23 15.6 -1.2
comp=Z,2um,20.0s	100.31	283	ex	x	00 23 15.6 -1.6
G0A Goa	100.31	283	ex	x	00 23 15.6 -1.6
comp=Z,4um,20.0s	100.39	58	IAMS_20	IAMS_20	01 01 26.2
MXST Muleshoe	100.39	58	IAMS_20	IAMS_20	01 01 26.2
comp=Z,2um,20.0s	100.39	58	P	P	00 23 16.3 -0.9
MXST Muleshoe	100.39	58	P	P	00 23 16.3 -0.9
comp=Z,2um,20.0s	100.48	48	P	P	00 23 16.6 -0.9
K22A Casper	100.48	48	P	P	00 23 16.6 -0.9
comp=Z,2um,20.0s	101.05	319	ex	x	00 23 19.0 -0.9
DGZ Jazator, Alta	101.05	319	ex	x	00 23 19.0 -0.9
comp=Z,10.0nm,1.1s			MLR	MLR	
DGZ Jazator, Alta			MLR	MLR	
comp=Z,1um,16.0s	101.30	286	ix	x	00 27 23.5
POO Poona	101.30	286	ix	x	00 27 23.5
comp=Z,2um,20.0s	101.31	64	P	P	00 23 20.9 -0.4
833A Chaparral WMA	101.31	64	P	P	00 23 20.9 -0.4
comp=Z,3um,20.0s	101.54	57	IAMS_20	IAMS_20	01 01 33.6
AMTX Amarillo	101.54	57	IAMS_20	IAMS_20	01 01 33.6
comp=Z,2um,20.0s	101.54	57	P	P	00 23 20.3 -2.0
AMTX Amarillo	101.54	57			

1d 0h

Table with columns: Call Sign, Name, Frequency, Mode, Band, Power, and other technical details. Includes stations like W50A Signal Mountai, 152A Waverly Hall, GR7H Grahamstown, etc.

2017 NOV

Table with columns: Call Sign, Name, Frequency, Mode, Band, Power, and other technical details. Includes stations like SDV Santo Domingo, L56A Greenwood, M57A Sunshine Farm, etc.

8

Table with columns: Call Sign, Name, Frequency, Mode, Band, Power, and other technical details. Includes stations like ICESG Greenland Ices, GNI Gani, NUIK Nuuk, etc.

1d 0h

Table of astronomical observations for 1d 0h, listing objects like SOKA, BLY, A051A, BIOC, PVO, TIR, etc., with their coordinates, magnitudes, and observation details.

2017 NOV

Table of astronomical observations for 2017 NOV, listing objects like NRCA, CAMP, MURB, AQU, ZCCA, PAOL, etc., with their coordinates, magnitudes, and observation details.

10

Table of astronomical observations for 10, listing objects like PBDV, PBDV, MORF, MORF, MORF, etc., with their coordinates, magnitudes, and observation details.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like DZM, ONTNC, KOUNC, MSFV, RTZ, MRZ, COEN, WR0, WBO, ASAR, WRA, MTN, MBWA, VNSA, QSPA, NVAR, J05D, EKA, GEC2, GERES, CLUD, CIMO, FUORN.

IDC 01 00:18:01.8:0.7,21:71S:169:02E,h0km,mb4.4/17, mbmp4.4/19,ML4.1/2, Error ellipse: s-maj=20.7km s-min=15.6km az=93.0

NEIC 01 00:18:04.2,1,21:80S:0:07:168:97E:0:04,h10km,1km, mb4.8/36, Error ellipse: s-maj=10.9km s-min=6.4km az=190.0

BGR 01 00:18:06.1,22:11S:170:21E,h33km ISC 01 00:18:03.9:0.4,21:76S:0:07:168:93E:0:05,h10km,n150, o#90/145,mb4.8/34,6Z,Loyalty Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like DZM, ONTNC, KOUNC, MSFV, EIDS, ARMA, URZA, RTZ, BKZ, MRZ, THZ, CTA, OXZ, RPZ, PMG, COEN, STKA, WR0, WBO, ASAR, WRA, MTN, PSAO, MBWA, TOLJ, VNSA, SBA, MJAR, JSD, QSPA, ASAJ, KSRS, KSAR, US0A, USRK, USRK, PETK, MAW, KLR.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like CMAR, SMAI, TROLL, SNAI, VNA3, VNA2, VNA1, ULN, SONM, ISA, MDPB, QSM, NVAR, GRAC, J05D, WCT, SHPR, PRN, X16A, ARCES, NSZ, MORC, OSTC, DPC, DBC, UJPC, JAVC, VRAC, PVCC, FLTG, BRG, CLL, CLL, CLL, CLL, CLL, KRUC, FBFE, NRDL, GOG, RETH, ASSE, PRU, HSK, NEUB, CLZ, ZVC, TAN, EKA, WERD, PLN, RONA, GUNZ, GTTG, WERN, CONA, MONA, CKRC, KHC, KHC, MANZ, GERES, ROTZ, WET, ARSA, GRO, MFA, SOKA, TNS, OBKA, RJOB, KBA, BOUS, LESA, LJU, MYKA, ABTA, CLUD, WATA, WATA, MOTA.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SQTA, RETA, CMO, WLF, UBR, FETA, BFO, DAVA, TORD.

IDC 01 00:22:28.2:3.0,22:30S:169:22E,h0km,mb3.3/2, mbmt3.4/3,ML3.7/1, Error ellipse: s-maj=130.3km s-min=39.2km az=163.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like DZM, ASAR, WRA, EKA, GERES.

IDC 01 00:25:32.2:3.5,20:53S:167:90E,h0km,mb3.4/3, mbmt3.4/4,ML3.3/1, Error ellipse: s-maj=101.0km s-min=28.8km az=122.0, Loyalty Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like DZM, WRA, ASAR, SONM, GERES.

IDC 01 00:26:26.7:3.4,21:83S:169:01E,h0km,mb3.5/3, mbmp3.6/4,ML2.8/1, Error ellipse: s-maj=194.6km s-min=25.0km az=163.0

IDC 01 00:26:30.6:2.0,22:15S:0:08:168:91E:0:2,h31km,n6, o#63/7,mb3.5/3, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like DZM, ASAR, WRA, NVAR, EKA, GERES.

IDC 01 00:27:27.0:0.9,21:78S:168:91E,h0km,mb4.1/11, mbmp4.1/12,ML3.7/1, Error ellipse: s-maj=27.1km s-min=20.3km az=163.0

NEIC 01 00:27:30.0:2.4,21:68S:0:07:168:86E:0:05,h10km,1km, mb4.5/12, Error ellipse: s-maj=13.0km s-min=6.6km az=190.0

IDC 01 00:27:31.5:0.6,21:63S:0:08:168:88E:0:08,h28km,n67, o#81/70,mb4.0/18,4C-1D,Loyalty Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MARNC, PINNC, LIPOU, QUENC, DZM, DZM, DZM.

CTAO Charters Tower 21:20 270 P P 00 31 45.2 +0.3

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WR0, WBO, WBO, ASAR, WRA, MTN, KAPI.

ASAR Alice Springs 32:30 260 P P 00 33 57.8 -0.3

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WRA, WBO, WBO, ASAR, MTN, KAPI.

ASAR Alice Springs 32:30 260 P P 00 33 57.8 -0.3

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WRA, WBO, WBO, ASAR, MTN, KAPI.

CMAR Chiang Mai Arr 79:19 295 P P 00 39 34.1 0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BELA Belgrano 2, TROLL Lroll, SNAASanae, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SONMI Songo Arica, NVAR Mina Array Bea, CLL Colim, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR Alice Springs, NVAR Mina Array Bea, GERES GERES Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MEX 01 00:39:13.3, PMUV Sontecomapan, TUIG Tuzandepetl, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MEX 01 00:39:33.0, PNIG Pinotepa, YONG Yosondua, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NOU 01 00:44:01.7, WEL 01 00:44:03.7, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LTZ McQueen's Vall, MOZ Oxford, AKZ Akaroa Harbour, RACZ Rakaia, THZ Tophouse, etc.

Code Station Name Az Az' Phase ID Time Res. Includes: RAO Raoul Island, RAO Raoul Island, etc.

Code Station Name Az Az' Phase ID Time Res. Includes: RAO Raoul Island, RAO Raoul Island, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like QSPA South Pole Qui, QSPA South Pole Qui, BELA Belgrano 2, PMSA Palmer Station, MAW Mawson, etc.

Code Station Name Az Az' Phase ID Time Res. Includes: BVAR Borovoye Array, FINES FINES Array B, etc.

Code Station Name Az Az' Phase ID Time Res. Includes: SIRT Sirmak, NC303 NORSAR Array B, etc.

Code Station Name Az Az' Phase ID Time Res. Includes: HFS Hagfors, AFSC Franklin Array B, etc.

Code Station Name Az Az' Phase ID Time Res. Includes: MMAI Mount Meron Ar, TORD Tordar, 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 SONM Songino Array, NVAR Mina Array Bea, ARCES ARCESS Array B, etc.

IDC 01 01:40:38.5.2.6.21.82S:169.17E, h0km, mb3.9/5, mbmp3.9/6, ML3.3/1, Error ellipse: s-maj=128.2km

ISC 01 01:40:42.6.2.22.0S:0.7.169.2E:0.2, h31km, n7, o=48/8, mb3.8/5, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, ASAR Alice Springs, etc.

IDC 01 01:46:40.3.0.9.21.36S:168.75E, h0km, mb3.7/9, mbmp3.8/11, ML3.6/1, Error ellipse: s-maj=30.4km

NOU 01 01:46:53.1.21.77S:168.00E, h0km, MLV3.5/5, Loyalty Islands

ISC 01 01:46:44.8.1.0.21.4S:0.2.168.6E:0.1, h20km, n26, o=178/24, mb3.9/10, 4D, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YATNC Mamie plateau, OUCNC Ouen Island, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CKRC Kasperes Hory, KHC KHC, GERES GERES Array B, etc.

NOU 01 01:52:44.6.21.54S:169.70E, h0km, MLV4.1/8, Southeast of Loyalty Islands

IDC 01 01:52:54.7.3.5.21.70S:169.04E, h0km, mb3.5/3, mbmp3.5/3, Error ellipse: s-maj=208.3km s-min=36.5km az=160.0

ISC 01 01:52:56.4.1.4.21.6S:0.1x168.9E:0.1, h10km, n12, o=1925/12, mb3.5/3, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, LIFNC LIFOU, etc.

NNC 01 01:53:04.3.2.5.38.27N:72.33E, h270km, mb2.1, mp3.0, Error ellipse: s-maj=35.9km s-min=19.5km az=44.0

IDC 01 01:53:06.4.11.0.37.94N:71.85E, h282km, 136km, mb2.9/1, mbmp3.5/5, Error ellipse: s-maj=105.3km s-min=73.2km az=122.0

ISC 01 01:53:01.3.3.7.38.0N:0.2x72.0E:0.2, h250km, n9, o=1503/7, 4C-3D, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AML Almayushu, AK31 Karatay Array, MKAR Makanchi Array, etc.

IDC 01 01:56:29.9.1.4.21.69S:168.36E, h0km, mb3.7/3, mbmp3.7/3, Error ellipse: s-maj=49.9km s-min=33.3km az=169.0, Loyalty 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, GSPA South Pole Qui, etc.

IDC 01 01:59:09.8.8.2.21.93S:167.72E, h0km, mb3.5/2, mbmp3.5/2, Error ellipse: s-maj=35.78km s-min=60.7km az=153.0, Loyalty 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, GERES GERES Array B, etc.

IDC 01 02:11:04.8.0.6.21.81S:168.90E, h0km, mb4.5/15, mbmp4.5/16, ML4.3/1, MS3.9/2, Error ellipse: s-maj=20.4km s-min=16.4km az=154.0

NOU 01 02:11:05.2.1.78S:168.95E, h0km, MLV4.9/9, Loyalty Islands

NEIC 01 02:11:06.6.1.3.21.80S:0.08:168.91E:0.05, h10km, 1km, mb4.9/50, Error ellipse: s-maj=13.6km s-min=6.9km az=22.0

BGR 01 02:11:08.1.21.80S:169.93E, h23km, 1km

ISC 01 02:11:07.8.0.6.21.78S:0.05:168.87E:0.05, h18km, 2km, h18km, pP, n190, o=93/201, mb4.9/48, 16D, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, YATNC Mamie plateau, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RTZ Ruatuhuna, RTZ Ruatuhuna, BKZ Black Stump Fm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MRZ Mangatatina 12s, TCW Torry Channel, THZ Tophouse, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CTAO Charters Tower, CTAO Charters Tower, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STKA Stephens Creek, STKA Stephens Creek, BBOO Buckleboon, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRO Warramunga Arr, AS1 Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WBO Warramunga Arr, WB2 Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FORT Forrest, PSA00 Pilbara Seismi, PSA00 Pilbara Seismi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NWA0 Narragin (SR), NWA0 Narragin (SR), GTOI Gorontolo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KAPI Kappang, TTSI Tana Toraja, TOL2 Tolitoli, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Vnda Vanda, SBA Scott Base, CASY Casey, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GSPA South Pole Qui, GSPA South Pole Qui, NJ2 Nanjing, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like USRK Ussuriysk Arr, USRK Ussuriysk Arr, USA0B Ussuriysk Arra, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, XAN Xian, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BELA Belgrano 2, HEH Heihe, PZH Panzhihua, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PZH Panzhihua, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ELIB Princess Elisa, ELIB Princess Elisa, LZH Lanzhou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TROLL Troll, Antarti, SNAA Sanae, SNAA Sanae, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SNAA Sanae, SNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.

1d 2h

Table with columns: ARMA, Armadale, 17.88 237, P, Pn, 02 28 05.6 +0.1, CAN Canberra, 20.20 228, P, Pmax, 02 28 51.9 -1.2, WRAB Tennant Creek, 32.38 267, P, P, 02 30 23.3 -3.1

2020 NOV

Table with columns: CAN Canberra, 20.20 228, P, Pmax, 02 28 51.9 -1.2, WRAB Tennant Creek, 32.38 267, P, P, 02 30 23.3 -3.1

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Table with columns: WRAB Tennant Creek, 32.38 267, P, P, 02 30 23.3 -3.1, WRAB Tennant Creek, 32.38 267, P, P, 02 30 23.3 -3.1

2017 NOV

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., SNR, SNRr, SNRf, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., SNR, SNRr, SNRf, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., SNR, SNRr, SNRf, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like LZH, M11K, O14K, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like K15K, M17K, M17K, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ULN, DECC, ARVO, etc.

1d 2h

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Power, SNR, and other metrics. Includes stations like PMR Palmer, G16K Koyuk River, G16K Koyuk River, etc.

2017 NOV

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Power, SNR, and other metrics. Includes stations like DSP, LHV, LHV, KLU, etc.

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Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Power, SNR, and other metrics. Includes stations like PIX, PIX, TPH, etc.

O29M	Mount Kennedy	92.00	23	P	P	02 37 00.4	-4.8
T33K	Petersburg	92.00	28	P	P	02 37 00.1	-4.9
GNW	Green Mountain	92.01	39	P	P	02 37 03.5	-1.8
GNW	comp=Z,57nm,1.1s			IAMS_20	IAMS_20	03 08 52.7	
WRAK	Wrangell Island	92.02	28	IAMS_20	IAMS_20	03 09 30.2	
WRAK	Wrangell Island	92.02	28	IAMB	IAMB	02 37 17.3	
WRAK	Wrangell Island	92.02	28	P	P	02 36 59.3	-5.8
ZAK	Zakamensk	92.05	324	eP	pmax	02 37 04.0	-1.6
C17K	Delong Mountain	92.08	10	P	P	02 37 01.9	-3.3
MENT	Mentasta	92.10	20	IAMS_20	IAMS_20	03 12 51.7	
K24K	Donnelly Dome	92.12	18	P	P	02 37 01.8	-3.7
WVOR	Wild Horse Val	92.15	45	IAMS_20	IAMS_20	03 10 19.5	
I23K	Minto, Yukon-K	92.16	19	P	P	02 37 02.3	-3.3
CCB	Clear Creek Bu	92.19	17	IAMS_20	IAMS_20	03 12 03.8	
G06A	Carlson Farm,	92.19	42	IAMB	IAMB	02 37 14.6	
PGC	Sidney	92.20	38	P	P	02 37 04.6	-1.5
LON	Longmire	92.21	40	IAMB	IAMB	02 37 35.6	
F20K	Avaraart Lake	92.21	13	IAMB	IAMB	02 37 38.2	
F20K	Avaraart Lake	92.21	13	P	P	02 37 01.4	-4.4
HDA	Harding Lake	92.24	18	IAMB	IAMB	02 37 13.9	
HDA	Harding Lake	92.24	18	IAMS_20	IAMS_20	03 15 54.3	
HDA	Harding Lake	92.24	18	P	P	02 37 02.6	-3.4
H22K	Ishlaitina Cre	92.25	15	P	P	02 37 02.6	-3.4
R32K	Eaglecrest	92.25	26	P	P	02 36 59.8	-6.4
E19K	Redstone River	92.25	12	IAMB	IAMB	02 37 37.7	
E19K	Redstone River	92.25	12	P	P	02 37 04.3	-1.7
G21K	Allakaket	92.25	14	IAMB	IAMB	02 37 38.0	
G21K	Allakaket	92.25	14	IAMS_20	IAMS_20	03 10 41.4	
G21K	Allakaket	92.25	14	P	P	02 37 03.2	-2.8
P1BC	Pleasant Camp	92.27	25	P	P	02 37 03.7	-2.5
W13A	Hualapai Moun	92.27	53	IAMB	IAMB	02 37 23.4	
W13A	comp=Z,12um,19.0s			IAMS_20	IAMS_20	03 14 27.3	
M27K	Edge Creek, AK	92.27	21	IAMB	IAMB	02 37 38.0	
M27K	Edge Creek, AK	92.27	21	P	P	02 37 01.1	-5.3
L26K	Log Cabin Wild	92.28	20	IAMS_20	IAMS_20	03 12 57.5	
L26K	Log Cabin Wild	92.28	20	P	P	02 37 01.1	-5.1
JIS	Juneau Island	92.30	26	IAMB	IAMB	02 37 29.0	
MDM	Murphy Dome	92.31	17	IAMB	IAMB	02 37 36.8	
MDM	comp=Z,10um,21.0s			IAMS_20	IAMS_20	03 12 08.1	
D05A	Enunclaw	92.32	40	IAMS_20	IAMS_20	03 12 14.8	
YUK3	Moose Creek	92.34	22	P	P	02 37 03.6	-3.2
COLA	College	92.35	17	P	P	02 37 03.8	-2.6
COLA	College	92.35	17	IAMS_20	IAMS_20	03 12 09.0	
COLA	College	92.35	17	P	P	02 37 01.4	-5.0
COLA	College	92.35	17	P	P	02 37 03.8	-2.6
I07A	Izeze	92.35	43	IAMB	IAMB	02 37 31.2	
TAPN	Taplejung	92.37	298	eP	P	02 37 06.8	-1.1
PRN	Pahroc Range	92.39	51	IAMS_20	IAMS_20	03 09 40.4	
R11B	Troy Canyon, C	92.41	50	IAMS_20	IAMS_20	03 12 05.7	
R11B	Troy Canyon, C	92.41	50	P	P	02 37 02.1	-5.6
P30M	Million Dollar	92.48	24	P	P	02 37 02.6	-4.7
VIS	Vishakhapatnam	92.48	288	eP	P	02 37 10.7	+2.5
YUK6	Outpost Mounta	92.52	28	P	P	02 37 04.7	-2.9
IRK	Irkutsk	92.52	326	eP	pmax	02 37 07.4	-0.2
BOK	Bokaro	92.53	294	eP	IAMB	02 37 04.6	-3.7
BOK	comp=Z,28nm,0.6s			IAMB	IAMB	02 37 15.5	
BOK	comp=Z,193nm,2.0s			i PP	PP	02 40 49.4	-0.6
ILAR	Eielson Array	92.54	17	IAMB	IAMB	02 37 04.2	-3.2
ILAR	comp=Z,1.5nm,0.6s,baz=231,slow=5.6,SNR=20			PP	PP	02 40 47.1	-2.0
ILAR	comp=Z,6.2nm,1.1s,baz=207,slow=4.3,SNR=5.7			S	SKSac	02 47 40.8	+0.8
ILAR	comp=Z,0.1nm,0.5s,baz=317,slow=33,SNR=1.1			PKKPBc	PKKPPdf	02 54 19.8	-1.8
ILAR	comp=Z,0.5nm,0.7s,baz=360,slow=2.9,SNR=4.9			PKKPPK	P	03 02 29.4	+2.5
C18K	Utukok River	92.56	11	IAMB	IAMB	02 37 31.8	
C18K	Utukok River	92.56	11	IAMS_20	IAMS_20	03 12 10.4	
C18K	Utukok River	92.56	11	P	P	02 37 04.7	-2.8
BVCY	Beaver Creek	92.65	21	P	P	02 37 06.1	-1.9
H23K	Yukon River	92.65	16	IAMS_20	IAMS_20	03 11 10.0	
H23K	Yukon River	92.65	16	P	P	02 37 05.7	-2.2
P0KR	Poker Plat Res	92.65	17	IAMS_20	IAMS_20	03 12 17.1	
P0KR	Poker Plat Res	92.65	17	P	P	02 37 04.2	-3.6
SKAG	Skagway	92.68	25	IAMB	IAMB	02 37 30.2	
SKAG	Skagway	92.68	25	P	P	02 37 02.9	-5.2
YU4K	Talbot Arm	92.68	22	P	P	02 37 06.3	-2.1
J08A	Circle Bar Ran	92.68	44	IAMB	IAMB	02 37 32.5	
J08A	comp=Z,58nm,0.9s			IAMS_20	IAMS_20	03 13 30.6	
HYT	Haines Junctio	92.74	23	P	P	02 37 06.5	-2.0
HYT	comp=Z,43nm,1.2s			IAMB	IAMB	02 37 23.6	
HYT	Haines Junctio	92.74	23	P	P	02 37 05.4	-3.2
U35K	Hyder	92.77	30	P	P	02 37 04.0	-4.5
SCRK	Sand Creek	92.78	19	P	P	02 37 04.0	-4.7

L27K	Beaver Creek,	92.79	20	IAMS_20	IAMS_20	03 10 23.1	
L27K	Beaver Creek,	92.79	20	P	P	02 37 02.6	-6.1
F21K	Alatina River	92.84	14	IAMS_20	IAMS_20	03 11 46.0	
F21K	Alatina River	92.84	14	P	P	02 37 03.7	-5.1
J25K	Salcha River	92.85	18	IAMB	IAMB	02 37 40.1	
J25K	comp=Z,14um,20.0s			IAMS_20	IAMS_20	03 13 49.3	
J25K	comp=Z,222,SNR=6.5	92.85	18	P	P	02 37 04.3	-5.5
RAGD	RAYAGADA	92.93	289	eP	P	02 37 12.0	+1.8
F07A	Phinny Hill Vi	92.94	41	IAMS_20	IAMS_20	03 09 50.4	
D19K	Kuna River	92.98	12	IAMS_20	IAMS_20	03 13 49.4	
D19K	Kuna River	92.98	12	P	P	02 37 04.3	-5.1
G22K	Bettles	93.05	15	P	P	02 37 04.3	-5.3
H24K	Noodor Dome	93.09	16	P	P	02 37 05.7	-4.3
B18K	Kolik River	93.10	10	P	P	02 37 05.4	-4.4
RAMN	Ramite	93.13	298	eP	P	02 37 10.2	-1.1
LTY	Liberty	93.14	40	IAMS_20	IAMS_20	03 09 54.5	
E0K	Nigu River	93.14	12	P	P	02 37 06.2	-4.0
COYC	Coyhaique	93.21	142	P	P	02 37 09.4	-1.7
O30N	Mendhall	93.23	24	IAMB	IAMB	02 38 12.1	
O30N	comp=Z,21um,22.0s			IAMS_20	IAMS_20	03 09 25.8	
O30N	Mendhall	93.23	24	P	P	02 37 06.9	-3.8
G23K	Bananza Creek	93.23	15	IAMS_20	IAMS_20	03 11 51.3	
G23K	Bananza Creek	93.23	15	P	P	02 37 04.9	-5.7
C19K	Lookout Ridge	93.24	11	IAMS_20	IAMS_20	03 12 45.4	
C19K	Lookout Ridge	93.24	11	P	P	02 37 06.6	-4.0
G08A	Pilot Rock	93.26	42	IAMB	IAMB	02 37 21.8	
B06A	Matemount	93.27	39	IAMS_20	IAMS_20	03 10 28.8	
T35M	Bob Quinn	93.29	29	P	P	02 37 07.5	-3.5
J26L	Joseph Creek	93.29	19	IAMS_20	IAMS_20	03 14 34.6	
J26L	Joseph Creek	93.29	19	P	P	02 37 07.2	-3.8
E07A	Sunnyside	93.30	41	IAMB	IAMB	02 37 35.4	
E07A	comp=Z,36nm,1.0s			IAMS_20	IAMS_20	03 10 01.8	
N30M	Aishkik Lake	93.31	23	IAMB	IAMB	02 37 25.9	
N30M	comp=Z,77nm,1.6s			IAMS_20	IAMS_20	03 09 53.9	
N30M	Aishkik Lake	93.31	23	P	P	02 37 06.5	-4.6
F22K	John River	93.37	14	P	P	02 37 06.4	-4.8
P32M	Atlin	93.40	25	P	P	02 37 08.2	-3.3
K27K	Chicken	93.40	19	IAMS_20	IAMS_20	03 13 51.1	
K27K	Chicken	93.40	19	P	P	02 37 08.9	-2.5
HAWA	Hanford	93.42	41	IAMB	IAMB	02 37 22.6	
HAWA	comp=Z,55nm,1.2s			IAMS_20	IAMS_20	03 09 41.8	
D20K	Etiyuk River	93.45	12	P	P	02 37 07.6	-3.9
S34M	Telegraph Cree	93.45	28	IAMB	IAMB	02 37 21.3	
S34M	Telegraph Cree	93.45	28	P	P	02 37 09.9	-1.8
PRP	Porcupine Dome	93.48	17	IAMS_20	IAMS_20	03 11 59.0	
PRP	Porcupine Dome	93.48	17	P	P	02 37 08.3	-3.6
M29M	Some Creek	93.48	22	P	P	02 37 08.6	-3.3
TUC	Tucson	93.50	57	P	P	02 37 10.8	-1.9
TUC	comp=Z,55nm,1.1s			IAMB	IAMB	02 37 24.8	
TUC	comp=Z,13um,20.0s			IAMS_20	IAMS_20	03 11 37.0	
TUC	Tucson	93.50	57	P	P	02 37 09.9	-2.8
TUC	Tucson	93.50	57	P	P	02 37 10.8	-1.9
LCMT	Little Creek M	93.53	52	IAMB	IAMB	02 37 27.3	
LCMT	comp=Z,48nm,1.1s			IAMS_20	IAMS_20	03 09 51.7	
JHSG	JHARSUGUGA	93.58	292	eP	P	02 37 17.3	+4.1
SPR3	Spring Creek 3	93.58	49	IAMB	IAMB	02 37 36.9	
SPR3	comp=Z,51nm,1.3s			IAMS_20	IAMS_20	03 10 18.7	
Q32M	Nakina River	93.60	26	IAMB	IAMB	02 37 28.7	
Q32M	Nakina River	93.60	26	P	P	02 37 10.4	-2.2
COLD	Coldfoot	93.60	15	P	P	02 37 11.1	-1.1
WHY	Whitehorse	93.61	24	IAMB	IAMB	02 37 31.6	
WHY	Whitehorse	93.61	24	P	P	02 37 09.4	-3.1
CCUT	Cedar City	93.67	51	IAMB	IAMB	02 37 25.8	
CCUT	comp=Z,51nm,1.2s			IAMS_20	IAMS_20	03 10 20.3	
ELK	Elko	93.68	48	IAMS_20	IAMS_20	03 10 19.2	
PSUT	Pine Spring	93.72	50	IAMS_20	IAMS_20	03 12 58.6	
J19N	Jiri	93.74	298	eP	P	02 37 13.8	-0.5
E21K	Killik River	93.75	13	IAMS_20	IAMS_20	03 13 09.9	
E21K	Killik River	93.75	13	P	P	02 37 09.9	-3.1
E08A	Dider Farm, El	93.75	41	IAMB	IAMB	02 37 21.8	
E08A	comp=Z,77nm,1.4s			IAMS_20	IAMS_20	03 10 25.8	
N31M	Braeburn, Yuko	93.81	23	IAMB	IAMB	02 37 21.9	
N31M	comp=Z,14um,22.0s			IAMS_20	IAMS_20	03 10 08.0	
N31M	Braeburn, Yuko	93.81	23	P	P	02 37 09.2	-4.1
X16A	Lo Mia Camp, P	93.83	55	P	P	02 37 12.4	-1.8
X16A	comp=Z,47nm,0.8s			IAMS_20	IAMS_20	03 11 49.6	
KNB	Knab	93.84	52	IAMB	IAMB	02 37 37.9	
KNB	comp=Z,116nm,1.4s			IAMS_20	IAMS_20	03 10 45.9	
G24K	Hadwenzic Riv	93.86	16	P	P	02 37 10.1	-3.4
SZCU	Shurtz Canyon	93.89	51	IAMB	IAMB	02 37 32.3	
SZCU	comp=Z,64nm,1.3s			IAMS_20	IAMS_20	03 10 28.0	
MOY	Mondy	93.95	325	eP	pmax	02 37 12.3	-2.0
MOY	comp=Z,282nm,1.9s			pmax	pmax		
E22K	Anaktuvuk Pass	93.96	14	P	P	02 37 10.2	-3.7

H25L	Birch Creek	93.96	17	P	P	02 37 10.5	-3.3
A19K	Wainwright	93.97	10	P	P	02 37 11.7	-2.1
U15A	North Rim	94.00	52	IAMB	IAMB	02 37 23.8	
U15A	comp=Z,70nm,0.9s			IAMS_20	IAMS_20	03 11 51.0	
I26K	Coal Creek Min	94.00	18	IAMS_20	IAMS_20	03 14 34.9	
I							

CHKK	Chushkaly	106.01 311	ePKIKP	PKIKP	02 42 20.1	-0.6
BGNE	Belgrade	106.03 51	IAMS_20	IAMS_20	03 20 10.5	
GNNE	Belgrade	106.03 51	P	PKIKP	02 42 20.2	-0.6
T35A	Sooner Cattle	106.11 56	IAMS_20	IAMS_20	03 18 32.9	
PETF	Flores	106.16 78	IAMS_20	IAMS_20	03 15 32.8	
SUSD	Miller	106.22 48	IAMS_20	IAMS_20	03 18 56.3	
SUSD	Miller	106.22 48	P	PKIKP	02 42 20.0	-1.0
NATX	Nacogdoches	106.23 62	P	PKIKP	02 42 20.0	-1.4
PB14	IPOC Station P	106.25 125	PKP	PKIKP	02 42 19.7	-2.5
N33A	I Bar K, Exete	106.38 52	IAMS_20	IAMS_20	03 19 30.6	
BHUJ	Bhuj	106.39 289	eP	Pdf	02 38 12.2	+1.6
X37A	Clayton	106.41 59	IAMS_20	IAMS_20	03 18 38.8	
TUL3	Leonard	106.41 57	P	PKIKP	02 42 21.4	-0.2
KUU	Kurty	106.48 311	ePdif	Pdif	02 38 11.4	+0.7
KUU	Kurty	106.48 311	LR	LR	03 27 17.5	
KUU	Kurty	106.48 311	iP	MLR	02 38 11.3	+0.7
KURK	Kurchatov	106.62 318	P	Pdf	02 38 10.5	-0.5
KURK	Kurchatov	106.62 318	PKIKP	PKIKP	02 42 11.0	0.0
KURRB	Kurchatov Arra	106.65 318	Pdf	Pdf	02 38 13.4	+2.3
KURRB	Kurchatov Arra	106.65 318	PKIKP	PKIKP	02 42 22.3	+0.7
KURRB	Kurchatov Arra	106.65 318	PKPbc	PKKpbc	02 53 39.6	-2.6
KURRB	Kurchatov Arra	106.65 318	PKPbc	PKKpbc	03 02 07.8	+5.4
FFC	Flin Flon	106.80 37	IAMS_20	IAMS_20	03 18 28.7	
441A	DeRidder	107.18 63	IAMS_20	IAMS_20	03 18 06.6	
L34A	Svensden Farm	107.46 51	IAMS_20	IAMS_20	03 18 47.2	
SGDS	Sogind	107.58 310	ePdif	Pdif	02 38 15.3	-0.2
SGDS	Sogind	107.58 310	ePP	PP	02 42 42.8	-1.2
SGDS	Sogind	107.58 310	iP	Pdif	02 38 15.3	-0.2
US6A	Gravette	107.65 57	IAMS_20	IAMS_20	03 19 07.6	
ECSD	EROS Data Cent	107.69 49	IAMS_20	IAMS_20	03 19 26.1	
ECSD	EROS Data Cent	107.69 49	P	PKIKP	02 42 22.7	-1.1
N35A	Tabor	107.74 52	IAMS_20	IAMS_20	03 20 24.7	
MIAR	Mount Ida	107.83 59	IAMS_20	IAMS_20	03 20 26.5	
MIAR	Mount Ida	107.83 59	P	PKIKP	02 42 23.5	-0.8
HHAR	Hobbs	107.96 57	IAMS_20	IAMS_20	03 20 47.9	
WLAR	White Oak Lake	107.99 60	IAMS_20	IAMS_20	03 23 05.9	
HPZE	Horizontes, Gu	108.12 85	IAMS_20	IAMS_20	03 16 40.7	
LPA	La Plata	108.31 141	ePDIFF	Pdif	02 38 21.7	+2.6
LPA	La Plata	108.31 141	PP	PP	02 42 45.0	-3.4
LPA	La Plata	108.31 141	SKS	SKS	02 49 01.4	+2.4
LPA	La Plata	108.31 141	PS	PS	02 52 10.7	-2.2
BTL5	Baital	108.34 312	iPdif	Pdif	02 38 19.6	+0.8
BTL5	Baital	108.34 312	ePP	PP	02 42 49.1	-0.3
BTL5	Baital	108.34 312	iP	Pdif	02 38 19.6	+0.8
BTL5	Baital	108.34 312	ePP	PP	02 42 49.0	-0.3
TEIG	Tejich	108.58 75	IAMS_20	IAMS_20	03 19 49.0	
S39A	Bolivar	108.77 56	IAMS_20	IAMS_20	03 20 15.2	
UALR	University of	108.87 59	IAMS_20	IAMS_20	03 22 44.1	
ACON	Acopyas	108.92 84	IAMS_20	IAMS_20	03 16 33.8	
WHAR	Woolly Hollow	109.03 59	IAMS_20	IAMS_20	03 20 31.4	
P38A	Dawn	109.04 54	IAMS_20	IAMS_20	03 20 56.2	
CCAR	Cane Creek	109.13 60	IAMS_20	IAMS_20	03 23 23.0	
HDC	Heredia	109.26 87	IAMS_20	IAMS_20	03 15 55.9	
FCAR	Ozark Folk Cen	109.30 58	IAMS_20	IAMS_20	03 19 58.4	
MGMO	Mountain Grove	109.47 57	IAMS_20	IAMS_20	03 22 22.7	
N38A	Joel South For	109.51 53	IAMS_20	IAMS_20	03 24 59.5	
ULM	Lac du Bonnet	109.52 43	IAMS_20	IAMS_20	03 24 22.1	
ULM	Lac du Bonnet	109.52 43	PKIKP	PKIKP	02 42 25.4	-1.6
ULM	Lac du Bonnet	109.52 43	PKKpbc	PKKpbc	02 53 30.9	-2.2
400A	Maddies Statio	109.71 56	IAMS_20	IAMS_20	03 21 34.2	
SCIA	State Center	109.75 52	IAMS_20	IAMS_20	03 26 04.6	
SCIA	State Center	109.75 52	P	PKIKP	02 42 28.7	+1.0
VBMS	Vicksburg	109.76 62	P	PKIKP	02 42 26.6	-1.4
LCAR	Lake Charles	110.11 58	IAMS_20	IAMS_20	03 20 44.8	
PO4A	Paris	110.14 54	IAMS_20	IAMS_20	03 22 44.3	
BRZ5	Berezni	110.20 317	ePdif	Pdif	02 38 28.4	+1.4
BRZ5	Berezni	110.20 317	ePKIKP	PKIKP	02 42 28.6	+0.3
BRZ5	Berezni	110.20 317	ePP	PP	02 43 03.1	+0.3
BRZ5	Berezni	110.20 317	iP	Pdif	02 38 28.3	+1.4
BRZ5	Berezni	110.20 317	e	P	02 42 28.5	
BRZ5	Berezni	110.20 317	i	P	02 43 03.0	
F36A	Milaca	110.28 48	IAMS_20	IAMS_20	03 22 35.6	
HBAR	Harrisburg	110.39 59	IAMS_20	IAMS_20	03 28 11.3	
346A	Big Creek Wild	110.44 63	IAMS_20	IAMS_20	03 21 44.8	
CCM	Cathedral Cave	110.45 56	IAMS_20	IAMS_20	03 21 36.8	
IUG	Iuzhny	110.62 308	ePP	PP	02 43 07.0	+0.9
SPMN	Marine on St	110.67 48	IAMS_20	IAMS_20	03 28 16.9	
SPMN	Marine on St	110.67 48	P	PKIKP	02 42 29.9	+0.6
MET	Memphis-Engin	110.88 59	IAMS_20	IAMS_20	03 19 33.3	
PULU	Pululahua	110.90 99	IAMS_20	IAMS_20	03 25 41.6	
Y45A	Yeager Farm, C	110.92 61	IAMS_20	IAMS_20	03 21 16.0	
GNAR	Gosnell	110.98 59	IAMS_20	IAMS_20	03 25 25.0	
146A	Union	111.05 62	IAMS_20	IAMS_20	03 24 43.1	
PEBM	Penicott Bayo	111.14 58	IAMS_20	IAMS_20	03 21 46.1	
OXF	Oxford	111.17 60	P	PKIKP	02 42 29.8	-0.8
N41A	Harden Midland	111.26 53	IAMS_20	IAMS_20	03 24 01.1	
PVMO	Portageville	111.33 58	IAMS_20	IAMS_20	03 22 02.1	

PARMO	Parma	111.33 58	IAMS_20	IAMS_20	03 22 13.3	
SLM	Saint Louis	111.34 56	IAMS_20	IAMS_20	03 22 54.4	
LNXT	Lenox	111.43 58	IAMS_20	IAMS_20	03 21 54.8	
HALT	Halls	111.51 59	IAMS_20	IAMS_20	03 25 15.0	
CGM3	Gage Girardeau	111.53 57	IAMS_20	IAMS_20	03 21 40.5	
GLAT	Glass	111.62 58	IAMS_20	IAMS_20	03 22 11.0	
HICK	Hickman	111.72 58	IAMS_20	IAMS_20	03 22 34.6	
E38A	The Farm, Brul	111.75 47	IAMS_20	IAMS_20	03 25 28.5	
FCC	Fort Churchill	111.77 34	IAMS_20	IAMS_20	03 36 44.7	
UTMT	University of	111.97 58	IAMS_20	IAMS_20	03 22 21.3	
EYMN	Ely	111.99 46	P	PKIKP	02 42 28.1	-3.6
BVAR	Borovoye Array	112.05 320	Pdf	Pdf	02 38 35.5	+0.3
BVAR	Borovoye Array	112.05 320	PKIKP	PKIKP	02 42 29.6	-2.1
BVAR	Borovoye Array	112.05 320	PKKpbc	PKKpbc	02 53 21.5	-3.4
P43A	Skaggs, Pawnee	112.08 55	IAMS_20	IAMS_20	03 29 24.7	
JFWS	Jewell Farm	112.09 51	P	PKIKP	02 42 27.6	-4.5
BRVK	Borovoye	112.12 320	PKIKP	PKIKP	02 42 30.9	-0.9
T45A	Paduch	112.28 58	IAMS_20	IAMS_20	03 21 51.1	
B44L	Meyer Farm, Va	112.33 56	IAMS_20	IAMS_20	03 23 53.5	
BRAL	Brewton	112.40 64	IAMS_20	IAMS_20	03 25 10.9	
LPAZ	La Paz	112.55 119	PKIKP	PKIKP	02 42 34.6	+0.1
LPAZ	La Paz	112.55 119	PKKpbc	PKKpbc	02 53 19.1	-4.0
LRAL	Lakeview River	112.83 62	P	PKIKP	02 42 33.5	-0.3
O44A	Mansfield	112.96 54	IAMS_20	IAMS_20	03 24 24.1	
250A	Grady	113.22 63	IAMS_20	IAMS_20	03 23 30.6	
COWI	Conover	113.34 48	IAMS_20	IAMS_20	03 24 58.4	
451A	Vernon	113.38 65	IAMS_20	IAMS_20	03 24 29.9	
M44A	Midewin, Midew	113.47 53	IAMS_20	IAMS_20	03 22 33.5	
V48A	Smith Brothers	113.49 59	IAMS_20	IAMS_20	03 22 51.4	
L44A	Lake County Fo	113.62 59	P	PKIKP	02 42 35.1	0.0
P46A	Rosedale	113.83 55	IAMS_20	IAMS_20	03 28 03.2	
F42A	Maple Grove Fa	113.99 48	IAMS_20	IAMS_20	03 24 30.9	
SOR	Soro	113.99 74	IAMS_20	IAMS_20	03 23 17.4	
SFIN	Lafayette	114.03 54	IAMS_20	IAMS_20	03 30 34.4	
352A	Blakely	114.24 64	IAMS_20	IAMS_20	03 23 36.7	
WCI	Wyandotte Cave	114.32 57	P	PKIKP	02 42 36.3	-0.2
553A	Crawfordville	114.41 66	IAMS_20	IAMS_20	03 26 41.1	
U49A	Red Boiling Sp	114.45 59	IAMS_20	IAMS_20	03 25 29.9	
CPUP	Villa Florida	114.56 134	PKP	PKIKP	02 42 34.5	-2.9
W50A	Signal Mount	114.61 60	IAMS_20	IAMS_20	03 23 39.1	
152A	Waverly	114.64 63	IAMS_20	IAMS_20	03 24 24.2	
GRHM	Grahamstown, E	114.81 214	IAMS_20	IAMS_20	03 28 14.8	
P48A	Milroy	115.17 55	IAMS_20	IAMS_20	03 23 44.7	
T50A	Nancy	115.28 58	IAMS_20	IAMS_20	03 25 24.7	
CPCT	Cooper Cave	115.29 60	IAMS_20	IAMS_20	03 24 22.0	
TIGA	Tifton	115.36 64	IAMS_20	IAMS_20	03 24 54.2	
VIGA	Tifton	115.36 64	P	PKPdf	02 42 36.7	-2.0
T15A	Loudon	115.48 60	IAMS_20	IAMS_20	03 25 47.1	
O48B	Farmland	115.49 55	IAMS_20	IAMS_20	03 30 53.6	
O48B	Farmland	115.49 55	P	PKPdf	02 42 37.5	-1.2
CAMR	Camarcia	115.52 74	IAMS_20	IAMS_20	03 21 46.9	
W52A	Murphy	115.71 60	IAMS_20	IAMS_20	03 24 25.2	
P49A	Miami Univ, Ec	115.73 55	IAMS_20	IAMS_20	03 24 11.4	
P49A	Miami Univ, Ec	115.73 55	P	PKPdf	02 42 38.5	-0.7
GOGA	Godfrey	115.81 62	IAMS_20	IAMS_20	03 23 37.0	
R50A	Paris	115.86 57	IAMS_20	IAMS_20	03 25 14.0	
TKL	Tuckaleeche C	115.92 60	IAMS_20	IAMS_20	03 26 09.8	
154A	Montrose	115.97 63	IAMS_20	IAMS_20	03 25 24.4	
J47A	Sumner	116.08 51	IAMS_20	IAMS_20	03 24 34.3	
V52A	Sevierville	116.09 60	IAMS_20	IAMS_20	03 26 04.3	
L48A	N Adams	116.23 53	IAMS_20	IAMS_20	03 27 07.4	
TZTN	Tazewell	116.23 59	IAMS_20	IAMS_20	03 28 07.0	
GLMI	Graying	116.37 50	IAMS_20	IAMS_20	03 26 14.6	
456A	Hilliard	116.55 66	IAMS_20	IAMS_20	03 27 00.8	
DWPF	Disney Wildern	116.56 68	IAMS_20	IAMS_20	03 31 12.3	
V53A	Saluda	116.70 60	IAMS_20	IAMS_20	03 25 27.4	
AAM	Ann Arbor	116.84 53	IAMS_20	IAMS_20	03 27 26.2	
PS1A	Williamsport	116.99 56	IAMS_20	IAMS_20	03 24 50.9	
M50A	Fremont	117.21 54	IAMS_20	IAMS_20	03 25 22.4	
060A	Indian	117.28 70	IAMS_20	IAMS_20	03 26 32.4	
Q52A	Bidwell	117.55 56	IAMS_20	IAMS_20	03 24 45.6	
257A	Skidaway Island	117.60 64	IAMS_20	IAMS_20	03 28 47.6	
U54A	Nelsons Funny	117.61 59	IAMS_20	IAMS_20	03 27 02.4	
K50A	Casco	117.64 52	IAMS_20	IAMS_20	03 27 59.7	
N51A	Ashland	117.66 54	IAMS_20	IAMS_20	03 29 38.5	
P52A	Corning	117.72 56	IAMS_20	IAMS_20	03 25 23.2	
SVE	Sverdlovsk	117.81 324	PKIKP	PKIKP	02 42 43.0	+0.4
SVE	Sverdlovsk	117.81 324	PKIKP	PKIKP	02 42 43.0	+0.4
SUR	Sutherland	118.30 210	IAMS_20	IAMS_20	03 28 40.9	
ABKAR	Abkular array	118.37 315	PKPdf	PKPdf	02 42 40.8	-3.1
M52A	Chesterland	118.48 54	IAMS_20	IAMS_20	03 31 28.1	
UOSS	Mazinif	118.71 287	PKPdf	PKPdf	02 42 43.3	-2.0
N53A	Lisbon	118.81 54	IAMS_20	IAMS_20	03 28 04.0	
ARU	Arti	118.98 323	PKPdf	PKPdf	02 42 42.4	-2.5
ARU	Arti	118.98 323	PKIKP	PKIKP	02 42 42.7	-2.2

1d 2h

VASO1	Vassouras-RJ	126.14	142	eP	PKIKP	02 43 01.6	+1.4
BSCB	Bom Sucesso	126.36	140	eP	PKIKP	02 43 01.6	+0.9
APA	Apapity	126.36	341	i/PKIKP	PKIKP	02 43 00.7	+1.5
APA				i		02 44 55.0	
APA				i		02 54 50.0	
comp=Z,35nm,1.0s					pmax		
LKRN	Lenkeran, Azer	126.44	303	PKIKP	PKIKP	02 43 01.0	+0.8
KIBK	Kibwezi	126.47	250	PKP	PKP	02 42 59.6	-1.1
KIBK	Kibwezi	126.47	250	P	P	02 44 54.1	-2.0
ILULI	Ilulisat	126.58	17	i	PKIKP	02 42 59.2	+0.3
ILULI				IAMS_20	IAMS_20	03 28 50.7	
F62A	Pittston Farm,	126.67	48	IAMS_20	IAMS_20	03 34 05.3	
SUMG	Summit	126.70	10	PKP	PKP	02 42 57.8	-2.0
SUMG	Summit	126.70	10	i/P	PKP	02 42 59.0	+0.8
SUMG	Summit	126.70	10	IAMS_20	IAMS_20	03 24 18.2	
comp=Z,6.0m,21.0s							
SUMG	Summit	126.70	10	PP	PP	02 44 59.2	+2.7
SUMG	Summit	126.70	10	PKIKP	PKP	02 42 57.8	-2.0
SUMG	Summit	126.70	10	i/P	PKP	02 42 59.0	+0.8
comp=Z,18.0m,40.5s							
HAMF	Hammerfest	126.87	346	ePKP	PKP	02 42 59.1	+0.5
HAMF				ePKP	PKP	02 44 58.4	+1.3
HAMF				ePKP	PKP	02 55 01.5	+0.1
HAMF				eSS	SS	03 02 09.8	+6.8
HAMF				eSS	SS	03 30 36.2	
comp=Z,2.0m,24.7s							
LSZ	Lusaka	126.88	230	PKP	PKP	02 42 59.2	-2.2
LSZ	Lusaka	126.88	230	PKP	PKP	02 42 59.2	-2.2
SCHO	Schefferville	126.94	37	PKP	PKP	02 43 00.7	+0.1
comp=Z,15nm,1.0s,baz=256,slow=4.3,SNR=4.1							
DBG	Daneborg	127.02	3	i/P	PKIKP	02 43 02.3	+2.0
DBG				IAMS_20	IAMS_20	03 29 33.8	
comp=Z,14.0m,25.2s							
D62A	Allapoint, Ali	127.15	47	PKP	PKP	02 42 58.9	-1.9
PMNB	Patos De Minas	127.16	136	PKP	PKP	02 43 03.9	+1.5
MAK	Makhachkala	127.23	308	ePKP	PKP	02 39 36.9	-5.9
MAK				ePKP	PKP	02 47 39.6	
MAK				ePKP	PKP	02 56 01.0	
MAK				eSS	SS	02 54 59.5	-6.4
MAK				eSS	SS	02 54 59.1	-0.7
ARAO	ARCESS Array S	127.26	345	ePKP	PKP	02 43 00.3	-0.2
ARAO				ePKP	PKP	02 44 59.1	-0.7
ARAO				ePKP	PKP	02 54 37.2	
ARAO				eSS	SS	03 02 13.2	+5.2
ARAO				eSS	SS	03 26 42.4	
comp=Z,2.0m,16.9s							
ARCES	ARCESS Array B	127.26	345	PKP	PKP	02 42 57.3	-3.1
KLMR	Klimovskoe	127.48	332	ePKP	PKP	02 43 15.9	-1.6
KLMR				ePKP	PKP	02 42 57.1	-1.6
comp=Z,1.155nm,1.4s							
KLMR				PP	PP	02 44 52.5	-9.0
KLMR				LQ	LQ	03 21 42.9	
KLMR				LQ	LQ	03 30 09.0	
KLMR				LQ	LQ	03 39 37.1	
comp=Z,7.0m,19.4s							
KLMR	Klimovskoe	127.48	332	ePKIKP	PKP	02 42 59.4	-1.6
KLMR				ePKIKP	PKP	02 42 59.4	-1.6
comp=Z,155nm,1.4s							
KLMR				MLR	MLR		
comp=Z,7.0m,19.0s							
SEKA	Sheki	127.58	306	PKIKP	PKIKP	02 43 03.4	+0.9
ATD	Arta Tunnel	127.62	268	eP	PKIKP	02 43 06.8	+3.5
ATD	Arta Tunnel	127.62	268	eP	PKIKP	02 43 06.8	+3.5
comp=Z,275							
MNGR	Mingechevir, A	127.69	305	PKIKP	PKIKP	02 43 03.3	+0.7
KMBO	Kilima Mbogo	127.74	251	PKP	PKP	02 43 01.5	-1.8
KMBO	Kilima Mbogo	127.74	251	PKP	PKP	02 43 07.7	+3.8
KMBO	Kilima Mbogo	127.74	251	PKP	PKP	02 43 01.5	-1.8
KMBO				MLR	MLR		
comp=Z,12.0m,19.0s							
KMBO	Kilima Mbogo	127.74	251	eP	PKIKP	02 43 07.7	+3.8
comp=Z,24.7							
ZKTA	Zakatala	127.98	307	PKIKP	PKIKP	02 43 03.9	+0.7
BDFB	Brasilia	128.19	132	IAMS_20	IAMS_20	03 44 18.3	
comp=Z,7.0m,18.0s							
BDFB	Brasilia	128.19	132	PKP	PKP	02 43 01.9	-2.1
comp=Z,24nm,0.7s,baz=288,slow=2.6,SNR=16.1							
MFJD	Kangerlussuaq	128.19	19	i/P	PKIKP	02 43 02.3	+0.5
SFUD				IAMS_20	IAMS_20	03 31 30.8	
comp=Z,1.0m,22.9s							
KTK1	Kautokoino	128.20	345	ePKP	PKP	02 43 02.3	+0.1
KTK1				ePKP	PKP	02 45 08.5	+0.5
KTK1				eSS	SS	03 02 20.8	+1.3
KTK1				eSS	SS	03 29 59.1	
comp=Z,1.0m,15.1s							
BOAV	Boa Vista	128.26	105	eP	PKIKP	02 43 07.8	+3.1
BOAV	Boa Vista	128.26	105	eP	PKIKP	02 43 07.8	+3.1
SJG	San Juan	128.28	84	eP	PKIKP	02 43 04.9	+0.5
GANJ	Ganja	128.27	305	PKIKP	PKIKP	02 43 05.2	+1.3
JETT	Jettan, Norway	128.43	346	ePKP	PKP	02 43 02.4	-0.3
JETT				ePKP	PKP	02 45 04.6	-2.9
GROC	Groznyy	128.46	309	i/PKIKP	PKP	02 43 02.8	-0.7
GROC				e		02 45 10.5	
GROC				e		02 50 13.8	
comp=Z,7.2nm,1.2s							
TRO	Tromso	128.68	347	ePKP	PKP	02 43 07.4	+1.0
TRO				ePKP	PKP	02 45 08.5	+0.5
TRO				SS	SS	03 02 25.8	+0.5
TRO				IAMS_20	IAMS_20	03 33 55.6	
comp=Z,2.0m,4.2s							
NAX	Nakhchivan	128.99	303	PKIKP	PKIKP	02 43 06.3	+0.9
DJAM	Diamantina, MG	129.08	139	eP	PKIKP	02 43 06.8	+0.4
ITTB	Itaituba	129.19	115	eP	PKIKP	02 43 07.3	+0.9
ICESG	Greenland Ices	129.40	13	i/P	PKP	02 43 03.7	-1.3
ICESG				IAMS_20	IAMS_20	03 27 25.7	
comp=Z,19.0m,30.0s							
GNI	Garni	129.51	305	PKP	PKP	02 43 04.4	-1.4
GNI				ePKP	PKP	02 43 04.4	-1.4
VRH	Novokhoporsky	129.70	319	ePKIKP	PKP	02 43 04.6	-0.9
VRH				ePKIKP	PKP	02 45 16.2	
comp=Z,30nm,1.0s							
VRH				pmax	pmax		
comp=Z,4.0m,23.0s							
DY2G	Dye2	129.81	18	i/P	PKIKP	02 43 05.9	-0.5
DY2G				IAMS_20	IAMS_20	03 31 37.8	
comp=Z,18.0m,24.4s							
ZEI	Tsey	129.88	308	ePKIKP	PKP	02 43 12.2	+4.9
ZEI				ePKIKP	PKP	02 43 12.2	+4.9
comp=Z,17nm,1.1s							
NCK	Naichik	130.02	309	ePKIKP	PKP	02 43 05.9	-0.6
GOF	Goftskoye	130.17	311	ePKIKP	PKP	02 43 08.8	+1.3
RIB01	Linhars ES	130.22	143	eP	PKIKP	02 43 09.3	+0.9
SJMB	Sao Joao De Ma	130.25	141	eP	PKIKP	02 43 09.6	+1.1
KBZ	Khabaz	130.49	310	ePKIKP	PKP	02 43 05.3	-2.0
KBZ	Khabaz	130.49	310	PKP	PKP	02 43 09.2	+1.1
comp=Z,4.7nm,0.9s,baz=92,slow=3.3,SNR=5.0							
MOS	Moscow	130.50	326	ePKIKP	PKP	02 43 06.3	-0.6
MOS				eSS	SS	02 45 21.4	
MOS				eSS	SS	03 02 50.4	+1.6
MOS				eSS	SS	03 07 35.7	
comp=Z,9.7nm,1.4s							
JMIC	Jan Mayen	130.57	359	ePKP	PKP	02 43 06.3	-0.3
JMIC				ePKP	PKP	02 45 22.2	+1.0
TRN	Trinidad (W)	130.59	94	eP	PKIKP	02 43 11.0	+1.8
KIV	Kislovodsk	130.60	310	i/PKIKP	PKP	02 43 07.4	-0.3
KIV				eP	PKIKP	02 45 29.5	-6.0
KIV				eSS	SS	03 02 49.1	-2.2
KIV				eSS	SS	03 02 49.1	-2.2
comp=Z,19nm,1.1s							
FURI	Furi	130.61	263	IAMS_20	IAMS_20	03 36 17.5	
JMI	Jan Mayen	130.63	359	ePKP	PKP	02 43 07.0	-0.6
JMI				ePKP	PKP	02 45 25.5	+3.9
SCO	Scoresbysund	130.67	5	IAMS_20	IAMS_20	03 36 53.6	
comp=Z,6.0m,22.0s							
GRGR	Greenville	130.83	92	eP	PKP	02 43 06.0	-2.8
STEI	Steigen	130.85	347	ePKP	PKP	02 43 07.5	-0.6
STEI				ePKP	PKP	02 45 25.2	+2.1
STEI				ePKP	PKP	02 46 42.7	+0.6
STEI				eP	PKP	02 45 35.0	+2.2
STEI				eSS	SS	03 03 53.1	+1.1
STEI				IAMS_20	IAMS_20	03 28 40.9	
comp=Z,3.0m,4.0s							
GRHS	Sauteurs	130.87	92	eP	PKP	02 43 02.4	-6.4
LPSR	Galic'ya Gora	130.93	322	ePKIKP	PKP	02 43 07.2	-0.6

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LPSR				e		02 45 27.6	
LPSR				pmax	pmax		
comp=Z,40nm,0.9s							
LOF	Lofoten	131.02	348	ePKP	PKP	02 43 06.1	-1.4
LOF				ePKP	PKP	02 45 22.9	-1.3
LOF				eP	PKP	02 55 37.2	-0.4
LOF				eSS	SS	03 02 55.4	+1.3
LOF				eSS	SS	03 29 50.0	
comp=Z,2.0m,23.0s							
VORR	Voronezh	131.06	321	ePKIKP	PKP		

Table with columns for location, date, and various codes. Includes entries like BURAR Bucovina Array, BEL Beisk, OVD Ostervraa, BSD Bornholm Skovb, etc.

Table with columns for location, date, and various codes. Includes entries like DPC Dobruska-Polom, DPC Dobruska-Polom, DPC Dobruska-Polom, etc.

Table with columns for location, date, and various codes. Includes entries like HSKC Hora Svate Kat, TREC TREC, TREC TREC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like USRK, KLR, SONM, NVAR, ILAR, ARCES, EKA, GERES, DAVOX, ESCD, TORD.

IDC 01 02:30:45.73.0.21.80Sx169.03E, h0km, mb4.2/4, mbmp4.2/5, ML3.7/1, Error ellipse: s-maj=143.2km s-min=25.8km az=161.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, ASAR, WRA, SONM, NVAR, EKA, GERES.

IDC 01 02:32:04.73.7.21.48Sx168.69E, h0km, mb4.0/3, mbmp4.0/3, Error ellipse: s-maj=206.4km s-min=35.7km az=158.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR, WRA, TROLL, SNA, VNA3, VNA2, NVAR, EKA, GERES.

IDC 01 02:32:38.2.0.9.21.71Sx168.96E, h0km, mb4.2/9, mbmp4.2/9, Error ellipse: s-maj=33.6km s-min=29.1km az=92.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, ASAR, WRA, MJAR, GSPA, USRK, CMAR, TROLL, SNA, VNA3, VNA2, VNA1, SONM, NVAR, ARCES, MAUC, DPC, UPC, PVCC, BRG, CLL, GOPC, PRU, ZVC, EKA, RONA, NK, CONA, CKRC, KHC, GERES, SOKA, SOBO, OBKA, KBA.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BOJS, LBU, LKSA, MYSA, CEY, ABTA, WTAA, SOTA, FETA, DAVA, FUORI, DAVOX, TUE, MURB, SENIN, BNI.

IDC 01 02:32:47.0.7.21.88Sx168.57E, h0km, mb4.5/16, mbmp4.5/17, ML5.6/1, Error ellipse: s-maj=20.0km s-min=18.1km az=104.0

NEIC 01 02:32:49.6.2.6.21.78Sx0.08x168.87E, h0km, mb4.0/3, mbmp4.8/22, Error ellipse: s-maj=13.8km s-min=8.8km az=97.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MARNC, PINNC, LIFLC, DZM, DZM, KOUNC, MSVF, ARMA, RTZ, THZ, CTA, CTAO, PMG, PMG, TOO, COEN, STKA, BBOO, WRO, AS31, ASAR, WBO, WRA, FORT, PSAO, MBWA, TOLLI, VNA2, SBA, CASY, MJAR, GSPA, KSR, USRK, PETK, MAW, KLR, CMAR, BELA, TROLL, SNA, SNA, VNA3, VNA2, VNA1, SONM, NVAR, H03S2, H03S1, H03S3, ARCES, BURAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JAVC, VRAC, BRG, BRG, CLL, CLL, KRUC, GOPC, PRU, EKA, CKRC, KHC, GERES, GERES, LJU, DAVOX.

IDC 01 02:34:23.3.4.20.71Sx167.57E, h0km, mb3.9/3, mbmp3.9/3, Error ellipse: s-maj=194.4km s-min=35.6km az=158.0, Loyalty Islands

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

IDC 01 02:34:50.3.2.21.73Sx168.89E, h0km, mb4.1/6, mbmp4.1/7, ML4.2/1, Error ellipse: s-maj=94.3km s-min=23.3km az=159.0

IDC 01 02:34:54.0.9.21.7Cx0.2x168.9E, h0km, mb4.0/1, mbmp4.0/1, Error ellipse: s-maj=13.8km s-min=8.8km az=97.0, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, ASAR, WRA, USRK, TROLL, SNA, VNA3, VNA2, NVAR, ILAR, EKA, GERES, DAVOX.

IDC 01 02:37:10.7.2.20.90Sx168.50E, h0km, mb3.9/3, mbmp3.9/4, ML3.9/1, Error ellipse: s-maj=121.6km s-min=25.0km az=148.0

IDC 01 02:37:09.9.2.21.51Sx168.7E, h0km, mb3.9/4, mbmp3.9/4, Error ellipse: s-maj=121.6km s-min=25.0km az=148.0, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, ASAR, TROLL, VNA3, NVAR, EKA, GERES.

IDC 01 02:40:50.6.3.0.23.07Sx175.01W, h0km, mb4.3/3, mbmp4.4/4, ML5.4/1, Error ellipse: s-maj=67.6km s-min=53.5km az=147.0, Tonga Islands region

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

IDC 01 02:42:33.1.1.8.21.20Sx168.63E, h0km, mb3.9/4, mbmp3.9/5, ML3.9/1, Error ellipse: s-maj=79.8km s-min=23.4km az=149.0

IDC 01 02:42:34.4.1.7.21.1Sx0.6x168.6E, h0km, mb3.9/4, mbmp3.9/4, Error ellipse: s-maj=79.8km s-min=23.4km az=149.0, Loyalty Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries like BBOO Buckleboo, WRO Warramunga Arr, WBA Warramunga Arr, etc.

Table with columns: CIMO, WLF, UBR, FETA, BFO, DAVA, FUORN, TUE, FDMO, NRCA, CAMP, MURB. Includes entries like Cimolais, Waferdange, Ueberhorn, Feichten, etc.

NNC 01 02:58:57.7, 7.8, 36.71N; 70.25E, h174km±101km, mb2.8, mpv3.0, Error ellipse: s-maj=66.9km s-min=47.8km

ISC 01 02:58:58.6, 3.0, 36.77N; 70.27E, 0.1, h204km, n10, i126.5, 7C-3D, Hinu Ku region

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

ISC 01 02:59:29.7, 3.6, 50.5S; 128.94E, h0km, mb3.8/1, mbtmp4.0/3, ML3.1/2, Error ellipse: s-maj=160.3km

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

ISC 01 03:00:39.0, 5.0, 21.775S; 169.02E, h0km, mb4.0/9, mbtmp3.9/10, ML3.3/1, Error ellipse: s-maj=28.1km

NEIC 01 03:00:42.8, 1.4, 21.777S; 0.06:168.80E; 0.04, h10km±1km, mb4.5/12, Error ellipse: s-maj=10.9km s-min=6.2km az=18.0

ISC 01 03:00:42.0, 0.5, 21.725S; 0.07:168.85E; 0.05, h10km, n41, i1930/44, mb4.3/16, 3C-2D, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries like MARNC Mare, Loyalty, MARNC Mare, Loyalty, etc.

ASAR Alice Springs 32.25 260 P P 03 07 10.7 -0.2

WBR Warramunga Arr 32.25 267 P Iamb Iamb 03 07 09.7 -1.2

WRA Warramunga Arr 32.26 267 P P 03 07 10.0 -1.0

FORT Forrest 37.51 247 P P 03 07 57.0 +0.9

MBWA Marble Bar 45.69 261 P Iamb Iamb 03 09 02.1 -0.3

NWA0 Narooin (SRO) 46.79 245 P P 03 09 11.8 -0.1

VNDA Vanda 55.95 182 P P 03 10 20.1 +0.3

CASY Casey 57.71 204 P Iamb Iamb 03 10 32.1 -0.5

JNU Nakatsue 65.48 325 P P 03 11 25.7 +0.3

QSPA South Pole Qui 68.34 180 P P 03 11 43.2 -0.1

TROLL Troll, Antarti 86.04 184 P P 03 13 21.6 -1.0

SNAA Sanae 86.67 183 P P 03 13 24.4 -1.2

SNAA Sanae 86.67 183 P P 03 13 24.3 -1.4

Table with columns: CLL, CLC, ZVC, ZVZ, EKA, CKRC, KHC, KHC, GERES. Includes entries like Collm, Zvikov, Eskdalemuir Ar, Cesky Krumlov, Kasperske Hory, etc.

ISC 01 03:04:26.6, 1.2, 21.161S; 168.86E, h0km, mb3.9/6, mbtmp4.0/7, ML4.0/1, Error ellipse: s-maj=33.8km

NEIC 01 03:04:28.4, 1.5, 21.525S; 0.09:168.83E; 0.04, h16km±1km, mb4.5/10, Error ellipse: s-maj=12.7km s-min=5.5km az=18.0

ISC 01 03:04:27.9, 0.7, 21.555S; 0.09:168.82E; 0.07, h10km, n45, i086/46, mb4.5/10, 3C, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries like MARNC Mare, Loyalty, MARNC Mare, Loyalty, etc.

VNDA Vanda 56.12 182 P P 03 14 07.4 +0.3

QSPA South Pole Qui 68.52 180 P P 03 15 30.7 +0.2

BELA Belgrano 2 79.84 175 P Iamb Iamb 03 16 35.9 -0.3

SNAA Sanae 86.85 183 P Iamb Iamb 03 17 12.4 -0.1

SNAA Sanae 86.85 183 P P 03 17 11.9 -0.6

VNA3 Neumayer Olymp 87.45 180 P P 03 17 14.7 -0.6

NRAR Neumayer-Stat 87.93 181 P P 03 17 30.7 -0.3

CLVC Panska Ves 144.71 331 P PKPbf PKPbf 03 24 05.8 +0.8

PRU Pruhonice 145.11 331 P PKPbf PKPbf 03 24 07.8 +0.2

ZVON Rosalia, Austr 145.81 326 P PKPbf PKPbf 03 24 09.2 +1.4

CONA Conrad Observa 145.88 327 P PKPbf PKPbf 03 24 09.5 +1.4

CKRC Cesky Krumlov 146.04 329 P PKPbf PKPbf 03 24 09.4 +0.8

KHC Kasperske Hory 146.16 330 P PKPbf PKPbf 03 24 09.2 +0.2

MOA Molin 146.73 328 P PKPbf PKPbf 03 24 11.9 +0.1

SOKA Sobot 147.13 326 P PKPbf PKPbf 03 24 12.0 +0.7

LESA Schwarzloetzl 147.80 329 P PKPbf PKPbf 03 24 14.0 +0.8

MYKA Terra Mystica 147.88 327 P PKPbf PKPbf 03 24 13.9 +0.5

MOTA Moosalm 148.60 330 P PKPbf PKPbf 03 24 16.2 +0.8

SQTA Sankt Quirin 148.64 330 P PKPbf PKPbf 03 24 16.4 +1.0

RETA Reutte 148.65 331 P PKPbf PKPbf 03 24 16.0 +0.6

FETA Feichten 149.01 330 P PKPbf PKPbf 03 24 17.5 +1.1

DAVA Darnum 149.31 331 P PKPbf PKPbf 03 24 18.1 0.0

ISC 01 03:08:05.8, 0.6, 21.735S; 169.03E, h0km, mb4.4/15, mbtmp4.4/16, ML4.1/1, Error ellipse: s-maj=19.2km

NOU 01 03:08:05.1, 2.1, 82S; 169.20E, h0km, MLV4.9/7, Southeast of Loyalty Islands

NEIC 01 03:08:08.4, 1.9, 21.895S; 0.05:168.83E; 0.05, h10km±1km, mb4.9/49, Error ellipse: s-maj=9.1km s-min=6.8km az=36.0

BGR 01 03:08:08.5, 22.25S; 170.26E, h28km

ISC 01 03:08:08.0, 0.4, 21.835S; 0.05:168.86E; 0.05, h10km, h10km:pp-P, n162, i1930/172, mb4.8/40, 6D, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries like MARNC Mare, Loyalty, MARNC Mare, Loyalty, etc.

1d 3h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MRZ Mangatoinaka, THZ Tophouse, CTA Charters Tower, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MAUC Maruska, DVC Dobruska-Polom, JAP Velika Javorina, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like DAVA Danuels, TORD Torodi Arr, TORD Torodi Arr, etc.

PINNC	Pines Island,	1.56 229	Pn	04 13 47.7 -1.0
PINNC	Pines Island,	1.56 229	P	04 13 47.8 -1.0
LIFNC	LIFOU	1.61 300	Pn	04 13 47.9 -1.5
LIFNC			Pn	04 14 07.4 -2.2
YATNC	Mamie plateau,	1.76 254	P	04 13 50.2 -1.5
OUENC	Ouen Island,	1.93 245	P	04 13 53.5 -0.3
OUENC	Ouen Island, N	1.93 245	P	04 13 53.9 0.0
DZM	Mont Dzumac	2.17 257	Pn	04 13 56.9 -0.4
DZM	Mont Dzumac	2.17 257	P	04 13 58.4 +1.1
DZM	Mont Dzumac	2.17 257	Pn	04 13 58.1 +0.8
DZM	142m,0.3s,baz=87,slow=16,SNR=58		Sb	04 14 26.0 -1.5
DZM	705nm,0.3s,baz=191,slow=22,SNR=16		LR	04 14 34.5
DZM	comp=Z,1um,2.1s,baz=154,slow=33		LR	
ONTNC	Ouen Toro	2.22 251	Pn	04 13 57.9 0.0
ONTNC	Ouen Toro	2.22 251	P	04 13 58.5 +0.5
NOUC	Port Laguerre	2.30 257	P	04 14 00.1 +1.0
RTV	Rentapago	3.79 356	P	04 14 18.9 -0.7
DVP	Devils Point	3.88 352	P	04 14 19.1 -1.7
KOUNC	Koumac, New Ca	4.27 283	Pn	04 14 26.6 +0.4
KOUNC	Koumac, New Ca	4.27 283	P	04 14 27.1 +0.9
NFK	Norfolk Island	7.45 185	P	04 15 12.0 +2.2
MSVF	Nonsavu	9.59 68	Pn	04 15 39.5 +0.2
MSVF	Nonsavu	9.59 68	P	04 15 43.5 +4.2
MSVF	Nonsavu	9.59 68	Pn	04 15 40.7 +1.4
MSVF	0.5nm,0.3s,baz=233,slow=7.6,SNR=11		LR	04 15 54.4
MSVF	comp=Z,2um,19.4s,baz=229,slow=35		LR	
EIDS	Eidsvold	16.61 254	P	04 17 13.7 -0.4
EIDS	Eidsvold	16.61 254	P	04 17 15.7 -0.7
EIDS	Eidsvold	16.61 254	P	04 17 14.3 +0.3
TOZ	Tahuroa Road	17.12 161	P	04 17 11.2 -1.2
HIZ	Haiti	17.67 164	P	04 17 25.8 -1.3
ARMA	Armidale	17.68 237	P	04 17 29.5 +1.2
ARMA	Armidale	17.68 237	Pn	04 17 25.9 -1.6
RTZ	Ruatangha	18.39 159	P	04 17 33.3 -2.4
BRKZ	Black Stump Fm	18.74 161	P	04 17 38.5 -1.3
MKZ	Mangatainoka R	18.95 165	P	04 17 51.3 -0.9
MRNZ	Matariki Terra	20.04 171	P	04 17 52.7 -1.2
CTA	Charters Tower	21.05 270	P	04 18 07.8 +2.7
CTA	Charters Tower	21.05 270	P	04 18 05.4 +0.2
CTA	Charters Tower	21.05 270	P	04 18 05.4 +0.2
CTA	comp=Z,31nm,1.1s		Pmax	
RPZ	Rata Peaks	22.14 176	P	04 18 14.5 -2.2
RPZ			IAMB	04 18 27.1
CMSA	Cobar Meteorol	22.82 239	P	04 18 25.9 +2.0
CMSA	Cobar Meteorol	22.82 239	P	04 18 25.8 +1.8
QLP	Quilpie	22.89 253	P	04 18 25.5 +0.7
MTSU	Mount Surprise	23.20 274	P	04 18 28.6 +0.5
KRVT	Keravat (AS076	23.62 314	P	04 18 32.8 +0.7
KRVT	comp=Z,312nm,1.1s,baz=328,slow=0.8,SNR=10		P	
PMG	Port Moresby	24.02 297	P	04 18 37.0 +1.1
PMG	Port Moresby	24.02 297	P	04 18 36.5 +0.5
PMG	comp=Z,12nm,0.7s,baz=141,slow=12,SNR=4.4		P	
PMG	comp=Z,12nm,0.7s		P	
COEN	Coen	25.46 283	P	04 18 49.6 +0.5
COEN			IAMB	04 18 53.4
COEN	comp=Z,22nm,0.9s		P	
COEN	Coen	25.46 283	P	04 18 51.3 +2.2
TOO	Toolangi	25.62 226	P	04 18 50.4 -0.1
TOO	Toolangi	25.62 226	P	04 18 50.4 -0.1
TOO			Pmax	
TOO			Pmax	
GLAD	Gladstone	26.09 218	P	04 18 53.2 -1.4
STKA	Stephens Creek	26.24 241	P	04 18 57.9 +1.8
STKA	Stephens Creek	26.24 241	P	04 18 57.1 +1.0
STKA	comp=Z,6.8nm,0.8s,baz=79,slow=13,SNR=8.3		P	
OOD	Oodnadatta	30.58 252	P	04 19 37.2 +2.4
BBOO	Buckleboo	31.01 242	P	04 19 40.6 +2.0
WR0	Warramunga Arr	31.96 267	P	04 19 46.1 -1.1
WR0			IAMB	04 19 54.5
WB0	Warramunga Arr	32.13 267	P	04 19 47.4 -1.2
WB0			IAMB	04 19 49.0
WB2	Warramunga Arr	32.14 267	P	04 19 47.4 -1.3
WB2			IAMB	04 19 58.6
WRAB	Tennant Creek	32.15 267	P	04 19 48.9 +0.2
WRAB	Tennant Creek	32.15 267	P	04 19 48.5 -0.2
WRAB			Pmax	
WRAB			Pmax	
WRA	Warramunga Arr	32.16 267	P	04 19 47.4 -1.4
WRA	Warramunga Arr	32.16 267	P	04 19 47.4 -1.4
WRA	Warramunga Arr	32.16 267	P	04 19 48.2 -0.6
AS31	Alice Springs	32.16 260	P	04 19 47.9 -1.0
ASAR	Alice Springs	32.16 260	P	04 19 47.0 -1.8
ASAR	Alice Springs	32.16 260	P	04 19 48.9 +0.1
ASAR	comp=Z,0.2nm,0.3s,baz=82,slow=9.0,SNR=38		P	
ASAR	comp=Z,1.1nm,1.0s		P	
MULC	Mulgathing	32.25 247	P	04 19 50.2 +0.7
MTN	Manton Dam	36.87 277	P	04 20 29.9 +0.3
MTN	Manton Dam	36.87 277	P	04 20 29.0 -0.6
MTN			IAMB	04 20 30.5
WRKA	Warakurna	37.19 257	P	04 20 32.9 +0.6
KNRA	Kununurra	38.24 272	P	04 20 40.8 -0.5
KNRA			IAMB	04 20 42.1
MBWA	Marble Bar	45.47 261	P	04 21 40.4 0.0
KLBR	Kellerberrin	46.30 246	P	04 21 46.8 +0.1
KAPI	Kappang	50.18 282	P	04 22 17.0 +0.1
KAPI	Kappang	50.18 282	P	04 22 18.0 +1.1
KAPI			Pmax	
TOL12	Toiltoil	51.96 290	P	04 22 29.9 -0.4
VNDA	Vanda	56.07 182	P	04 22 59.3 -0.1
VNDA	Vanda	56.07 182	P	04 22 59.3 -0.1
VNDA			Pmax	
VNDA			Pmax	
SBA	Scott Base	56.31 181	P	04 22 59.9 -1.2
SBA	Scott Base	56.31 181	P	04 22 59.9 -1.2
SBA			Pmax	
SBA			Pmax	
MJAR	Matsushiro Arr	64.61 333	P	04 23 58.7 +0.4
MJAR	comp=Z,7.1nm,1.0s,baz=165,slow=6.2,SNR=7.9		P	
MAJO	Matsushiro	64.61 333	P	04 23 58.2 -0.1
MAJO			Pmax	
MYKOM	Kota Tinggi	67.44 282	P	04 24 16.4 -0.7
GSPA	South Pole Qui	68.47 180	P	04 24 23.0 +0.1
GSPA	South Pole Qui	68.47 180	P	04 24 22.9 +0.1
ASAJ	Asahikawa	69.44 340	P	04 24 32.1 +2.1
ASAJ	comp=Z,2.9nm,1.0s,baz=252,slow=14,SNR=7.4		P	
ASAJ	comp=Z,7.4nm,0.9s,baz=12,slow=3.0,SNR=15		P	
ASAJ	comp=Z,7.4nm,0.9s		P	
KSRS	Korea Array	70.18 326	P	04 24 34.8 +1.3
KSRS	comp=Z,1.9nm,0.7s,baz=142,slow=6.3,SNR=4.9		P	
NJ2	Nanjing	71.57 317	P	04 24 44.1 +2.0
NJ2			P	04 24 47.4 -0.4
NJ2			P	04 24 50.0 +0.1
NJ2			Pmax	
NJ2			Pmax	
NJ2	comp=Z,9.0nm,0.6s		Pmax	
YSS	Yuzh-Sakhalins	72.15 342	P	04 24 47.5 +2.3

YSS		eS	S	04 34 02.4 -4.0
YSS		Pmax	Pmax	
USA0B	Ussuriysk Arra	73.61 333	P	04 24 53.8 -0.2
USA0B	Ussuriysk Arra	73.61 333	P	04 24 53.8 -0.2
USA0B	comp=Z,43nm,1.0s		Pmax	
USRK	Ussuriysk Ar.	73.61 333	P	04 24 54.2 +0.2
USRK	Ussuriysk Ar.	73.61 333	P	04 24 54.9 +1.0
USRK	comp=Z,13nm,1.0s,baz=156,slow=5.6,SNR=14		P	
MDJ	Mudanjiang	74.96 332	P	04 25 02.6 +0.7
MDJ			Pmax	
MDJ	comp=Z,17nm,1.1s		Pmax	
TYV	Tymovskoe	75.72 343	eP	04 25 07.0 +1.0
TYV			Pmax	
TYV	comp=Z,22nm,1.2s		Pmax	
TYV	comp=Z,300nm,3.0s		Pmax	
MAW	Mawson	76.08 202	P	04 25 08.6 +0.6
MAW	Mawson	76.08 202	P	04 25 08.6 +0.6
MAW	comp=Z,5.0nm,1.2s		Pmax	
MAW	Mawson	76.08 202	P	04 25 09.4 +1.3
MAW	comp=Z,6.0nm,0.9s,baz=119,slow=5.5,SNR=9.0		P	
MAW	comp=Z,6.0nm,0.9s		P	
KLR	Kul'dur	77.81 336	dP	04 25 19.3 +1.4
KLR			Pmax	
KLR	comp=Z,28nm,1.5s		P	
KLR	Kul'dur	77.81 336	P	04 25 19.5 +1.6
KLR	comp=Z,33nm,1.0s,baz=154,slow=3.3,SNR=12		P	
CRAI	Chiangrai	78.66 297	P	04 25 22.5 -0.8
CRAI			IAMB	04 25 33.0
CMAR	Chiang Mai Arr	79.04 295	P	04 25 24.5 -1.0
CMAR	Chiang Mai Arr	79.04 295	P	04 25 27.3 +1.9
CMAR	comp=Z,5.0nm,0.7s		Pmax	
CMAR	Chiang Mai Arr	79.04 295	P	04 25 27.4 +1.9
CMAR	comp=Z,5.6nm,0.8s		P	
KMI	Kunming	79.11 303	P	04 25 27.9 +1.9
KMI			Pmax	
KMI	comp=Z,11nm,1.4s		Pmax	
CHTO	Chiang Mai	79.20 295	P	04 25 25.8 -0.5
CHTO			IAMB	04 25 35.9
CHTO	comp=Z,21nm,1.1s		P	
CHTO	Chiang Mai	79.20 295	P	04 25 25.8 -0.5
CHTO			Pmax	
XAN	Xi'an	79.35 313	P	04 25 27.9 +1.0
XAN			MLR	
XAN	comp=Z,8.0nm,0.6s		LR	
XAN	comp=N,770nm,22.7s		LR	
XAN	comp=E,1um,20.0s		LR	
XAN	comp=Z,2um,22.0s		LR	
BELA	Belgrano 2	79.80 175	P	04 25 26.1 -0.5
BELA			IAMB	04 25 36.8
HEH	Heihe	80.32 335	eP	04 25 32.3 +0.7
HEH			Pmax	
HEH	comp=Z,13nm,1.1s		P	
PZH	PanZhihua	80.58 303	P	04 25 34.6 +0.8
PZH			Pmax	
PZH	comp=Z,10.0nm,0.9s		Pmax	
CD2	Chengdu	81.29 308	eP	04 25 38.0 +0.6
HHC	Hu-ho-hao-te	81.69 320	eP	04 25 40.2 +0.8
HHC			Pmax	
HHC	comp=Z,21nm,0.6s		Pmax	
SMAI	San Martin Ant	81.75 162	P	04 25 39.8 +0.6
SMAI			IAMB	04 25 47.8
SMAI	comp=Z,14nm,1.0s		P	
ZEA	Zeya	83.11 337	eP	04 25 47.8 +1.5
ZEA			Pmax	
ZEA	comp=Z,20nm,1.4s		MLR	
ZEA	comp=E,500nm,16.0s		MLR	
ELIB	Princess Elisa	83.75 190	dP	04 25 48.6 -1.1
ELIB	comp=Z,8.1nm,1.0s		P	
LZH	Lanzhou	83.95 312	eP	04 25 53.2 +1.9
LZH			P	04 26 01.2 +0.8
LZH			PwP	
LZH			Pmax	
PMSA	Palmer Station	84.87 160	P	04 25 54.1 -1.2
TROLL	Troll, Antarti	86.16 184	P	04 26 01.3 -0.5
TROLL	comp=Z,532nm,0.8s		P	
SNA4	Sanae	86.80 183	P	04 26 03.6 -1.2
SNA4	Sanae	86.80 183	P	04 26 04.6 -0.3
SNA4	comp=Z,119nm,0.8s		P	
SNA4	Sanae	86.80 183	P	04 26 03.6 -1.2
SNA4			Pmax	
SNA4	comp=Z,12nm,1.0s		P	
SNA4	Sanae	86.80 183	P	04 26 04.5 -0.3
SNA4	comp=Z,7.3nm,1.0s,baz=179,slow=2.4,SNR=25		P	
SNA4	comp=Z,7.3nm,1.0s		P	
VNA3	Neumayer Olymp	87.40 181	P	04 26 07.4 -0.3
VNA3	comp=Z,7.8nm,0.8s		P	
VNA2	Neumayer-Watz	87.69 181	P	04 26 09.1 0.0
VNA2	comp=Z,5.3nm,0.7s,baz=182,slow=4.0		P	
VNA1	Neumayer-Stat	87.98 181	P	04 26 09.1 -1.3
VNA1	comp=Z,5.0nm,0.7s		P	
ULN	Ulanbaatar	88.46 324	P	04 26 13.9 +0.7
ULN			IAMB	04 26 18.5
ULN	comp=Z,11nm,1.1s		P	
ULN	Ulanbaatar	88.46 324	P	04 26 14.4 +1.2
ULN			Pmax	
SOMN	Songino Array	88.81 323	P	04 26 15.0 +0.2
SOMN			IAMB	04 26 19.4
SOMN	comp=Z,9.6nm,1.3s		P	
SOMN	Songino Array	88.81 323	P	04 26 15.0 +0.2
SOMN			Pmax	
SOMN	comp=Z,10.0nm,1.3s		P	
SOMN	Songino Array	88.81 323	P	04 26 15.8 +1.0
SOMN	comp=Z,2.7nm,0.8s,baz=141,slow=5.3,SNR=12		P	
SOMN	comp=Z,2.7nm,0.8s		P	
YAK	Yakutsk	88.96 343	eP	04 26 15.6 +0.6
YAK			Pmax	
YAK	comp=Z,40nm,1.2s		Pmax	
CMB	Columbia Colle	89.08 48	P	04 26 15.5 -0.7
CMB			IAMB	04 26 21.0
CMB	comp=Z,16nm,1.8s		P	
CMB	Columbia Colle	89.08 48	P	04 26 15.5 -0.7
CMB			Pmax	
CMB	comp=Z,16nm,1.8s		P	
AFDM	Forest Hills D	89.11 47	P	04 26 15.7 -0.6
AF				

NEIC 01 04:27:49.7, 0.8, 8.69S, 0.02:75.64W, 0.08, h10km, 1km, mb4.2/10, Error ellipse: s-maj=12.9km s-min=4.1km az=266.0

VAO 01 04:27:54.9, 0.6, 8.89S, 75.21W, h10km, mb4.3

ISC 01 04:27:50.1, 0.7, 8.81S, 0.06:75.50W, 0.07, h10km, n47, c29/29/49, Central Peru

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like CZSB, NNA, MCRGA, BOSC, etc.

NEIC 01 04:28:01.1, 1.3, 21.82S, 0.07:168.82E, 0.07, h10km, 2km, mb4.4/3, Error ellipse: s-maj=14.0km s-min=8.9km az=34.0

ISC 01 04:28:02.1, 1.1, 22.38S, 168.54E, h0km, mb4.0/5, mbtm4.0/5, Error ellipse: s-maj=37.9km s-min=23.2km az=9.0

ISC 01 04:28:01.0, 0.8, 21.8S, 0.11:168.81E, 0.09, h10km, n30, c101/30, mb4.2/7.3, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like MARNC, PINIC, LIFNC, etc.

ROM 01 04:31:14.3, 0.1, 42.793N, 0.003:13.213E, 0.005, h10km, MLO.8/16, Error ellipse: s-maj=0.4km s-min=0.3km az=62.0, Central Italy

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like NRCA, CRK, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like MC2, MMT01, MTR1, etc.

SKO 01 04:38:33.8, 41.15N, 23.22E, h31km, ML1.2, Manual Solution by F.Xalaris First location: 2019/04/08 18:08:26, This location: 2019/04/08 18:07:33 ML

Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 4 km; Longitude uncertainty: 3 km, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like KNT, KND, KNR, etc.

BEO 01 04:39:04.1, 0.7, 42.27N, 23.32E, h36km, 4km, ML1.3/3, Bulgaria

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

ISC 01 04:40:12.5, 0.9, 68.00N, 18.28W, h0km, mb3.5/8, mbtm3.7/12, ML3.4/4, Error ellipse: s-maj=20.8km s-min=18.0km az=2.0

DNK 01 04:40:48.4, 0.9, 70.50N, 21.43W, h26km, 25km, MLO.6, ISC 01 04:40:13.8, 0.6, 68.51N, 0.07:18.09W, 0.07, h10km, n20, c202/21, mb3.5/8, Iceland region

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like MKAR, PDAR, TXAR.

NEIC 01 04:41:56.3, 0.5, 18.99N, 0.05:155.21W, 0.04, h51km, 4km, Error ellipse: s-maj=8.5km s-min=3.9km az=148.0

HVO 01 04:41:57.2, 1.0, 18.90N, 0.06:155.16W, 0.06, h41km, 5km, ML2.7/1.4, ML2.8/50(NEIC), Error ellipse: s-maj=11.1km s-min=4.6km az=139.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like HTC, HLP, HLP, etc.

ISC 01 04:48:52.5, 0.7, 21.80S, 169.06E, h0km, mb4.2/13, mbtm4.2/15, ML3.7/1, MS3.6/1, Error ellipse: s-maj=20.5km s-min=18.8km az=147.0

NEIC 01 04:48:55.2, 1.8, 21.86S, 0.07:168.92E, 0.05, h10km, 1km, mb4.6/24, Error ellipse: s-maj=12.8km s-min=6.9km az=27.0

ISC 01 04:48:54.0, 5.0, 21.83S, 0107.168, 97E, 0106, h10km, n76,

0856777, mb4.5/26.5C-1D, Loyalty Islands

s-maj=19.0km s-min=16.6km az=107.0

NEIC 01 04:53:47.3, 1.2, 21.62S, 0109.169, 42E, 0111, km, 4km,

mb4.9/57, Error ellipse: s-maj=12.8km s-min=8.3km

az=174.0

ISC 01 04:53:48.6, 0.4, 21.67S, 0107.169, 46E, 0106, h21km, n134,

01502/138, mb4.8/52, 1C-8D, Southeast of Loyalty

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MARE, Loyalty, PINNOC, Pines Island, LIFOCU, Ouen Island, N, DZM, Mont Dzumac, DZM, 18m, 0.3s, baz=86, slow=20, SNR=6.4, DZM, 60m, 0.3s, baz=278, slow=24, SNR=1.1, DZM, 71m, 0.2s, baz=106, slow=40, 127m, 0.7s.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MARE, Loyalty, PINNOC, Pines Island, LIFOCU, Ouen Island, N, DZM, Mont Dzumac, DZM, 6.4m, 0.3s, baz=76, slow=17, SNR=1.2, DZM, 19m, 0.3s, baz=92, slow=17, SNR=4.5.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ONTNC, Ouen Toro, KOUNC, Koumac, New Ca, MSVFN, Nonsavu, RTZ, Rualahua, CTA, Charters Tower, CTAO, Charters Tower, CTAO, comp=2.1, 18m, 1.2s.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ONTNC, Ouen Toro, KOUNC, Koumac, New Ca, MSVFN, Nonsavu, MSVFN, Nonsavu, MSVFN, Nonsavu, MSVFN, Nonsavu, MSVFN, Nonsavu.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include STKA, Stephens Creek, BBOO, Buckleboe, WRO, Warrunganga Arr, WRO, Warrunganga Arr, AS31, Alice Springs, ASAR, Alice Springs.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FUNA, Funafuti, URZ, Urewera, RTZ, Rualahua, MRZ, Mangatoinaka R, CTA, Charters Tower, CTAO, Charters Tower, RPZ, Rata Peaks.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WB0, Warrunganga Arr, WB2, Warrunganga Arr, WRA, Warrunganga Arr, WRA, Warrunganga Arr, MTN, Manton Dam, MTN, comp=2.24m, 1.4s.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WB0, Warrunganga Arr, AS31, Alice Springs, ASAR, Alice Springs, ASAR, Alice Springs, ASAR, Alice Springs, ASAR, Alice Springs, ASAR, Alice Springs.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FORT, Forrest, MBWA, Marble Bar, NWAO, Narrogin (SRO), TOLIZ, Tolitoli, Vnda, Vanda, Vnda, Vanda, SBA, Scott Base, SBA, Casey, CASY, Casey, MJAR, Matsushiro Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FORT, Forrest, KNRA, Kunmurrurra, MBWA, Marble Bar, NWAO, Narrogin (SRO), SBA, Scott Base, CASY, Matsushiro Arr, MJAR, Matsushiro Arr, GSPA, South Pole Qui.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSPA, South Pole Qui, USRK, Ussuriysk Arr, CMAR, Chiang Mai Arr, BELA, Belgrano 2, BELA, Kodiak Island, KDKAK, Kodiak Island, TROLL, Troll, Antarti, SNA, Sanae, SNA, Sanae, SNA, Sanae.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSPA, South Pole Qui, GSPA, South Pole Qui, KSR, Korea Array, NJ2, Nanjing, NJ2, Nanjing, NJ2, Nanjing, USRK, Ussuriysk Arr, USRK, Ussuriysk Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include VNA3, Neumayer Olymp, VNA2, Neumayer-Watz, VNA1, Neumayer-Stat, SONM, Songino Arr, DSP, Deep Springs, DSP, Mina Array Bea, NVAR, Mina Array Bea, GMN, Gold Mountain, WCT, Wildcat Mounta, WCT, Pahroc Range, PRN, Pahroc Range, PRN, Eielson Array.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSPA, South Pole Qui, GSPA, South Pole Qui, KSR, Korea Array, NJ2, Nanjing, NJ2, Nanjing, USRK, Ussuriysk Arr, USRK, Ussuriysk Arr, MA0B, Ussuriysk Arr, MA0B, Ussuriysk Arr, MAW, Mawson, MAW, Mawson, LYN, LuoYang, BELA, Belgrano 2, CMAR, Chiang Mai Arr, CMAR, Chiang Mai Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ILAR, Eielson Array, DCC, Dobruska-Polom, PLL, Collim, CLL, Molin, SOKA, Soboth, OBKA, Obir, LES, Schwarzeleot, MYKA, Terra Mystica, ABTA, Abfallersbach, WATA, Walderalm, WATA, Walderalm, WTTA, Wattenberg, MOTA, Moosalm, SQT, Sankt Quirin, RETA, Reutte, FETA, Feichten, DAVA, Damuels.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSPA, South Pole Qui, GSPA, South Pole Qui, KSR, Korea Array, NJ2, Nanjing, NJ2, Nanjing, USRK, Ussuriysk Arr, USRK, Ussuriysk Arr, MA0B, Ussuriysk Arr, MA0B, Ussuriysk Arr, MAW, Mawson, MAW, Mawson, LYN, LuoYang, BELA, Belgrano 2, CMAR, Chiang Mai Arr, CMAR, Chiang Mai Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WATA, Walderalm, WTTA, Wattenberg, MOTA, Moosalm, SQT, Sankt Quirin, RETA, Reutte, FETA, Feichten, DAVA, Damuels, MOA, Molin, SOKA, Soboth, OBKA, Obir, LES, Schwarzeleot, MYKA, Terra Mystica, ABTA, Abfallersbach, WATA, Walderalm, WTTA, Wattenberg, MOTA, Moosalm, SQT, Sankt Quirin, RETA, Reutte, FETA, Feichten, DAVA, Damuels.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSPA, South Pole Qui, GSPA, South Pole Qui, KSR, Korea Array, NJ2, Nanjing, NJ2, Nanjing, USRK, Ussuriysk Arr, USRK, Ussuriysk Arr, MA0B, Ussuriysk Arr, MA0B, Ussuriysk Arr, MAW, Mawson, MAW, Mawson, LYN, LuoYang, BELA, Belgrano 2, CMAR, Chiang Mai Arr, CMAR, Chiang Mai Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WATA, Walderalm, WTTA, Wattenberg, MOTA, Moosalm, SQT, Sankt Quirin, RETA, Reutte, FETA, Feichten, DAVA, Damuels, MOA, Molin, SOKA, Soboth, OBKA, Obir, LES, Schwarzeleot, MYKA, Terra Mystica, ABTA, Abfallersbach, WATA, Walderalm, WTTA, Wattenberg, MOTA, Moosalm, SQT, Sankt Quirin, RETA, Reutte, FETA, Feichten, DAVA, Damuels.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSPA, South Pole Qui, GSPA, South Pole Qui, KSR, Korea Array, NJ2, Nanjing, NJ2, Nanjing, USRK, Ussuriysk Arr, USRK, Ussuriysk Arr, MA0B, Ussuriysk Arr, MA0B, Ussuriysk Arr, MAW, Mawson, MAW, Mawson, LYN, LuoYang, BELA, Belgrano 2, CMAR, Chiang Mai Arr, CMAR, Chiang Mai Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WATA, Walderalm, WTTA, Wattenberg, MOTA, Moosalm, SQT, Sankt Quirin, RETA, Reutte, FETA, Feichten, DAVA, Damuels, MOA, Molin, SOKA, Soboth, OBKA, Obir, LES, Schwarzeleot, MYKA, Terra Mystica, ABTA, Abfallersbach, WATA, Walderalm, WTTA, Wattenberg, MOTA, Moosalm, SQT, Sankt Quirin, RETA, Reutte, FETA, Feichten, DAVA, Damuels.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSPA, South Pole Qui, GSPA, South Pole Qui, KSR, Korea Array, NJ2, Nanjing, NJ2, Nanjing, USRK, Ussuriysk Arr, USRK, Ussuriysk Arr, MA0B, Ussuriysk Arr, MA0B, Ussuriysk Arr, MAW, Mawson, MAW, Mawson, LYN, LuoYang, BELA, Belgrano 2, CMAR, Chiang Mai Arr, CMAR, Chiang Mai Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WATA, Walderalm, WTTA, Wattenberg, MOTA, Moosalm, SQT, Sankt Quirin, RETA, Reutte, FETA, Feichten, DAVA, Damuels, MOA, Molin, SOKA, Soboth, OBKA, Obir, LES, Schwarzeleot, MYKA, Terra Mystica, ABTA, Abfallersbach, WATA, Walderalm, WTTA, Wattenberg, MOTA, Moosalm, SQT, Sankt Quirin, RETA, Reutte, FETA, Feichten, DAVA, Damuels.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSPA, South Pole Qui, GSPA, South Pole Qui, KSR, Korea Array, NJ2, Nanjing, NJ2, Nanjing, USRK, Ussuriysk Arr, USRK, Ussuriysk Arr, MA0B, Ussuriysk Arr, MA0B, Ussuriysk Arr, MAW, Mawson, MAW, Mawson, LYN, LuoYang, BELA, Belgrano 2, CMAR, Chiang Mai Arr, CMAR, Chiang Mai Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WATA, Walderalm, WTTA, Wattenberg, MOTA, Moosalm, SQT, Sankt Quirin, RETA, Reutte, FETA, Feichten, DAVA, Damuels, MOA, Molin, SOKA, Soboth, OBKA, Obir, LES, Schwarzeleot, MYKA, Terra Mystica, ABTA, Abfallersbach, WATA, Walderalm, WTTA, Wattenberg, MOTA, Moosalm, SQT, Sankt Quirin, RETA, Reutte, FETA, Feichten, DAVA, Damuels.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSPA, South Pole Qui, GSPA, South Pole Qui, KSR, Korea Array, NJ2, Nanjing, NJ2, Nanjing, USRK, Ussuriysk Arr, USRK, Ussuriysk Arr, MA0B, Ussuriysk Arr, MA0B, Ussuriysk Arr, MAW, Mawson, MAW, Mawson, LYN, LuoYang, BELA, Belgrano 2, CMAR, Chiang Mai Arr, CMAR, Chiang Mai Arr.

Main table on the right side of the page, containing station data for various locations including YBH, SONM, MDPB, WAKR, PNTR, YERR, DSD, QSM, GWY, GWN, GMM, MZP, KVN, WCT, TPNV, TPV, PINV, SHPR, W13A, ILAR, SCRK, K27K, I26K, L29M, M30M, EGA, MTU, TXAR, WMQ, SPITS, ARCES, FINES, AKASA, NOA, KRLO, JAVC, WRAC, CLL, KRUC, HSKC, EKA, ZVON, RONA, CKRC, KHC, GERES, MOA, SOKA, BIOA, OBKA, LES, ABTA, ABTA, WATA, WTTA, MOTA, RETA, FETA, DAVA, ESDC.

ISC 01 05:04:33.9, 9.2, 17.1S, 168.62E, h0km, mb3.9/10, mbmp3.9/12, ML3.6/1, Error ellipse: s-maj=24.4km s-min=20.2km az=171.0

ISC 01 05:04:36.8, 0.7, 21.7S, 0120.168, 60E, 0109, h20km, n20,

087420, mb4.0/9, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DZM, Mont Dzumac, DZM, 121m, 0.3s, baz=118, slow=23, SNR=9.3, MSVFN, Nonsavu, CTA, Charters Tower, STKA, Stephens Creek, ASAR, Alice Springs, WRA, Warrunganga Arr, Vnda, Vanda.

ISC 01 04:53:45.1, 0.6, 21.64S, 169.65E, h0km, mb4.3/16, mbmp4.3/18, ML3.8/2, MS4.6/1, Error ellipse:

G22K	Bettles	93.26	15	P	P	05 22 10.0	-3.8
H24K	Noodor Dome	93.30	16	IAMS_20	IAMS_20	05 58 45.8	
H24K	Noodor Dome	93.30	16	P	P	05 22 11.0	-3.1
B18K	Kokolik River	93.33	10	P	P	05 22 11.5	-2.6
G08A	Pilot Rock	93.36	42	IAMB	IAMB	05 22 28.1	
RAMN	Ramite	93.36	298	eP	P	05 22 12.0	-3.5
E20K	Nigu River	93.36	12	P	P	05 22 12.3	-2.1
E07A	Sunnyside	93.41	41	IAMB	IAMB	05 22 19.9	
O30N	Mendenhall	93.41	24	IAMB	IAMB	05 22 27.1	
O30N	Mendenhall	93.41	24	P	P	05 22 12.6	-2.1
O30N	Mendenhall	93.41	24	P	P	05 22 12.6	-2.1
G23K	Bananza Creek	93.44	15	IAMB	IAMB	05 22 31.2	
G23K	Bananza Creek	93.44	15	P	P	05 22 11.1	-3.6
T35M	Bob Quinn	93.45	29	P	P	05 22 09.5	-5.5
C19K	Lookout Ridge	93.47	11	IAMS_20	IAMS_20	05 59 48.1	
C19K	Lookout Ridge	93.47	11	P	P	05 22 09.7	-5.1
J26L	Joseph Creek	93.49	19	IAMB	IAMB	05 22 27.3	
J26L	Joseph Creek	93.49	19	P	P	05 22 09.9	-5.2
N30M	Aishikik Lake	93.49	23	IAMS_20	IAMS_20	05 55 15.1	
N30M	Aishikik Lake	93.49	23	P	P	05 22 13.3	-1.8
HAWA	Hanford	93.52	41	IAMB	IAMB	05 22 28.2	
HAWA	Hanford	93.52	41	IAMS_20	IAMS_20	05 55 01.0	
VJD	Tucson	93.53	57	P	P	05 22 15.2	-0.7
TUC	Tucson	93.53	57	IAMB	IAMB	05 22 21.1	
TUC	Tucson	93.53	57	P	P	05 22 13.0	-3.0
TUC	Tucson	93.53	57	P	P	05 22 15.3	-0.7
P32M	Atlin	93.57	25	IAMB	IAMB	05 22 28.4	
P32M	Atlin	93.57	25	P	P	05 22 11.2	-4.3
F22K	John River	93.58	14	P	P	05 22 11.2	-4.1
LCMT	Little Creek M	93.59	52	IAMB	IAMB	05 22 21.1	
K27K	Chicken	93.60	19	IAMB	IAMB	05 22 28.5	
K27K	Chicken	93.60	19	P	P	05 22 08.9	-6.6
S34M	Telegraph Cree	93.61	28	IAMB	IAMB	05 22 29.1	
S34M	Telegraph Cree	93.61	28	IAMS_20	IAMS_20	05 55 01.8	
S34M	Telegraph Cree	93.61	28	P	P	05 22 10.5	-5.1
SPR3	Spring Creek 3	93.64	49	IAMB	IAMB	05 22 21.2	
M29M	Somme Creek	93.67	22	IAMS_20	IAMS_20	06 08 56.6	
M29M	Somme Creek	93.67	22	P	P	05 22 11.3	-4.6
D20K	Etiwuk River	93.67	12	P	P	05 22 10.6	-5.1
PRP	Porcupine Dome	93.68	17	IAMS_20	IAMS_20	05 59 11.3	
PRP	Porcupine Dome	93.68	17	P	P	05 22 11.0	-4.9
ELK	Elko	93.76	48	IAMS_20	IAMS_20	06 04 52.1	
ELK	Elko	93.76	48	LR	LR	05 59 37.5	
Q32M	Nakina River	93.77	26	IAMB	IAMB	05 22 29.7	
Q32M	Nakina River	93.77	26	P	P	05 22 11.5	-5.1
JHSG	JHARSUGUGA	93.79	2921	eP	P	05 22 13.6	-3.7
WHY	Whitehorse	93.79	24	IAMB	IAMB	05 22 28.9	
WHY	Whitehorse	93.79	24	IAMS_20	IAMS_20	05 55 31.9	
WHY	Whitehorse	93.79	24	P	P	05 22 11.0	-5.6
COLD	Coldfoot	93.81	15	P	P	05 22 14.7	-1.7
E08A	Dider Farm, El	93.86	41	IAMB	IAMB	05 22 30.0	
X16A	Lo Mia Camp, P	93.87	55	IAMB	IAMB	05 22 22.8	
KNB	Kanab	93.90	52	IAMB	IAMB	05 22 36.2	
SZCU	Shurtz Canyon	93.95	51	IAMB	IAMB	05 22 32.5	
E21K	Killik River	93.97	13	IAMB	IAMB	05 22 29.6	
E21K	Killik River	93.97	13	IAMS_20	IAMS_20	05 56 40.5	
E21K	Killik River	93.97	13	P	P	05 22 15.1	-2.0
J1RN	Jiri	93.97	298	eP	P	05 22 16.3	-2.2
N31M	Braeburn, Yuko	93.99	23	IAMS_20	IAMS_20	06 09 42.0	
N31M	Braeburn, Yuko	93.99	23	P	P	05 22 14.9	-2.4
U15A	North Rim	94.05	52	IAMB	IAMB	05 22 23.7	
G24K	Hadweenciz Riv	94.07	16	IAMB	IAMB	05 22 29.5	
G24K	Hadweenciz Riv	94.07	16	IAMS_20	IAMS_20	06 13 12.5	
G24K	Hadweenciz Riv	94.07	16	P	P	05 22 15.6	-2.0
H25L	Birch Creek	94.17	17	P	P	05 22 15.8	-2.2
E22K	Anaktuvuk Pass	94.17	14	IAMB	IAMB	05 22 30.8	
E22K	Anaktuvuk Pass	94.17	14	IAMS_20	IAMS_20	05 56 36.1	
E22K	Anaktuvuk Pass	94.17	14	P	P	05 22 16.0	-2.0
A19K	Wainwright	94.19	10	P	P	05 22 15.8	-2.2
I26K	Coal Creek Min	94.20	18	IAMS_20	IAMS_20	05 59 06.9	
I26K	Coal Creek Min	94.20	18	P	P	05 22 14.0	-4.1
BMO	Blue Mountains	94.20	43	IAMS_20	IAMS_20	05 55 31.2	
MOY	Mondy	94.23	325	eP	P	05 22 19.0	+0.2
L29M	L29M	94.23	21	IAMS_20	IAMS_20	06 08 36.4	
L29M	L29M	94.23	21	P	P	05 22 14.5	-3.9
P33M	Teslin, Yukon	94.31	25	P	P	05 22 15.9	-3.0
GUN	Gumba	94.32	298	eP	P	05 22 17.7	-2.4
M30M	Minto, Yukon	94.34	22	IAMS_20	IAMS_20	05 56 05.1	
M30M	Minto, Yukon	94.34	22	P	P	05 22 16.2	-2.7
319A	Douglas	94.34	58	IAMB	IAMB	05 22 24.7	
WUJAZ	Wupakti	94.36	54	IAMB	IAMB	05 22 24.8	
WUJAZ	Wupakti	94.36	54	IAMS_20	IAMS_20	05 54 55.7	
WUJAZ	Wupakti	94.36	54	P	P	05 22 18.2	-1.7

DLBC	Dease Lake	94.40	27	LR	LR	05 55 37.5	
C21K	Kniefblade Riv	94.40	12	P	P	05 22 16.8	-2.2
EGAK	Cap Tracy	94.41	19	P	P	05 22 16.8	-2.3
PKCU	Pink Cliffs	94.45	51	IAMB	IAMB	05 22 35.0	
DAWY	Dawson	94.47	20	IAMB	IAMB	05 22 31.9	
DAWY	Dawson	94.47	20	P	P	05 22 15.5	-4.0
G25K	Bearman Lake	94.47	16	P	P	05 22 17.4	-1.9
MFID	Camas Ranch	94.52	45	IAMB	IAMB	05 22 33.7	
MFID	Camas Ranch	94.52	45	IAMS_20	IAMS_20	05 57 06.9	
FYU	Fort Yukon	94.55	17	IAMB	IAMB	05 22 24.0	
R33M	Jennings River	94.56	26	IAMB	IAMB	05 22 37.4	
R33M	Jennings River	94.56	26	IAMS_20	IAMS_20	05 54 44.8	
R33M	Jennings River	94.56	26	P	P	05 22 15.4	-4.7
PKI	Pulchoki	94.58	298	eP	P	05 22 18.9	-2.3
LL01	San Ignacio de	94.58	139	IAMS_20	IAMS_20	06 08 09.2	
PKIN	Pulchoki	94.59	298	eP	P	05 22 18.7	-2.5
F24K	Squaw Lake	94.60	15	IAMB	IAMB	05 22 32.7	
F24K	Squaw Lake	94.60	15	IAMS_20	IAMS_20	06 02 50.4	
F24K	Squaw Lake	94.60	15	P	P	05 22 17.3	-2.7
D22K	Aiyikav River	94.60	13	IAMB	IAMB	05 22 33.6	
D22K	Aiyikav River	94.60	13	IAMS_20	IAMS_20	05 56 38.2	
D22K	Aiyikav River	94.60	13	P	P	05 22 18.8	-1.2
E23K	Chandalar	94.61	14	P	P	05 22 19.1	-1.0
VJD	Vijayawada	94.62	286	eP	P	05 22 19.8	-1.3
B20K	Meade River	94.68	11	IAMS_20	IAMS_20	06 01 20.2	
B20K	Meade River	94.68	11	P	P	05 22 18.2	-2.0
N32M	Quiet Lake	94.79	24	P	P	05 22 19.5	-1.6
B21K	Ikpiuk River	94.82	12	IAMB	IAMB	05 22 35.2	
B21K	Ikpiuk River	94.82	12	IAMS_20	IAMS_20	06 00 44.1	
B21K	Ikpiuk River	94.82	12	P	P	05 22 18.7	-2.2
DMN	Daman	94.84	298	eP	P	05 22 20.4	-1.9
I27K	Kandik River	94.86	18	P	P	05 22 19.1	-2.2
E24K	Your Creek	94.89	15	IAMS_20	IAMS_20	05 58 12.0	
E24K	Your Creek	94.89	15	P	P	05 22 19.8	-1.5
K29M	Barlow Dome	94.93	21	IAMB	IAMB	05 22 34.2	
K29M	Barlow Dome	94.93	21	P	P	05 22 19.1	-2.6
DUN6	Lazy B Ranch	94.94	57	IAMB	IAMB	05 22 37.0	
M31M	Drury Creek, Y	94.95	23	IAMS_20	IAMS_20	05 56 00.5	
M31M	Drury Creek, Y	94.95	23	P	P	05 22 19.0	-2.8
TOLK	Toolk Lake Re	95.08	14	IAMB	IAMB	05 22 48.7	
TOLK	Toolk Lake Re	95.08	14	IAMS_20	IAMS_20	06 02 01.9	
TOLK	Toolk Lake Re	95.08	14	P	P	05 22 18.8	-3.4
D23K	Nanushuk River	95.09	14	P	P	05 22 18.3	-3.9
J29N	Klondike Camp	95.11	20	IAMB	IAMB	05 22 35.3	
J29N	Klondike Camp	95.11	20	P	P	05 22 18.7	-3.7
PLID	Pearl Lake	95.14	43	IAMS_20	IAMS_20	05 55 38.0	
DUG	Dugway, Tooele	95.21	49	IAMS_20	IAMS_20	05 56 12.6	
DUG	Dugway, Tooele	95.21	49	P	P	05 22 19.3	-4.3
F25K	Christian River	95.21	16	P	P	05 22 19.4	-3.4
G26K	Porcupine River	95.22	17	P	P	05 22 18.6	-4.2
KOD	Kodiakal	95.25	2791	eP	P	05 22 27.3	-2.8
I28M	Miner Creek	95.25	19	IAMB	IAMB	05 22 25.8	
I28M	Miner Creek	95.25	19	P	P	05 22 19.1	-4.0
MAYO	Mayo, Yukon	95.31	22	P	P	05 22 19.4	-3.9
H27K	Steamboat Moun	95.33	18	P	P	05 22 18.5	-4.9
FARO	Faro, Yukon	95.35	23	P	P	05 22 20.2	-3.4
GKN	Gorkha	95.37	298	eP	P	05 22 22.6	-2.0
W18A	Petrified Forest	95.44	54	P	P	05 22 19.4	-5.4
HLID	Hailey	95.52	45	IAMS_20	IAMS_20	05 59 53.2	
HLID	Hailey	95.52	45	P	P	05 22 21.0	-4.0
E25K	Arctic Village	95.63	16	IAMB	IAMB	05 22 37.4	
E25K	Arctic Village	95.63	16	P	P	05 22 22.4	-2.3
B22K	Teshkepuk Lake	95.65	12	IAMB	IAMB	05 22 43.8	
B22K	Teshkepuk Lake	95.65	12	IAMS_20	IAMS_20	06 01 22.0	
D24K	Happy Valley	95.65	14	IAMB	IAMB	05 22 38.2	
D24K	Happy Valley	95.65	14	IAMS_20	IAMS_20	05 57 56.2	
D24K	Happy Valley	95.65	14	P	P	05 22 22.7	-2.0
F26K	Sheenjek River	95.67	16	P	P	05 22 22.2	-2.8
I29M	Ogilvie Camp,	95.69	20	P	P	05 22 22.6	-2.5
G27K	Doyon Strip	95.70	18	IAMB	IAMB	05 22 37.4	
G27K	Doyon Strip	95.70	18	IAMS_20	IAMS_20	06 00 25.9	
G27K	Doyon Strip	95.70	18	P	P	05 22 22.0	-3.1
HMU	Henry Mountain	95.78	52	IAMB	IAMB	05 22 39.0	
J30M	Hart River	95.80	21	IAMS_20	IAMS_20	06 12 26.9	
J30M	Hart River	95.80	21	P	P	05 22 23.5	-2.2
C23K	Ikilik River	95.81	13	IAMS_20	IAMS_20	05 58 15.1	
C23K	Ikilik River	95.81	13	P	P	05 22 23.4	-2.0
NEW	Newport	95.84	40	IAMS_20	IAMS_20	05 55 20.1	
NEW	Newport	95.84	40	P	P	05 22 24.6	-1.6
NEW	Newport	95.84	40	LR	LR	05 58 54.2	
Q16A	Castle Valley	95.86	50	IAMB	IAMB	05 22 49.7	
WTLY	Watson Lake, Y	95.88	26	P	P	05 22 24.1	-1.9
A22K	Sinclair Lake	95.92	11	P	P	05 22 24.2	-1.7
121A	Cocoon Peak, D	95.96	57	P	P	05 22 24.8	-2.5

TMUT	Trail Mountain	95.98	50	IAMB	IAMB	05 22 32.1	
C24K	Franklin Bluff	96.12	14	P	P	05 22 25.7	-1.2
CTU	Camp Tracy	96.15	49	IAMB	IAMB	05 22 33.9	
I30M	Mount Dempster	96.21	20	IAMB	IAMB	05 22 40.0	
I30M							

CMIA	Cha da Macela	159.72	35	ePKP	PKPdf	05 28 59.9	+1.0
PBRG	Braganca	159.79	35	ePKP	PKPdf	05 28 57.9	-1.0
PBRG	Braganca	159.79	35	ePKP	PKPab	05 29 30.0	+1.3
PBRG	Braganca	159.79	35	ePKP	PKP	05 30 24.0	+2.0
PGAV	Gaveira, Arco	159.81	354	ePKPdf	PKPdf	05 28 58.4	+0.6
PGAV	Gaveira, Arco	159.81	354	eLR	LR	06 02 30.1	
comp-Z,912nm,16.0s							
BART	Pico Bartolome	159.90	35	ePKP	PKPdf	05 29 04.0	+4.8
EIBI	Ibiza	159.92	331	ePKP	PKPdf	05 28 57.2	-1.9
POLQ	Lamas de Olo	160.35	353	ePKP	PKPab	05 29 42.9	+2.6
POLQ	Lamas de Olo	160.35	353	ePKP	PKP	05 33 24.1	+2.7
ECHC	Chera	160.38	337	ePKP	PKPdf	05 28 59.2	-0.5
PVRL	Vila Real	160.44	353	ePKPdf	PKPdf	05 29 01.6	+1.9
PVRL	Vila Real	160.44	353	ePKPab	PKPab	05 29 43.4	+2.9
MVO	Moncorvo	160.46	351	ePKP	PKPdf	05 28 59.0	-0.7
MVO	Moncorvo	160.46	351	ePKP	PKPab	05 30 02.0	+2.0
MVO	Moncorvo	160.46	351	eLR	LQ	06 17 21.3	
MVO	Moncorvo	160.46	351	eLR	LR	06 23 35.0	
comp-Z,993nm,18.0s							
UCM	Santa Maria	160.50	36	ePKP	PKPdf	05 28 58.9	-0.9
PSMN	Pico do Norte	160.53	36	ePKP	PKPdf	05 29 03.3	+3.4
PVISE	Viseu	161.01	353	ePKPdf	PKPdf	05 28 59.6	-0.7
PVISE	Viseu	161.01	353	ePKPab	PKPab	05 29 44.9	+1.9
PVISE	Viseu	161.01	353	ePKP	PKP	05 33 27.6	+2.7
ESDC	Sonsecas Array	162.22	351	ePKP	PKPdf	05 29 01.4	+0.8
ESDC					PKPab	05 29 43.3	-0.9
comp-Z,3.2nm,1.0s,baz=24,slow=3.9,SNR=6.3							
ESDC					PKP	05 33 27.1	+0.7
comp-Z,0.7nm,0.9s,baz=46,slow=3.7,SNR=2.5							
MTE	Manteigas	161.28	352	ePKPdf	PKPdf	05 29 00.1	-0.6
MTE	Manteigas	161.28	352	ePKPab	PKPab	05 29 46.1	+1.9
MTE	Manteigas	161.28	352	ePKP	PKP	05 33 30.1	+3.7
MTE	Manteigas	161.28	352	eLR	LQ	06 17 09.2	
MTE	Manteigas	161.28	352	eLR	LR	06 25 47.0	
comp-Z,1.1um,18.0s							
ETOB	Tobarra	161.43	336	ePKP	PKPdf	05 28 58.9	-2.0
COI	Coimbra	161.57	354	ePKPdf	PKPdf	05 29 00.1	-0.7
COI	Coimbra	161.57	354	ePKPab	PKPab	05 29 47.4	+2.2
COI	Coimbra	161.57	354	ePKP	PKP	05 33 29.1	+1.6
PCAS	Casmillo, Conde	161.73	354	ePKPdf	PKPdf	05 29 02.0	+0.9
PCAS	Casmillo, Conde	161.73	354	ePKP	PKP	05 33 31.9	+3.2
PCBR	Castelo Branco	161.82	352	ePKPdf	PKPdf	05 29 02.4	+1.3
PCBR	Castelo Branco	161.82	352	ePKPab	PKPab	05 29 49.2	+2.7
PCBR	Castelo Branco	161.82	352	ePKP	PKP	05 33 42.3	+2.7
CART	Cartagena	162.13	334	ePKP	PKPdf	05 28 58.0	-3.5
PMRV	Marv???	162.22	351	ePKP	PKPdf	05 29 00.9	-0.7
PMRV	Marv???	162.22	351	ePKPab	PKPab	05 29 49.4	+1.1
PMRV	Marv???	162.22	351	ePKP	PKP	05 33 31.9	+0.6
PMRV	Marv???	162.22	351	eLR	LQ	06 17 19.1	
PMRV	Marv???	162.22	351	eLR	LR	06 25 55.1	
comp-Z,901nm,18.0s							
PSBE	So Bento	162.29	355	ePKPdf	PKPdf	05 29 00.9	-0.8
PMTG	Montargil	162.68	353	ePKPdf	PKPdf	05 29 01.1	-0.9
PMTG	Montargil	162.68	353	ePKPab	PKPab	05 29 51.1	+0.8
PMTG	Montargil	162.68	353	ePKP	PKP	05 33 34.2	+0.5
PESTR	Estremoz	162.79	351	ePKPdf	PKPdf	05 29 00.6	-1.6
PESTR	Estremoz	162.79	351	ePKPab	PKPab	05 29 51.7	+0.9
PESTR	Estremoz	162.79	351	ePKP	PKP	05 33 36.5	+2.1
EADA	Adamuz	162.84	343	ePKP	PKPdf	05 29 01.1	-1.1
PACT	Alcochete	163.04	354	ePKPdf	PKPdf	05 29 03.1	+0.5
PACT	Alcochete	163.04	354	ePKPab	PKPab	05 33 34.2	+0.5
PACT	Alcochete	163.04	354	ePKP	PKP	05 33 39.1	+3.5
LIS	Lisbon	163.11	355	ePKPdf	PKPdf	05 29 03.5	+1.1
LIS	Lisbon	163.11	355	ePKP	PKP	05 29 03.0	+0.6
LIS	Lisbon	163.11	355	ePKPdf	PKPdf	05 29 03.0	+0.6
LIS	Lisbon	163.11	355	ePKP	PKP	05 29 03.0	+0.6
comp-Z,1.1um,20.7s							
LIS	Lisbon	163.11	355	ePKP	PKPdf	05 29 03.1	+0.6
EVO	Evora	163.18	352	ePKP	PKPdf	05 29 00.6	-2.0
PBAR	Barrancos	163.39	349	ePKPdf	PKPdf	05 29 04.1	+1.4
PBAR	Barrancos	163.39	349	ePKPab	PKPab	05 29 54.8	+1.4
PBAR	Barrancos	163.39	349	ePKP	PKP	05 33 39.9	+2.4
LIC	Lamto	163.47	201	ePKP	PKPab	05 29 55.5	+1.1
comp-Z,37nm,0.8s							
KIC	Kosan Boka	163.50	202	ePKP	PKPab	05 29 55.6	+1.1
comp-Z,14nm,0.6s							
PBEJ	Beja	166.66	351	ePKPdf	PKPdf	05 29 04.2	+1.2
DBIC	Dimbokro	168.32	202	ePKP	PKPdf	05 29 02.8	-1.0
DBIC	Dimbokro	168.32	202	ePKPab	PKPab	05 29 56.1	+0.2
comp-Z,10nm,0.7s,baz=124,slow=4.0,SNR=7.9							
TIC	Toumoudi	168.86	201	ePKP	PKPab	05 29 57.1	+1.0
comp-Z,18nm,0.9s							
PCVE	Castro Verde	164.07	352	ePKPdf	PKPdf	05 29 05.3	+1.9
PCVE	Castro Verde	164.07	352	ePKP	PKP	05 33 43.8	+2.5
EMAL	Malaga-Limoner	164.11	341	ePKP	PKPdf	05 29 02.0	-1.4
PTEO	Sao Teotónio	164.24	354	ePKPab	PKPab	05 29 42.2	+1.9
PTEO	Sao Teotónio	164.24	354	ePKP	PKP	05 33 44.8	+2.9
PVAQ	Vaqueiros	164.25	351	ePKPdf	PKPdf	05 29 05.3	+1.8
PVAQ	Vaqueiros	164.25	351	ePKPab	PKPab	05 29 58.3	+1.1
PVAQ	Vaqueiros	164.25	351	eLR	LQ	06 18 36.7	
PVAQ	Vaqueiros	164.25	351	eLR	LR	06 27 04.8	
comp-Z,962nm,18.0s							
PBDV	Barranco-do-Ve	164.44	351	ePKP	PKPdf	05 29 04.9	+1.1
PBDV	Barranco-do-Ve	164.44	351	ePKPab	PKPab	05 29 59.3	+1.2
PBDV	Barranco-do-Ve	164.44	351	ePKP	PKP	05 33 45.8	+2.7
MORF	Marmelete	164.47	353	ePKPdf	PKPdf	05 29 05.7	+1.9
MORF	Marmelete	164.47	353	ePKPab	PKPab	05 30 00.2	+2.0
MORF	Marmelete	164.47	353	ePKP	PKP	05 33 46.1	+2.9
MORF	Marmelete	164.47	353	ePKPdf	PKPdf	05 29 04.3	+0.5
MORF	Marmelete	164.47	353	ePKP	PKP	05 33 45.3	+2.0
MORF	Marmelete	164.47	353	eLR	LQ	06 57 19.4	
comp-Z,1.1um,16.7s							
MORF	Marmelete	164.47	353	ePKP	PKPdf	05 29 04.3	+0.5
MORF	Marmelete	164.47	353	ePKP	PKP	05 33 45.3	
MORF	Marmelete	164.47	353	ePKPdf	PKPdf	05 29 06.0	+2.1
MORF	Marmelete	164.47	353	ePKPab	PKPab	05 30 00.6	+1.6
MORF	Marmelete	164.47	353	ePKP	PKP	05 33 45.2	+1.1
MORF	Marmelete	164.47	353	ePKP	PKP	05 39 03.1	-0.9
MORF	Marmelete	164.47	353	ePKP	PKP	05 29 02.0	-2.4
TOAO	Torodi Ar. Sit	165.21	236	ePKP	PKPdf	05 29 04.0	-1.0
TORD	Torodi Ar. Bea	165.21	236	ePKP	PKPdf	05 29 02.9	-2.1
TORD	Torodi Ar. Bea	165.21	236	ePKP	PKP	05 29 03.6	-1.4
comp-Z,1.0nm,0.8s,baz=21,slow=2.1,SNR=29							
TORD	Torodi Ar. Bea	165.21	236	ePKP	PKP	05 33 51.5	+2.8
comp-Z,1.1nm,1.1s,baz=124,slow=7.5,SNR=4.1							
PVLZ	Pezan de	165.51	338	ePKP	PKPdf	05 29 02.0	-2.7
IFR	Ifrane	167.30	338	ePKP	PKPdf	05 29 03.0	-3.0
PMOZ	Porto Moniz, M	167.71	26	ePKPdf	PKPdf	05 29 07.7	+0.6
PMOZ	Porto Moniz, M	167.71	26	ePKP	PKP	05 34 03.5	+0.3
PMOZ	Porto Moniz, M	167.71	26	eLR	LQ	06 19 42.1	
PMOZ	Porto Moniz, M	167.71	26	eLR	LR	06 27 08.6	
comp-Z,1.1um,18.0s							
MDT	Midelt	167.73	334	ePKP	PKPdf	05 29 06.7	0.0
comp-Z,1.6nm,0.8s,baz=357,slow=1.7,SNR=3.8							
MDT	Midelt	167.73	334	ePKPab	PKPab	05 30 13.1	+0.2
comp-Z,1.2nm,0.6s,baz=73,slow=2.3,SNR=5.4							
MDT	Midelt	167.73	334	ePKP	PKP	05 34 03.0	+2.5
comp-Z,1.7nm,0.8s,baz=79,slow=5.2,SNR=3.2							
PMAS	Porto Santo, M	167.81	22	ePKPdf	PKPdf	05 29 07.2	+0.7
PMAS	Porto Santo, M	167.81	22	ePKP	PKP	05 29 09.0	+2.1
PMAR	Madeira	167.91	25	ePKP	PKP	05 34 05.9	+4.3
AME	Aveiroes	168.18	346	ePKP	PKPdf	05 29 04.5	-2.2
TIO	Tiouine	170.38	341	ePKP	PKPdf	05 29 06.3	-0.2

DZM		74nm,0.3s,baz=108,slow=22,SNR=3.9	Sn	Sn	05 15 27.4	-1.2
11nm,0.3s						
ONTNC	Queen Tero	2.65 261	Pn	Pn	05 14 57.7	+0.2
KOUNC	Koumrac, New Ca	4.85 285	Pn	Pn	05 15 28.2	+0.4
MSVF	Nonsavu	9.24 65f	Pn	Pn	05 16 31.8	+3.7
MSVF	Nonsavu	9.24 65	Pn	Pn	05 16 29.8	+1.7
0.4nm,0.3s,baz=290,slow=21,SNR=4.1						
FUNA	Funafuti	16.38 37	P	P	05 18 06.1	-1.2
comp-Z,384nm,1.9s						
FUNA	Funafuti	17.92 160	Iamb	Iamb	05 18 10.0	
EIDS	Eidsvold	17.03 255	P	Pn	05 18 12.1	-0.8
URZ	Urewera	17.64 159	P	P	05 18 22.0	+0.9
comp-Z,14nm,0.8s,baz=300,slow=20,SNR=2.9						
RTZ	Rusuhuna	17.92 160	P	P	05 18 24.6	+0.2
ARMA	Armidale	17.95 238	P	Pn	05 18 23.7	-0.7
MRZ	Mangatainoka R	19.44 165	P	P	05 18 41.7	-0.6
RPZ	Rata Peaks	21.80 177	P	P	05 19 07.6	+1.1
comp-Z,4.7nm,0.7s,baz=311,slow=19,SNR=1.6						
PMG	Port Moresby	24.62 297	P	P	05 19 35.7	+0.8
PMG	Port Moresby	24.62 297f	eP	P	05 19 34.8	-0.1
comp-Z,4.1nm,1.0s						
COEN	Coen	26.04 283	P	P	05 19 46.7	-1.1
STKA	Stephens Creek	26.55 242	P	P	05 19 52.2	-0.1
STKA	Stephens Creek	26.55 242	P	P	05 19 52.2	-0.1
comp-Z,1.17nm,2.0s						
STKA	Stephens Creek	26.55 242	P	P	05 19 52.8	+0.5
comp-Z,2.2nm,0.7s,baz=65,slow=12,SNR=1.4						
comp-Z,2.2nm,0.7s						
ASAR	Alice Springs	32.61 260	P	P	05 20 44.9	-1.4
ASAR	Alice Springs	32.61 260	P	P	05 20 46.6	+0.4
comp-Z,3.2nm,0.7s,baz=74,slow=9.1,SNR=4.2						
comp-Z,3.2nm,0.7s						
WRAB	Tennant Creek	32.65 267	iP	P	05 20 44.6	-2.0
comp-Z,2.9nm,1.6s						
WRA	Warramunga Arr	32.66 267	P	P	05 20 46.4	-0.2
WRA	Warramunga Arr	32.66 267	P	P	05 20 46.4	-0.2
WRA	Warramunga Arr	32.66 267	P	P	05 20 46.0	-0.7
comp-Z,1.3nm,0.6s,baz=95,slow=5.5,SNR=2.8						
MBWA	Marble Bar	45.93 261	P	P	05 22 37.4	0.0
KAPI	Kappang	50.75 282	eP	P	05 23 15.0	+1.0
comp-Z,2.8nm,1.2s						
TOLIZ	Tolitoli	52.55 289	Iamb	Iamb	05 23 27.6	-0.5
TOLIZ	Tolitoli	52.55 289	Iamb	Iamb	05 23 38.6	
comp-Z,90nm,2.0s						
VNDA	Vanda	55.78 182	P	P	05 23 51.3	+0.6
comp-Z,1.7nm,0.9s,baz=6.5,slow=9.5,SNR=3.0						
SBA	Scott Base	56.01 181	P	P	05 23 53.8	+1.4
SBA	Scott Base	56.01 181	P	P	05 23 53.8	+1.4
comp-Z,1.15nm,1.1s						
JMN	Monobe	64.80 328	P	P	05 24 52.7	-0.3
MJAR	Matsushiro Arr	65.12 333	P	P	05 24 53.5	-1.5
comp-Z,7.3nm,1.0s,baz=160,slow=7.0,SNR=7.2						
MAJO	Matsushiro	65.12 333	P	P	05 24 56.4	+1.3
MAJO	Matsushiro	65.12 333	P	P	05 24 56.9	
comp-Z,1.						

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like L61B Northampton, ARCES ARCESS Array B, BDFBS Brasilia, etc.

IDC 01 05:18:10.9, 1.1, 22.135x169.13E, h0km, mb4.0/7, mbtmp4.0/8, ML3.5/1, Error ellipse: s-maj=37.3km s-min=25.9km az=4.0

ISC 01 05:18:16.0, 0.9, 22.05x169.02E, 0.1, h31km, n15, e1511/16, mb4.2/10, 5C, New Caledonia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, CTM Charters Tower, ASAR Alice Springs, etc.

IDC 01 05:21:46.1, 0.6, 21.87Sx169.37E, h0km, mb4.4/15, mbtmp4.4/16, ML4.0/1, Error ellipse: s-maj=19.9km s-min=17.2km az=89.0

NOU 01 05:21:47.4, 2.1, 90Sx169.32E, h0km, mb5.0/26, Southeast of Loyalty Islands

NEIC 01 05:21:49.8, 0.4, 22.08Sx169.06E, 0.07, h10km, 1km, mb4.7/24, Error ellipse: s-maj=11.4km s-min=9.3km az=84.0

ISC 01 05:21:48.9, 0.4, 22.05Sx169.18E, 0.06, h10km, n102, e1540/98, mb4.7/35, 7D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, PNNC Pines Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OUENC Queen Island, ONTNC Ouen Toro, MRZ Charters Tower, etc.

IDC 01 05:25:29.8, 1.0, 21.88Sx169.25E, h0km, mb4.1/5, mbtmp4.1/6, ML4.2/1, Error ellipse: s-maj=35.0km s-min=25.6km az=171.0

ISC 01 05:25:31.1, 1.1, 21.88Sx169.20E, 0.1, h10km, n12, e081/13, mb4.4/7, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KNRA Kunurra, MBWA Marble Bar, MEEK Meekatharra, etc.

IDC 01 05:28:15.6, 1.9, 53.90Nx169.49E, h0km, mb3.1/3, mbtmp3.5/5, ML3.4/2, MS3.6/1, Error ellipse: s-maj=56.9km s-min=27.5km az=7.0

KRSC 01 05:28:20.3, 1.2, 53.81Nx168.56E, h16km, 24km, ML4.1, ISC 01 05:28:16.3, 0.9, 53.81N, 0.1, 169.31E, 0.06, h10km, n29, e203/31, mb3.2/3, Komandorski Islands region

IDC 01 05:28:40.2, 1.0, 33.31Nx96.29E, h0km, mb3.6/7, mbtmp3.6/11, ML3.6/3, Error ellipse: s-maj=47.3km s-min=18.4km az=56.0

ISC 01 05:28:45.3, 0.8, 33.28N, 0.09, 96.20E, 0.1, h35km, n18, e078/18, mb3.6/7, Qinghai

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BOZ Bozeman, WMQ Urulqii, BDFB Brasilia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NOA NORSAR Array B, DPC Dobruska Polk, CLL Collin, etc.

IDC 01 05:28:40.2, 1.0, 33.31Nx96.29E, h0km, mb3.6/7, mbtmp3.6/11, ML3.6/3, Error ellipse: s-maj=47.3km s-min=18.4km az=56.0

ISC 01 05:28:45.3, 0.8, 33.28N, 0.09, 96.20E, 0.1, h35km, n18, e078/18, mb3.6/7, Qinghai

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

IDC 01 05:28:15.6, 1.9, 53.90Nx169.49E, h0km, mb3.1/3, mbtmp3.5/5, ML3.4/2, MS3.6/1, Error ellipse: s-maj=56.9km s-min=27.5km az=7.0

KRSC 01 05:28:20.3, 1.2, 53.81Nx168.56E, h16km, 24km, ML4.1, ISC 01 05:28:16.3, 0.9, 53.81N, 0.1, 169.31E, 0.06, h10km, n29, e203/31, mb3.2/3, Komandorski Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BKI Bering, SHEM Shemya Is, SHEM Shemya Is, etc.

IDC 01 05:28:40.2, 1.0, 33.31Nx96.29E, h0km, mb3.6/7, mbtmp3.6/11, ML3.6/3, Error ellipse: s-maj=47.3km s-min=18.4km az=56.0

ISC 01 05:28:45.3, 0.8, 33.28N, 0.09, 96.20E, 0.1, h35km, n18, e078/18, mb3.6/7, Qinghai

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PKI Pulchoki, DANN Dangsing, PYUN Piuthan, CMAR Chiang Mai Arr, etc.

Station information for IDC 01 05:32:58.5, 3.2, 21.765x169.03E, h0km, mb3.5/3, s-mint=26.8km, az=163.0, Southeast of Loyalty Islands

Station information for IDC 01 05:33:40.5, 0.6, 33.37N, 0.05, 96.31E, 0.09, h10km, n92, a=179/90, mb4.2/19, 2C-3D, Qinghai

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GOMU GeErMu, LSA Lhasa, GTA Gatai, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, KPKS Kolk, MK31 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BBJI Bungbulang, CNJI Cbinjong, LEM Lemang, etc.

Station information for DJA 01 05:39:35.7, 0.2, 8.5, 3.10, 7E, h49km, 4km, M5, 0/26, mb5.0/26, mb5.7/6, MLV4, 9/24, Mw(MB)5.2/6, Mw/Mwps5.2, Mwps5.7/2

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
SONM	comp=Z,0.8nm,0.6s,baz=180,slow=4.3,SNR=4.2						
TARG	Taragay, Kyrgy 56.44 334 P Iamb				05 49 11.6	-0.9	
WSAR	Wadi Sarin 56.86 304 LR				01 11 53.6		
BOOM	Boomskey usch 57.88 333 P Iamb				05 49 22.1	-0.2	
AAK	Ala-Archa 58.65 332 LR				01 19 17.8		
MK31	Makanchi Arr 58.97 240 P				05 49 28.2	-1.5	
MKAR	Makanchi Arr 58.97 340 P				05 49 28.2	-1.5	
MKAR	Makanchi Arr 58.97 340 P				05 49 27.8	-1.9	
UOSS	Minazak 59.60 305 P				05 49 35.0	+0.6	
VOI	Vohtsoka 59.74 249 P				05 49 35.1	+0.5	
H04N2	CROZET ISLANDS 69.62 221 T				06 56 03.2		
H04N1	CROZET ISLANDS 69.71 221 T				06 56 01.5		
H04N3	CROZET ISLANDS 69.71 221 T				06 56 09.0		
H04S1	CROZET ISLANDS 60.86 220 T				06 56 07.3		
H04S2	CROZET ISLANDS 60.88 220 T				06 56 08.3		
KKAR	Karatay Arr 60.92 330 P				05 49 40.3	-0.1	
KURBB	Kurchatov Arr 63.53 340 P				05 49 58.7	-1.7	
KURK	Kurchatov 63.58 340 P Iamb				05 50 00.5	-0.3	
ZALV	Zalesovo Beam 64.61 345 P				05 50 05.5	-1.9	
GEYT	Alibek 64.75 319 P LR				05 50 06.8	-1.9	
MAW	Mawson 66.47 197 P				05 50 18.4	-0.8	
MAW	Mawson 66.47 197 P				05 50 18.2	-1.0	
THZ	Topouse 66.51 132 P				05 50 19.7	-0.4	
BHW	Baring Head 67.91 131 P				05 50 28.9	+0.1	
BBAR	Borovyoy Arr 68.45 337 P				05 50 30.6	-1.3	
ABKAR	Abkular array 70.47 329 P Iamb				05 50 44.3	-0.2	
PETK	Petrovskoyk- 74.34 29 P				05 51 05.7	-1.7	
VNDA	Vanda 74.89 169 P				05 51 11.0	+0.7	
MBAR	Mbarara 76.64 271 LR				06 23 34.1		
KBZ	Khabaz 77.64 318 P				05 51 26.2	-0.2	
BOSA	Boshof 79.26 242 P				05 51 37.0	+1.0	
MMAI	Mount Meron Ar 79.47 306 P				05 51 37.7	-0.9	
MMAI	comp=Z,7.26nm,20.4s,baz=76,slow=37				06 28 41.3		
QSPA	South Pole Qui 81.95 180 P				05 51 50.8	+1.2	
BRTR	Keskin Array B 82.76 312 P				05 51 55.8	+1.5	
TROLL	Troll, Antari 86.94 198 P				05 52 17.0	+2.3	
SNA4	Sanae 88.64 197 P				05 52 25.2	+2.5	
SNA4	Sanae 88.64 197 P				05 52 24.3	+1.6	
VNA2	Neumayer-Watz 90.28 197 P				05 52 32.8	+2.5	
VNA3	Neumayer Olymp 90.80 197 P				05 52 34.4	+1.7	
FINES	FINES Array B 92.84 332 P				05 52 42.7	+0.5	
ARCES	ARCES Array B 94.62 340 P				05 52 50.2	-0.1	
VAE	Vilguarnera 97.14 307 LR				06 43 31.2		
NVAR	Mina Array Ba 129.04 46 PKP PKPdf				05 58 37.3	-0.9	
PDAR	Pinedale Array 132.63 37 PKP PKPdf				05 58 45.3	+0.3	
CPUP	Villa Florida 142.73 203 PKP PKPdf				05 59 02.1	-1.6	
TXAR	Lajitas Array 144.00 50 PKP PKPdf				05 59 05.6	-0.3	
BDFB	Brasilia 146.09 226 PKPb				05 59 11.4	+1.4	
LVC	Limon Verde 149.32 187 PKPb				05 59 20.7	+0.9	
SIV	San Ignacio 153.50 206 PKPb				05 59 30.1	+0.9	
SIV	comp=Z,1.8nm,0.6s,baz=106,slow=3.7,SNR=5.0				05 59 40.9	+2.4	
LPAZ	La Paz 155.41 191 PKPb				05 59 50.9	+0.6	

NOU 01 05:53:49.3,22.18S;169.81E,h0km,MLV4.74, Southeast of Loyalty Islands

IDD 01 05:53:53.0,0.8,21.94S;169.35E,h0km,mb4.1/9, mbtmp4.0/10,ML3.9/1, Error ellipse: s-maj=28.6km s-min=22.9km az=158.0

ISC 01 05:53:54.8,0.8,21.9S;0.2x169.28E;0.10,h10km,m16, r136/17,mb3.9/9,Southeast of Loyalty Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
PINNC	Pines Island, 1.83 248 Op				05 54 26.7	+0.3	
YATNC	Mamie plateau, 2.22 256 P				05 54 33.4	+1.6	
OUCNC	Ouen Island, N 2.31 257 P				05 54 35.9	+2.9	
DZM	Mont Dzumac 2.64 266 Pn				05 54 38.6	+1.0	
DZM	20nm,0.3s,baz=120,slow=24,SNR=10				05 55 07.0	-2.7	
ASAR	Alice Springs 32.61 260 P				06 00 27.3	+0.4	
WRA	Warramunga Arr 32.66 267 P				06 00 26.8	-0.6	
QSPA	South Pole Qui 68.14 180 P				06 04 55.0	0.0	
KRSR	Korea Array 70.74 326 P				06 05 11.8	+0.6	
SNA4	Sanae 86.49 182 P				06 06 37.2	-0.4	
SONM	Songino Array 89.38 323 P				06 06 51.9	+0.2	
NVAR	Mina Array Bea 90.54 48 P				06 06 57.3	-0.2	
ILAR	Eielson Array 92.77 17 P				06 07 05.9	-1.1	
PDAR	Pinedale Array 98.40 47 P				06 07 33.0	-0.5	
ARCES	ARCES Array B 127.66 345 PKP				06 12 59.3	-0.4	
EKA	Eskdalemuir Ar 146.16 352 PKPb				06 13 33.4	-0.6	
GERES	GERES Array B 146.85 330 PKPb				06 13 37.3	+1.9	

IDD 01 05:57:15.4,3.7,21.25S;168.92E,h0km,mb3.3/2, mbtmp3.3/3,ML3.2/1, Error ellipse: s-maj=102.7km s-min=48.5km az=145.0, Loyalty Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
DZM	Mont Dzumac 2.44 250 Pn				05 57 56.4	-0.2	
WRA	Warramunga Arr 32.36 266 P				06 03 46.1	-0.7	
ASAR	Alice Springs 32.40 259 P				06 03 47.9	+0.7	
GERES	GERES Array B 146.89 330 PKPb				06 16 56.6	0.0	

GUC 01 05:57:42.3,0.7,30.77S;71.37W,h42km,2km,ML4.1

NEIC 01 05:57:43.9,2.1,30.71S;0.03x71.56W;0.09,h43km,13km, mb4.2/5,ML4.1(GUC), Error ellipse: s-maj=12.1km s-min=2.2km az=105.0

IDD 01 05:57:43.9,0.8,30.73S;71.54W,h50km,7km,mb4.0/7, mbtmp4.0/12, Error ellipse: s-maj=16.8km s-min=11.5km az=32.0

ISC 01 05:57:43.6,0.6,30.73S;0.03x71.50W;0.05,h45km,5km, n78,-1526/95,mb1.2/9,Near coast of central Chile

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
CO06	Fray Jorge 1.03 295 Op				05 57 50.8	-0.3	
CO06	Fray Jorge 1.03 295 eP				05 57 50.9	-0.1	
CO06	Fray Jorge 1.03 295 iS				05 57 56.7	+0.4	
CO06	Fray Jorge 1.03 295 IAML				05 57 58.9		
CO03	El Pedregal 0.70 99 Pn				05 57 56.3	-1.0	
CO03	El Pedregal 0.70 99 P				05 57 56.4	-1.0	
CO03	El Pedregal 0.70 99 P				05 58 05.2	-2.0	
GO04	Tololo Observa 0.82 48 Pn				05 57 58.7	-0.4	
GO04	Tololo Observa 0.82 48 eP				05 57 58.3	-0.7	
GO04	Tololo Observa 0.82 48 iS				05 58 10.1	-0.1	
GO04	Tololo Observa 0.82 48 IAML				05 58 17.6		
CO05	La Serena 0.84 16 Pn				05 57 59.1	+0.1	
CO05	La Serena 0.84 16 P				05 57 59.1	+0.1	
CO05	La Serena 0.84 16 iS				05 58 05.5	-0.8	
CO05	La Serena 0.84 16 IAML				05 58 16.8		
CO01	Juntas del Tor 1.43 59 Pn				05 58 07.8	+0.5	
CO01	Juntas del Tor 1.43 59 P				05 58 07.8	+0.5	
CO01	Juntas del Tor 1.43 59 iS				05 58 26.1	+1.1	
LCO	Las Campanas 1.85 22 Pn				05 58 13.6	+0.5	
LCO	Las Campanas 1.85 22 P				05 58 13.6	+0.5	
LCO	Las Campanas 1.85 22 iS				05 58 36.8	+1.4	
AC05	El Transito 2.17 30 Pn				05 58 18.8	+1.5	
AC05	El Transito 2.17 30 P				05 58 18.8	+1.5	
AC05	El Transito 2.17 30 iS				05 58 46.2	+3.2	
AC05	El Transito 2.17 30 IAML				05 58 49.4		
VA03	San Esteban 2.18 159 Pn				05 58 18.0	+0.5	
VA03	San Esteban 2.18 159 P				05 58 17.9	+0.3	
VA03	San Esteban 2.18 159 eP				05 58 17.9	+0.3	
ROCH	El Roble 2.27 170 Pn				05 58 19.0	+1.0	
ROCH	El Roble 2.27 170 P				05 58 48.1	+2.3	
ROCH	El Roble 2.27 170 iS				05 59 02.8		
ROCH	El Roble 2.27 170 IAML				05 59 19.8	+0.8	
VA01	Torpederas 2.29 183 Pn				05 58 17.9	-0.9	
VA01	Torpederas 2.29 183 P				05 58 18.0	-0.9	
PEL	Peidhueu 2.50 164 eP				05 58 22.1	+0.2	
PEL	Peidhueu 2.50 164 P				05 58 23.0	+1.5	
PEL	Peidhueu 2.50 164 iS				05 59 06.5		
MT02	Curacav 2.54 173 Pn				05 58 22.2	-0.1	
AC04	Llanos de Chal 2.54 8 Pn				05 58 23.1	+0.7	
AC04	Llanos de Chal 2.54 8 P				05 58 23.0	+0.6	
AC04	Llanos de Chal 2.54 8 iS				05 58 55.5	+3.4	
AC04	Llanos de Chal 2.54 8 IAML				05 59 06.5		
ZON	Zonda 2.55 109 Pn				05 58 24.3	+1.7	
MT10	Hacienda Santa 2.66 162 P				05 58 27.2	+1.9	
MT10	Hacienda Santa 2.66 162 P				05 59 11.7		
MT05	Renca 2.73 167 Pn				05 58 25.5	+0.4	
MT05	Renca 2.73 167 P				05 58 25.4	+0.4	
MT05	Renca 2.73 167 iS				05 59 12.8		
MT14	Cerro Calin 2.78 163 eP				05 58 26.0	+0.3	
MT14	Cerro Calin 2.78 163 P				05 59 18.0		
FCH	Farellones 2.79 159 eP				05 58 26.7	+0.7	
FCH	Farellones 2.79 159 P				05 59 08.0	+2.3	
MT03	Universidad Ad 2.88 163 Pn				05 58 27.9	+0.8	
MT04	Ro Olivares 2.91 157 eP				05 58 28.5	+0.9	
MT04	Ro Olivares 2.91 157 P				05 59 03.9	+2.3	
MT04	Ro Olivares 2.91 157 iS				05 59 10.5		
MT04	Ro Olivares 2.91 157 IAML				05 59 24.6		
VA05	Santo Domingo 2.92 182 P				05 58 26.5	-1.0	
CFA	Coronel Finton 2.93 108 Pn				05 58 29.6	+1.9	
CFA	comp=E,181m,0.3s,baz=297,slow=13,SNR=379				05 59 04.3	+2.6	
MT08	Bocatom Ro 2.98 156 Pn				05 58 30.7	+2.0	
MT08	Bocatom Ro 2.98 156 P				05 59 31.3	+2.7	
MT08	Bocatom Ro 2.98 156 iS				05 59 41.7	+2.3	
MT08	Bocatom Ro 2.98 156 IAML				05 59 24.6		
MT09	Talagante 3.07 172 Pn				05 58 29.4	-0.3	

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
MT09							

ILAR Eielson Array 92.72 17 P P 06 13 35.1 +0.1
EKA Eskdalemuir Ar 146.10 352 PKPbc
GERES GERESE Array B 146.79 330 PKPbc

ANF 01 06:12:58.5+0.2, 33.384N, 117.827W, h6km, 2km, ML2.3/25, Error ellipse: s-maj=1.7km s-min=1.4km az=31.0, Southern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC. Rows include FMP, BFSC, MURC, DECC, CIS, BBRO, BBRC, EDW2, EDW2, OSI, 109C, 109C, 109C, PFO, TPFO, RRX, RRX, MONP2, MONP2, BELC, BELC, ARVC, ARVC, HEC, HEC, LRM, LRM, GSC, GSC, IKP, IKP, ISA, ISAW, SWSC, SWSC, GMRC, GMRC, TMC, TMC, MPMC, MPMC, IRM, IRM.

NOU 01 06:20:48.0, 22.133S, 169.61E, h0km, MLv4.9/11, Southeast of Loyalty Islands
IDC 01 06:20:50.5, 0.6, 21.96S, 169.39E, h0km, mb4.4/14, mbtmp3.4/15, ML4.0/1, MS3.5/3, Error ellipse: s-maj=20.0km s-min=18.3km az=77.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC. Rows include MARNC, PINNC, PINNC, YATNC, LIFNC, OUENC, OUENC, DZM, DZM, DZM, DZM, DZM, DZM, DZM, DZM, ONTNC, ONTNC, NOUC, RTV, KOUNC, KOUNC, MSVF, EIDS, ARMA, CTA, CTA, CTA, CRVT, PMG, PMG, COEN, COEN.

STKA Stephens Creek 26.47 242 P P 06 26 31.4 +1.4
AS31 Alice Springs 32.54 260 P P 06 27 23.8 -0.4
ASAR Alice Springs 32.54 260 P P 06 27 23.5 -0.7
ASAR Alice Springs 32.54 260 P P 06 27 24.4 +0.2

WBA2 Warramunga Arr 32.58 267 P P 06 27 23.5 -0.9
WRA Warramunga Arr 32.59 267 P P 06 27 23.6 -1.0
WRA Warramunga Arr 32.59 267 P P 06 27 24.2 -0.4

MAW Mawson 75.92 202 P P 06 32 39.9 +0.7
CMAR Chinai Mt Arr 79.61 295 P P 06 33 01.9 +1.3
TROLL Troll, Antarti 85.83 184 P P 06 33 32.1 -0.1
SNAAS Snares 86.45 183 P P 06 33 34.9 -0.4

IDC 01 06:27:27.4, 4.1, 22.08S, 169.11E, h0km, mb3.3/2, mbtmp3.5/3, ML3.6/1, Error ellipse: s-maj=193.3km s-min=44.8km az=162.0, Southeast of Loyalty Islands

DZM Mont Dzumac 2.48 270 P P 06 28 08.0 -1.0
DZM Mont Dzumac 2.51 243 P P 06 28 16.5 +0.6
DZM Mont Dzumac 2.51 243 P P 06 28 16.5 +0.6
WRA Warramunga Arr 32.33 266 P P 06 27 23.5 -0.9

GVZ Greta Valley S 0.48 121 P P 06 50 34.3 +0.7
QXZ Oxford 0.68 207 P P 06 50 37.8 +0.8
INZ Inchbonnie 0.75 270 P P 06 50 39.1 -0.5
KHZ Kahutara 0.85 69 P P 06 50 34.6 -4.9

IDC 01 07:02:27.1, 5.4, 21.35S, 168.99E, h0km, mb3.4/3, mbtmp3.4/3, ML3.0/1, Error ellipse: s-maj=415.4km s-min=37.7km az=161.0, Loyalty Islands

WRA Warramunga Arr 32.42 266 P P 06 27 23.5 -0.9
ASAR Alice Springs 32.45 259 P P 06 27 23.5 -0.9
NVAR Mina Array Bea 90.37 49 P P 07 15 30.6 0.0

IDC 01 07:09:49.0, 3.4, 21.33S, 168.60E, h0km, mb3.3/3, mbtmp3.3/4, ML3.0/1, Error ellipse: s-maj=225.5km s-min=27.8km az=156.0, Loyalty Islands

DZM Mont Dzumac 1.93 220 P P 07 12 14.9 -0.6
DZM Mont Dzumac 2.22 260 P P 07 12 17.6 -0.4
WRA Warramunga Arr 31.36 265 P P 07 12 38.3 -0.2
ASAR Alice Springs 31.70 258 P P 07 12 39.6 -0.1

IDC 01 07:11:58.8, 4.0, 20.60S, 167.80E, h0km, mb3.3/2, mbtmp3.3/2, Error ellipse: s-maj=101.4km s-min=33.3km az=120.0, Loyalty Islands

DZM Mont Dzumac 1.93 220 P P 07 12 14.9 -0.6
DZM Mont Dzumac 2.22 260 P P 07 12 17.6 -0.4
WRA Warramunga Arr 31.36 265 P P 07 12 38.3 -0.2
ASAR Alice Springs 31.70 258 P P 07 12 39.6 -0.1

IDC 01 07:15:10.9, 0.8, 21.95S, 169.30E, h0km, mb4.0/4, mbtmp4.0/10, ML3.8/1, Error ellipse: s-maj=29.9km s-min=21.1km az=165.0, Southeast of Loyalty Islands

Table with columns: ILAR, Eielson Array, 92.72 17 P, P, 07 28 19.3 -1.0, etc. Includes stations like ESK, GERES, and various array configurations.

NOU 01 07:32:57.1, 21°61'S, 169°11'E, h0km, MLV3.97, Southeast of Loyalty Islands

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

ATH 01 07:44:41.8, 39°05'N, 21°63'E, h22km, 3km, ML1.6/3, Error ellipse: s-maj=5.0km s-min=2.1km az=136.0, Greece

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

ATH 01 07:45:26.1, 38°31'N, 22°09'E, h9km, 1km, ML1.5/6, Manual Solution by G.Panopoulos This location: 2019/12/30

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

IDC 01 07:50:52.3, 54°36'N, 86°82'E, h0km, mbmp2.8/2, ML2.6/2, Error ellipse: s-maj=30.6km s-min=18.2km az=53.0, Southwestern Siberia

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

IDC 01 07:51:56.0, 1.3, 4°44'S, 152°73'E, h97km, 8km, mb4.0/13, mbmp4.4/15, Error ellipse: s-maj=27.3km s-min=13.1km az=101.0

mb4.6/43, Error ellipse: s-maj=12.9km s-min=10.9km az=69.0

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

ISC 01 07:051:56.4, 0.5, 4.40S, 0:07:152:70E, 0:09, h100km, n82, 137R/85, mb4.6/34, New Britain region

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

ISC 01 07:33:03.2, 1.4, 21°65'02, 168°8'E, 0:11, h29km, n13, 05R/13, mb3.4/3, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KNRA, AS31, ASAR, etc.

ISC 01 07:44:41.8, 39°05'N, 21°63'E, h22km, 3km, ML1.6/3, Error ellipse: s-maj=5.0km s-min=2.1km az=136.0, Greece

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

ISC 01 07:45:26.1, 38°31'N, 22°09'E, h9km, 1km, ML1.5/6, Manual Solution by G.Panopoulos This location: 2019/12/30

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

ISC 01 07:50:52.3, 54°36'N, 86°82'E, h0km, mbmp2.8/2, ML2.6/2, Error ellipse: s-maj=30.6km s-min=18.2km az=53.0, Southwestern Siberia

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

ISC 01 07:51:56.0, 1.3, 4°44'S, 152°73'E, h97km, 8km, mb4.0/13, mbmp4.4/15, Error ellipse: s-maj=27.3km s-min=13.1km az=101.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like V20K, R17K, N15K, etc.

ISC 01 07:51:56.2, 1.7, 4°37'S, 0:08:152:78E, 0:09, h97km, 5km, mb4.6/43, Error ellipse: s-maj=12.9km s-min=10.9km az=69.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like J25K, M27K, K29M, etc.

ISC 01 07:51:56.2, 1.7, 4°37'S, 0:08:152:78E, 0:09, h97km, 5km, mb4.6/43, Error ellipse: s-maj=12.9km s-min=10.9km az=69.0

comp=Z, 0.2nm, 0.5s, baz=256, slow=7.3, SNR=2.7 comp=Z, 0.2nm, 0.5s

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

NEIC 01 07:52:20.0, 1.6, 6°4'N, 0°1'x124.1'E, 0:11, h541km, 10km, mb4.3/58, Error ellipse: s-maj=17.4km s-min=12.1km az=46.0

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

ISC 01 07:52:20.2, 0.3, 6.31N, 0:05:124:07E, 0:09, h550km, n97, 05R/97, mb4.2/50, 1D, MINDANAO

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

ISC 01 07:52:20.2, 0.3, 6.31N, 0:05:124:07E, 0:09, h550km, n97, 05R/97, mb4.2/50, 1D, MINDANAO

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

ISC 01 07:52:20.2, 0.3, 6.31N, 0:05:124:07E, 0:09, h550km, n97, 05R/97, mb4.2/50, 1D, MINDANAO

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WBA, PSA00, PSA00, etc.

ISC 01 07:52:20.2, 0.3, 6.31N, 0:05:124:07E, 0:09, h550km, n97, 05R/97, mb4.2/50, 1D, MINDANAO

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

ISC 01 07:52:20.2, 0.3, 6.31N, 0:05:124:07E, 0:09, h550km, n97, 05R/97, mb4.2/50, 1D, MINDANAO

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSR5, AS31, ASAR, etc.

ISC 01 07:52:20.2, 0.3, 6.31N, 0:05:124:07E, 0:09, h550km, n97, 05R/97, mb4.2/50, 1D, MINDANAO

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

ISC 01 07:52:20.2, 0.3, 6.31N, 0:05:124:07E, 0:09, h550km, n97, 05R/97, mb4.2/50, 1D, MINDANAO

2017 NOV

1d 8h

Table with columns: ARU, Arti, 71.35 328 P, Iamb, P, 08 02 43.8 -0.8, 08 02 45.1, 08 02 44.3 -0.3, 08 03 14.4 -0.1, 08 03 42.2, 08 03 38.0 -0.1, 08 03 40.5, 08 03 50.8, 08 03 58.2, 08 03 41.3 -0.7, 08 03 45.0, 08 03 45.3, 08 03 43.6 +0.1, 08 03 45.3, 08 03 44.2 0.0, 08 03 55.9, 08 03 47.2, 08 03 49.3, 08 03 47.4 +0.5, 08 03 49.5, 08 03 49.1, 08 03 59.6, 08 03 57.1, 08 03 50.9, 08 03 51.6 -0.7, 08 03 58.8 +0.2, 08 04 00.5, 08 04 02.8 -0.7, 08 04 04.3 -0.4, 08 04 05.2 -0.3, 08 04 08.0, 08 04 07.4 -0.2, 08 04 05.7 -0.3, 08 04 11.2 +0.6, 08 04 12.2 -0.9, 08 04 12.3 -1.0, 08 10 08.2 -0.6, 08 10 52.8 +0.1

WEL 01 08:01:54.6,38'S;167.77'E;h5km,4km,M2.5/12, ML2.9/12,MLV2.5/12,Error ellipse: s-maj=0.0km s-min=0.0km az=145.1,confirmed,Off east coast of North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, WSRZ White Island S, 0.14 301 P, Sg, 08 01 58.4 +0.9, HAZ Te Kaha, 0.39 115 P, Sg, 08 02 02.8 +0.7, RUGZ Raukumara Rang, 0.65 144 P, P, 08 02 04.6 -0.6, MARZ Manawhara, 0.46 233 P, P, 08 02 08.5 +0.1, PKGZ Pakihoro, 0.66 117 P, P, 08 02 07.6 +0.4, URUZ Urewera, 0.69 195 P, P, 08 02 09.0 0.0, MWZ Matawai, 0.76 168 P, P, 08 02 10.3 0.0, TWGZ Tauwhareparae, 1.32 197 P, P, 08 02 11.2 +0.6, PUZ Puketiti, 0.88 123 P, P, 08 02 12.9 -0.6, WMGZ Waioamatatini S, 0.89 105 P, P, 08 02 13.3 -0.4, RAGZ Rawiri, 0.91 176 P, P, 08 02 13.3 +0.5, TKGZ Te Karaka, 0.94 154 P, P, 08 02 14.6 +0.2, MUGZ Murupara, 0.99 206 P, P, 08 02 14.8 +0.1, RTZ Ruatahunu, 1.06 195 P, P, 08 02 15.3 -0.3, RTZ Ruatahunu, 1.06 195 P, P, 08 02 15.4 0.0, CNGZ Carnagh Station, 1.13 142 P, P, 08 02 19.2 +2.2, RIGZ Rimuhau, 1.16 163 P, P, 08 02 19.1 +1.6, SNGZ Shannou Station, 1.19 180 P, P, 08 02 17.9 +0.1, MTHZ Maungataniwha, 1.32 197 P, P, 08 02 20.7 +0.8, RAHZ Aarahi, 1.34 188 P, P, 08 02 22.7 +2.5, PRGZ Paritu Road, 1.45 169 P, P, 08 02 24.4 +3.0, KNZ Kokohu, 1.45 169 P, P, 08 02 25.0 +2.6, NMHZ Naumai, 1.56 195 P, P, 08 02 26.5 +2.0, BKZ Black Stump Fm, 1.71 203 P, P, 08 02 27.2 0.0, KWHZ Kaweka Forest, 1.96 211 P, P, 08 02 30.7 +0.2, OTVZ Otutere, 2.04 219 P, P, 08 02 33.4 -0.4

FUNUV 01 08:03:51.8, 10°39N, 170°28W, h1km, MW3.5 ISC 01 08:03:51.0, 1.7, 10.44N, 0.06, 70.28W, 0.04, h7km, 11km, n28, 0.999/35, 2, Veneduela

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, CURV Curarigua, 0.53 144, P, Sg, 08 04 01.3 0.0, CURV Curarigua, 0.53 144, P, Sg, 08 04 08.0 -0.2, TEVP Terepaima, 1.17 114, P, Sg, 08 04 14.0 +0.2, TEVP Terepaima, 1.17 114, P, Sg, 08 04 29.6 -0.4, SANV Sanarito, 1.19 142, P, Sg, 08 04 13.6 -0.2, SDV Santo Domingo, 1.59 193, P, Sg, 08 04 29.5 0.0, SDV Santo Domingo, 1.59 193, P, Sg, 08 04 19.4 -0.3, SDV Santo Domingo, 1.59 193, P, Sg, 08 04 39.0 -1.4, SDV Santo Domingo, 1.59 193, P, Sg, 08 04 54.8 0.0, SOCV Socops, 2.22 195, P, Sg, 08 04 29.0 +0.8, SOCV Socops, 2.22 195, P, Sg, 08 04 56.2 +0.3, MCQV Machiques, 2.25 260, P, Sg, 08 04 28.9 +0.2, MCQV Machiques, 2.25 260, P, Sg, 08 04 58.2 +1.5, TURV Turrijo, 2.40 90, P, Sg, 08 04 30.2 -0.4, CRUC Cerrejón, Guaj, 2.62 283, P, Sg, 08 04 33.4 -0.4, CRUC Cerrejón, Guaj, 2.62 283, P, Sg, 08 04 47.7 +1.2, BAUV El Baul, 2.66 124, P, Sg, 08 04 35.1 +0.8, BAUV El Baul, 2.66 124, P, Sg, 08 05 05.8 -1.0, BENC Beln, 2.68 100, P, Sg, 08 04 35.7 +1.1, TACV Tcata, 3.22 95, P, Sg, 08 04 43.0 +1.1, CAPV Capacho, 3.45 264, P, Sg, 08 04 43.1 +0.5, FUNV FUNVISIA, 3.47 89, P, Sg, 08 04 45.7 +1.0, PAMC Pamplona, Colo, 3.90 218, P, Sg, 08 05 37.9 -0.2, TAMC Tame, Arauca, 4.25 201, P, Sg, 08 05 48.2 +2.1, CACV CAICARA DEL OR, 4.67 127, P, Sg, 08 05 08.2 -5.1, BARC Barichara, 4.78 217, P, Sg, 08 06 00.3 +0.9, SJCRC San Jacinto, C, 4.85 264, P, Sg, 08 05 04.7 +1.2, RUSC La Rusia, 5.30 212, P, Sg, 08 05 11.6 +0.5, PTBC PUERTO BERRIO, 5.67 227, P, Sg, 08 06 19.8 -1.2, UREC San Jos de Ur, 5.84 243, P, Sg, 08 05 19.0 +1.1, SPBC San Pablo de B, 6.06 219, P, Sg, 08 05 22.1 +1.0, PTGC Puerto Gaitan, 6.47 197, P, Sg, 08 05 38.8 -2.1, NORC Norcasia, 6.62 223, P, Sg, 08 05 27.9 +1.2, GUYCZ Guyana, Caldas, 7.23 225, P, Sg, 08 05 37.6 +0.1, PRAC Prado, 8.10 215, P, Sg, 08 05 48.8 -0.3, ORTC Ortega, Tolima, 8.15 218, P, Sg, 08 05 50.4 +0.7, MACC Macarena, Meta, 8.97 203, P, Sg, 08 05 59.6 -1.4

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, PMG Port Moresby, 3.31 196 P, Sg, 08 11 17.8 +1.9, PMG Port Moresby, 3.31 196 P, Sg, 08 11 57.1 +0.1, WRA Warramunga Arr, 19.09 223 P, Pn, 08 14 44.7 -0.3, ASAR Alice Springs, 22.07 217 P, P, 08 15 20.1 -0.6, DAV Davao City (W), 26.03 300 LR LR, 08 27 49.2, MKAR Makanchi Array, 78.33 206 P, P, 08 22 25.8 -0.3

IDC 01 08:13:50.6, 2.1, 24.36S, 179.98E, h514km, 21km, mb3.2/12, mbtmp4.1/14, Error ellipse: s-maj=16.7km s-min=15.6km az=51.0

ISC 01 08:13:50.6, 0.6, 24.42S, 0.09, 179.91E, 0.10, h517km, n27, 0.151/32, mb3.6/14, 4d, South of Fiji Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, DZM Dont Muzmac, 12.60 278 P, Sg, 08 16 37.7 +2.2, URUZ Urewera, 14.00 189 P, P, 08 16 49.3 -0.6, URUZ Urewera, 14.00 189 P, P, 08 19 16.3 -1.4, CTA Charters Tower, 31.40 271 P, P, 08 19 30.4 +1.2, STKA Stephens Creek, 34.45 249 P, P, 08 19 56.0 +1.1, ASAR Alice Springs, 41.87 261 P, P, 08 20 55.9 +0.4, ASAR Alice Springs, 41.87 261 P, P, 08 25 40.5 +0.2, ASAR Alice Springs, 41.87 261 P, P, 08 26 34.4 -1.6, WRA Warramunga Arr, 42.29 267 P, P, 08 20 58.5 -0.2, WRA Warramunga Arr, 42.29 267 P, P, 08 25 44.1 +2.1, WRA Warramunga Arr, 42.29 267 P, P, 08 25 36.8 -5.3, VANDA Vanda, 53.86 185 P, P, 08 22 25.6 +1.4, QSPA South Pole Qui, 65.67 180 P, P, 08 23 44.3 +1.0, MAW Mawson, 77.23 200 P, P, 08 24 51.3 +0.6, TROLL Troll, Antarti, 83.81 181 P, P, 08 25 25.1 0.0, SNAAS Snares, 84.15 179 P, P, 08 25 25.7 -0.9, SNAAS Snares, 84.15 179 P, P, 08 25 25.9 -0.8, VNA3 Neumayer Olymp, 84.36 177 P, P, 08 25 27.3 -0.3, VNA2 Neumayer-Watz, 84.38 178 P, P, 08 25 29.7 0.0, NVAR Mina Array Bea, 85.19 144 P, P, 08 25 33.5 +1.1, TXAR Lajitas Array, 90.78 58 P, P, 08 25 59.5 +0.8, ILAR Eielson Array, 92.56 14 P, P, 08 26 04.7 -1.2, PDAR Pinedale Array, 93.12 44 P, P, 08 26 07.9 -1.5, KURBB Kurchatov Arra, 115.56 316 PKP PKPdf, 08 31 32.4 -1.0, BVAR Boroyev Array, 120.77 318 PKP PKPdf, 08 31 42.6 -0.8, ARCS ARCESS Array B, 132.38 348 PKP PKPdf, 08 32 05.8 +0.7, FINES FINESS Array B, 138.91 341 PKP PKPpre, 08 32 09.7 0.0, FINES FINESS Array B, 138.91 341 PKP PKPpre, 08 32 18.3 -0.1, HFS Hagfors, 143.04 349 PKP PKPdf, 08 32 22.3 -2.5, RAGZ Malin Array Be, 145.36 327 PKPbc PKPdf, 08 32 29.9 +0.8, MMAL Mount Meron Ar, 147.83 294 PKPbc PKP, 08 32 38.8 -0.3, EKA Eskdalemuir Ar, 149.04 3 PKPbc PKPbc, 08 32 39.1 -0.7, TORD Torodi Ar, Bea, 168.66 189 PKP PKPdf, 08 32 57.8 -1.0, TORD Torodi Ar, Bea, 168.66 189 PKP PKPdf, 08 34 11.6 -0.5

SOME 01 08:18:13.3, 43°15N, 79°98E, h20km NNC 01 08:18:13.5, 0.7, 43.11N, 79°87E, h10km, 3km, mb3.5, mpv3.4, Error ellipse: s-maj=5.5km s-min=3.0km az=162.0 KRNET 01 08:18:15.8, 0.1, 43.18N, 79°87E, mb2.5 ISC 01 08:18:13.9, 1.2, 43.16N, 0.04, 79.85E, 0.03, h3km, 10km, n55, 0.858/81, 14C, 6d, Lake Issyk-Kul region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, SHLS Shalkode, 0.28 269 P, Sg, 08 18 18.3 -1.0, SHLS Shalkode, 0.28 269 P, Sg, 08 18 21.6 -1.4, SHLS Shalkode, 0.28 269 P, Sg, 08 18 18.3 -1.0, SHLS Shalkode, 0.28 269 P, Sg, 08 18 21.6 -1.4, PDGK Podgornoye, 0.31 302 P, Sg, 08 18 21.9 -0.2, PDGK Podgornoye, 0.31 302 P, Sg, 08 18 27.9 +0.3, PDGK Podgornoye, 0.31 302 P, Sg, 08 18 21.6 -0.5, PDGK Podgornoye, 0.31 302 P, Sg, 08 18 27.3 -0.3, KTMS Ketmen, 0.47 53 P, Sg, 08 18 23.0 +0.1, KTMS Ketmen, 0.47 53 P, Sg, 08 18 29.5 +0.6, KTMS Ketmen, 0.47 53 P, Sg, 08 18 23.0 +0.1, KTMS Ketmen, 0.47 53 P, Sg, 08 18 29.5 +0.6, UZB Uzynbulak, 0.60 269 P, Sg, 08 18 26.4 +0.9, UZB Uzynbulak, 0.60 269 P, Sg, 08 18 35.7 -0.4, UZB Uzynbulak, 0.60 269 P, Sg, 08 18 26.4 +0.9, UZB Uzynbulak, 0.60 269 P, Sg, 08 18 35.7 -0.4, KPKS Kokpek, 0.90 290 P, Sg, 08 18 31.7 +0.5, KPKS Kokpek, 0.90 290 P, Sg, 08 18 44.9 +0.2, KPKS Kokpek, 0.90 290 P, Sg, 08 18 31.7 +0.5, KPKS Kokpek, 0.90 290 P, Sg, 08 18 44.9 +0.2, ZHN Zhnishiske, 1.03 271 P, Sg, 08 18 33.8 +0.2, ZHN Zhnishiske, 1.03 271 P, Sg, 08 18 48.5 0.0, ZHN Zhnishiske, 1.03 271 P, Sg, 08 18 33.8 +0.2, ZHN Zhnishiske, 1.03 271 P, Sg, 08 18 48.5 0.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, SATY Saty, 1.06 265 P, Sg, 08 18 34.5 +0.3, SATY Saty, 1.06 265 P, Sg, 08 18 50.1 -1.0, SATY Saty, 1.06 265 P, Sg, 08 18 34.5 +0.3, SATY Saty, 1.06 265 P, Sg, 08 18 50.1 -1.0, DJR Jarkent, 1.17 358 P, P, 08 18 35.8 -1.0, DJR Jarkent, 1.17 358 P, P, 08 18 52.6 -1.1, DJR Jarkent, 1.17 358 P, P, 08 18 35.8 -1.0, DJR Jarkent, 1.17 358 P, P, 08 18 52.6 -1.1, PRZ Pzheval'sk, 1.26 238 P, P, 08 18 38.7 +0.6, PRZ Pzheval'sk, 1.26 238 P, P, 08 18 55.4 -0.8, KURS Kuram, 1.27 285 P, P, 08 18 38.1 -0.4, KURS Kuram, 1.27 285 P, P, 08 18 56.3 +0.3, KURS Kuram, 1.27 285 P, P, 08 18 38.1 -0.4, KURS Kuram, 1.27 285 P, P, 08 18 56.4 +0.3, KNOS Konyren, 1.29 338 P, P, 08 18 38.3 -0.6, KNOS Konyren, 1.29 338 P, P, 08 18 57.0 +0.2, BLB Baldybastay, 1.36 314 P, P, 08 18 39.6 -0.4, BLB Baldybastay, 1.36 314 P, P, 08 18 59.1 +1.5, ANVS Anan'yevov, 1.64 257 P, P, 08 18 45.3 +0.4, ANVS Anan'yevov, 1.64 257 P, P, 08 19 06.8 +0.7, ARXS Arhar'y, 1.80 306 P, P, 08 18 46.7 -0.9, ARXS Arhar'y, 1.80 306 P, P, 08 19 12.2 0.0, ARXS Arhar'y, 1.80 306 P, P, 08 18 47.5 0.0, ARXS Arhar'y, 1.80 306 P, P, 08 19 12.3 +0.6, KOTS Kotyrl'kay, 2.00 273 P, P, 08 18 51.0 0.0, KOTS Kotyrl'kay, 2.00 273 P, P, 08 19 18.6 0.0, KOTS Kotyrl'kay, 2.00 273 P, P, 08 18 50.2 -0.8, KOTS Kotyrl'kay, 2.00 273 P, P, 08 19 16.8 0.0, MDOK Medeo, 2.05 271 P, P, 08 18 51.3 -0.5, MDOK Medeo, 2.05 271 P, P, 08 19 19.0 0.0, MDOK Medeo, 2.05 271 P, P, 08 18 51.3 -0.5, MDOK Medeo, 2.05 271 P, P, 08 19 19.0 0.0, TARG Taragay, Kyrgyz, 2.08 227 P, P, 08 18 51.8 -0.7, TARG Taragay, Kyrgyz, 2.08 227 P, P, 08 19 18.2 -0.8, TDK Taldyqorgh'an, 2.11 331 P, P, 08 18 52.4 -0.3, TDK Taldyqorgh'an, 2.11 331 P, P, 08 19 20.9 0.0, TDK Taldyqorgh'an, 2.11 331 P, P, 08 18 52.4 -0.3, TDK Taldyqorgh'an, 2.11 331 P, P, 08 19 20.9 0.0, TNSS Tian-Shan, 2.13 268 P, P, 08 18 53.1 -0.2, TNSS Tian-Shan, 2.13 268 P, P, 08 19 22.4 0.0, CHHK Chushkaly, 2.19 289 P, P, 08 18 53.3 -0.9, CHHK Chushkaly, 2.19 289 P, P, 08 18 53.3 -0.9, CHHK Chushkaly, 2.19 289 P, P, 08 19 22.7 0.0, CHHK Chushkaly, 2.19 289 P, P, 08 19 22.7 0.0, KTBS Karabastay, 2.37 284 P, P, 08 18 57.0 -0.2, KTBS Karabastay, 2.37 284 P, P, 08 19 28.7 0.0, KTBS Karabastay, 2.37 284 P, P, 08 18 57.0 -0.2, KTBS Karabastay, 2.37 284 P, P, 08 19 28.7 0.0, MTBS Maibute, 2.50 270 P, P, 08 18 59.3 -0.2, MTBS Maibute, 2.50 270 P, P, 08 19 32.8 0.0, MTBS Maibute, 2.50 270 P, P, 08 18 59.3 -0.2, MTBS Maibute, 2.50 270 P, P, 08 19 32.8 0.0, KUU Kurty, 2.65 287 P, P, 08 19 01.2 -0.8, KUU Kurty, 2.65 287 P, P, 08 19 36.2 0.0, KUU Kurty, 2.65 287 P, P, 08 19 02.2 +0.2, KUU Kurty, 2.65 287 P, P, 08 19 37.4 0.0, KST Kastek, 2.85 269 P, P, 08 19 06.2 +0.8, KST Kastek, 2.85 269 P, P, 08 19 44.5 0.0, KST Kastek, 2.85 269 P, P, 08 19 04.9 -0.5, KST Kastek, 2.85 269 P, P, 08 19 42.0 0.0, BOOM Booms koyev usch, 2.95 258 P, P, 08 19 03.4 +1.6, BOOM Booms koyev usch, 2.95 258 P, P, 08 19 38.4 +0.6, DGS Degeres, 2.98 273 P, P, 08 19 07.4 -0.2, DGS Degeres, 2.98 273 P, P, 08 19 47.0 0.0, DGS Degeres, 2.98 273 P, P, 08 19 07.4 -0.2, DGS Degeres, 2.98 273 P, P, 08 19 47.0 0.0, KRBS Karabastay, 3.08 281 P, P, 08 19 09.1 -0.3, KRBS Karabastay, 3.08 281 P, P, 08 19 49.7 0.0, KRBS Karabastay, 3.08 281 P, P, 08 19 09.1 -0.3, KRBS Karabastay, 3.08 281 P, P, 08 19 49.7 0.0, TKM2 Tokmak 2, 3.12 267 P, P, 08 19 11.9 +1.7, TKM2 Tokmak 2, 3.12 267 P, P, 08 19 51.7 0.0, TKM2 Tokmak 2, 3.12 267 P, P, 08 19 06.2 +2.0, TKM2 Tokmak 2, 3.12 267 P, P, 08 19 42.7 +0.6, MAKZ Makanchi, 3.94 22 P, P, 08 19 15.6 +0.3, MAKZ Makanchi, 3.94 22 P, P, 08 20 17.1 0.0, MK31 Makanchi Array, 4.02 25 P, P, 08 19 16.3 -0.1, MK31 Makanchi Array, 4.02 25 P, P, 08 20 17.2 0.0, BTLS Baital, 4.58 296 P, P, 08 19 36.5 +1.7, BTLS Baital, 4.58 296 P, P, 08 20 36.3 0.0, BTLS Baital, 4.58 296 P, P, 08 19 38.0 +3.2, BTLS Baital, 4.58 296 P, P, 08 20 38.8 0.0

IDC 01 08:10:23.9, 3.5, 6.21S, -148.07E, h0km, mb3.3/2,

NEIC 01 08:46:19.3:1.7, 13.85N, 0.09:144.8E:0.1, h144km, mb4.8/69, Error ellipse: s-maj=20.0km s-min=13.0km az=93.0

BUJ 01 08:46:21.3:0.0, 13.09N:144.37E, h62km, mb4.8/15, mB5.1/10, Ms4.5, Ms7.4, 3/2

ISC 01 08:46:19.4:0.1, 13.82N:0.06:144.90E:0.1, h150km, n123, 0.99/125, mb4.7/58, 1C, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Contains station data for GUMO, KRVTS, SWI, FAKI, H11S3, H11S1, H11S2, H11N1, H11N2, H11N3, JUNU, PMG, MAJO, MAJO, MAJO, MAJO, COEN, KRSR, MTN, NJ2, NJ2, NJ2, NJ2, KNRA, CTAW, WBD, WBD, WR0, WR0, WRAB, WRAB, WRB, WRA, WRA, WRA, AS31, ASAR, ASAR, ASAR, ASAR, EIDS, HHC, HHC, KMI, CD2, PZH, PZH, MBWA, MBWA, MBWA, CMAR, CMAR, ARMA, ARMA, STKA, STKA, SONM, SONM, SONM, SONM, BBOO, BBOO, FORR, CAN, MORW, TOO, TOO, NWAO, NWAO, WMQ, QRZ, L14K, L14K, NNZ.

Table with columns: N15K, N15K, TCW, TUWZ, MKAR, MKAR, SNZO, BHW, L16K, L16K, RPZ, RPZ, RPZ, LBZ, LBZ, DCZ, O18K, O18K, F17K, KDAK, KURK, KURK, KURB, KURB, J19K, J19K, CNPM, C19K, SKT, SKT, CAST, CAST, IMAR, RCO1, RCO1, BPWA, TRF, TRF, PWL, PWL, MLY, MLY, SML, SML, RND, RND, D22K, D22K, G23K, CCB, H24K, IL31, IL31, ILAR, ILAR, ILAR, TOLK, TOLK, J25K, WRDI, WRDI, SCRK, ISLE, ISLE, BVAR, BVAR, BCAR, EGAG, G31M, G31M, ABKAR, BUCK, L04D, L04D, PINE, PINE, CASY, NEWP, PLID, NVAR, NVAR, NVAR, ARCES, ARCES, FINES, FINES, VNSA, VNSA, SNA, SNA, RIOS, RIOS, TORO, TORO, TORO, DBIC, DBIC, LPAZ, LPAZ.

ISC 01 08:51:25.0:1.1, 21.91S:169.20E, h0km, mb3.9/5, mbmp3.9/6, ML3.1/1, MS3.2/1, Error ellipse: s-maj=38.7km s-min=23.5km az=168.0

ISC 01 08:51:29.8:1.0, 21.95S:0.3:169.2E:0.1, h31km, m9, 0.50/9, mb4.0/5, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Contains station data for DZM, DZM, DZM, MSVF, MSVF, ASAR, ASAR, WRA, WRA, QSPA, QSPA, SONM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Contains station data for NVAR, NVAR, EKA, EKA, GERES, GERES, JMA, JMA, HWA, HWA, ETM, ETM, TWD, TWD, TWD, ETL, ETL, ETL, LXIB, LXIB, NACB, NACB, NACB, WARB, WARB, WARB, WARB, ETLH, ETLH, ETLH, WHF, WHF, WHF, OWD, OWD, OWD, HGSD, HGSD, CHGB, CHGB, WUSB, WUSB, WUSB, ENA, ENA, EWUT, EWUT, EWUT, TWT, TWT, NNSB, NNSB, NNSB, TDCB, TDCB, TDCB, YULB, YULB, ECBN, ECBN, EOSA, EOSA, EOSA, EYUL, EYUL, LATG, LATG, TWF1, TWF1, EOS3, EOS3, EOS3, NDT, NDT, NDT, EOS2, EOS2, TWC, TWC, TWC, NDS, NDS, ENT, ENT, ENT, WHP, WHP, WHP, FULB, FULB, FULB, WHYT, WHYT, WHYT, YHNB, YHNB, YHNB, TWE, TWE, TWE, TWE, NSK, NSK, NSK, CHKT, CHKT, CHKT, FUSB, FUSB, FUSB, ILA, ILA, ILA, EHD, EHD, EHD, NWLW, NWLW, NWLW, ALS, ALS, ALS, WNT, WNT, WNT, WNT, ELDT, ELDT, ELDT.

ELDTW	baz=215	eS	Sn	09 06 01.8	-0.4	
TCU	baz=215 Liyutan	0.94 299	eP	Sn	09 06 03.0 +0.7	
TWQ1	baz=297 Taichung	0.95 285	eP	Pn	09 05 49.2 -0.9	
TCU	baz=283	eS	Sb	09 06 04.0	+0.5	
NSST	baz=293 Nanjung	0.95 320	eP	Pn	09 05 50.9 +0.7	
NSST	baz=307 Enei	0.96 321	eP	S	Sn	09 06 03.2 +0.6
LIOB	baz=308 Tsaling	0.96 252	eP	Pn	09 05 51.1 +0.8	
LIOB	baz=244	eS	Sn	09 06 03.6	+0.9	
CHNS	baz=244	eS	Sb	09 06 04.4	+1.5	
EGS	baz=22	0.97 14	eS	Sn	09 06 05.5 +1.3	
EDH	baz=199 Donghe	0.98 200	eP	Pn	09 05 50.6 -0.1	
EDH	baz=199	eS	Sn	09 06 04.9	+1.5	
NMLH	baz=306 Miaoili	1.03 308	eS	Sn	09 06 05.7 +1.3	
WCHH	baz=289 Zhanghua	1.04 280	eP	Pn	09 05 52.7 +1.4	
WCHH	baz=289	S	Sb	09 06 07.1	+0.9	
WDJ	baz=294 Dajia District	1.05 295	eP	Pn	09 05 51.5 0.0	
WDJ	baz=294	eS	Sn	09 06 05.2	+0.3	
WDLH	baz=249 Douliu	1.06 259	eP	Pn	09 05 52.3 +0.6	
WDLH	baz=249	eS	Sb	09 06 08.8	+1.9	
NHHD	baz=353 Xindian Distri	1.07 353	eS	Sn	09 06 06.9 +1.5	
WCKO	baz=250 Fanlu	1.09 245	eP	Pn	09 05 53.1 +1.1	
WCKO	baz=250	eS	Sb	09 06 07.8	+0.3	
STYH	baz=229 Taoyuan	1.10 229	eP	Pn	09 05 52.6 +0.4	
STYH	baz=229	eS	Sn	09 06 07.1	+0.9	
LONT	baz=198 Longtian	1.11 207	eP	Pn	09 05 50.9 -1.5	
LONT	baz=198	eS	Sn	09 06 06.2	-0.3	
TPUB	baz=237 Ta-pu	1.13 238	P	Pn	09 05 53.6 +0.9	
TPUB	baz=237	S	Sb	09 06 08.8	+1.7	
CHN4	baz=233 Tsashan	1.14 241	eP	Pn	09 05 53.7 +1.0	
CHN4	baz=233	eS	Sb	09 06 09.0	+0.1	
TWB1	baz=24 Santiao Chiao	1.14 14	P	Pn	09 05 53.3 +0.5	
TWB1	baz=24	eS	Sb	09 06 09.5	+0.5	
NWF	baz=349 Wu-fen Shan	1.17 5	eP	Pn	09 05 53.4 +0.2	
NWF	baz=349	eS	Sn	09 06 09.1	+1.1	
WFSB	baz=349 Wu-fen Shan	1.17 5	eP	Pn	09 05 53.5 +0.4	
WFSB	baz=349	eS	Sn	09 06 09.1	+1.2	
WTP	baz=237 Ta-pu	1.17 236	eP	Pn	09 05 53.9 +0.6	
WTP	baz=237	eS	Sb	09 06 10.1	0.0	
WRL	baz=279 Guolierin Hig	1.19 270	eP	Pn	09 05 53.9 +0.4	
WRL	baz=279	eS	Sn	09 06 09.3	+0.9	
WTK	baz=259 Tuku	1.20 260	eP	Pn	09 05 54.5 +0.9	
WTK	baz=259	eS	Sn	09 06 10.5	+1.9	
SX11	baz=352 Grass Mountain	1.20 9	eP	Pn	09 05 55.2 +1.5	
SX11	baz=352	eS	Sb	09 06 11.6	+0.7	
TWG	baz=197 Pinlang	1.21 207	eP	Pn	09 05 52.0 -1.7	
TWG	baz=197	eS	Sn	09 06 07.1	-1.9	
TWGT	baz=197 Beinan	1.21 207	eP	Pn	09 05 51.9 -1.9	
TWGT	baz=197	eS	Sn	09 06 07.2	-1.7	
CHY	baz=251 Chiayi	1.22 251	eP	Pn	09 05 54.4 +0.6	
CHY	baz=251	eS	Sn	09 06 10.8	+1.7	
TWS1	baz=359 Kuangyinshan	1.22 349	eP	Pn	09 06 09.8 +0.7	
LDUT	baz=185 Ludao	1.24 189	eP	Pn	09 05 52.8 -1.3	
LDUT	baz=185	eS	Sn	09 06 08.4	-1.2	
TWK	baz=240 Hsiinying	1.26 240	eP	Pn	09 05 55.3 +0.8	
TWK	baz=240	eS	Sn	09 06 11.4	+1.1	
CHN1	baz=237 Nanshi	1.27 236	eP	Pn	09 05 55.3 +0.6	
CHN1	baz=237	eS	Sn	09 06 11.9	+1.3	
SNST	baz=239 Tainan City	1.28 238	eP	Pn	09 05 55.3 +0.6	
SNST	baz=239	eS	Sn	09 06 12.5	+1.9	
WTCT	baz=267 Ta-ch'eng	1.28 269	eS	Sn	09 06 12.5 +1.9	
JYNG	baz=223 Yonagunijimaku	1.28 64	P	Pn	09 05 54.8 +0.1	
JYNG	baz=223	S	Sb	09 06 10.6	0.0	
SGST	baz=223 Liugui	1.29 231	P	Pn	09 05 54.8 -0.1	
SGST	baz=223	S	Sb	09 06 12.5	+1.4	
SLGT	baz=226 Yonaguni jima	1.31 227	P	Pn	09 05 56.8 +1.7	
YOJ	baz=65 Yonaguni jima	1.34 65	P	Pn	09 05 55.5 0.0	
YOJ	baz=65	S	Sb	09 06 11.2	-0.9	
YOJ	baz=65	eS	Sn	09 05 55.5 0.0		
YOJ	baz=65	eS	Sn	09 06 11.4	-0.8	
WSF	baz=249 Szhu	1.36 259	eS	Sn	09 06 14.8 +2.2	
ICHU	baz=248 Yijhu	1.39 248	eP	Pn	09 05 56.9 +0.7	
ICHU	baz=248	eS	Sn	09 06 15.1	+1.8	
ECL	baz=201 Taimai	1.46 207	eS	Sn	09 06 13.4 -1.7	
SCST	baz=229 Cishan	1.48 227	eP	Pn	09 05 58.9 +1.4	
SCST	baz=229	eS	Sb	09 06 19.3	+0.5	
TSMG	baz=221 Majia	1.52 219	eP	Pn	09 05 59.4 +1.4	
TSMG	baz=221	eS	Sn	09 06 18.9	+2.3	
MASBT	baz=220 Mashibuluo	1.60 217	eP	Pn	09 05 59.7 +0.6	
MASBT	baz=220	eS	Sn	09 06 20.7	+2.1	
TSCK	baz=244 Chigu Township	1.64 243	eP	Pn	09 05 59.4 -0.3	
TSCK	baz=244	eS	Sn	09 06 20.4	+0.9	
TAWH	baz=203 Dawu Township	1.71 205	eP	Pn	09 05 59.5 -1.1	
TAWH	baz=203	eS	Sn	09 06 22.4	+1.0	
SCZT	baz=229 Fangliu	1.81 213	eP	Pn	09 06 02.8 +0.8	
SCZT	baz=229	eS	Sb	09 06 27.8	-0.2	

LAY	baz=229 Lan-yu	1.86 184	eP	Pn	09 06 01.3	-1.4
LAY	baz=179	eS	Sn	09 06 24.1	-0.8	
LYUB	baz=179 Lan-yu	1.89 183	eP	Pn	09 06 00.3	-2.8
LYUB	baz=179	eS	Sn	09 06 23.1	-2.7	
IRIF	baz=179 Iriomote-Funau	1.93 77	P	Pn	09 06 03.6	+0.1
IRIF	baz=179	eS	Sn	09 06 26.8	+0.2	
HATJ	baz=252 Hatsumura jima	1.95 85	S	Pn	09 06 27.3	0.0
WDGT	baz=252 Dunji	1.96 251	eP	Pn	09 06 03.7	-0.3
WDGT	baz=252	eS	Sn	09 06 27.3	-0.1	
PHUB	baz=270 Peng-hu	1.97 259	P	Pn	09 06 03.8	-0.4
PHUB	baz=270	eS	Sn	09 06 27.4	-0.2	
PNG	baz=261 Penghu	1.97 261	eP	Pn	09 06 07.3	-0.5
PNG	baz=261	eS	Sn	09 06 27.1	-0.7	
JKRS	baz=261 Kuro-shima	2.16 81	P	Pn	09 06 07.6	+0.8
JKRS	baz=261	S	Pn	09 06 33.5	+1.2	
VCHM	baz=253 Qimei	2.17 252	eP	Pn	09 06 06.6	-0.4
VCHM	baz=253	eS	Sn	09 06 32.3	-0.5	
JJJ	baz=253 Ishigaki jima	2.30 78	P	Pn	09 06 08.7	0.0
JJJ	baz=253	S	Pn	09 06 34.5	-1.4	
VWUC	baz=296 VWUC	2.30 299	eP	Pn	09 06 07.6	-1.1
VWUC	baz=296	S	Pn	09 06 33.1	-2.8	
JISG	baz=294 Ishigakijimahi	2.50 74	P	Pn	09 06 11.4	-0.1
JISG	baz=294	S	Pn	09 06 39.6	-1.2	
PTMZ	baz=294 Houxiangcun	2.59 296	eP	Pn	09 06 11.7	-1.1
PTMZ	baz=294	eS	Sn	09 06 39.9	-3.1	
MATB	baz=312 Ma-tsu	2.74 325	eP	Pn	09 06 13.6	-1.2
MATB	baz=312	eS	Sn	09 06 44.1	-2.5	
JTJ	baz=312 Tama	2.86 74	S	Pn	09 06 48.6	-1.0
KNMB	baz=279 Chin-men Tao	3.06 281	eS	Pn	09 06 50.8	-3.7
MHZO	baz=312 Yeshan	3.25 313	eP	Pn	09 06 20.5	-1.3
XPSS	baz=341 Dashi	3.30 336	eP	Pn	09 06 20.9	-1.6
XPSS	baz=341	eS	Sn	09 06 57.6	-2.9	
AXDP	baz=284 Jialang	3.52 287	eP	Pn	09 06 23.6	-2.0
AXDP	baz=284	eS	Sn	09 07 02.0	-4.0	

IDC 01 09:25:29.7.2.2.19'67S-174'34E, h0km, mb3.8/3, mbtmp3.9/5, ML4.8/2, Error ellipse: s-maj=136.3km s-min=28.1km az=156.0, Vanuatu Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
MSVF	Nonsavu	4.01	62	Pn	09 26 33.1	+0.5
DZM	Mont Dzumac	7.76	251	Pn	09 27 25.9	+1.8
STKA	Stephens Creek	31.77	241	P	09 31 56.7	+0.8
WRA	Warramunga Arr	37.57	263	P	09 32 45.7	-0.5
ASAR	Alice Springs	37.70	257	P	09 32 46.5	-0.7

IDC 01 09:28:52.0.0.6.21'90S-169'31E, h0km, mb4.2/17, mbtmp4.1/18, ML3.4/1, Error ellipse: s-maj=20.1km s-min=18.1km az=114.0

NEIC 01 09:28:55.7.2.1.21'98S:0'08-169'20E:0'04, h10km, 1km, mb4.3/14, Error ellipse: s-maj=13.0km s-min=7.0km az=169.0

ISC 01 09:28:54.2.0.5.21'33S:0'08-169'26E:0'06, h10km, n71, c0577/70, mb4.3/23, 3C, Southeast of Loyalty Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
MARNC	Mare, Loyalty	1.23	291	Pn	09 29 18.2	+0.7
PINNC	Pines Island,	1.81	248	Pn	09 29 25.2	-0.2
PINNC	LIFOU	2.20	301	Sb	09 29 49.1	-1.0
OUENC	Ouen Island, N	2.29	257	Pn	09 29 32.4	+0.3
DZM	Mont Dzumac	2.62	266	Pn	09 29 37.2	+0.4
DZM	Mont Dzumac	2.62	266	Pn	09 29 36.2	-0.4
DZM	64nm, 0.3s, baz=78, slow=20, SNR=5.9	2.8	260	Sn	09 30 07.0	-1.5
ONTNC	Ouen Toro	2.63	261	Pn	09 29 37.8	+1.2
KOUNC	Koumac, New Ca	4.84	286	Pn	09 30 07.5	+0.5
EIDCS	Eidivold	17.00	255	Pn	09 32 25.5	+0.3
MRZ	Mangatainoka R	19.43	165	Pn	09 33 22.9	+1.1
MRZ	comp=2.28nm, 1.1s	1.8	165	Iamb	09 33 33.3	
CTA	Charters Tower	21.55	271	P	09 33 44.5	+0.6
CTA	comp=2.1nm, 0.7s, baz=97, slow=15, SNR=2.2	21.55	271	P	09 33 44.5	+0.6
CTAO	Charters Tower	21.55	271	Iamb	09 33 45.1	+1.2
COEN	Coen	26.02	283	P	09 34 28.4	+1.2
COEN	comp=2.1nm, 1.1s	26.02	283	Iamb	09 34 57.4	
STKA	Stephens Creek	26.52	242	P	09 34 31.4	-0.6
STKA	comp=2.3nm, 1.1s, baz=100, slow=6.1, SNR=2.3	26.52	242	P	09 34 31.4	-0.6
WRO	Warramunga Arr	32.44	267	P	09 35 24.2	-0.6
WRO	comp=2.5nm, 1.1s	32.44	267	Iamb	09 35 43.0	
AS31	Alice Springs	32.59	260	P	09 35 26.6	+0.5
ASAR	Alice Springs	32.59	260	P	09 35 26.1	0.0
ASAR	Alice Springs	32.59	260	P	09 35 25.8	-0.3
ASAR	comp=2.2.4nm, 0.9s, baz=84, slow=8.9, SNR=15	32.59	260	PcP	09 38 11.9	-0.6
ASAR	comp=2.0.9nm, 1.0s, baz=101, slow=2.6, SNR=4.6	32.59	260	PcP	09 38 11.9	-0.6
WBO	Warramunga Arr	32.61	267	P	09 35 25.9	-0.5
WBO	comp=2.2.9nm, 0.9s	32.61	267	Iamb	09 35 39.9	
WB2	Warramunga Arr	32.62	267	P	09 35 25.4	-1.0
WB2	comp=2.5.6nm, 1.1s	32.62	267	Iamb	09 35 44.9	
WRA	Warramunga Arr	32.63	267	P	09 35 25.8	-0.7
WRA	comp=2.2.2nm, 1.0s, baz=96, slow=3.9, SNR=9.0	32.63	267	P	09 35 24.9	-1.6
MTN	Manton Dam	37.40	278	P	09 36 07.9	+0.3
MIBWA	Marble Bar	45.91	261	P	09 37 18.1	+0.8
VNDA	Vanda	55.76	192	Iamb	09 38 42.5	+1.7
VNDA	comp=2.1.9nm, 1.1s	55.76	192	P	09 38 30.9	+0.2
SBA	Scott Base	55.99	181	P	09 38 35.4	+3.0
CASY	Casey	57.68	204	P	09 38 44.0	-0.6
CASY	comp=2.3.0nm, 0.8s	57.68	204	Iamb	09 38 55.1	
MJAR	Matsushiro Arr	65.13	333	P	09 39 34.2	-1.1
MJAR	comp=2.1.7nm, 0.9s, baz=148, slow=6.4, SNR=2.5	65.13	333	P	09 39 34.2	-1.1
QSPA	South Pole Qui	68.14	180	P	09 39 53.4	-0.9
QSPA	comp=2.8.1nm, 1.0s, baz=4.6, slow=2.4, SNR=16	68.14	180	P	09 39 53.4	-0.9
KRSR	Korea Arr	70.73	326	P	09 40 10.3	-0.1
KRSR	comp=2.1.5nm, 0.7s, baz=141, slow=5.7, SNR=7.0	70.73	326	P	09 40 10.3	-0.1
PETK	Petropavlovsk-	75.39	353	P	09 40 37.8	0.0
PETK	comp=2.7.2nm, 1.0s, baz=110, slow=13, SNR=2.4	75.39	353	P	09	

IOC 01 09:38:20.3,3.3,21.43Sx168.70E,h0km,mb3.7/3,
mbtmp3.8/4,ML3.9/1,Error ellipse: s-maj=197.3km
s-min=26.1km az=157.0, Loyalty Islands
 Code Station Name Δ° AZ $^\circ$ Phase ID Op ISC Time Res
 h m s ISC
DZM Mont Dzumac 2.19 253 Pn 09 38 57.5 +0.7
 34nm,0.3s,baz=102,slow=20,SNR=6.6
DZM 69nm,0.3s,baz=323,slow=19,SNR=2.7
 110nm,0.3s
WRA Warramunga Arr 32.15 266 P 09 44 49.0 -0.9
 0.4nm,0.5s,baz=95,slow=8.2,SNR=1.8
 0.4nm,0.5s
ASAR Alice Springs 32.17 259 P 09 44 50.6 +0.5
 0.8nm,0.6s,baz=92,slow=9.2,SNR=2.6
 0.8nm,0.6s
NVAR Mina Array Bea 90.62 49 P 09 51 24.9 -0.1
 0.3nm,0.6s,baz=225,slow=3.3,SNR=3.8
 0.3nm,0.6s
GERES GERS Array B 146.15 330 PKPbc 09 58 02.2 -0.4
 1.4nm,0.7s,baz=30,slow=2.6,SNR=2.8

TAP 01 09:38:28.6,24.68N,122.47E,h12km,ML3.0,C
JMA 01 09:38:28.9,0.1,24.6N,0.7,122.5E,0.3,h1km,1km,
MV2 0/13,NW OFF ISHIGAKIJIMA IS
ISC 01 09:38:28.3,0.9,24.66N,0.03,122.51E,0.02,h17km,8km,
n62,c052/107,2C-2D,Taiwan region

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Op	ISC	Time	Res
							h m s	ISC
EOS2	EOS2	0.34	227	Op	P	Sb	09 38 36.7	+0.8
EOS2	baz=221							
EOS2	baz=221							
EOS3	EOS3	0.41	205	Op	P	Pb	09 38 37.8	+0.8
EOS3	baz=209							
YJNG	Yonagunijimaku	0.45	117	P	Pg	Sb	09 38 37.5	+0.1
YJNG	Yonagunijimaku	0.45	117	P	Pg	Sb	09 38 43.4	-0.1
YOJ	Yonaguni jima	0.50	113	P	Pg	Sb	09 38 38.6	-0.1
YOJ	Yonaguni jima	0.50	113	P	Pg	Sb	09 38 38.4	0.0
YOJ	Yonaguni jima	0.50	113	P	Pg	Sb	09 38 45.0	-0.1
YOJ	Yonaguni jima	0.50	113	P	Pg	Sb	09 38 38.3	0.0
YOJ	baz=106							
EGS	baz=276	0.56	290	Op	P	Pb	09 38 39.7	+0.1
EOS4	EOS4	0.56	198	Op	P	Pn	09 38 40.4	-0.8
EOS4	baz=186							
TWB1	Santiao Chiao	0.59	307	Op	P	Pb	09 38 40.2	0.0
TWB1	baz=306							
TWC	Suao	0.60	266	Op	P	Pb	09 38 40.1	-0.3
TWC	baz=262							
EWUT	Wuta	0.69	253	Op	P	Pg	09 38 42.5	+0.6
EWUT	baz=250							
EWUT	baz=250							
NDS	Dongshan	0.72	268	Op	P	Pn	09 38 43.4	-0.3
NDS	baz=257							
SKX1	Grass Mountain	0.72	308	Op	P	Pg	09 38 42.8	+0.3
SKX1	baz=306							
ENA	Nanau	0.73	252	Op	P	Pb	09 38 42.2	-0.5
ENA	baz=249							
ENA	baz=249							
TWE	Neicheng	0.77	275	Op	P	Pg	09 38 43.4	+0.1
TWE	baz=264							
TWE	baz=264							
NWF	Wu-fen Shan	0.78	302	Op	P	Pg	09 38 43.9	+0.3
NWF	baz=301							
NWF	baz=301							
WFSB	Wu-fen Shan	0.78	302	Op	P	Pg	09 38 44.0	+0.4
WFSB	baz=301							
WFSB	baz=301							
TNOU	National Taiwa	0.83	307	Op	P	Pb	09 38 44.3	0.0
TNOU	baz=305							
TNOU	baz=305							
FUSB	Fushanzhiwuyua	0.84	277	Op	P	Pg	09 38 45.0	+0.3
FUSB	baz=275							
FUSB	baz=275							
ENTT	Nioudou	0.85	269	Op	P	Pn	09 38 45.5	-0.1
ENTT	baz=259							
ENTT	baz=259							
LATG	Datong	0.90	263	Op	P	Pn	09 38 46.4	+0.1
LATG	baz=260							
LATG	baz=260							
NDT	Datong Townshi	0.91	267	Op	P	Pn	09 38 46.5	+0.2
NDT	baz=264							
NDT	baz=264							
NWLT	Wulai	0.92	278	Op	P	Pn	09 38 46.9	+0.3
NWLT	baz=275							
NWLT	baz=275							
NHHD	Xindian Distri	0.94	289	Op	P	Pg	09 38 46.9	+0.2
NHHD	baz=287							
NHHD	baz=287							
ETL	Fush Village	0.94	239	Op	P	Pb	09 38 45.1	-1.2
ETL	baz=244							
ETL	baz=244							
NACB	Ninganchiao	0.96	240	P	Pn	Pn	09 38 46.9	-0.1
NACB	Ninganchiao	0.96	240	P	Pn	Pn	09 38 47.0	+0.1
NACB	baz=237							
NACB	baz=237							
TATO	Taipei	0.98	289	P	Pb	Pb	09 38 46.2	-0.7
YMO1	YMO1	0.98	300	Op	P	Sb	09 38 47.0	0.0
YMO1	baz=298							
YMO1	baz=298							
YMO8	YMO8	0.99	303	Op	P	Pb	09 38 46.9	-0.1
YMO8	baz=301							
YMO8	baz=301							
YHNB	Yeheng	1.03	271	P	Pg	Pb	09 38 48.6	+0.3
YHNB	Yeheng	1.03	271	P	Pg	Pb	09 38 48.3	0.0
YHNB	baz=269							
YHNB	baz=269							
TWY	Chenhuia	1.03	307	Op	P	Pg	09 38 49.2	+1.0
TWY	baz=306							
TWY	baz=306							
ETLH	Xiulin Townshi	1.03	245	Op	P	Pg	09 38 48.6	+0.1
ETLH	baz=251							
ETLH	baz=251							
NSK	Sanguang	1.04	271	Op	P	Pb	09 38 48.6	0.0
NSK	baz=269							
NSK	baz=269							
NNSB	Datong	1.05	258	Op	P	Pg	09 38 48.6	-0.1
NNSB	baz=255							
NNSB	baz=255							
NNS	Nan Shan	1.05	259	Op	P	Pg	09 38 49.2	+0.4
NNS	baz=256							
NNS	baz=256							
IRIF	Iriomote-Funau	1.16	106	P	Pb	Pb	09 38 50.1	+0.2
IRIF	IRIF	1.18	238	Op	P	Sn	09 39 05.5	+0.2
IRIF	IRIF	1.18	238	Op	P	Sn	09 38 51.5	+0.3
IRIF	IRIF	1.18	238	Op	P	Sn	09 38 51.5	+0.3
LXIB	Hehuan Shan	1.24	246	Op	P	Sg	09 39 07.0	+0.4
LXIB	baz=235							
LXIB	baz=235							
WHF	Hehuan Shan	1.24	246	Op	P	Sg	09 38 53.0	+0.6

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Op	ISC	Time	Res
							h m s	ISC
WHF	baz=252						09 39 09.2	+0.5
NFF	Wufeng Townshi	1.26	269	Op	P	Pg	09 38 52.5	-0.3
NFF	baz=257							
NFF	baz=257							
HATJ	Hateruma jima	1.33	116	S	Pg	Sg	09 39 11.4	+0.2
CHGB	Renai	1.35	244	Op	P	Pg	09 38 54.7	+0.3
CHGB	baz=249							
CHGB	baz=249							
LIOB	Emei	1.36	270	Op	P	Pg	09 38 54.6	+0.1
LIOB	baz=286							
NSTT	Nanjiang	1.37	269	Op	P	Pg	09 38 55.0	+0.2
NSTT	baz=267							
NSTT	baz=267							
WARBT	Fenglin Townsh	1.38	228	Op	P	Pb	09 38 53.5	-0.3
WARBT	baz=226							
WARBT	baz=226							
WUSB	Renai	1.43	243	Op	P	Pg	09 38 55.9	0.0
WUSB	baz=247							
WUSB	baz=247							
JKRS	Kuro-shima	1.43	107	P	Pb	Pb	09 38 54.1	-0.5
JKRS	Kuro-shima	1.43	107	P	Pb	Pb	09 39 12.6	+0.1
WHP	Taichung City	1.47	256	Op	P	Pg	09 38 56.7	0.0
WHP	baz=262							
WHP	baz=262							
JJU	Ishigaki jima	1.52	101	P	Sb	Pb	09 38 56.1	0.0
JJU	Ishigaki jima	1.52	101	P	Sb	Pb	09 39 16.0	+0.9
JJU	Ishigaki jima	1.52	101	P	Sb	Pb	09 38 57.1	+0.8
WVDT	WVDT	1.54	235	Op	P	Pb	09 38 57.1	+0.8
WVDT	baz=232							
WVDT	baz=232							
WCS	Beigang Elemen	1.57	248	Op	P	Pg	09 38 59.3	+0.7
WCS	baz=215							
JISG	Ishigakijimahi	1.64	92	P	Pb	Pb	09 38 58.4	+0.1
JISG	Ishigakijimahi	1.64	92	P	Pb	Pb	09 39 21.1	-0.2
JISG	Ishigakijimahi	1.64	92	P	Pb	Pb	09 38 59.5	-0.8
SSLB	Suanguang	1.66	239	P	Pg	Pg	09 38 59.1	+0.7
SSLB	Suanguang	1.66	239	P	Pg	Pg	09 38 59.1	+0.7
SSLB	Suanguang	1.66	239	P	Pg	Pg	09 38 59.1	+0.7
YULB	Yu-li	1.67	222	P	Pb	Pb	09 38 58.9	+0.2
YULB	Yu-li	1.67	222	P	Pb	Pb	09 38 57.5	+0.6
YULB	Yu-li	1.67	222	P	Pb	Pb	09 38 57.5	+0.6
WHYT	Xintownship	1.79	238	Op	P	Pb	09 39 01.1	+0.5
WHYT	baz=222							
WHYT	baz=222							
FULB	Full	1.82	218	Op	P	Pn	09 38 59.9	+0.9
FULB	baz=202							
FULB	baz=202							
ALS	Alshan	1.93	234	Op	P	Pb	09 39 03.1	-0.1
ALS	baz=215							
ALS	baz=215							
CHN4	Tsaushan	2.18	234	Op	P	Pb	09 39 07.5	+0.2
CHN4	baz=216							
CHN4	baz=216							
TPUB	Ta-pu	2.18	232	P	Pb	Pb	09 39 07.3	-0.1

IOC 01 09:41:51.2,2.0,22.27Sx169.00E,h0km,mb3.4/3,
mbtmp3.4/4,ML3.2/1,Error ellipse: s-maj=85.9km
s-min=27.7km az=169.0, New Caledonia
 Code Station Name Δ° AZ $^\circ$ Phase ID Op ISC Time Res
 h m s ISC
DZM Mont Dzumac 2.38 274 Pn 09 42 33.2 +1.6
 6.0nm,0.3s,baz=99,slow=19,SNR=1.2
DZM 44nm,0.3s,baz=95,slow=19,SNR=5.6
 18nm,0.3s
ASAR Alice Springs 32.29 261 P 09 48 20.6 -1.5
 0.4nm,0.8s,baz=88,slow=9.6,SNR=2.0
 0.4nm,0.8s
WRA Warramunga Arr 32.38 268 P 09 48 22.8 0.0
 0.2nm,0.7s,baz=96,slow=7.8,SNR=1.8
 0.2nm,0.7s
NVAR Mina Array Bea 90.97 49 P 09 54 57.2 -0.4
 0.3nm,0.6s,baz=234,slow=7.6,SNR=3.5
 0.3nm,0.6s
GERES GERS Array B 147.01 330 PKPbc 10 01 36.2 +0.3
 0.6nm,0.5s,baz=25,slow=2.6,SNR=2.3

IOC 01 09:50:39.1,1.5,13.95Sx167.28E,h0km,mb3.9/7,
mbtmp3.8/7,Error ellipse: s-maj=72.3km s-min=23.3km
s-min=14.0, Loyalty Islands

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Op	ISC	Time	Res
							h m s	ISC
STKA	Stevens Creek	29.14	229	P	P	P	09 56 45.8	+0.4
STKA	baz=57							
STKA	baz=57							
WRA	Warramunga Arr	31.75	255					

s-min=0.4km az=296.0,Sicily		Phase ID		Time Res	
Code	Station Name	Δ° AZ°	Op	ISC	h m s ISC
MILZ	Milazzo	0.15 24	P	Sg	12 18 38.1 +0.9
MILZ	Milazzo		S	Sg	12 18 40.6 +1.4
MILZ	comp=E,1775μm,1.0s		AML	AML	
MILZ	comp=N,2055μm,0.5s		AML	AML	
MILZ	comp=E,1702μm,0.3s		AML	AML	
MILZ	comp=N,2057μm,0.5s		AML	AML	
AIO	Antillo	0.17 159	P	Sg	12 18 38.1 +0.5
AIO	Antillo		S	Sg	12 18 40.8 +0.9
AIO	comp=E,4595μm,0.3s		AML	AML	
AIO	comp=N,2790μm,0.4s		AML	AML	
AIO	comp=E,4596μm,0.3s		AML	AML	
AIO	comp=N,2790μm,0.4s		AML	AML	
MUCR	Ucria	0.24 248	P	Sg	12 18 39.2 +0.5
MUCR	Ucria		S	Sg	12 18 42.8 +0.8
MUCR	comp=E,720μm,0.2s		AML	AML	
MUCR	comp=N,1145μm,1.6s		AML	AML	
MUCR	comp=E,758μm,0.7s		AML	AML	
MUCR	comp=E,438μm,0.3s		AML	AML	
MUCR	comp=E,654μm,0.3s		AML	AML	
MUCR	comp=N,1138μm,0.5s		AML	AML	
VPL	Vulcano Piano	0.28 331	P	Sb	12 18 40.6 -0.9
VPL	Vulcano Piano		S	Sb	12 18 45.3 -1.2
VPL	comp=E,6045μm,0.3s		AML	AML	
VPL	comp=E,6400μm,0.3s		AML	AML	
VPL	comp=N,6980μm,1.4s		AML	AML	
VPL	comp=N,2367μm,0.2s		AML	AML	
VPL	comp=E,3145μm,0.4s		AML	AML	
VPL	comp=E,5381μm,0.4s		AML	AML	
VPL	comp=N,6116μm,0.3s		AML	AML	
IVGP	Vulcano Grotta	0.30 330	P	Sg	12 18 40.8 +0.7
IVGP	Vulcano Grotta		S	Sg	12 18 45.3 +1.3
IVGP	comp=E,4370μm,0.2s		AML	AML	
IVGP	comp=N,3465μm,0.5s		AML	AML	
IVGP	comp=E,1940μm,0.2s		AML	AML	
IVGP	comp=N,1640μm,1.6s		AML	AML	
IVGP	comp=N,1356μm,0.1s		AML	AML	
IVGP	comp=E,1584μm,0.2s		AML	AML	
MSRU	Castanea	0.31 65	P	Sg	12 18 40.9 +0.8
MSRU	Castanea		S	Sg	12 18 45.6 +1.4
MSRU	comp=E,2640μm,1.3s		AML	AML	
MSRU	comp=N,1780μm,0.1s		AML	AML	
MSRU	comp=E,1435μm,0.2s		AML	AML	
MSRU	comp=N,1680μm,0.3s		AML	AML	
MSRU	comp=N,1207μm,0.3s		AML	AML	
MSRU	comp=E,1434μm,0.2s		AML	AML	
EMSG	Monte Spagnolo	0.35 207	P	Pb	12 18 42.5 -0.3
LLI	Lipari	0.35 333	P	Pb	12 18 42.5 -0.3
LLI	comp=N,2840μm,0.4s		AML	AML	
LLI	comp=N,3545μm,0.6s		AML	AML	
LLI	comp=E,2185μm,1.4s		AML	AML	
MNO	Monte Soro	0.41 241	P	Sb	12 18 42.9 +0.8
MNO	Monte Soro		S	Sb	12 18 49.9 -0.6
MNO	comp=E,1070μm,1.6s		AML	AML	
MNO	comp=E,1120μm,0.5s		AML	AML	
MNO	comp=N,874μm,0.4s		AML	AML	
MSFR	San Fratello	0.46 257	P	Sg	12 18 43.3 +0.4
MSFR	San Fratello		S	Sg	
MSFR	comp=N,730μm,0.4s		AML	AML	
MSFR	comp=E,768μm,0.8s		AML	AML	
EPOZ	Pozzillo	0.62 185	P	Sg	12 18 44.9 -1.1
EPOZ	Pozzillo		S	Sg	
EPOZ	comp=N,592μm,0.4s		AML	AML	
IFIL	Filicudi I Eol	0.63 313	P	Sg	12 18 46.5 +0.3
IFIL	Filicudi I Eol		S	Sg	
IFIL	comp=N,3410μm,0.2s		AML	AML	
IFIL	comp=N,3410μm,0.2s		AML	AML	
SOI	Samo	0.71 95	P	Sg	12 18 47.4 -0.4
SOI	Samo		S	Sg	
SOI	comp=E,238μm,0.6s		AML	AML	
SOI	comp=N,239μm,0.8s		AML	AML	
SOI	comp=N,197μm,0.5s		AML	AML	
IACL	Alicudi	0.74 303	P	Sg	12 18 48.2 -0.1
IACL	Alicudi		S	Sg	
IACL	comp=E,1890μm,0.2s		AML	AML	
JOPP	Joppolo	0.74 50	P	Sg	12 18 48.8 +0.4
JOPP	Joppolo		S	Sg	
JOPP	comp=N,1700μm,0.2s		AML	AML	
JOPP	comp=E,396μm,0.2s		AML	AML	
PLLN	Pollina	0.81 260	P	Pb	12 18 50.1 -0.4
PLLN	Pollina		S	Pb	
PLLN	comp=N,978μm,0.4s		AML	AML	
PLLN	comp=N,1130μm,0.3s		AML	AML	
HLNI	Lentini	0.81 196	P	Sg	12 18 50.0 +0.3
HLNI	Lentini		S	Sg	
HLNI	comp=N,164μm,0.7s		AML	AML	
HLNI	comp=E,158μm,0.9s		AML	AML	
HAGA	Augusta	0.85 180	P	Sg	12 18 50.4 +0.1
HAGA	Augusta		S	Sg	
HAGA	comp=N,261μm,1.2s		AML	AML	
PETRA	Petralia Sopra	0.87 250	P	Pb	12 18 51.5 -0.2
PETRA	Petralia Sopra		S	Pb	
PETRA	comp=N,432μm,0.4s		AML	AML	
PETRA	comp=N,362μm,0.6s		AML	AML	
PETRA	comp=N,524μm,0.4s		AML	AML	
PETRA	comp=N,524μm,0.4s		AML	AML	
PETRA	comp=N,524μm,0.4s		AML	AML	
AGST	Augusta-Monte	0.88 176	P	Sg	12 18 51.7 +0.5
AGST	Augusta-Monte		S	Sg	
AGST	comp=N,728μm,0.9s		AML	AML	
CSLB	Castelbuono	0.89 258	P	Sg	12 18 51.0 -0.1
CSLB	Castelbuono		S	Sg	
CSLB	comp=N,121μm,0.8s		AML	AML	
CSLB	comp=N,158μm,0.5s		AML	AML	
CSLB	comp=N,121μm,0.8s		AML	AML	
GIB	Gibilmanna	0.90 261	P	Sg	12 18 51.4 0.0

s-min=0.3km az=313.0,Sicily		Phase ID		Time Res	
Code	Station Name	Δ° AZ°	Op	ISC	h m s ISC
GIB	comp=E,517μm,0.5s		AML	AML	
GIB	comp=N,506μm,0.6s		AML	AML	
SSY	Sorlino	0.98 184	P	Pb	12 18 53.8 +0.4
SSY	Sorlino		S	Pb	
SSY	comp=E,440μm,0.6s		AML	AML	
SSY	comp=N,787μm,0.5s		AML	AML	
MEU	Monte Lauro	1.04 190	P	Sg	12 18 54.0 -0.2
MEU	Monte Lauro		S	Sg	
MEU	comp=E,392μm,0.3s		AML	AML	
MEU	comp=N,463μm,0.4s		AML	AML	
MEU	comp=E,392μm,0.3s		AML	AML	
MEU	comp=N,463μm,0.4s		AML	AML	
PLAC	Placania	1.06 72	P	Sg	12 18 54.4 0.0
PLAC	Placania		S	Sg	
PLAC	comp=E,186μm,1.2s		AML	AML	
PLAC	comp=N,179μm,0.5s		AML	AML	
PLAC	comp=N,164μm,0.5s		AML	AML	
PLAC	comp=N,164μm,0.5s		AML	AML	
PLAC	comp=E,186μm,1.2s		AML	AML	
PLAC	comp=E,174μm,0.5s		AML	AML	
PLAC	comp=N,179μm,0.5s		AML	AML	
PLAC	comp=E,175μm,0.5s		AML	AML	
PLAC	comp=N,159μm,0.5s		AML	AML	
PLAC	comp=N,164μm,0.5s		AML	AML	
RAFF	Raffo Rosso	1.10 215	P	Pb	12 18 55.7 +0.2
RAFF	Raffo Rosso		S	Pb	
RAFF	comp=N,206μm,0.3s		AML	AML	
RAFF	comp=N,180μm,0.5s		AML	AML	
RAFF	comp=N,179μm,0.5s		AML	AML	
RAFF	comp=N,179μm,0.5s		AML	AML	
RAFF	comp=N,207μm,0.3s		AML	AML	
ALJA	Alia	1.17 251	P	Pn	12 18 57.0 0.0
ALJA	Alia		S	Pn	
ALJA	comp=N,200μm,1.6s		AML	AML	
ALJA	comp=N,200μm,1.6s		AML	AML	
SGG	Gregorio Mattes	3.30 350	P	Sg	12 18 57.0 0.0
SGG	Gregorio Mattes		S	Sg	
SGG	comp=N,200μm,1.6s		AML	AML	
SGG	comp=N,0.5mm,0.8s		AML	AML	
SGG	comp=N,10μm,0.6s		AML	AML	
SGG	comp=N,16μm,1.0s		AML	AML	
SGG	comp=N,16μm,1.0s		AML	AML	
SGG	comp=N,0.4mm,0.8s		AML	AML	

ROM 01 12:18:47.6:0.1,38°132N,0°005'15"147E:0°008, h6km, 1km, ML2.8/24, 1D, Error ellipse: s-maj=0.7km

s-min=0.3km az=313.0,Sicily		Phase ID		Time Res	
Code	Station Name	Δ° AZ°	Op	ISC	h m s ISC
MILZ	Milazzo	0.15 26	P	Sg	12 18 51.5 +0.8
MILZ	Milazzo		S	Sg	12 18 54.3 +1.5
MILZ	comp=E,3180μm,0.6s		AML	AML	
MILZ	comp=N,3720μm,0.5s		AML	AML	
MILZ	comp=E,3084μm,0.5s		AML	AML	
MILZ	comp=N,3721μm,0.5s		AML	AML	
MILZ	comp=N,3084μm,0.5s		AML	AML	
AIO	Antillo	0.17 157	P	Sg	12 18 51.6 +0.5
AIO	Antillo		S	Sg	12 18 54.2 +0.8
AIO	comp=E,13050μm,0.2s		AML	AML	
AIO	comp=N,14200μm,0.2s		AML	AML	
AIO	comp=E,13064μm,0.2s		AML	AML	
AIO	comp=N,14179μm,0.2s		AML	AML	
MUCR	Ucria	0.23 248	P	Sg	12 18 53.0 +0.8
MUCR	Ucria		S	Sg	12 18 56.4 +1.1
MUCR	comp=E,3295μm,1.2s		AML	AML	
MUCR	comp=N,3770μm,0.6s		AML	AML	
MUCR	comp=E,2796μm,0.1s		AML	AML	
MUCR	comp=N,3021μm,0.2s		AML	AML	
VPL	Vulcano Piano	0.28 332	P	Sb	12 18 54.0 +1.0
VPL	Vulcano Piano		S	Sb	12 18 58.9 -1.1
VPL	comp=N,15050μm,0.4s		AML	AML	
VPL	comp=E,13700μm,1.4s		AML	AML	
VPL	comp=E,9914μm,0.3s		AML	AML	
VPL	comp=N,7439μm,0.2s		AML	AML	
VPL	comp=E,13281μm,0.4s		AML	AML	
VPL	comp=N,15022μm,0.4s		AML	AML	
IVGP	Vulcano Grotta	0.30 331	P	Sg	12 18 54.2 +0.7
IVGP	Vulcano Grotta		S	Sg	12 18 58.9 +1.4
IVGP	comp=N,3465μm,0.5s		AML	AML	
IVGP	comp=N,3465μm,0.5s		AML	AML	
IVGP	comp=N,4370μm,0.2s		AML	AML	
IVGP	comp=N,2727μm,0.1s		AML	AML	
IVGP	comp=N,4372μm,0.2s		AML	AML	
MSRU	Castanea	0.31 65	P	Sg	12 18 54.3 +0.6
MSRU	Castanea		S	Sg	12 18 59.4 +1.5
MSRU	comp=E,2640μm,1.3s		AML	AML	
MSRU	comp=N,1780μm,0.1s		AML	AML	
MSRU	comp=E,2571μm,0.2s		AML	AML	
MSRU	comp=N,1784μm,0.1s		AML	AML	
EMSG	Monte Spagnolo	0.35 207	P	Pb	12 18 55.9 -0.4
EMSG	Monte Spagnolo		S	Pb	
EMSG	comp=N,3115μm,0.3s		AML	AML	
EMSG	comp=N,2415μm,1.0s		AML	AML	
EMSG	comp=N,3115μm,1.7s		AML	AML	
EMSG	comp=N,3115μm,1.7s		AML	AML	
EMSG	comp=N,1503μm,0.3s		AML	AML	
EMSG	comp=N,2034μm,0.2s				

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like BITLIS, ADCV, GEVA, AKDM, etc.

IDC 01 12:53:25.0, 6.21.83S, 169.03E, h0km, mb4.4/18, mbmp4.4/19, ML4.2/1, MS4.1/14, Error ellipse: s-maj=17.5km s-min=15.3km az=83.0

NOU 01 12:53:27.3, 21.70S, 168.92E, h0km, mb4.7/43, Loyalty Islands

BGR 01 12:53:29.0, 21.96S, 170.47E, h28km, 1km, Ms4.2, NEIC 01 12:53:28.9, 1.5, 21.86S, 0.06, 168.78E, 0.03, h10km, 1km, mb4.7/51, Error ellipse: s-maj=10.5km s-min=2.9km az=27.0

GCMT 01 12:53:31.9, 0.2, 21.73S, 0.02, 168.89E, 0.01, h12km, MW4.9/105, Moment Tensor Solution, s48.65S, s105.0141, Duration Moment tensor: Scale: 1016Nm; M=3.47e-07; Mw=1.84e-09; Mw=1.64e-07; Mw=1.2e-23; Mw=1.21e-05; Mw=0.58e-24; Best double couple: M3.25800e+1016 NPT1.0e140.00000, s48.00000, lambda=100.00000. Principal axes: T 2.9690, Plg3.00000, Azm223.00000; N 0.5880, Plg7.00000; Azm314.00000; P -3.5470, Plg82.00000, Azm112.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 01 12:53:28.7, 6.21, 83.0S, 168.88E, 0.05, h14km, 3km, h14km, P n209, o147/202, mb4.7/54, MS4.0/14, SC-3D, Loyalty Islands

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MARE, PINNC, LIFNC, YATNC, OUENC, DZMC, DZM, ONTNC, etc.

Main station list table with columns: WRA, MULG, FORT, SWI, GUMO, PSA00, MBWA, SANI, NWA0, MORW, KAPI, TAOE, DAV, TOLJ, MPSI, VNSA, SBA, KSM, MJAR, QSPA, KSRS, KSAR, MAW, CMAR, CHTO, XAN, BELA, HEH, HEH, PZH, PZH, SMAI, HHC, HHC, ELIB, ELIB, TROLL, SNA, SNA, VNA, VNA, VNA, ULN, ULN, SONM, SONM, SONM, CMB, AFDM, AFDM, ISA, ISA, INTR, DSP, LHV, NVAR, NV11, GMD, MZP, KVN, PRN, I6AR, I6AR, U15A, U15A, WMQ, WMQ.

Main station list table with columns: ARCES, AKASO, KOLS, VYHS, DPC, JAVC, FORT, BRG, BRG, BRG, CLL, CLL, CLL, CLL, CLL, KRUC, VRAC, FBE, FBE, NRD, GOPC, ZST, RETH, ASSE, PRU, HSKK, HSKK, NEUB, NEUB, CLZ, CLZ, ZVC, ZVC, TANN, TANN, EKA, WERD, WERD, PLN, PLN, RON, GUNZ, GTTG, WERN, CONA, MOX, IBBN, CKRC, KHC, KHC, MANZ, GECZ, GERES, GERES, ROTZ, ROTZ, ARSA, KASTN, MOA, MOA, GRF, GRF, SOKA, BIOA, TNS, TNS, OBKA, RJOB, AHRW, AHRW, BOJS, BOJS, LES, LJU, LJU, MYKA, ABTA, ABTA, WATA, WATA, WTTA, MOTA, SQT, RETA, WLF, UBR, UBR, FETA.

BFO	Black Forest	149.28 334	ePKPbc	PKPbc	13 13 16.5	-0.5
DAVA	Damuli	149.43 331	ePKP	PKPbc	13 13 17.3	-0.3
TORD	Tordoli Ar. Bea	165.07 237	PKP	PKPbc	13 13 32.8	-0.7

IDC 01 12:55:07.4 1.4, 21.345x168.91E, h0km, mb3.9/4, mblmp3.9/4, Error ellipse: s-maj=51.0km s-min=37.1km

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
ASAR	Alice Springs	32.29 260	Op	P	13 01 38.1	-0.1
WRA	Warramunga Arr	32.32 267	P	P	13 01 38.0	-0.5
GSPA	South Pole Qui	68.23 180	P	P	13 06 09.7	0.0
NVAR	Mina Array Bea	90.74 49 P	P	P	13 08 12.0	-0.6
GERES	GERES Array B	146.60 330	PKPbc	PKPbc	13 14 51.1	+0.2

IDC 01 12:57:12.0 0.9, 55.49N, 166.41E, h0km, mb3.5/8, mblmp3.5/8, ML3.1/1, MS3.1/7, Error ellipse: s-maj=35.6km

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
BKI	Bering	0.38 229	Op	Sb	12 57 28.4	+0.2
KBTR	Krutoberegovo	2.20 292	eP	Pn	12 57 50.0	-0.4
KBTR	Krutoberegovo	2.20 292	eS	Pn	12 58 16.8	-0.2
KBTR	Krutoberegovo	2.20 292	PN	Pn	12 57 50.0	-0.4
KBTR	Krutoberegovo	2.20 292	PN	Pn	12 58 16.8	-0.2
SMNR	Semkarok	3.03 294	eP	Pn	12 58 03.2	+1.3
SMKR	Semkarok	3.03 294	PN	Pn	12 58 03.2	+1.3
BDR	Baidarnaya	3.16 293	eP	Pn	12 58 05.6	+1.8
BDR	Baidarnaya	3.16 293	PN	Pn	12 58 05.6	+1.8
SRKR	Sorokina	3.21 294	eP	Pn	12 58 06.4	+2.0
SRKR	Sorokina	3.21 294	PN	Pn	12 58 06.4	+2.0
ZLN	Zelenaya	3.26 292	eP	Pn	12 58 07.3	+2.2
ZLN	Zelenaya	3.26 292	PN	Pn	12 58 07.3	+2.2
CIRR	Tsirk	3.30 284	eP	Pn	12 58 07.4	+1.6
CIRR	Tsirk	3.30 284	PN	Pn	12 58 07.4	+1.6
KLY	Klyuchi	3.39 287	eP	Pn	12 58 07.6	-0.1
KLY	Klyuchi	3.39 287	eS	Pn	12 58 44.6	-1.8
KLY	Klyuchi	3.39 287	PN	Pn	12 58 06.7	-0.1
KLY	Klyuchi	3.39 287	S	Pn	12 58 44.6	-1.8
BZMR	Bezmyannaya	3.42 281	eP	Pn	12 58 09.0	+1.6
BZMR	Bezmyannaya	3.42 281	PN	Pn	12 58 09.0	+1.6
BZWR	Bezmyanniy-We	3.42 281	eP	Pn	12 58 09.5	+2.1
BZWR	Bezmyanniy-We	3.42 281	PN	Pn	12 58 09.5	+2.1
TUMD	Tumrok D	3.46 268	eP	Pn	12 58 09.8	+1.7
TUMD	Tumrok D	3.46 268	eS	Pn	12 58 49.9	+1.2
KIRR	Kirishev	3.51 281	eP	Pn	12 58 10.2	+1.6
KIRR	Kirishev	3.51 281	PN	Pn	12 58 10.2	+1.6
KMNR	Kamenistaya	3.55 277	eP	Pn	12 58 11.7	+2.5
KMNR	Kamenistaya	3.55 277	PN	Pn	12 58 11.7	+2.5
KPT	Kopyto	3.58 281	eP	Pn	12 58 11.4	+1.9
KPT	Kopyto	3.58 281	PN	Pn	12 58 11.4	+1.9
TUMR	Tumrok	3.62 270	eP	Pn	12 58 12.0	+2.0
TUMR	Tumrok	3.62 270	eS	Pn	12 58 53.2	+1.0
TUMR	Tumrok	3.62 270	PN	Pn	12 58 12.0	+2.0
KOZ	Kozyrevsk	3.78 282	eP	Pn	12 58 14.7	+2.5
KOZ	Kozyrevsk	3.78 282	PN	Pn	12 58 14.7	+2.5
SRDR	Sredinnyy	3.91 286	eP	Pn	12 58 15.7	+1.8
SRDR	Sredinnyy	3.91 286	PN	Pn	12 58 15.7	+1.8
KAR	Karymskiy	4.32 254	eP	Pn	12 58 20.1	+1.6
KAR	Karymskiy	4.32 254	eS	Pn	12 59 08.7	-0.6
KIL	Karymskiy	4.32 254	PN	Pn	12 58 20.6	+1.0
KIL	Karymskiy	4.32 254	S	Pn	12 59 08.7	-0.6
ESO	Esso	4.43 279	eP	Pn	12 58 23.4	+2.3
ESO	Esso	4.43 279	PN	Pn	12 58 23.4	+2.3
MYE	Mye Shipunskiy	4.45 241	eP	Pn	12 58 24.1	+1.6
SDLR	Sedlovina	4.95 247	eP	Pn	12 58 29.5	+1.2
SDLR	Sedlovina	4.95 247	eS	Pn	12 59 25.0	0.0
SDLR	Sedlovina	4.95 247	PN	Pn	12 58 29.5	+1.2
SMAR	Somma	5.00 247	eP	Pn	12 59 25.0	0.0
SMAR	Somma	5.00 247	PN	Pn	12 58 30.3	+1.2
KRER	Koryakskii	5.01 248	eP	Pn	12 58 30.7	+1.5
KRER	Koryakskii	5.01 248	PN	Pn	12 58 30.7	+1.5
UGLR	Uglovaya	5.01 246	eP	Pn	12 58 30.8	+1.6
UGLR	Uglovaya	5.01 246	PN	Pn	12 58 30.8	+1.6
AVH	Avacha	5.03 247	eP	Pn	12 58 31.2	+1.8
AVH	Avacha	5.03 247	PN	Pn	12 58 31.2	+1.8
KRX	Arik	5.03 249	eP	Pn	12 59 27.2	+0.1
KRX	Arik	5.03 249	eS	Pn	12 59 27.2	+0.1
KRX	Arik	5.03 249	PN	Pn	12 58 30.8	+1.3
KOK	Koryaka	5.07 248	eP	Pn	12 59 27.4	+0.1
KOK	Koryaka	5.07 248	PN	Pn	12 58 31.4	+1.4
DALK	Dalny	5.14 245	eP	Pn	12 58 32.2	+1.4
DALK	Dalny	5.14 245	PN	Pn	12 58 32.2	+1.4
PET	Petropavlovsk	5.20 245	eP	Pn	12 58 32.5	+0.9
PET	Petropavlovsk	5.20 245	eS	Pn	12 59 30.4	+0.4
PET	Petropavlovsk	5.20 245	ePN	Pn	12 58 33.5	+1.9
PET	Petropavlovsk	5.20 245	eS	Pn	12 59 30.5	-0.4

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
BKI	Bering	0.38 229	Op	Sb	12 57 28.4	+0.2
KBTR	Krutoberegovo	2.20 292	eP	Pn	12 57 50.0	-0.4
KBTR	Krutoberegovo	2.20 292	eS	Pn	12 58 16.8	-0.2
KBTR	Krutoberegovo	2.20 292	PN	Pn	12 57 50.0	-0.4
KBTR	Krutoberegovo	2.20 292	PN	Pn	12 58 16.8	-0.2
SMNR	Semkarok	3.03 294	eP	Pn	12 58 03.2	+1.3
SMKR	Semkarok	3.03 294	PN	Pn	12 58 03.2	+1.3
BDR	Baidarnaya	3.16 293	eP	Pn	12 58 05.6	+1.8
BDR	Baidarnaya	3.16 293	PN	Pn	12 58 05.6	+1.8
SRKR	Sorokina	3.21 294	eP	Pn	12 58 06.4	+2.0
SRKR	Sorokina	3.21 294	PN	Pn	12 58 06.4	+2.0
ZLN	Zelenaya	3.26 292	eP	Pn	12 58 07.3	+2.2
ZLN	Zelenaya	3.26 292	PN	Pn	12 58 07.3	+2.2
CIRR	Tsirk	3.30 284	eP	Pn	12 58 07.4	+1.6
CIRR	Tsirk	3.30 284	PN	Pn	12 58 07.4	+1.6
KLY	Klyuchi	3.39 287	eP	Pn	12 58 07.6	-0.1
KLY	Klyuchi	3.39 287	eS	Pn	12 58 44.6	-1.8
KLY	Klyuchi	3.39 287	PN	Pn	12 58 06.7	-0.1
KLY	Klyuchi	3.39 287	S	Pn	12 58 44.6	-1.8
BZMR	Bezmyannaya	3.42 281	eP	Pn	12 58 09.0	+1.6
BZMR	Bezmyannaya	3.42 281	PN	Pn	12 58 09.0	+1.6
BZWR	Bezmyanniy-We	3.42 281	eP	Pn	12 58 09.5	+2.1
BZWR	Bezmyanniy-We	3.42 281	PN	Pn	12 58 09.5	+2.1
TUMD	Tumrok D	3.46 268	eP	Pn	12 58 09.8	+1.7
TUMD	Tumrok D	3.46 268	eS	Pn	12 58 49.9	+1.2
KIRR	Kirishev	3.51 281	eP	Pn	12 58 10.2	+1.6
KIRR	Kirishev	3.51 281	PN	Pn	12 58 10.2	+1.6
KMNR	Kamenistaya	3.55 277	eP	Pn	12 58 11.7	+2.5
KMNR	Kamenistaya	3.55 277	PN	Pn	12 58 11.7	+2.5
KPT	Kopyto	3.58 281	eP	Pn	12 58 11.4	+1.9
KPT	Kopyto	3.58 281	PN	Pn	12 58 11.4	+1.9
TUMR	Tumrok	3.62 270	eP	Pn	12 58 12.0	+2.0
TUMR	Tumrok	3.62 270	eS	Pn	12 58 53.2	+1.0
TUMR	Tumrok	3.62 270	PN	Pn	12 58 12.0	+2.0
KOZ	Kozyrevsk	3.78 282	eP	Pn	12 58 14.7	+2.5
KOZ	Kozyrevsk	3.78 282	PN	Pn	12 58 14.7	+2.5
SRDR	Sredinnyy	3.91 286	eP	Pn	12 58 15.7	+1.8
SRDR	Sredinnyy	3.91 286	PN	Pn	12 58 15.7	+1.8
KAR	Karymskiy	4.32 254	eP	Pn	12 58 20.1	+1.6
KAR	Karymskiy	4.32 254	eS	Pn	12 59 08.7	-0.6
KIL	Karymskiy	4.32 254	PN	Pn	12 58 20.6	+1.0
KIL	Karymskiy	4.32 254	S	Pn	12 59 08.7	-0.6
ESO	Esso	4.43 279	eP	Pn	12 58 23.4	+2.3
ESO	Esso	4.43 279	PN	Pn	12 58 23.4	+2.3
MYE	Mye Shipunskiy	4.45 241	eP	Pn	12 58 24.1	+1.6
SDLR	Sedlovina	4.95 247	eP	Pn	12 58 29.5	+1.2
SDLR	Sedlovina	4.95 247	eS	Pn	12 59 25.0	0.0
SDLR	Sedlovina	4.95 247	PN	Pn	12 58 29.5	+1.2
SMAR	Somma	5.00 247	eP	Pn	12 59 25.0	0.0
SMAR	Somma	5.00 247	PN	Pn	12 58 30.3	+1.2
KRER	Koryakskii	5.01 248	eP	Pn	12 58 30.7	+1.5
KRER	Koryakskii	5.01 248	PN	Pn	12 58 30.7	+1.5
UGLR	Uglovaya	5.01 246	eP	Pn	12 58 30.8	+1.6
UGLR	Uglovaya	5.01 246	PN	Pn	12 58 30.8	+1.6
AVH	Avacha	5.03 247	eP	Pn	12 58 31.2	+1.8
AVH	Avacha	5.03 247	PN	Pn	12 58 31.2	+1.8
KRX	Arik	5.03 249	eP	Pn	12 59 27.2	+0.1
KRX	Arik	5.03 249	eS	Pn	12 59 27.2	+0.1
KRX	Arik	5.03 249	PN	Pn	12 58 30.8	+1.3
KOK	Koryaka	5.07 248	eP	Pn	12 59 27.4	+0.1
KOK	Koryaka	5.07 248	PN	Pn	12 58 31.4	+1.4
DALK	Dalny	5.14 245	eP	Pn	12 58 32.2	+1.4
DALK	Dalny	5.14 245	PN	Pn	12 58 32.2	+1.4
PET	Petropavlovsk	5.20 245	eP	Pn	12 58 32.5	+0.9
PET	Petropavlovsk	5.20 245	eS	Pn	12 59 30.4	+0.4
PET	Petropavlovsk	5.20 245	ePN	Pn	12 58 33.5	+1.9
PET	Petropavlovsk	5.20 245	eS	Pn	12 59 30.5	-0.4

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
PET	Petropavlovsk	5.20 245	eP	Pn	12 58 33.5	+1.9
PET	Petropavlovsk	5.20 245	eS	Pn	12 59 30.5	-0.4
PET	Petropavlovsk	5.20 245	smax	smax		
PET	Petropavlovsk	5.20 245	smax	smax		
KRMR	Karymskiy	5.57 245	eP	Pn	12 58 37.6	+0.9
KRMR	Karymskiy	5.57 245	eS	Pn	12 59 38.4	-1.6
KRMR	Karymskiy	5.57 245	PN	Pn	12 58 37.6	+0.9
RUS	Russkaya	5.59 241	eP	Pn	12 58 38.0	+1.0
RUS	Russkaya	5.59 241	PN	Pn	12 58 38.0	+1.0
PETK	Petropavlovsk	5.66 249	eP	Pn	12 58 38.5	+0.6
PETK	Petropavlovsk	5.66 249	eS	Pn	12 59 42.9	+0.7
PETK	Petropavlovsk	5.66 249	LR	LR	13 01 04.1	

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
GRL	Gorelyy	5.75 243	eP	Pn	12 58 40.7	+1.4
GRL	Gorelyy	5.75 243	PN	Pn	12 58 40.7	+1.4
MA2	Magadan	9.40 302	LR	LR	13 03 08.6	
SEY	Seymchan	10.39 322	LR	LR	13 03 46.1	
KLR	Kul'dur	21.94 268	LR	LR	13 12 02.8	
ILAR	Eielson Array	24.46 49 P	P	P	13 02 32.2	0.0

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
H1N2	WAKE ISLAND Hy	35.67 179 T	T	T	13 42 00.2	
H1N3	WAKE ISLAND Hy	35.68 179 T	T	T	13 41 57.1	
H1N1	WAKE ISLAND Hy	35.68 179 T	T	T	13 41 56.1	
SOMM	Songino Array	36.99 284 P	P	P	13 04 21.2	-1.8

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time
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CHMS	4.8nm,0.4s	U	Pn	17 50 30.3	+2.7
CHMS	2.9nm,0.5s	U	Pg	17 50 38.9	+1.9
CHMS	725nm,0.3s		Lg	17 51 07.1	
CHMS	18nm,0.8s		Lg	17 51 31.3	
CHMS	Chumysh baz=32	4.06	32	17 50 28.4	+0.8
CHMS	baz=28		S	17 51 14.5	-0.8
USP	baz=32	4.20	28	17 50 30.1	+0.7
USP	baz=28		S	17 51 17.8	-0.7
BOOM	Booms koye usch baz=46	4.25	45	17 50 31.1	+0.7
BOOM	baz=46		S	17 51 20.0	-0.2
TKM2	baz=46	4.38	39	17 50 33.8	+1.6
TKM2	1.2nm,0.5s		Pb	17 50 44.1	+1.6
TKM2	6.4nm,0.4s		Lg	17 51 40.4	
SGDS	Sogindy 16nm,0.8s	4.40	28	17 50 44.7	+1.9
SGDS	8.1nm,0.5s		Lg	17 51 41.0	
KST	24nm,0.6s	4.65	41	17 50 49.9	+2.8
KST	3.1nm,0.4s		Lg	17 51 50.1	
KST	13nm,0.7s	4.65	41	17 50 48.3	+1.2
KST	3.1nm,0.4s		Lg	17 51 49.7	
DGS	13nm,0.7s	4.71	38	17 50 50.7	+2.7
DGS	20nm,0.6s		Lg	17 51 51.7	
DGS	19nm,0.5s	4.71	38	17 50 50.4	+2.3
DGS	20nm,0.6s		Lg	17 51 51.7	
DGS	19nm,0.5s	4.95	43	17 50 55.9	+3.6
DGS	12nm,0.4s		Lg	17 51 59.8	
MTBS	15nm,0.4s	4.95	43	17 50 54.8	+2.6
MTBS	3.3nm,0.3s		Lg	17 51 59.1	
MTBS	18nm,0.5s	4.99	45	17 50 56.1	+3.3
IZV	Izvestkoviy 6.3nm,1.1s		Lg	17 52 00.9	
IZV	1.7nm,0.7s	4.99	45	17 50 55.2	+2.4
IZV	Izvestkoviy 11nm,0.6s		Lg	17 52 00.4	
KRBS	Karabastau 5.7nm,0.8s	5.02	34	17 50 56.0	+2.6
KRBS	6.7nm,0.9s		Lg	17 52 01.2	
KRBS	13nm,0.6s	5.02	34	17 50 55.6	+2.3
KRBS	Karabastau 6.7nm,0.8s		Lg	17 52 00.8	
KRBS	13nm,0.6s	5.17	46	17 50 59.0	+2.9
TNSS	Tian-Shan 6.0nm,0.3s		Lg	17 52 05.2	
TNSS	8.6nm,0.8s	5.17	46	17 50 59.0	+2.9
TNSS	Tian-Shan 6.0nm,0.3s		Lg	17 52 07.2	
TNSS	8.6nm,0.8s	5.31	46	17 51 01.4	+3.1
MDOK	Medeo 3.2nm,0.6s		Lg	17 52 10.2	
MDOK	7.1nm,0.8s	5.31	46	17 51 01.4	+3.1
MDOK	Medeo 3.2nm,0.6s		Lg	17 52 10.4	
KOTS	Kotrybulak 4.5nm,0.9s	5.39	46	17 51 03.2	+3.5
KOTS	24nm,0.7s		Lg	17 52 13.3	
KOTS	Kotrybulak 4.5nm,0.9s	5.39	46	17 51 03.2	+3.5
KOTS	24nm,0.7s		Lg	17 52 13.3	
KUU	Kurdy 4.3nm,0.3s	5.47	37	17 51 04.3	+3.3
KUU	24nm,0.7s		Lg	17 52 14.5	
KUU	10nm,0.4s	5.47	37	17 51 03.6	+2.6
KUU	Kurdy 4.3nm,0.3s		Lg	17 52 14.5	
KTBS	Karabote 10nm,0.4s	5.50	40	17 51 04.4	+2.9
KTBS	4.4nm,0.5s		Lg	17 52 15.5	
KTBS	9.7nm,0.5s	5.50	40	17 51 04.2	+2.7
KTBS	Karabote 4.4nm,0.5s		Lg	17 52 16.1	
CHHK	Chushlyak 27nm,0.6s	5.75	40	17 51 09.5	+3.7
CHHK	1.9nm,0.3s		Lg	17 52 23.8	
CHHK	9.7nm,0.7s	5.75	40	17 51 09.8	+4.0
CHHK	Chushlyak 1.8nm,0.1s		Lg	17 52 24.6	
KURS	Kuram 13nm,0.4s	6.15	49	17 51 19.7	-3.4
KURS	5.0nm,0.8s		Lg	17 52 40.9	
KURS	7.3nm,1.6s	6.15	49	17 51 17.5	+4.9
KURS	Kuram 3.1nm,1.0s		Lg	17 52 39.5	
KURS	7.3nm,1.1s	6.43	42	17 51 21.4	+4.0
ARXS	Arharly 6.1nm,0.7s		Lg	17 52 44.2	
ARXS	5.6nm,0.4s	6.43	42	17 51 21.1	+3.7
ARXS	Arharly 2.2nm,0.6s		Lg	17 52 44.5	
ARXS	8.7nm,0.5s	6.44	51	17 51 23.9	-4.7
PKPS	Kokpek 3.1nm,0.6s		Lg	17 52 48.4	
KNOS	Knorylen 15nm,0.4s	7.26	46	17 51 37.5	+5.9
KNOS	9.8nm,0.7s		Lg	17 53 11.8	
KNOS	4.9nm,1.0s		Lg	17 53 11.8	
AB31	Abkulyak array 12.87 323 Pn		Pn	17 52 32.1	+3.9
AB31	0.2nm,0.5s,baz=124,slow=14,SNR=15		S	17 54 53.7	+2.3
AB31	1.6nm,0.8s,baz=131,slow=24,SNR=7.7		S		

IDC 01 17:52:55.1±0.8, 16:66N:145:16E, h0km, mb4, 1/16, mbtmp4, 1/17, MS3, 5/1, MS3, 3/22, Error ellipse: s-maj=27.4km s-min=14.7km az=81.0
 NEIC 01 17:52:58.4±2.0, 16:60N:0.07±145:16E:0.10, h10km, 1km, mb4, 6/34, Error ellipse: s-maj=17.8km s-min=9.1km az=56.0
 ISC 01 17:52:59.8-0.7, 16:65N:0.07±145:0E:0.1, h35km, n84, ±135/66, mb4.5/29, MS3.2/20, Mariana Islands region
 Code Station Name Δ° AZ° Phase ID Time Res
 GUMO Guam 3.04 182 Pn Pn 17 53 45.8 +0.3
 GUMO Guam 6.6nm,0.3s,baz=17,slow=18,SNR=1.9 Pn Pn 17 53 45.5 0.0
 GUMO 1.2nm,0.5s LR LR 17 54 43.2
 comp=Z:29nm,19.0s,baz=20,slow=35 6.1nm,0.8s
 JHU2 Mitsune 17.04 345 Pn Pn 17 56 52.3 -3.1
 JOW Nigunigami 18.52 306 LR LR 18 02 50.1
 comp=Z:158nm,21.4s,baz=119,slow=32

MJAR	Matsushiro Arr 20.71 344 P P	17 57 37.6	+0.5
MJAR	3.2nm,1.1s,baz=351,slow=16,SNR=4.4 LR LR	18 04 33.9	
JNU	Nakatsue 20.77 325 P P	17 57 35.7	-2.1
JNU	comp=Z:68nm,20.9s,baz=170,slow=34 3.2nm,1.5s LR LR	17 57 48.9	
JNU	comp=Z:31nm,1.3s 20.77 325 P P	17 57 40.5	+2.7
JNU	comp=Z:9.6nm,1.1s,baz=163,slow=14,SNR=3.6 LR LR	18 05 23.4	
H11S3	WAKE ISLAND Hy 20.77 82 T T	18 19 11.9	
H11S1	WAKE ISLAND Hy 20.77 82 T T	18 19 12.8	
H11S2	WAKE ISLAND Hy 20.79 82 T T	18 19 13.0	
H11N1	WAKE ISLAND Hy 21.03 78 T T	18 19 31.3	
H11N2	WAKE ISLAND Hy 21.04 78 T T	18 19 31.9	
H11N3	WAKE ISLAND Hy 21.05 78 T T	18 19 32.7	
DAV	Davao City (W) 21.22 246 LR LR	18 03 57.5	
FAKI	Fak Fak 23.16 214 P P	17 58 01.2	-2.2
FGY	Tagaytay City 23.32 267 LR LR	18 05 55.3	
KSR5	Korea Array 25.61 327 P P	17 58 27.0	+1.1
KSR5	comp=Z:3.1nm,0.9s,baz=147,slow=9,SNR=13 LR LR	18 07 18.3	
KSR5	comp=Z:2.1nm,2.1s,baz=100,slow=34 3.1nm,0.9s P P	17 58 27.1	+1.1
KSAR	Koror Array 25.63 327 P P	18 10 17.7	
HNR	Honiara Arr 26.84 149 LR LR	18 10 45.6	
KAPI	Kappang 32.95 231 LR LR	18 11 41.9	
BATI	Baumulu Arr 34.01 220 LR LR	18 00 03.7	+1.5
CTA	Charters Tower 36.53 178 P P	18 00 07.4	-1.6
KSM	Kuching 37.31 250 P P	18 00 44.2	-1.6
KSM	comp=Z:1.1nm,1.1s 37.66 196 P P	18 00 11.4	-0.4
WBO	Warramunga Arr 37.83 196 P P	18 00 12.4	-0.8
WRAB	Warramunga Arr 37.83 196 P P	18 00 13.5	+0.2
WB2	Warramunga Arr 37.83 196 P P	18 00 15.0	
WB2	comp=Z:9.5nm,1.2s 37.84 196 P P	18 00 11.8	-1.5
WRA	Warramunga Arr 37.84 196 P P	18 00 12.7	-0.6
WRA	comp=Z:4.6nm,1.2s 37.83 196 P P	18 00 15.0	
ASAR	Alice Springs 41.51 195 P P	18 00 44.9	+1.0
ASAR	comp=Z:0.9nm,1.1s,baz=14,slow=11,SNR=4.5 4.6nm,1.2s LR LR	18 01 03.7	+0.6
CM31	Chiang Mai Arr 43.85 279 P P	18 01 04.3	+0.6
CM31	comp=Z:8.4nm,1.1s 43.85 279 P P	18 01 03.7	+0.6
CMAR	Chiang Mai Arr 43.85 279 P P	18 01 04.7	+1.6
CMAR	Chiang Mai Arr 43.85 279 P P	18 01 03.7	+0.6
CMAR	comp=Z:3.4nm,0.9s,baz=72,slow=8,SNR=21 LR LR	18 20 08.4	
SOMN	Songino Array 44.34 323 P P	18 01 07.5	+0.8
SOMN	Songino Array 44.34 323 P P	18 01 08.0	+1.3
SOMN	comp=Z:1.3nm,0.9s,baz=133,slow=9,SNR=6.3 4.6nm,1.2s LR LR	18 17 52.4	
SOMN	comp=Z:2.7nm,2.1s,baz=35,slow=34 4.34 323 P P	18 01 57.2	-0.1
LSA	Lhasa 50.76 295 P P	18 02 00.4	
LSA	comp=Z:7.9nm,1.0s 50.76 295 P P	18 02 00.4	
TAPN	Taplejung 53.77 292 eP P	18 02 18.8	-0.7
TAPN	comp=Z:3.1nm,1.2s 53.77 292 eP P	18 02 27.3	+0.6
RAMN	Ramite 54.77 291 eP P	18 02 29.8	+0.5
JIRN	Jiri 55.11 292 eP P	18 02 31.0	-0.2
GUN	Gumba 55.38 293 eP P	18 02 34.8	+0.5
PKI	Pulok 55.80 292 eP P	18 02 39.4	+0.6
GKN	Gorkha 56.47 293 eP P	18 02 44.9	+0.5
DANN	Dangsing 57.23 293 eP P	18 02 49.5	+0.4
PYUN	Piuthan 57.92 293 eP P	18 02 58.1	+0.5
ZAA0	Zalesovo Array 59.23 323 P P	18 02 57.5	
ZAA0	comp=Z:8.1nm,1.3s 59.23 323 P P	18 02 58.6	+1.0
ZALV	Zalesovo Beam 59.23 323 P P	18 28 38.2	
ZALV	comp=Z:4.0nm,1.0s,baz=103,slow=6,SNR=12 59.23 323 P P	18 02 60.0	+1.1
ZALV	comp=Z:1.8nm,1.8s,baz=50,slow=36 59.23 323 P P	18 03 05.4	
MK31	Makanchi Array 59.40 315 P P	18 03 00.2	+1.3
MK31	comp=Z:4.3nm,1.1s 59.40 315 P P	18 03 00.4	+1.5
MKAR	Makanchi Array 59.40 315 P P	18 02 59.2	-1.2
MKAR	comp=Z:2.0nm,0.9s,baz=87,slow=8.6,SNR=11 59.40 315 P P	18 03 06.3	
MAKZ	Makanchi 59.62 315 P P	18 27 05.7	
MAKZ	comp=Z:6.1nm,1.1s 61.44 33 LR LR	18 20 17.5	+2.3
KDAK	Kodiak Island 61.74 310 P P	18 03 17.2	-1.0
PRZ	Przheval'sk 62.15 309 P P	18 03 17.4	-1.1
TARG	Taragay, Kyrgyz 62.30 28 P P	18 03 23.7	
M20K	Styx River 62.30 28 P P	18 03 20.1	+1.3
M20K	comp=Z:1.2nm,1.5s 62.35 319 P P	18 03 20.1	+1.0
KURK	Kurchatov 62.35 319 P P	18 31 40.7	
KURBB	Kurchatov Arra 62.39 319 P P	18 03 27.7	+0.6
KURBB	comp=Z:8.4nm,0.8s,baz=100,slow=6.5,SNR=20 62.39 319 P P	18 03 36.4	
KURBB	comp=Z:1.6nm,1.8s,baz=168,slow=37 62.35 319 P P	18 03 27.7	+0.4
NRN	Naryn 63.50 308 P P	18 03 28.0	-0.1
NRN	comp=Z:4.5nm,1.2s 63.76 27 P P	18 03 29.3	+0.5
BOOM	Booms koye usch 63.56 310 P P	18 03 30.6	
KTH	Kantishna Hill 63.76 27 P P	18 34 10.3	
BPAW	Bear Paw Mtn. 63.88 26 P P	18 03 37.8	-3.3
BPAW	comp=Z:1.1nm,1.4s 63.76 27 P P	18 03 39.9	-1.2
AAK	Ala-Archa 64.63 310 LR LR	18 03 42.5	-0.2
ILAR	Eielson Array 65.78 26 P P	18 03 42.5	-0.2
ILAR	Eielson Array 65.78 26 P P	18 03 44.2	+0.9
ILAR	comp=Z:1.4nm,1.1s,baz=259,slow=5.2,SNR=7.2 65.84 31 P P	18 03 51.6	+1.1
NIL	Nilore 65.94 300 P P	18 03 54.0	+1.1
D24K	Happy Valley 66.15 21 P P	18 03 54.7	+1.5
SNH	Sunshine Point 66.84 31 P P	18 03 54.0	+1.1
BMAR	Burnt Mountain 67.26 23 P P	18 03 54.7	+1.5
KK31	Karatay Array 67.55 310 P P	18 03 58.7	
KK31	comp=Z:4.4nm,1.1s 67.55 310 P P	18 03 54.1	+1.3
KKAR	Karatay Array 67.55 310 P P	18 03 58.7	
KKAR	comp=Z:4.4nm,1.1s 67.55 310 P P	18 03 53.5	+0.7
BVAR	Borovyoye Array 67.55 310 P P	18 03 54.6	+1.5
BVAR	comp=Z:5.3nm,0.9s,baz=98,slow=7.8,SNR=14 LR LR	18 33 42.0	
BRVK	Borovyoye 67.69 321 P P	18 03 53.9	+0.5
BRVK	comp=Z:5.6nm,0.9s 67.69 321 P P	18 03 58.1	
KBL	Kabul 69.33 301 P P	18 04 04.0	-0.4
KBL	comp=Z:1.0nm,1.3s 69.33 301 P P	18 04 06.4	
ABKAR	Abkulyak array 74.37 317 LR LR	18 04 30.0	-4.0
AKTO	Aktubinsk 75.44 319 LR LR	18 04 53.8	+1.3
GEYT	Alibek 77.54 306 P P	18 04 53.5	+1.1
GEYT	Alibek 77.54 306 P P		

YBH	Yreka Blue Hor 80.80 49 LR LR	18 32 58.7	
PINE	Pine Mountain 81.55 47 P P	18 05 13.5	-0.8
PINE	comp=Z:1.2nm,1.1s 81.55 47 P P	18 05 17.7	
NEW	Newport 82.88 42 LR LR	18 36 04.1	
ARCES	ARCCESS Array B 84.22 342 P P	18 05 29.3	+1.9
ARCES	comp=Z:7.0nm,1.1s,baz=44,slow=8.9,SNR=4.0 84.22 342 P P		
NVAR	Mina Array Bea 84.94 52 P P	18 05 33.0	+1.1
NVAR	comp=Z:1.2nm,0.9s,baz=268,slow=5.8,SNR=7.3 LR LR	18 39 04.6	
ELK	Elko 86.48 49 P P	18 05 37.3	-2.3
ANMO	Albuquerque 95.06 51 LR LR	18 45 09.0	
ANMO	comp=Z:1.9nm,18.5s,baz=326,slow=33 LR LR		

IDC 01 18:20:03.9±7.7, 7:33S:128:81E, h132km, 81km, mb3.6/4, mbtmp4, 0/7, Error ellipse: s-maj=17.7km s-min=25.7km az=33.0
 ISC 01 18:20:03.3±1.1, 7:47S:0.10±129:0E:0.1, h131km, n7, ±256/10, mb3.9/4, Banda Sea

BATI	Baumata 5.89 242 P P	18 21 29.5	+1.1
BATI	50nm,0.3s,baz=169,slow=1.0,SNR=7.2 Pn Pn	18 22 33.8	-1.0
WRA	Warramunga Arr 13.46 158 P P	18 23 10.7	+1.6
WRA	0.8nm,0.4s,baz=331,slow=14,SNR=28 3.2nm,0.5s,baz=331,slow=25,		

WHYT	Xinyi Township	1.84 340	eP	Pn	18 42 04.3 +0.6
CHY	Chiayi	1.85 326	eP	Pn	18 42 04.0 +0.3
CHN8	Yiju	1.85 319	eP	Pb	18 42 05.1 -0.8
ESL	Shilin	1.85 357	eP	Pn	18 42 01.7 -2.1
SSLB	Suanglung	1.90 344	P	Pn	18 42 04.4 0.0
SSLB	Suanglung	1.90 344	P	Pn	18 42 05.7 +1.2
SSLB	Suanglung	1.90 344	eP	Pn	18 42 04.2 -0.3
ETM	Tongmen	2.00 359	eP	Pn	18 42 03.7 -2.1
WJS	Zhushan	2.00 338	eP	Pn	18 42 06.5 +0.7
SMLT	Sun Moon Lake	2.00 343	eP	Pn	18 42 06.7 +0.7
HWA	Hwaiien	2.01 2	eP	Pn	18 42 06.0 +0.1
OWD	Renai	2.02 350	eP	Pn	18 42 05.8 -0.3
WTK	Tuku	2.02 328	eP	Pn	18 42 05.6 -0.5
LXIB	Xiulin Townshi	2.06 357	eP	Pn	18 42 04.9 -1.9
WUSB	Renai	2.06 349	P	Pn	18 42 06.5 -0.3
WUSB			S	Sn	18 42 33.1 +0.6
WNT	Mingjian	2.07 338	eP	Pn	18 42 08.1 +1.3
WSF	Szhu	2.07 324	eP	Pn	18 42 06.5 -0.2
TWD	Chiawan	2.11 1	eP	Pn	18 42 05.7 -1.7
CHGB	Renai	2.12 351	eP	Pn	18 42 07.3 -0.3
WCS	Beigang Elemen	2.17 345	eP	Pn	18 42 08.8 +0.7
WDGT	Dungji	2.17 307	eP	Pn	18 42 07.6 -0.5
WDGT			eS	Sn	18 42 33.5 -1.4
ETH	Fush Village	2.19 2	eP	Pn	18 42 07.6 -0.9
WFL	Huan Shan	2.19 353	P	Pn	18 42 08.4 -0.5
WHF			eS	Sn	18 42 35.6 -0.5
NACB	Ninganchiao	2.21 1	P	Pn	18 42 06.4 -2.3
NACB	Ninganchiao	2.21 1	P	Pn	18 42 06.3 -2.3
WRL	Guolierlin Hig	2.21 331	eP	Pn	18 42 08.2 -0.6
ETLH	Xiulin Townshi	2.24 359	eP	Pn	18 42 07.8 -1.4
EOS4	EOS4	2.27 18	eP	Pn	18 42 07.6 -1.5
WCHH	Zhanghua	2.30 337	eP	Pn	18 42 09.2 -0.7
TWT	Tachien	2.31 352	eP	Pn	18 42 11.4 +1.2
TDCB	Techi	2.31 351	eP	Pn	18 42 09.1 -1.1
VCHM	Qimei	2.32 303	eP	Pn	18 42 08.8 -1.4
VCHM			eS	Sn	18 42 37.2 -1.3
WHP	Taichung City	2.37 347	eP	Pn	18 42 12.4 +1.4
PHUB	Peng-hu	2.39 311	eS	Sn	18 42 38.7 -1.6
EOS3	EOS3	2.42 17	eP	Pn	18 42 10.5 -1.0
PNG	Penghu	2.44 311	eP	Sn	18 42 11.1 -0.6
PNG			eS	Sn	18 42 40.9 -0.6
NNSB	Datong	2.46 357	P	Pn	18 42 12.1 -0.2
NNSB			eS	Sn	18 42 43.4 +1.1
ENA	Nanau	2.46 4	eP	Pn	18 42 10.9 -1.3
ENA			eS	Sn	18 42 41.7 -0.5
NNS	Nan Shan	2.48 356	eP	Pn	18 42 12.6 +0.2
TWQ1	Liyutan	2.48 344	eP	Pn	18 42 13.7 +1.3
EWUT	Wuta	2.48 5	eP	Pn	18 42 12.4 -0.1
EOS2	EOS2	2.53 14	eP	Pn	18 42 14.0 +1.0
NSY	Sanyi	2.55 344	eP	Pn	18 42 15.1 +1.7
LATG	Datong	2.56 360	P	Pn	18 42 13.7 0.0
LATG			eS	Sn	18 42 46.1 +1.2
NDT	Datong Townshi	2.63 359	P	Pn	18 42 14.6 +0.1
TWC	Suao	2.65 6	eP	Pn	18 42 14.4 -0.4
ENTT	Nioudou	2.67 0	P	Pn	18 42 14.7 -0.4
NFF	Wufeng Townshi	2.69 352	eP	Pn	18 42 16.0 +0.6
YHNB	Yeheng	2.70 357	P	Pn	18 42 15.2 -0.4
YHNB	Yeheng	2.70 357	P	Pn	18 42 15.9 +0.3
YHNB	Yeheng	2.70 357	P	Pn	18 42 15.7 +0.1
NSTT	Nanjiang	2.71 350	eP	Pn	18 42 17.0 +1.4
NSK	Sanguang	2.71 356	P	Pn	18 42 15.9 +0.3
LIOB	Emei	2.72 350	eP	Pn	18 42 17.5 +1.8
TWE	Neicheng	2.75 2	eP	Pn	18 42 16.6 +0.5
FUSB	Fushanzhiwuyua	2.79 1	eP	Pn	18 42 16.9 +0.2
JYNG	Yonganjimajaku	2.80 27	eP	Pn	18 42 17.3 +0.6
NWLT	Wulai	2.81 359	eP	Pn	18 42 17.9 +1.0
YOJ	Yongajuni jima	2.83 28	Pn	Pn	18 42 16.1 -1.2
YOJ	Yongajuni jima	2.83 28	eP	Pn	18 42 17.2 -0.1
YOJ	Yongajuni jima	2.83 28	eP	Pn	18 42 16.0 -1.2
YOJ	Yongajuni jima	2.83 28	P	Pn	18 42 16.1 -1.2
EGS		2.90 7	eP	Pn	18 42 19.3 +1.2
HATJ	Hateruma jima	2.95 45	eP	Pn	18 42 17.1 -1.8
NHHD	Xindian Distri	2.99 360	eP	Pn	18 42 20.6 +1.2
TATO	Taipei	3.00 359	Pn	Pn	18 42 20.2 +0.6
TATO	Taipei	3.00 359	P	Pn	18 42 22.0 +2.4
IRIF	Iriomote-Funau	3.11 40	eP	Pn	18 42 19.3 -1.7
WFSB	Wu-fen Shan	3.11 4	eP	Pn	18 42 21.5 +0.5
SXI1	Grass Mountain	3.14 6	eP	Pn	18 42 22.3 +0.8
YMO1	YMO1	3.17 0	eP	Pn	18 42 22.4 +0.4
JKRS	Kuro-shima	3.21 45	P	Pn	18 42 21.6 -0.8
YMO8	YMO8	3.21 1	eP	Pn	18 42 23.1 +0.6
JIJ	Ishigaki jima	3.38 44	eP	Pn	18 42 23.2 -1.6
JIJ			eS	Sn	18 43 02.9 -2.1
VVUC	VVUC	3.58 328	eP	Pn	18 42 27.5 0.0
VVUC			eS	Sn	18 43 09.0 -0.7
JISG	Ishigakijimahi	3.65 44	eP	Pn	18 42 26.5 -2.0
JISG			S	Sn	18 43 09.1 -2.3
KNM	Kimmen	3.76 311	eP	Pn	18 42 30.8 +0.7
KNM			eS	Sn	18 43 15.1 +0.8
PTMZ	Houxiangcun	3.79 325	eP	Pn	18 42 29.7 -0.7
PTMZ			eS	Sn	18 43 13.5 -1.4
KNMB	Chin-men Tao	3.83 311	eP	Pn	18 42 30.5 -0.4
KNMB	Chin-men Tao	3.83 311	eP	Pn	18 42 30.1 -0.8

KNMB	baz=317		eS	Sn	18 43 14.3 -1.5
JTJ	Tarama	3.94 47	eP	Pn	18 42 31.3 -1.3
JTJ			S	Sn	18 43 16.9 -1.9
DSXP	Dongshan	4.18 295	eP	Sn	18 42 34.6 -1.1
DSXP			eS	Sn	18 43 21.9 -2.6
JIRB	Irabujima	4.39 49	eP	Pn	18 42 37.4 -1.3
AXDP	Jialang	4.40 312	P	Pn	18 42 38.0 -0.8
AXDP			eS	Sn	18 43 27.2 -2.7
MATB	Ma-tsu	4.42 341	eP	Pn	18 42 39.3 +0.2
MATB			S	Sn	18 43 29.1 -1.4
JMJ2	Miyako jima3	4.45 51	eP	Pn	18 42 38.1 -1.4
JMJ2			eS	Sn	18 43 29.1 -2.0
IJKM	Ikemajima	4.50 48	eP	Pn	18 42 39.1 -1.2
MHZQ	Yeshan	4.72 331	eP	Pn	18 42 42.8 -0.4
LYJJ	Jianjiangzhen	4.85 341	eP	Pn	18 42 44.2 -0.8
XPSS	Dashiuj	5.10 346	eP	Pn	18 42 48.5 +1.0
SXFK	Yanhouchang	5.67 322	eP	Pn	18 42 55.4 -0.1
HKPS	Hong Kong Po S	6.87 274	Pn	Pn	18 43 12.5 -0.3
JOW	Kunigami	7.82 50	Pn	Pn	18 43 24.6 -1.2
JOW	Kunigami	7.82 50	Pn	Pn	18 43 24.9 -0.9
1.6nm,0.3s,baz=150,slow=22,SNR=5-4					
1.3nm,0.9s					
TGY	Tagyatay City	7.83 184	Pn	Pn	18 43 24.6 -1.5
46nm,0.4s,baz=85,slow=14,SNR=1.3					
TGY			LR	LR	18 46 43.2
SSE	comp=Z,1um,21.9s,baz=304,slow=41				
SSE	Sheshan	9.11 358	P	Sn	18 43 44.7 +1.3
SSE				Pmax	18 45 30.2 +4.4
SSE	comp=Z,11nm,0.7s			Pmax	
SSE	comp=Z,72nm,4.5s			Pmax	Pmax
SSE	comp=N,240nm,15.1s			LR	LR
SSE	comp=E,350nm,15.5s			LR	LR
CNSH	ChangSha	9.96 310		Pn	18 43 55.4 +0.2
CNSH			Smax	Smax	18 45 47.5 +0.6
CNSH	comp=N,28nm,0.8s			Smax	
WHN	Wuhan	10.71 324	P	Sn	18 44 08.3 +2.9
WHN			S	Sn	18 46 09.3 +4.1
WHN	comp=N,2um,11.2s			LR	LR
WHN	comp=E,1um,11.9s			LR	LR
WHN	comp=Z,3um,16.0s			LR	LR
GULI	GuLin	10.77 290	eP	Pn	18 44 13.4 +7.1
JNU	Nakatsue	13.86 35	Pn	Pn	18 44 47.5 -0.9
JNU	comp=Z,298nm,18.2s,baz=214,slow=40			LR	LR
2.6nm,0.9s					
LYN	LuoYang	14.87 330	eP	P	18 45 11.8 +3.8
LYN	comp=Z,16nm,0.6s			Pmax	Pmax
LYN	comp=Z,130nm,4.0s			Pmax	Pmax
LYN	comp=N,2um,14.1s			LR	LR
LYN	comp=E,950nm,11.7s			LR	LR
LYN	comp=Z,2um,14.4s			LR	LR
DAV	Davao City (W)	15.31 165	LR	LR	18 51 10.5
comp=Z,54nm,18.8s,baz=336,slow=38					
KSAR	Wonju Array Be	16.38 18	P	Pn	18 45 17.8 -4.1
KSAR	Wonju Array Be	16.38 18	P	Pn	18 45 17.8 -4.1
XAN	Xi'an	16.39 320		P	18 45 27.4 +2.5
XAN	comp=Z,16nm,1.9s			Pmax	Pmax
XAN	comp=Z,710nm,11.8s			LR	LR
XAN	comp=Z,1um,15.1s			LR	LR
XAN	comp=Z,1um,17.5s			LR	LR
KSRS	Korea Array	16.40 18	Pn	Pn	18 45 23.1 +1.0
comp=Z,0.1nm,0.3s,baz=200,slow=13,SNR=13					
KSRS	comp=Z,421nm,18.1s,baz=195,slow=40			LR	LR
comp=Z,5.4nm,1.0s					
SLVN	Son La	16.41 271	P	Pn	18 45 24.7 -0.6
KS19	Wonju Array Si	16.43 18	Pn	Pn	18 45 22.0 -0.6
HNS	HongShan	16.49 340	eS	Sn	18 45 24.8 -1.1
HNS			LR	LR	18 48 24.7 -1.4
HNS	comp=Z,1um,15.1s			LR	LR
HNS	comp=Z,480nm,17.2s			LR	LR
HNS	comp=Z,1um,16.0s			LR	LR
DL2	Dalian	16.89 0	P	S	18 45 33.9 +3.5
DL2				Pmax	18 48 45.2 -1.2
DL2	comp=Z,14nm,1.3s			Pmax	Pmax
DL2	comp=Z,180nm,10.0s			Pmax	Pmax
DL2	comp=Z,530nm,16.0s			LR	LR
DL2	comp=Z,330nm,17.4s			LR	LR
DL2	comp=Z,620nm,18.2s			LR	LR
KMI	Kunming	17.53 284		P	18 45 39.3 +1.5
KMI				P	18 48 56.9 -3.0
KMI	comp=Z,9.0nm,1.1s			Pmax	Pmax
KMI	comp=Z,240nm,13.2s			LR	LR
KMI	comp=Z,460nm,14.2s			LR	LR
KMI	comp=Z,530nm,12.9s			LR	LR
BJT	Baijiatau	18.58 347	P	P	18 45 47.1 -1.9
BJT			Pmax	Pmax	
PZH	PanZhihua	18.61 288	P	Pn	18 45 53.9 +3.9
PZH			S	Pmax	18 49 20.4 -1.4
PZH	comp=Z,10.0nm,0.6s			Pmax	Pmax
PZH	comp=Z,180nm,5.8s			LR	LR
PZH	comp=Z,350nm,14.0s			LR	LR
PZH	comp=Z,380nm,12.2s			LR	LR
INU	Inuyama	19.00 42	P	Pn	18 45 54.9 +0.4
MAJO	Hachio jima 2	19.60 52	LR	LR	18 53 20.5
MAJO	comp=Z,162nm,18.4s,baz=347,slow=36			P	18 46 10.7 +0.4
MAJO	comp=Z,35nm,1.5s			Iamb	Iamb
MAJO	Matsushiro	20.51 41	P	Pmax	18 46 10.7 +0.4
MAJO	comp=Z,35nm,1.5s			Pmax	Pmax
MJAR	Matsushiro Arr	20.51 41	P	Pn	18 46 11.6 -0.8
comp=Z,3.7nm,0.8s,baz=225,slow=8,SNR=8.5				LR	LR
MJAR	comp=Z,120nm,18.4s,baz=218,slow=38			P	18 54 22.3
comp=Z,3.7nm,0.8s					
MJBS	Matsu-Tunnel	20.51 41	P	Iamb	18 46 10.7 +0.4
MJBS			Iamb	Iamb	18 46 22.1
TOLJ	Toitoli	20.73 182	P	Iamb	18 46 12.3 -0.4
TOLJ			Iamb	Iamb	18 46 16.1
LZH	Lanzhou	20.87 316	eP	sP	18 46 17.1 +0.3
					18 46 26.5 +7.3

LZH	comp=Z,30nm,1.7s		Pmax	Pmax	
LZH	comp=Z,240nm,13.7s		LR	LR	
LZH	comp=Z,490nm,17.2s		LR	LR	
LZH	comp=Z,520nm,19.6s		LR	LR	
TNCH	TengChong	21.33 283	P	P	18 46 21.6 +2.2
TNCH			pP	sP	18 48 24.3 0.0
TNCH			sP	pwP	18 46 26.9 +1.9
TNCH			S	S	18 50 12.2 -4.1
TNCH	comp=Z,19nm,1.0s		Pmax	Pmax	
TNCH	comp=Z,110nm,3.8s		Pmax	Pmax	
TNCH	comp=Z,280nm,9.3s		LR	LR	

Table with columns: ZVC, ARSA, CKRC, KHC, KHC, GERES, GERES, GERES, SOKA, OBKA, SQTA, FUORN, FUORN, DAVOX, BORG, FRB. Includes station names, coordinates, and various parameters.

IDC 01 18:52:50.2, 1.8, 21.23N, 121.87E, h0km, mb3.5/8, mbtmp3.5/8, Error ellipse: s-maj=184.0km s-min=21.2km

TAP 01 18:52:55.6, 2.1, 29.19N, 121.59E, h21km, ML3.1, D ISC 01 18:52:57.2, 0.9, 22.01N, 106.12157E, h15km, 5km, n89, c083/87, mb3.6/8, Taiwan region

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, Op, ISC, h, m, s, ISC. Lists numerous stations and their associated data.

Table with columns: WCS, WHF, NACB, ETLH, EOSA, WHP, ENA, NNSB, TNS, WQ1, LATG, NDT, ENT, NFF, YHNB, NSK, FUSB, NWLT, MKAR, MKAR, ZALV, H1N1, H1N2, H1N3, H1S3, H1S1, H1S2, WRA, KURBB, ASAR, BVAR, FINES, NOA. Includes station names, coordinates, and various parameters.

IDC 01 18:56:13.6, 0.6, 56.40S, 205.55W, h0km, mb4.5/10, mbtmp4.5/10, Error ellipse: s-maj=23.4km s-min=17.6km

NEIC 01 18:56:17.5, 1.0, 56.55S, 0.1, 25.5W, 0.2, h23km, 5km, mb5.0/39, Error ellipse: s-maj=21.5km s-min=16.3km

IDC 01 18:56:17.9, 0.4, 56.46S, 205.55W, 0.09, h29km, n182, c067/178, mb5.0/24, 2D, South Sandwich Islands region

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, Op, ISC, h, m, s, ISC. Lists numerous stations and their associated data.

Main table with columns: PB18, VILB, VILB, LPAZ, LPAZ, SAML, SAML, ETMB, ETMB, BOAV, BOAV, DBIC, DBIC, MCRA, MCRA, COHC, COHC, OTAV, OTAV, TOAO, TOAO, TORO, TORO, TORO, TORO, BAUV, BAUV, ASAR, ASAR, NVAR, NVAR, CMAR, CMAR, FINES, FINES, PZH, PZH, BVAR, BVAR, GULI, GULI, KURBB, KURBB, YKA, YKA, WMQ, WMQ, FARO, FARO, FARO, FARO, PLBC, PLBC, M31M, M31M, M31M, M31M, A36M, A36M, OJ2N, OJ2N, NJ2, NJ2, HYT, HYT, M30M, M30M, M30M, M30M, YUK6, YUK6, H31M, H31M, YUK4, YUK4, F31M, F31M, F31M, F31M, G31M, G31M, G31M, G31M, J30M, J30M, INK, INK, INK, INK, PINM, PINM, EPYK, EPYK, YUK3, YUK3, CTG, CTG, I29M, I29M, DAWY, DAWY, HHC, HHC, L27K, L27K, EGAK, EGAK, M26K, M26K, F28M, F28M, K27K, K27K, BMRM, BMRM, L26K, L26K, H27K, H27K, N25K, N25K, G27K, G27K, EYAK, EYAK, D27M, D27M, D27M, D27M, E27K, E27K, J26L, J26L, SCRK, SCRK, KLU, KLU, SONM, SONM, PAX, PAX, M24K, M24K, G26K, G26K, K24K, K24K, J25K, J25K, F26K, F26K, SCM, SCM, PRP, PRP, PRP, PRP, M23K, M23K, PWL, PWL, DHY, DHY, H25L, H25L. Includes station names, coordinates, and various parameters.

1d 19h

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Susitna Watana, Knik Glacier, Camden Bay, Sawmill, Harding Lake, etc.

IDC 01 18:58:38.7±0.7, 56:43S; 25:40W, h0km, mb4.3/8, mbtmp4.3/8, MS4.1/18, Error ellipse: s-maj=27.4km, s-min=18.6km az=78.0

NEIC 01 18:58:44.2±2.2, 56:65S; 0:1±25:3W, 0.2, h35km, 2km, mb4.9/35, Error ellipse: s-maj=24.0km s-min=17.0km az=39.0

GCMT 01 18:58:45.4±0.3, 56:57S; 0:04±25:19W, 0.04, h27km, MW5.0/80, Moment Tensor Solution. s29.c31; s80.c96; Duration: 0 Moment tensor: scale 10^19Nm; Mr2.9±3.20; Mw=0.17±.15; Mw=2.76±.13; Mw1.03±.27; Mw0.11±.09; Mw1.70±.20; Best double couple: Mc3.63500±0.016

NP1.3±0.00000, s38.00000, A53.00000. Principal axes: T 3.8260, P16.65000, Azm318.0000; N -0.3860, P12.0000, Azm170.0000; P -3.4440, P12.0000, Azm75.0000; nst21 refers to body waves, cutoff=400s. nst22 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 01 18:58:44.0±0.5, 56:49S; 0:08±25:77W, 0.10, h35km, n88, 1811/80, mb4.9/21, MS4.1/18, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Hope Point, Neumayer-04, Neumayer Ol ymp, etc.

2017 NOV

Main table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Paso Flores, South Pole Qui, South Pole Qui, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ouen Toro, Port Laguerre, Rentapao, etc.

KSRS	Korea Array	16.42 18 LR	LR	19 21 10.9
KAPI	Kappang	26.81 184 LR	LR	19 26 17.0
ASAJ	Asahikawa	28.11 33 LR	LR	19 27 32.3
KLR	Kul'dur	28.43 14 LR	LR	19 28 37.2
SONM	Songino Array	28.65 33 LR	LR	19 28 56.9
MKAR	Makanchi Array	40.31 318 P	P	19 18 04.1 +2.4
MKAR	1.8nm,0.7s,baz=103,slow=10,SNR=9.8		LR	19 36 14.5
H1N1	WAKE ISLAND Hy 42.20	84 T	T	20 03 28.2
H1N2	WAKE ISLAND Hy 42.20	84 T	T	20 03 28.3
H1N3	WAKE ISLAND Hy 42.20	84 T	T	20 03 26.8
H1S3	WAKE ISLAND Hy 42.20	86 T	T	20 03 29.5
H1S1	WAKE ISLAND Hy 42.20	86 T	T	20 03 31.6
H1S2	WAKE ISLAND Hy 42.20	86 T	T	20 03 31.9
ZALV	Zalesovo Beam	42.42 328 P	P	19 18 20.9 +2.1
WRA	Waramunga Arr	43.38 163 P	P	19 18 25.3 -1.7
KURBB	Kurchatov Arra	44.16 321 P	P	19 18 35.2 +2.3
AAK	Ala-Archa	44.28 309 LR	LR	19 39 26.1
ASAR	Alice Springs	46.82 165 P	P	19 18 52.7 -1.7
BVAR	Borovoye Array	49.74 322 P	P	19 19 17.6 +1.0
BVAR	0.4nm,0.5s,baz=110,slow=6.9,SNR=2.6		PcP	19 20 37.4 0.0
FINES	FINES Array B	73.65 330 LR	P	19 21 59.3 +1.7
BRTR	Keskin Array B	74.90 307 LR	LR	20 00 33.7
OPO	Ambhodratompy	83.22 247 LR	LR	19 58 32.8
POAR	Pinedale Array	100.21 36 LR	LR	20 12 16.1

CNRM 01 19:27:09.4,36°00N,8°41W,h29km,m1.4
 IIGL 01 19:27:11.2,36°02N,8°56W,h36km,ML1.5
 MDD 01 19:27:11.2,1.2,36°11N,8°63W,h69km,26km,Mb2.8/5,
 Error ellipse: s-maj=14.2km s-min=8.4km az=161.0
 INMG 01 19:27:11.3,1.2,36°02N,8°57W,h32km,13km,ML1.4,
 Error ellipse: s-maj=9.5km s-min=4.1km az=37.0
 SFS 01 19:27:12.7,36°25N,8°38W,h10km,ML3.4/8,ML2.6/7,
 MLV2.5/8

Code	Station Name	Δ° AZ°	Phase ID	Time Res
PFVI	Vila Bisbo	1.15 345 eP	Op Pn	19 27 29.4 0.0
PFVI		eS	Sn	19 27 43.4 -0.5
PFVI		A	A	19 27 47.3
PFVI	Vila Bisbo	1.15 345 P	Pn	19 27 29.6 +0.2
PFVI		S	Sn	19 27 44.9 +1.0
PFVI		Pg	Sn	19 27 29.4 0.0
PFVI		Sg	Sn	19 27 42.4 -1.6
MORF	Marletele	1.29 353 eP	Op Sn	19 27 31.4 -0.1
MORF		eS	Sn	19 27 47.7
MORF		A	A	19 27 47.7
MORF	Marletele	1.29 353 eP	Pn	19 27 31.6 +0.1
MORF		eS	Sn	19 27 46.8 -0.7
MORF		IAML		19 27 48.0
PBDV	Barranco-do-Ve	1.29 19 eP	Pn	19 27 32.6 +1.1
PBDV		eS	Sn	19 27 47.8 +0.2
PBDV		A	A	19 27 59.8
PVAQ	Vaqueiros	1.51 23 eP	Pn	19 27 35.2 +0.8
PVAQ		eS	Sn	19 27 52.6 -0.2
PVAQ		A	A	19 28 01.8
PVAQ	Vaqueiros	1.51 23 P	Pn	19 27 33.9 -0.5
PVAQ		S	Sn	19 27 54.9 +2.2
PVAQ		Pg	Sn	19 27 35.2 +0.8
PVAQ		Sg	Sn	19 27 52.9 +0.1
PTEO	Sao Teotonio	1.54 352 eP	Op Sn	19 27 34.9 +0.1
PTEO		eS	Sn	19 27 53.3 -0.2
PTEO		A	A	19 27 56.0
PCVE	Castro Verde	1.65 12 eP	Pn	19 27 37.4 +1.1
PCVE		eS	Sn	19 27 56.1 -0.1
PCVE		A	A	19 28 00.6
EGRO	El Granado	1.65 12 Sn	Pn	19 27 54.4 -1.8
EGRO		Pn	Sn	19 27 38.0 +0.9
EGRO		fl/Vmb_V		19 27 39.0
EMIN	Mina Concepcio	2.26 39 fl/Vmb_V	Pn	19 27 58.0 +0.3
EMIN		Pn	Sn	19 27 57.6 -0.1
EMIN		Pn	Sn	19 27 38.2 +1.1
EMIN		Pn	Sn	19 27 45.2
EMIN	Mina Concepcio	2.26 39 Pn	Pn	19 27 45.6 +0.9
EMIN		Sn	Sn	19 28 10.9 -0.5
EMIN		Sn	Sn	19 27 45.6 +0.9
PBAR	Barrancos	2.44 28 eP	Pn	19 27 49.2 +2.1
PBAR		eS	Sn	19 28 15.3 -0.4
PBAR		A	A	19 28 17.0
PBAR	Barrancos	2.44 28 Pn	Pn	19 27 47.9 +0.8
PBAR		Sn	Sn	19 28 14.7 -1.0
EVO	Evora	2.53 8 Sn	Sn	19 28 16.1 -2.0
EVO		Pn	Sn	19 27 50.7 +2.2
EBAD	Badajoz	2.96 23 Pn	Pn	19 27 55.3 +0.9
EBAD		fl/Vmb_V		19 28 02.3
EBAD	Badajoz	2.96 23 Sn	Sn	19 28 26.9 -1.9
EBAD		Pn	Sn	19 27 55.7 +1.2
EBAD		Sn	Sn	19 28 09.0 +0.2
PMTG	Montargil	3.05 4 eP	Pn	19 27 56.5 +0.9
PMTG		eS	Sn	19 28 29.4 -1.5
PMTG		A	A	19 28 32.3
ECAB	El Cabril	3.19 49 Pn	Pn	19 27 58.5 +1.0
ECAB		fl/Vmb_V		19 27 58.8
ECAB	El Cabril	3.19 49 Pn	Sn	19 28 34.2 -0.1
ECAB		Pn	Sn	19 27 58.6 +1.1
ECAB		Sn	Sn	19 28 29.0 +1.5
PMRV	Marv??o	3.51 14 Pn	Sn	19 28 03.0 +1.1
PMRV		eS	Sn	19 28 40.5 -1.7
EADA	Adamuz	3.78 54 Pn	Pn	19 28 06.8 +1.2
EADA		fl/Vmb_V		19 28 09.4
EADA	Adamuz	3.78 54 Sn	Sn	19 28 48.3 -0.6
EADA		Pn	Sn	19 28 06.7 +1.2
EADA		Sn	Sn	19 28 45.8 -3.0
MD31	MD31	4.39 135 P	Sn	19 28 14.0 -0.2
MD31		S	Sn	19 29 03.5 -0.6
MDT	Midelt	4.52 134 P	Pn	19 28 15.7 -0.1
MDT		S	Sn	19 29 06.6 -0.6
EQES	Quesada	4.67 66 Pn	Sn	19 29 10.0 -1.1
PSIM	Granatula de C	4.68 52 Pn	Sn	19 28 18.9 +0.9
PSIM		Sn	Sn	19 29 08.8 -2.2
OUK	Oukaimeden	4.83 174 S	Sn	19 28 20.3 0.0
OUK		Pn	Sn	19 29 16.8 +1.6
TIOU	Tiouine	5.18 168 Pg	Sn	19 28 50.2 +2.5

JMA 01 19:33:34.8:0.4,22°N,12°1'E, h63km, MV3.9/14,

Code	Station Name	Δ° AZ°	Phase ID	Time Res
LYUB	Lan-yu	0.4 270 fl/P	Op Sg	19 33 42.9 -0.2
LYUB		S	Sg	19 33 45.8 +0.7
LAY	Lan-yu	0.08 296 fl/P	Pg	19 33 42.8 -0.6
LAY		S	Sg	19 33 46.9 +1.3
LDUT	Ludao	0.69 347 eP	Pg	19 33 52.3 -1.3
LDUT		S	Sn	19 34 05.0 -0.5
SMST	Manzhou Townsh	0.74 272 eP	Pg	19 33 53.0 -1.5
TWKBT	Hengchun	0.76 266 P	Pg	19 33 52.9 -2.1
TWKBT		eS	Pg	19 34 01.9 -3.2
TAWH	Dawu Township	0.77 296 eP	Pg	19 33 54.2 -0.9
TAWH		eS	Sg	19 34 04.4 -0.9
TAW	Tawu	0.77 298 eP	Pg	19 33 53.8 -1.3
TAW		eS	Pg	19 34 04.2 -1.0
TWK1	Hengchun	0.77 266 P	Pg	19 33 53.0 -2.1
TWK1		eS	Sg	19 34 01.9 -3.4
EAST	Anshuo	0.82 298 P	Pg	19 33 54.3 -1.8
HEN	Hengchun	0.83 270 P	Pg	19 33 54.4 -1.8
HEN		eS	Pg	19 34 04.8 -2.4
ECL	Taimali	0.86 313 eP	Pg	19 33 55.2 -1.7
ECL		eS	Sb	19 34 07.7 -0.4
TTN	Taitung	0.87 329 eP	Pg	19 33 54.9 -2.2
TWBT	Beinan	0.96 328 P	Pb	19 33 56.8 -1.6
TWGT	Pinglang	0.96 328 P	Pb	19 33 56.9 -1.6
TWGT	Pinglang	0.96 328 P	Pb	19 33 57.3 -1.2
EDH	Donghe	1.01 292 P	Pb	19 33 57.5 -1.7
EDH		S	Sg	19 34 12.2 -0.9
LONT	Longtian	1.01 333 eP	Pg	19 33 58.5 -0.7
MASBT	Mashbuluo	1.11 303 P	Pb	19 33 59.5 -1.4
CHKT	Chengkung	1.12 347 eP	Pb	19 33 59.2 -1.9
CHKT		eS	Sn	19 34 15.7 -0.5
TSMC	Maijia	1.15 308 P	Pb	19 34 00.5 -1.1
ECS	Chishang	1.15 341 eP	Pb	19 33 59.0 -2.7
SSD	Sandimen	1.19 309 eP	Pn	19 34 01.5 -0.5
EHD	Haiduan	1.21 341 eP	Pn	19 34 01.0 -1.4
FULB	Fuli	1.23 345 eP	Pn	19 34 01.0 -1.7
SGLT	Jiouru	1.28 304 eP	Pb	19 34 03.8 0.0
ELDTW	Lidau	1.31 334 eP	Pn	19 34 03.0 0.0
ECBN	Changbin	1.32 353 eP	Pn	19 34 01.8 -2.0
SLGT	Liugui	1.34 317 eP	Pb	19 34 04.5 -0.4
EYUL	Yuli	1.37 348 eP	Pn	19 34 03.8 -0.7
SCST	Cishan	1.37 310 eP	Pg	19 34 06.0 -0.5
TWF1	Fuli	1.38 347 P	Pb	19 34 05.3 -0.3
TWM1	Shoushan	1.39 306 eP	Pb	19 34 06.1 -0.7
TWM1		eS	Sb	19 34 23.3 +0.2
STYH	Taoyuan	1.41 326 eP	Pb	19 34 05.3 -0.6
SNJT	Kaoshiung City	1.41 302 eP	Pn	19 34 04.5 -0.7
YULB	Yu-li	1.42 347 P	Pn	19 34 03.7 -1.5
YULB	Yu-li	1.42 347 P	Pn	19 34 03.8 -1.5
WSSB	Gushan	1.42 297 eP	Pn	19 34 05.7 +0.4
MSGT	Jiashan	1.45 318 eP	Pn	19 34 05.7 0.0
HGSD	Ruisui	1.50 353 eP	Pn	19 34 04.7 -1.6
EHY	Yungye	1.52 349 eP	Pn	19 34 05.5 -1.2
WTP	Ta-pu	1.56 323 eP	Pn	19 34 07.5 +0.3
WTP		eS	Sg	19 34 30.4 0.0
CHN1	Nanshi	1.56 319 eP	Pb	19 34 08.3 -0.3
SHHT	Tainan City	1.56 311 eP	Pb	19 34 08.3 -0.3
SHHT		eS	Sg	19 34 29.7 -0.8
CHN3	Shinhua	1.58 313 eP	Pg	19 34 09.9 -0.7
TPUB	Ta-pu	1.59 325 P	Pn	19 34 08.4 -0.7
TPUB	Ta-pu	1.59 325 eP	Pn	19 34 08.1 +0.5
TPUB		eS	Sg	19 34 30.1 -1.3
SNST	Tainan City	1.60 319 eP	Pb	19 34 08.9 -0.4
SNST		eS	Sg	19 34 32.4 +0.6
TWK	Hsiuying	1.64 320 eP	Pb	19 34 09.7 -0.3
CHN4	Tsashan	1.65 325 eP	Pb	19 34 09.5 -0.7
CHN4		eS	Sg	19 34 33.5 +0.1
EGFH	Guangfu	1.67 354 eP	Pn	19 34 07.0 -1.7
ALS	Alshan	1.68 333 eP	Pn	19 34 08.5 -0.7
WCKO	Fanlu	1.72 327 eP	Pb	19 34 10.7 -0.6
WCKO		eS	Sg	19 34 35.0 -0.4

baz=329	WARBT Fenglin Townsh	1.72 352 eP	Pn	19 34 07.8 -1.6
baz=2.0	WVDT WDT	1.80 346 eP	Pn	19 34 10.2 -0.3
baz=356	ESL Shilin	1.81 354 eP	Pn	19 34 09.1 -1.6
baz=4.0	TSCK Chigu Township	1.83 309 eP	Pn	19 34 10.5 -0.3
baz=33	WHYT Xinyi Township	1.83 337 eP	Pn	19 34 11.4 +0.5
baz=339	ICHU Yijhu	1.84 318 eP	Pn	19 34 10.9 -0.1
baz=321	CHY Chiyai	1.86 323 eP	Pb	19 34 12.9 -0.9
baz=327	SSLB Suanglung	1.88 341 P	Pb	19 34 12.9 -1.3
baz=327	SSLB Suanglung	1.88 341 eP	Pn	19 34 12.1 +0.5
baz=5.0	ETM Tongmen	1.96 356 eP	Pn	19 34 11.3 -1.4
baz=5.0	OWD Renai	1.99 348 eP	Pn	19 34 12.6 -0.6
baz=357	SMLT Sun Moon Lake	1.99 340 eP	Pb	19 34 14.7 -1.4
baz=357	WJS Zhushan	1.99 335 eP	Pb	19 34 14.3 -1.7
baz=322	WJWS	eS	Sg	19 34 11.8 -2.5
baz=322	XLXB Xiulin Townshi	2.02 354 eP	Pn	19 34 42.0 -1.7
baz=3.0	WUSB Renai	2.04 347 eP	Pn	19 34 13.4 -0.5
baz=322	WNT Mingjian	2.06 335 eP	Pb	19 34 16.6 -0.6
baz=322	TWD Chiawan	2.07 359 eP	Pn	19 34 13.9 -0.2
baz=8.0	WSF Szhufu	2.08 322 eP	Pn	19 34 14.7 +0.3
baz=325	CHGB Renai	2.09 348 eP	Pn	19 34 15.0 +0.3
baz=358	WCS Wuyuan Elemen	2.15 342 eP	Pb	19 34 16.9 -1.8
baz=352	WHF Hehuan Shan	2.16 351 eP	Pn	19 34 16.3 +0.4
baz=352	NACB Ninganchiao	2.16 359 P	Pn	19 34 14.1 -1.4
baz=7.0	NACB Ninganchiao	2.16 359 eP	Pn	19 34 13.4 -2.1
baz=7.0	ETLH Xiulin Townshi	2.20 356 eP	Pn	19 34 15.9 -0.2
baz=15	EOSA	2.20 17 eP	Pn	19 34 14.0 -1.7
baz=15	WRL Guolierlin Hig	2.22 329 eP	Pn	19 34 17.3 +1.1
baz=331	TWT Tachien	2.28 349 eP	Pn	19 34 18.5 +1.2
baz=358	TDCB Techi	2.28 349 eP	Pb	19 34 19.2 -1.8
baz=358	WHP Taichung City	2.35 345 eP	Pb	19 34 21.0 -1.2
baz=354	VCHM Oimel	2.36 301 eP	Pn	19 34 17.6 -0.6
baz=305	ENA Nanau	2.42 2 eP	Pn	19 34 18.9 -0.1
baz=10.0	PHUB Peng-hu	2.42 309 eP	Pn	19 34 18.3 -0.8
baz=312	NNSB Datong	2.43 355 eP	Pn	19 34 19.6 +0.4
baz=3.0	NNS Nan Shan	2.44 354 eP	Pn	19 34 21.0 +1.7
baz=3.0	TWQ1 Liyutan	2.46 341 eP	Pb	19 34 22.3 -1.8
baz=329	PNG Penghu	2.47 310 eP	Pn	19 34 19.6 0.0
baz=313	LATG Datong	2.52 358 eP	Pn	19 34 20.9 +0.3
baz=358</				

Table with columns: LAR, LAR, 1.77 291 Pn, Pg, 21 06 22.7 -0.5, JASK Jask - Hormozg, 1.86 128 Pn, Pg, 21 06 24.6 -0.4, UOSS Minazif, 2.08 181 Pn, Pg, 21 06 24.7 +1.0, ASHO Ashiyah, 2.35 184 Pn, Pg, 21 06 30.2 -1.1

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

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

O14K	Tiguyakuivert M baz=246	57.65	29	P	P	21 45 12.9 +0.1	N20K	Mount Spurr baz=254	62.55	29	P	P	21 45 46.5 -0.1	D24K	Happy Valley baz=254	66.17	21	P	P	21 46 10.2 +0.2
N14K	Kuskokwak Cree baz=245	57.73	29	P	P	21 45 13.3 -0.1	C19K	Lookout Ridge baz=243	62.58	19	P	P	21 45 46.3 -0.3	N25K	Chitina, Valde baz=260	66.21	29	P	P	21 46 10.3 -0.3
L14K	Kuka Creek comp=Z,23nm,1.3s	57.89	27	P	I Amb	21 45 14.8 +0.3	J20K	Nowata River baz=243	62.62	26	P	P	21 45 47.0 +0.2	J25K	Satcha River, baz=259	66.41	26	P	P	21 46 11.5 -0.2
L14K	Kuka Creek baz=244	57.89	27	P	P	21 45 15.0 +0.5	J20K	Nowata River baz=251	62.62	26	P	P	21 45 47.3 +0.5	G25K	Bearman Lake baz=257	66.56	24	P	P	21 46 12.4 -0.1
M14K	Bethel baz=245	57.95	28	P	P	21 45 15.3 +0.4	E19K	Redstone River baz=246	62.66	22	P	P	21 45 46.9 -0.1	GLB	Gilchitha Butte baz=250	66.56	30	P	P	21 46 12.1 -0.6
PYUN	Piuthan comp=Z,90nm,1.2s	57.95	293	eP	P	21 45 15.1 -0.7	I20K	Mchedeneel baz=250	62.69	25	P	P	21 45 47.5 +0.2	H25L	Gilch Creek baz=258	66.56	24	P	P	21 46 12.7 +0.2
TNA	Tin City baz=236	57.99	21	P	P	21 45 15.5 +0.4	H20K	Anotleneega Mo baz=249	62.77	24	P	P	21 45 48.2 +0.3	CRQE	Cirque baz=262	66.81	31	P	P	21 46 14.2 -0.2
J14K	Nanvanarak Lak baz=242	58.17	25	P	P	21 45 16.1 -0.4	D19K	Kuna River baz=245	62.79	20	P	P	21 45 47.9 -0.1	SCRK	Santa Creek baz=260	66.88	27	P	P	21 46 14.3 -0.5
O15K	Ungalikthiuk R baz=249	58.30	30	P	P	21 45 17.7 +0.3	BRSE	Bradley Lake S baz=256	62.88	31	P	P	21 45 48.8 +0.1	F25K	Christian River baz=257	66.92	23	P	P	21 46 15.2 +0.3
M15K	Kasigluk River baz=246	58.50	28	P	P	21 45 18.6 -0.1	F20K	Avarakt Lake baz=249	63.03	22	P	P	21 45 49.3 -0.2	MCARA	McCarthy VSAT baz=262	66.93	30	P	P	21 46 15.2 +0.2
N15K	Kwethluk River baz=247	58.55	29	P	P	21 45 19.0 -0.2	PPLA	Purkeypile baz=253	63.05	27	P	P	21 45 49.8 -0.1	L26K	Log Cabin Wild baz=261	67.01	28	P	P	21 46 15.3 -0.2
N15K	Kwethluk River baz=247	58.55	29	P	P	21 45 19.4 +0.2	SKT	Skwentna baz=254	63.08	28	P	P	21 45 49.1 -0.9	D25K	Kavik River baz=256	67.06	21	P	P	21 46 15.4 -0.4
L15K	Ungalak Mouta baz=245	58.56	27	P	P	21 45 18.7 -0.4	HYB	Hyderabad baz=249	63.24	28	eP	P	21 45 51.4 -0.5	E25K	Arctic Village baz=257	67.06	22	P	P	21 46 15.6 -0.2
K15K	Wolf Creek Mout baz=246	58.80	26	P	P	21 45 21.1 +0.2	CAST	Castle Rocks baz=253,SNR=6.7	63.25	27	P	P	21 45 51.1 0.0	M26K	Nabesna, AK baz=262	67.08	29	P	P	21 46 15.4 -0.6
P16K	Nushagak River baz=250	59.12	30	P	P	21 45 23.3 +0.2	E20K	Nigu River baz=249	63.34	21	P	P	21 45 51.4 -0.2	J26L	Joseph Creek baz=260	67.15	26	P	P	21 46 16.0 -0.5
ZAAO	Zalesovo Array comp=Z,16nm,1.1s	59.27	323	P	I Amb	21 45 23.9 -0.3	D20K	Etiuvik River comp=Z,59nm,21.3s,baz=174,slow=33	63.37	20	P	P	21 45 51.9 +0.1	BMAR	Burnt Mountain baz=259	67.28	23	P	P	21 46 17.2 0.0
ZAAO	Zalesovo Array comp=Z,16nm,1.1s	59.27	323	P	I Amb	21 45 25.7	IMAR	Indian Moutai baz=245	63.38	24	P	P	21 45 51.2 -0.7	G26K	Purcupine River baz=259	67.50	24	P	P	21 46 18.6 +0.1
ZALV	Zalesovo Beam comp=Z,18nm,1.2s	59.27	323	P	pmax	21 45 23.9 -0.3	KSH	Kash baz=253	63.55	306	P	P	21 45 56.8 +3.2	BTK	Batken comp=Z,9.2nm,1.1s	67.50	307	P	I Amb	21 46 19.4 +0.2
ZALV	Zalesovo Beam comp=Z,18nm,1.2s	59.27	323	P	pmax	21 45 24.2 0.0	KSH	Kash comp=Z,12nm,1.2s	63.55	306	pP	pmax	21 46 02.1 +0.4	BTK	Batken comp=Z,9.2nm,1.1s	67.50	307	P	I Amb	21 46 19.4 +0.2
ZALV	Zalesovo Beam comp=Z,6.3nm,0.8s,baz=94,slow=5.9,SNR=32	59.27	323	P	LR	21 45 24.3 0.0	O22K	Cooper Landing baz=257	63.55	30	P	P	21 45 52.6 -0.4	BTK	Batken comp=Z,9.0nm,1.1s	67.50	307	P	pmax	21 46 19.4 +0.2
ZALV	Zalesovo Beam comp=Z,4.4nm,18.7s,baz=92,slow=36	59.27	323	P	LR	22 10 59.3	SEW	Seward baz=257	63.59	31	P	P	21 45 53.0 -0.3	F26K	Sheenjek River baz=259,SNR=6.7	67.50	23	P	P	21 46 18.6 +0.1
O16K	Kokkok River B comp=Z,13nm,1.2s	59.27	30	P	P	21 45 24.1 0.0	BOOM	Boomsokoye usch comp=Z,19nm,1.4s	63.60	310	P	I Amb	21 45 53.9 -0.1	KK31	Karatay Array baz=259,SNR=6.7	67.59	310	P	P	21 46 19.4 -0.2
O16K	Kokkok River B comp=Z,13nm,1.2s	59.27	30	P	I Amb	21 45 25.0	BOOM	Boomsokoye usch comp=Z,19nm,1.4s	63.60	310	P	I Amb	21 45 56.2	KK31	Karatay Array baz=259,SNR=6.7	67.59	310	P	pmax	21 46 19.4 -0.2
O16K	Kokkok River B comp=Z,13nm,1.2s	59.27	30	P	P	21 45 24.3 +0.1	BOOM	Boomsokoye usch comp=Z,19nm,1.4s	63.60	310	P	pmax	21 45 53.9 -0.1	KKAR	Karatay Array baz=259,SNR=6.7	67.59	310	P	P	21 46 19.4 -0.2
N16K	Nishilik Lake baz=248	59.28	29	P	P	21 45 24.6 +0.4	H21K	Melozitna Rive baz=251	63.64	24	P	P	21 45 53.7 0.0	KKAR	Karatay Array baz=259,SNR=6.7	67.59	310	P	P	21 46 19.4 -0.2
CHIR	Chirikof Island baz=254	59.32	34	P	P	21 45 25.1 +0.5	G21K	Allakaket baz=251	63.66	23	P	P	21 45 53.4 -0.3	M27K	Edge Creek, AK baz=263	67.59	29	P	P	21 46 19.1 -0.2
M16K	Timber Creek baz=248	59.40	28	P	P	21 45 25.1 +0.1	M22K	Willow baz=256	63.67	29	P	P	21 45 53.2 -0.6	BVAR	Borovoye Array comp=Z,12nm,0.9s,baz=93,slow=7.4,SNR=54	67.66	321	P	LR	21 46 19.7 -0.1
MK31	Makanchi Array comp=Z,17nm,1.3s	59.44	315	P	I Amb	21 45 25.6 0.0	RC01	Rabbit Creek A baz=256	63.69	29	P	P	21 45 52.8 -1.1	BVAR	Borovoye Array comp=Z,12nm,0.9s,baz=93,slow=7.4,SNR=54	67.66	321	P	LR	21 46 19.7 -0.1
MK31	Makanchi Array comp=Z,17nm,1.3s	59.44	315	P	I Amb	21 45 27.8	RC01	Rabbit Creek A baz=256	63.69	29	P	P	21 45 52.7 -1.2	BVAR	Borovoye Array comp=Z,12nm,0.9s,baz=93,slow=7.4,SNR=54	67.66	321	P	LR	21 46 19.7 -0.1
MK31	Makanchi Array comp=Z,17nm,1.3s	59.44	315	P	pmax	21 45 25.9 +0.3	CUT	Chulitna baz=255	63.77	28	P	P	21 45 53.7 -0.7	BVAR	Borovoye Array comp=Z,12nm,0.9s,baz=93,slow=7.4,SNR=54	67.66	321	P	LR	21 46 19.7 -0.1
MK31	Makanchi Array comp=Z,28nm,1.4s	59.44	315	P	pmax	21 45 25.8 +0.2	BPAW	Bear Paw Mtn. baz=254	63.91	26	P	P	21 45 55.1 -0.3	CTG	Chitna Glacier baz=264	67.69	30	P	P	21 46 20.1 +0.1
MKAR	Makanchi Array comp=Z,6.7nm,1.0s,baz=92,slow=7.8,SNR=26	59.44	315	P	LR	21 45 26.3 +0.7	F21K	Alatna River baz=250	63.91	22	P	P	21 45 55.2 -0.2	C26K	Colman Bay baz=257	67.70	21	P	P	21 46 20.2 +0.5
MKAR	Makanchi Array comp=Z,48nm,20.4s,baz=127,slow=37	59.44	315	P	LR	22 12 03.1	TRF	Thorofare Moun baz=255	64.03	27	P	P	21 45 56.0 -0.4	L27K	Beaver Creek, baz=263	67.70	28	P	P	21 46 19.7 -0.2
MKAR	Makanchi Array comp=Z,6.7nm,1.0s,baz=92,slow=7.8,SNR=26	59.44	315	P	LR	22 12 03.1	PMR	Palmer baz=257	64.09	29	P	P	21 45 55.9 -0.6	K27K	Chicken baz=262	67.72	27	P	P	21 46 20.2 +0.2
MKAR	Makanchi Array comp=Z,48nm,20.4s,baz=127,slow=37	59.44	315	P	LR	22 12 03.1	C21K	Knifeblade Rid baz=248	64.17	20	P	P	21 45 55.6 -0.4	BCAR	Beaver Creek A baz=263	67.72	28	P	P	21 46 19.6 -0.5
L16K	Owhat River baz=247	59.44	27	P	P	21 45 25.4 +0.1	H22K	Ishatitna Cre baz=252	64.28	24	P	P	21 45 57.6 -0.2	BRVK	Borovoye baz=272	67.72	321	P	pmax	21 46 20.2 +0.1
R17K	Ugashik Creek baz=252	59.46	32	P	P	21 45 25.9 +0.4	MLY	Manley baz=252	64.28	25	P	I Amb	21 45 57.3 -0.5	BRVK	Borovoye baz=272	67.72	321	P	pmax	21 46 20.2 +0.1
R16K	Anvik River baz=245	59.62	25	P	P	21 45 26.5 0.0	MLY	Manley comp=Z,19nm,1.4s	64.28	25	P	I Amb	21 45 58.9 -0.6	BRVK	Borovoye baz=272	67.72	321	P	pmax	21 46 20.2 +0.1
MAKZ	Makanchi comp=Z,16nm,1.1s	59.65	315	P	I Amb	21 45 26.3 -0.8	MLY	Manley baz=254,SNR=11	64.28	25	P	P	21 45 57.7 -0.2	BRVK	Borovoye baz=272	67.72	321	P	pmax	21 46 20.2 +0.1
MAKZ	Makanchi comp=Z,16nm,1.1s	59.65	315	P	I Amb	21 45 28.7	MLY	Manley baz=254,SNR=11	64.28	25	P	P	21 45 57.7 -0.2	BRVK	Borovoye baz=272	67.72	321	P	pmax	21 46 20.2 +0.1
MAKZ	Makanchi comp=Z,16nm,1.1s	59.65	315	P	pmax	21 45 26.3 -0.8	PWL	Port Wells baz=256	64.30	30	P	P	21 45 57.1 -0.9	I27K	Kandik River baz=262	68.14	25	P	P	21 46 22.4 -0.2
MAKZ	Makanchi comp=Z,16nm,1.1s	59.65	315	P	pmax	21 45 26.3 -0.8	PWL	Port Wells baz=256	64.30	30	P	P	21 45 57.7 -0.4	I27K	Kandik River baz=262	68.14	25	P	P	21 46 22.4 -0.2
Q16K	King Salmon baz=250	59.66	31	P	P	21 45 26.9 +0.1	KNK	Knik Glacier baz=258,SNR=5.4	64.36	29	P	P	21 45 58.2 -0.3	YUK3	Moose Creek baz=264,SNR=6.1	68.19	30	P	P	21 46 23.1 -0.1
O17K	Koliganec Bris baz=250	59.81	30	P	P	21 45 27.8 0.0	B21K	Ikpikpak River baz=248	64.40	20	P	P	21 45 58.1 -0.3	EGAK	Eagle baz=263	68.22	26	P	P	21 46 22.5 -0.6
I17K	Unalakleet baz=249	59.84	25	P	P	21 45 27.7 -0.3	F22K	John River baz=251	64.48	22	P	P	21 45 59.6 +0.5	O28M	Mount Upton baz=263	68.23	31	P	P	21 46 23.8 +0.2
Q17K	Contact Creek baz=252	59.91	32	P	P	21 45 28.2 -0.5	SML	Sawmill baz=257,SNR=8.5	64.51	29	P	P	21 45 58.8 -0.6	H27K	Steamboat Moun baz=262,SNR=8.5	68.27	25	P	P	21 46 23.4 0.0
N17K	Nushagak Hills comp=Z,14nm,1.3s	60.03	29	P	I Amb	21 45 29.2 -0.2	G22K	Bettles baz=252	64.54	23	P	P	21 45 59.2 -0.3	G27K	Doyon Strip baz=261	68.30	24	P	P	21 46 23.3 -0.3
N17K	Nushagak Hills comp=Z,14nm,1.3s	60.03	29	P	P	21 45 32.0	RPZ	Rata Peaks comp=Z,61nm,18.2s,baz=294,slow=36	64.60	159	LR	LR	22 14 12.4	E27K	Golden River baz=261	68.54	23	P	P	21 46 25.1 0.0
L17K	Donlin baz=248	60.12	27	P	P	21 45 30.3 +0.3	WAT1	Susitna Watana baz=257	64.64	28	P	P	21 45 59.4 -0.8	PNL	Peninsula baz=266	68.54	32	P	P	21 46 25.1 -0.1
M17K	Holtina River baz=249	60.23	28	P	P	21 45 31.4 +0.6	AAK	Ala-Archa comp=Z,5.0nm,1.0s	64.67	310	P	pmax	21 46 00.4 -0.6	I28M	Miner Creek baz=265	68.61	26	P	P	21 46 26.4 -0.5
C16K	Lisburne Hills baz=249	60.34	19	P	P	21 45 32.6 +1.2	AAK	Ala-Archa comp=Z,5.0nm,1.0s	64.67	310	P	pmax	21 46 00.4 -0.6	DAWY	Dawson baz=265	68.69	27	P	P	21 46 27.2 -0.3
K17K	Iditarod baz=247	60.34	26	P	P	21 45 32.0 +0.6	AAK	Ala-Archa comp=Z,5.0nm,1.0s	64.67	310	LR	LR	22 15 53.5	D27M	Malcolm River baz=267	68.89	22	P	P	21 46 28.0 +0.5
Q18K	Katmai Hardscr baz=253	60.47	31	P	P	21 45 31.8 -0.8	MCK	McKinley baz=256	64.69	27	P	P	21 46 00.7 -0.8	O29M	Mount Kennedy baz=267	68.99	31	P	P	21 46 28.3 +0.2
G17K	Kiwalik Mouta baz=242	60.57	23	P	P	21 45 33.0 0.0	D22K	Ayikyak River baz=250	64.77	21	P	P	21 46 01.0 0.0	F28M	Old Crow baz=267	69.10	23	P	P	21 46 28.7 +0.2
H17K	Granite Mouta baz=244	60.60	24	P	P	21 45 33.6 +0.3	M23K	Glacier View baz=258	64.78	29	P	P	21 46 00.7 -0.5	YUK6						

1d 22h

Table with columns: ARU, comp, IAmB, IAmB, 21 47 02.1, etc. Lists various stations and their coordinates and frequencies.

2017 NOV

Table with columns: BELC, PSUT, DUG, etc. Lists stations and their coordinates and frequencies for November 2017.

Table with columns: SJA 01 22:26:49.7, GUC 01 22:26:50.6, etc. Lists stations and their coordinates and frequencies for November 2017.

1d 23h

SPS2	comp=N,22µm,0.3s	AML	AML						
SPS2	comp=E,15µm,1.1s	AML	AML						
SPS2	comp=E,47µm,0.4s	AML	AML						
GIB	comp=N,53µm,0.7s	AML	AML						
GIB	Gibilmana	2.48 170	↓ P	P	23 13 39.4 -0.3				
PLLN	Pollina	2.50 168	↓ P	S	23 14 29.6 -0.6				
PLLN					23 14 29.2 -0.3				
PLLN					23 14 29.2 -1.1				
PLLN	comp=E,280µm,0.9s	AML	AML						
PLLN	comp=N,285µm,0.9s	AML	AML						
CSLB	comp=E,280µm,1.1s	AML	AML						
CSLB	Castelbuono	2.54 170	↓ P	S	23 13 39.5 -0.5				
CSLB					23 14 29.6 -1.2				
CSLB	comp=N,41µm,1.4s	AML	AML						
CSLB	comp=N,41µm,0.6s	AML	AML						
CSLB	comp=E,50µm,0.5s	AML	AML						
CELI	comp=N,27µm,0.5s	AML	AML						
CELI	Celico	2.55 113	↓ P	S	23 13 41.0 +0.9				
CELI					23 14 31.6 +0.6				
CELI	comp=E,222µm,1.5s	AML	AML						
CELI	comp=N,224µm,1.5s	AML	AML						
CELI	comp=N,224µm,0.5s	AML	AML						
CELI	comp=E,222µm,0.5s	AML	AML						
CELI	comp=E,79µm,0.5s	AML	AML						
CELI	comp=N,77µm,0.7s	AML	AML						
MSFR	San Fratello	2.55 160	↓ P	P	23 13 40.0 0.0				
MILZ	Milrazzo	2.55 147	↓ P	S	23 13 40.0 0.0				
MILZ					23 14 30.4 -0.4				
MILZ	comp=E,108µm,1.1s	AML	AML						
MILZ	comp=N,98µm,1.0s	AML	AML						
JOPP	Joppolo	2.61 134	↓ P	P	23 13 40.4 -0.1				
JOPP					23 14 31.0 -0.6				
JOPP	comp=E,134µm,0.7s	AML	AML						
FDMO	Fiordimonte	2.61 354	↓ P	P	23 13 41.0 +0.7				
GUMA	Gualdo di Mace	2.63 358	↓ P	P	23 13 41.1 +0.7				
PETRA	Petrailia Sopra	2.65 169	↓ P	S	23 14 31.9 -0.5				
PETRA									
PETRA	comp=E,142µm,0.3s	AML	AML						
PETRA	comp=N,207µm,0.6s	AML	AML						
PETRA	comp=N,207µm,1.4s	AML	AML						
MSRU	Castanea	2.68 143	↓ P	S	23 13 40.5 -0.4				
MSRU					23 14 32.3 -0.2				
MSRU	comp=N,176µm,1.2s	AML	AML						
MSRU	comp=E,263µm,1.5s	AML	AML						
MSRU	comp=N,176µm,0.8s	AML	AML						
ALJA	Alia	2.69 175	↓ P	S	23 13 41.6 +0.5				
ALJA					23 14 33.9 +1.1				
ALJA	comp=E,342µm,0.8s	AML	AML						
ALJA	comp=N,188µm,1.2s	AML	AML						
PIPA	Pietrapola	2.74 109	↓ P	P	23 13 41.9 +0.6				
PIPA									
PIPA	comp=E,111µm,0.3s	AML	AML						
PIPA	comp=N,75µm,1.1s	AML	AML						
PIPA	comp=N,150µm,1.0s	AML	AML						
PIPA	comp=N,150µm,1.0s	AML	AML						
GRI	Girifalco	2.79 124	↓ P	P	23 13 42.4 +0.6				
GRI									
GRI	comp=E,163µm,0.5s	AML	AML						
GRI	comp=N,144µm,0.4s	AML	AML						
MMGO	Monte Magaglia	2.80 188	↓ P	S	23 13 41.7 -0.2				
MMGO					23 14 34.1 0.0				
MMGO	comp=E,31µm,0.9s	AML	AML						
MMGO	comp=N,50µm,1.0s	AML	AML						
MMGO	comp=E,31µm,1.1s	AML	AML						
AIO	Antillo	2.81 150	↓ P	S	23 13 42.1 +0.1				
AIO					23 14 35.6 +1.2				
AIO	comp=N,90µm,0.4s	AML	AML						
AIO	comp=E,84µm,1.2s	AML	AML						
AIO	comp=N,91µm,4.9s	AML	AML						
EPZF	Pizzo Felice	2.82 157	↓ P	P	23 13 42.9 +0.8				
EPZF									
EPZF	comp=E,282µm,1.1s	AML	AML						
EPZF	comp=N,594µm,1.2s	AML	AML						
TIP	Timpagradella	2.82 115	↓ P	S	23 13 42.2 +0.2				
TIP					23 14 32.4 -2.1				
TIP	comp=E,130µm,1.3s	AML	AML						
TIP	comp=N,56µm,0.6s	AML	AML						
TIP	comp=E,130µm,0.7s	AML	AML						
TIP	comp=N,61µm,0.7s	AML	AML						
TIP	comp=E,103µm,0.6s	AML	AML						
SERS	Sersale	2.84 118	↓ P	S	23 13 42.4 +0.2				
SERS					23 14 33.5 -1.3				
SERS	comp=N,110µm,0.5s	AML	AML						
SERS	comp=N,110µm,1.5s	AML	AML						
SERS	comp=E,110µm,0.5s	AML	AML						
SERS	comp=E,94µm,0.4s	AML	AML						
SERS	comp=N,96µm,0.5s	AML	AML						
CLTB	Celtabellotta	2.86 184	↓ P	P	23 13 42.9 +0.5				
GMB	Gambarie	2.91 140	↓ P	S	23 13 42.7 -0.1				
GMB					23 14 34.4 -1.4				
GMB	comp=E,635µm,1.0s	AML	AML						
GMB	comp=N,642µm,1.1s	AML	AML						
GMB	comp=E,635µm,1.0s	AML	AML						
GMB	comp=N,642µm,0.9s	AML	AML						
MURB	Monte Urbino	2.91 346	↓ P	P	23 13 42.8 +0.3				
CAGR	Agira	2.92 164	↓ P	P	23 13 43.4 +0.6				
CAGR									
CAGR	comp=E,134µm,1.0s	AML	AML						
CAGR	comp=N,112µm,0.7s	AML	AML						
PLAC	comp=N,97µm,0.6s	AML	AML						
PLAC	Placancia	3.03 130	↓ P	S	23 13 43.0 -0.6				
PLAC					23 14 34.7 -2.6				

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PLAC	comp=E,172µm,1.5s	AML	AML						
PLAC	comp=N,130µm,1.5s	AML	AML						
PLAC	comp=E,172µm,0.5s	AML	AML						
PLAC	comp=N,166µm,1.0s	AML	AML						
PLAC	comp=E,181µm,1.0s	AML	AML						
VAE	Valguarnera	3.04 166	↓ P	P	23 13 44.9 +1.2				
VAE	comp=N,6.6mm,0.5s,baz=332,slow=12,SNR=9.2				23 14 37.4 -0.1				
CASP	Castiglione de	3.06 321	↓ P	P	23 13 43.7 +0.1				
SOI	Samo	3.10 139	↓ P	P	23 13 40.0 -1.0				
SOI					23 14 35.9 -2.2				
SOI	comp=E,91µm,1.0s	AML	AML						
SOI	comp=N,100µm,0.5s	AML	AML						
HLNI	Lentini	3.27 160	↓ P	P	23 13 44.6 -0.8				
HLNI					23 14 38.1 -2.5				
RAFF	Raffo Rosso	3.28 168	↓ P	S	23 13 45.0 -0.6				
RAFF					23 13 44.7 -0.8				
RAFF					23 14 39.0 -1.9				
RAFF	comp=N,96µm,4.7s	AML	AML						
RAFF	comp=E,102µm,7.4s	AML	AML						
RAFF	comp=E,102µm,0.6s	AML	AML						
OSSC	Ossevatorio P	3.50 332	↓ P	P	23 13 47.0 -0.2				
MEU	Monte Lauro	3.52 161	↓ P	S	23 13 46.8 -0.8				
MEU					23 14 42.5 -2.1				
MEU	comp=E,210µm,1.1s	AML	AML						
MEU	comp=N,325µm,0.6s	AML	AML						
MEU	comp=N,325µm,1.4s	AML	AML						
SMPL	Sampolo	3.57 299	↓ P	S	23 13 48.4 +0.7				
SMPL					23 14 44.3 -0.7				
HMDC	Modica	3.62 163	↓ P	S	23 13 47.9 -0.5				
HMDC					23 14 44.9 -1.1				
HMDC	comp=N,388µm,0.7s	AML	AML						
SCTE	Santa Cesarea	3.83 94	↓ P	P	23 13 50.5 +0.5				
PGF	Pioggiola	3.97 304	↓ P	P	23 13 50.3 -1.0				
MORS	Morsaglia	3.98 311	↓ P	P	23 13 51.8 +0.6				
STON	Ston	3.99 51	↓ P	P	23 13 51.7 +0.4				
HCY	Herceg Novi	4.27 60	↓ P	P	23 13 55.1 +1.2				
HCY	Herceg Novi	4.27 60	↓ P	P	23 13 54.7 +0.8				
HCY					23 14 50.9 -5.5				
TREB	Trebjine	4.31 56	↓ P	P	23 13 55.3 +1.1				
ZCCA	Zocca	4.33 335	↓ P	P	23 13 54.8 +0.4				
NEVS	Nevesinej	4.48 49	↓ P	P	23 13 56.9 +1.0				
BRY	Bratogost	4.52 55	↓ P	P	23 13 57.5 +1.1				
BRY	Bratogost	4.52 55	↓ P	P	23 13 57.2 +0.8				
BRY					23 14 57.5 -3.3				
CEME	Cevo	4.60 61	↓ P	P	23 15 02.4 +0.4				
CEME					23 15 02.4 +0.4				
DRME	Dravecica, Mon	4.64 66	↓ P	P	23 13 59.2 +1.8				
DRME	Dravecica, Mon	4.64 66	↓ P	P	23 13 59.1 +1.7				
DRME					23 15 05.4 +2.7				
WDD	Wied Dalam	4.67 169	↓ P	P	23 13 56.6 -1.1				
PDG	Podgorica	4.78 63	↓ P	P	23 14 00.3 +1.7				
PDG	Podgorica	4.78 63	↓ P	P	23 14 00.8 +2.2				
PDG	Podgorica	4.78 63	↓ P	P	23 14 00.5 +1.9				
PDG					23 15 03.2 -1.8				
MGRS	Mirkonjic Grad	4.79 33	↓ P	P	23 15 05.4 +1.1				
MSSA	Maissana	4.86 324	↓ P	P	23 13 59.0 -0.5				
UPM	Unac-Piva	4.91 54	↓ P	P	23 14 01.8 +1.7				
UPM	Unac-Piva	4.91 54	↓ P	P	23 14 01.6 +1.5				
UPM					23 15 05.3 -2.4				
PRMA	PARMA	4.91 333	↓ P	P	23 13 59.4 -0.5				
TEOL	Teolo	5.10 345	↓ P	P	23 14 03.2 +1.2				
BLY	Banja Luka	5.10 31	↓ P	P	23 14 02.3 +0.5				
SKDS	Skadanska	5.12 4	↓ P	P	23 14 00.7 -1.3				
GORR	Corroto	5.19 325	↓ P	P	23 14 02.8 +0.1				
GORR	Corroto	5.19 325	↓ P	P	23 15 12.6 +0.1				
BOJA	Mirakovica	5.22 28	↓ P	P	23 14 03.6 +0.5				
BOJS	Bojanci	5.23 14	↓ P	P	23 14 02.9 -0.1				
BOJS	Bojanci	5.23 14	↓ P	P	23 14 03.5 +0.5				
BOJS					23 15 11.8 -1.3				
RNCA	Ronca, Sant'Og								

VOIR	9.84	56	↑P	P	23 14 55.0 +2.2
BGF	Bois d'Agland	9.85	312	eP	23 14 52.6 -0.1
WERN	Wernitzgruen	9.88	356	eP	23 14 54.9 +1.9
KRLC	Kralupy	9.96	12	eP	23 14 55.1 +1.7
OKC	Ostrava-Krasne	9.96	18	eP	23 14 55.7 +1.9
GUNZ	Gunzen	9.96	356	eP	23 14 55.9 +2.0
TANN	Tannenbergsht	10.00	356	eP	23 14 56.4 +2.0
RJF	Les Rejoudoux	10.04	303	eP	23 14 54.7 0.0
WERD	Werda	10.04	356	eP	23 14 56.7 +1.9
MEZF	Maizieres J'vi	10.06	326	eP	23 14 54.8 -0.1
TOF	Touix Ste Croi	10.07	309	eP	23 14 54.1 -1.1
PLN	Plauen	10.09	355	eP	23 14 57.0 +1.8
DPC	Dobruska-Polom	10.11	10	eP	23 14 57.2 +1.7
SAVF	Savonnières en	10.11	327	eP	23 14 55.7 +0.2
PYCC	Panska Ves	10.12	4	eP	23 14 57.1 +1.5
EPF	Esparrros	10.16	289	eP	23 14 48.3 -7.9
EPF	Esparrros	10.16	289	eS	23 16 56.2 +5.5
HSKC	Hora Svate Kat	10.17	360	eP	23 14 57.7 +1.6
MOX	Moxa	10.29	353	eP	23 14 59.4 +1.9
OSTC	Ostas	10.30	10	eP	23 14 59.1 +1.5
IDI	Anoyia	10.38	116	eP	23 14 59.8 +1.0
IDI	Anoyia	10.38	116	eP	23 15 00.2 +1.5
IDI	Anoyia	10.38	116	eP	23 15 02.7 -2.7
HYF	Humbigny	10.38	315	eP	23 14 58.0 -0.5
TNS	Taunus Mts	10.40	342	eP	23 15 00.3 +1.6
MLR	Muntele Rosu	10.44	57	eP	23 15 01.0 +1.7
BRG	Berggiesshubel	10.44	2	iP	23 15 01.4 +2.4
BRG	Berggiesshubel	10.44	2	iP	23 15 03.8
BRG	Berggiesshubel	10.44	2	iP	23 15 11.3 +1.2
BRG	Berggiesshubel	10.44	2	iP	23 15 11.6
FBE	Freiberg	10.49	360	eP	23 15 02.3 +2.8
WLF	Walferdange	10.58	333	eP	23 15 03.0 -0.3
WLF	Walferdange	10.58	333	eP	23 15 01.1 +0.6
WLF	Walferdange	10.58	333	eP	23 15 02.3 +1.7
OJC	Ojcow	10.74	22	eP	23 15 02.8 +0.5
ETSF	Etsaut	10.79	288	eP	23 15 03.9 +0.8
CLL	Colim	10.88	358	eP	23 15 04.5 +0.7
CLL	Colim	10.88	358	iP	23 15 05.6 +1.8
CLL	Colim	10.88	358	eP	23 15 06.0 +2.2
BURAR	Bucovina Array	11.09	46	eP	23 15 09.3 +3.0
BHOU	Houzevieux	11.21	336	eP	23 15 07.9 +0.2
RJCH	Ste Jean	11.30	288	eP	23 15 09.0 +0.3
SJPF	Rochefort	11.31	332	eP	23 15 09.2 +0.6
GTGG	Gottingen	11.37	349	eP	23 15 11.3 +2.0
BTNL	Tennel	11.38	336	eP	23 15 11.1 +1.8
GIVF	Givet	11.42	331	eP	23 15 10.0 +0.2
MEMB	Membach	11.44	335	eP	23 15 10.7 +0.7
DOU	Dourbes	11.50	330	eP	23 15 10.7 +0.1
BCLA	Clavier	11.51	333	eP	23 15 10.1 +0.1
BGES	Gesves	11.55	332	eP	23 15 11.6 +0.3
BMRD	Maredsous	11.60	331	eP	23 15 11.8 0.0
BAIF	Baives	11.62	329	eP	23 15 10.9 -1.1
MFF	Saint Martin d	11.65	306	eP	23 15 12.0 -0.3
KARP	Karpathos	11.85	110	eP	23 15 14.5 -0.2
FLCHT	Flechtlingen	11.85	110	eP	23 15 17.2 +1.2
RUE	Ruedersdorf	12.05	1	eP	23 15 18.5 +1.9
ARG	Arkhangelos	12.28	336	eP	23 15 19.0 0.0
LDM	La Druliviere	12.66	315	eP	23 15 22.0 -1.4
MILF	Milestii Mici	12.84	55	eP	23 15 26.0 +0.7
MILM	Millemont	12.88	54	eP	23 16 49.0
MILM	Millemont	12.88	54	eP	23 17 43.0 -1.1
KIS	Kishinev	12.88	54	eP	23 15 27.0 +1.3
KIS	Kishinev	12.88	54	eP	23 16 49.0
KIS	Kishinev	12.88	54	eP	23 17 45.0 +0.2
FLN	La Foliniere	12.96	315	eP	23 15 25.4 -1.1
GRR	Gorron	12.96	313	eP	23 15 25.3 -1.2
SORM	Soroca	13.13	49	iP	23 15 30.1 +1.7
ESBB	Sonseca Array	13.39	272	eP	23 15 31.2 -0.2
ESDC	Sonseca Array	13.39	272	eP	23 15 30.9 -0.6
ESDC	Sonseca Array	13.39	272	eP	23 15 31.3 -0.1
BSEG	Bad Segeberg	13.67	352	eP	23 15 35.5 +1.3
PAB	San Pedro	13.71	372	eP	23 15 34.5 -0.4
SGMF	Saint Gilles	13.87	310	eP	23 15 35.1 -1.3
QUIF	Quistinic	14.07	308	eP	23 15 36.7 -1.9
ROSF	Rothenren	14.33	309	eP	23 15 39.7 -1.7
AKASG	Malin Array Be	15.03	42	eP	23 15 48.6 -0.3
AKASG	Malin Array Si	15.03	42	eP	23 18 23.8 -3.5
AKBB	Malin Array Si	15.03	42	iP	23 15 50.2 +1.3
AKBB	Malin Array Si	15.03	42	iP	23 15 54.4 +0.6
SUW	Suwalki	15.07	22	eP	23 15 48.7 -0.5
BRTR	Keskin Array B	15.45	86	eP	23 15 54.4 +0.6
MDT	Midelt	16.27	248	eP	23 16 03.8 +0.2
PABE	Paberze	16.60	21	eP	23 16 05.5 +0.1
CSS	Mathiatis	16.62	103	eP	23 16 06.2 0.0
BNN	Bunyan	17.30	88	eP	23 16 14.7 +1.4
EKA	Eskdalemuir Ar	18.54	329	eP	23 16 23.9 -1.8
ESK	Eskdalemuir	18.55	329	eP	23 16 24.0 -1.7
ESK	Eskdalemuir	18.55	329	iP	23 16 41.5
DSB	Dublin	18.59	320	eP	23 16 25.6 -0.6
MMAI	Mount Meron Ar	19.04	106	eP	23 16 32.1 +1.2
ARPR	Arpagirj-MALATY	19.14	86	eP	23 16 33.3 +1.4
ARPR	Arpagirj-MALATY	19.14	86	iP	23 16 35.3
HFS	Hagfors	19.72	0	eP	23 16 36.3 -0.4
NC602	NORSAR Array S	20.16	357	eP	23 16 41.9 -0.6
NB2	NORSAR Subarra	20.68	357	eP	23 16 45.5 +0.1
NOA	NORSAR Array B	20.68	357	eP	23 16 45.2 -0.2
NOA	NORSAR Array B	20.68	357	eP	23 16 45.2 -0.2
KBZ	Khabaz	22.03	72	eP	23 17 00.1 +2.2
FINES	FINES Array B	22.40	16	eP	23 17 00.9 -0.1
FINES	FINES Array B	22.40	16	eP	23 17 01.4 +0.4
ONI	Oni	22.50	75	eP	23 17 04.0 +1.8
TOAD	Torodi Ar. Sit	29.09	204	eP	23 18 00.2 -0.7
TOAD	Torodi Ar. Sit	29.09	204	iP	23 18 01.1
TORD	Torodi Ar. Bea	29.09	204	eP	23 18 00.3 -0.6
TORD	Torodi Ar. Bea	29.09	204	eP	23 18 00.4 -0.5
ARCES	ARCES Array B	29.85	8	eP	23 18 07.0 +0.1
ARU	Arti	33.22	46	eP	23 18 36.2 +0.2
ARU	Arti	33.22	46	iP	23 18 37.3
ABKAR	Abkular array	33.64	59	eP	23 18 39.3 -0.5
ABKAR	Abkular array	33.64	59	eP	23 18 39.7 -0.1
GEYT	Alibeck	34.42	79	eP	23 18 47.1 +0.5
GEYT	Alibeck	34.42	79	eP	23 18 47.4 +0.9

GYA0B	ALIBECK ARRAY	34.42	79	eP	23 18 46.8 +0.2
DBIC	Dimbokro	37.42	211	eP	23 19 10.9 -0.9
DBIC	Dimbokro	37.42	211	iP	23 19 11.6
DBIC	Dimbokro	37.42	211	eP	23 19 11.2 -0.5
BRVK	Borovoye	39.88	52	eP	23 19 32.5 +1.0
BRVK	Borovoye	39.88	52	iP	23 19 33.5
BRVK	Borovoye Array	39.95	52	eP	23 19 33.1 +1.1
KKAR	Karatay Array	41.92	67	eP	23 19 48.0 +0.1
KKAR	Karatay Array	41.92	67	eP	23 19 48.5 +0.5
KKAR	Karatay Array	41.92	67	iP	23 19 51.1
KURB	Kurchatov Arra	45.32	54	eP	23 20 14.7 +0.2
KURK	Kurchatov	45.36	54	eP	23 20 14.4 -0.3
ZAAO	Zalesovo Array	48.28	49	eP	23 20 37.1 +0.2
ZAAO	Zalesovo Array	48.28	49	iP	23 20 38.0
ZALV	Zalesovo Beam	48.28	49	eP	23 20 37.0 +0.1
ZALV	Zalesovo Beam	48.28	49	eP	23 20 37.5 +0.6
MK31	Makanchi Array	48.78	58	eP	23 20 41.1 +0.2
MKAR	Makanchi Array	48.78	58	eP	23 20 41.1 +0.3
MKAR	Makanchi Array	48.78	58	eP	23 20 41.2 +0.4
SONM	Songino Array	63.17	49	eP	23 22 22.5 +1.2
LBTB	Lobatshe	66.09	168	eP	23 22 37.6 -2.3
LBTB	Lobatshe	66.09	168	iP	23 22 44.9
F28M	Old Crow	70.40	349	eP	23 23 05.9 +0.2
H29M	Whitestone	71.48	348	eP	23 23 12.6 +0.5

MOS 01 23:29:13.1±1.1, 15:28N:94.02W, h34km, mb5.4/51, MS4.5/6, Error ellipse: s-maj=7.2km s-min=4.6km az=93.4 GCMT 01 23:29:13.9±0.3, 15:16N:01:194.24W±0.02, h38km±1km, MW5.0/102, Moment Tension Solution: s43,c57, s102,c143, Duration: 0 Moment tensor: Scale 10^16Nm; m=0.0-3.8±1.8; Mw=3.0±1.2; Mw=3.4±1.3; Mw=2.10±1.4; Mw=0.17±1.3; Mw=1.77±1.3; Best double couple: M=4.26800x10^16 NP1=315.00000°, 886.00000°, λ=5.00000°. NP2=222.00000°, 850.00000°, λ=5.00000°. Principal axes: T 4.2630, Plg24.0000°, Azm81.00000°, N 0.0180, Plg49.0000°, Azm320.00000°, P -4.2730, Plg30.0000°, Azm186.00000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function MEX 01 23:29:13.9±1.7, 15:17N:94.14W, h43km, mb4.7/27, s-maj=0.30, mL4.93, MS4.2/59, Error ellipse: s-maj=18.5km s-min=9.4km az=54.0 NEIC 01 23:29:16.9±2.2, 15:25N:01:06.94W, h05.95km, 5km, mb5.1/189, Md5.1/67(MEX), Error ellipse: s-maj=8.4km s-min=6.3km az=206.0

CATAC 01 23:29:17.1±1.0, 15:09N:94.12W, h64km, 88km, MB5.6, mb5.6, ML5.4, Hypocenter not reviewed by the ISC BGR 01 23:29:23.2, 15:46N:91.84W, h33km, mb5.4, mB_BB_9, MS4.4

GCG 01 23:29:24.2±1.3, 15:01N:93.30W, h0km, 801km, MD4.9, ISC 01 23:29:15.0±0.4, 15:07N:01:04.94W±0.03, h54km±9km, mb4.9/29, P n1253, e153/1270, mb5.2/215, MS4.3/69, 28C-24D, Near coast of Oaxaca

TPIG	Los Arroyos	4.50	103	eS	23 30 18.9 -1.7
LOAL	Lomas de Alarc	4.50	103	iP	23 30 20.4
LOAL	Lomas de Alarc	4.50	103	iP	23 30 30.3
NUBE	Las Nubes	4.53	104	iP	23 30 20.7
NUBE	Las Nubes	4.53	104	iP	23 30 24.9
FTIG	Fresnillo de T	4.64	308	eP	23 30 23.5 +0.8
FTIG	Fresnillo de T	4.64	308	eP	23 30 23.8 +0.8
PETF	Flores	4.64	66	eS	23 30 21.8 -0.8
CEVE	Cerro Verde	4.69	105	iP	23 30 24.0
CEVE	Cerro Verde	4.69	105	iP	23 31 34.1
TLPI	Tlapa	4.79	302	eP	23 30 25.3 +0.5
ESQI	Escuapulas	4.82	95	eP	23 30 24.6 -0.6
MTO3	Montecristo	4.82	97	eP	23 30 23.8 -1.5
MTO3	Montecristo	4.82	97	iP	23 30 24.7
MTO3	Montecristo	4.82	97	iP	23 32 26.9
SCIG	Salamanca	4.88	37	eP	23 30 25.0 -1.0
SCIG	Salamanca	4.88	37	eS	23 31 18.1 -3.2
JAUV	Jalcomulco	4.90	331	eP	23 30 23.7 -2.5
JAUV	Jalcomulco	4.90	331	iP	23 31 18.3 -3.3
JAYA	Jayaque - finc	4.90	106	iP	23 30 25.4
JAYA	Jayaque - finc	4.90	106	iP	23 31 19.5
JAYA	Jayaque - finc	4.90	106	iP	23 31 28.1
PMON	Piamonte	5.01	105	iP	23 30 27.6
PMON	Piamonte	5.01	105	iP	23 31 30.8
LVIG	Laguna Verde	5.05	337	eP	23 30 25.8 -2.5
LVIG	Laguna Verde	5.05	337	eS	23 31 14.3 -1.1
LALI	Alcalda de L	5.07	107	iP	23 30 28.7
LALI	Alcalda de L	5.07	107	iP	23 31 45.1
SNET	Sen Nac Est T	5.10	105	eP	23 30 28.0 -1.0
LOMA	Loma Larga	5.17	105	iP	23 30 30.7
LOMA	Loma Larga	5.17	105	iP	23 30 55.5
LOMA	Loma Larga	5.17	105	iP	23 30 55.9
LOMA	Loma Larga	5.17	105	iP	23 31 49.8
PANCS	Alcalda de S	5.17	106	iP	23 30 29.2
PANCS	Alcalda de S	5.17	106	iP	23 30 41.0
SJTE	Alcalda de S	5.33	105	iP	23 30 34.2
SJTE	Alcalda de S	5.33	105	iP	23 31 32.9
PAVA	Las Pavas	5.37	104	iP	23 30 32.4
PAVA	Las Pavas	5.37	104	iP	23 30 43.4
PAVA	Las Pavas	5.37	104	iP	23 30 44.3
PAVA	Las Pavas	5.37	104	iP	23 30 44.6
COEG	Centro de Oper	5.44	105	iP	23 30 33.6
COEG	Centro de Oper	5.44	105	iP	23 30 41.5
COEG	Centro de Oper	5.44	105	iP	23 30 41.5
COEG	Centro de Oper	5.44	105	iP	23 30 41.5
DAIG	Los Arroyos	5.50	291	eP	23 30 33.6 -0.9

1d 23h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like COPN, MOM2, MATN, and many others.

2017 NOV

Table with columns for call sign, frequency, power, and other technical details. Includes stations like MNXX, MNTX, PIZC, and many others.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like SDDR, BARC, CHSH, and many others.

PTLC	Puerto Leguiza	24.30	126	eP	P	23 34 31.9	+4.2
W18A	Petrified Fore	24.31	328	P	P	23 34 27.7	-0.1
baz=140							
PTGC	Puerto Gaitan,	24.34	114	eP	P	23 34 29.0	+0.9
SS1A	Beattyville	24.40	21	P	P	23 34 26.6	-1.8
baz=205,SNR=7.2							
SS1A						23 34 26.6	-1.8
baz=205,SNR=7.2							
P40A	Paris	24.45	4	P	P	23 34 27.4	-1.3
baz=185,SNR=36							
P38A	Dawn	24.47	1	P	P	23 34 28.0	-0.9
baz=181,SNR=12							
R49A	Shelbyville	24.49	18	P	P	23 34 27.2	-2.0
baz=201,SNR=9.0							
R49A						23 34 27.2	-2.0
baz=201,SNR=9.0							
U56A	King	24.56	28	P	P	23 34 28.8	-1.1
baz=214,SNR=6.2							
U56A						23 34 28.8	-1.1
baz=214,SNR=6.2							
SDCO	Great Sand Dun	24.67	338	P	Iamb	23 34 31.6	+0.5
SDCO						23 34 46.0	
SDCO	Great Sand Dun	24.67	338	P	Iamb	23 34 32.8	+1.6
SDCO						23 34 33.8	+2.0
SDCO	Great Sand Dun	24.67	338	P	Iamb	23 34 29.3	-1.9
SDCO						23 34 29.3	-1.9
V58A	Windy Hill Pt	24.71	31	P	P	23 34 29.3	-1.9
baz=217,SNR=12							
V58A						23 34 29.3	-1.9
baz=217,SNR=12							
R50A	Paris	24.74	19	P	P	23 34 29.7	-1.8
baz=203,SNR=6.5							
R50A						23 34 29.7	-1.8
baz=203,SNR=6.5							
P43A	Skaggs, Pawnee	24.83	9	P	P	23 34 31.3	-1.0
baz=180							
KSCO	Kaye Shedlock	24.95	344	P	Iamb	23 34 34.5	+1.0
KSCO						23 34 48.2	
S22A	4UR Ranch, Cre	25.17	336	P	P	23 34 36.6	+0.9
baz=159							
P46A	Rosedale	25.23	13	P	P	23 34 34.3	-1.6
baz=196,SNR=24							
BLA	Blacksburg	25.27	27	P	Iamb	23 34 34.5	-1.8
BLA						23 35 05.2	
BLA	Blacksburg	25.27	27	P	Iamb	23 34 34.8	-1.5
BLA						23 34 34.5	-1.8
BLA	Blacksburg	25.27	27	P	Iamb	23 34 34.5	-1.8
BLA						23 34 34.5	-1.8
MVCO	Mesa Verde	25.41	333	P	P	23 34 38.8	+0.9
MVCO						23 34 39.0	+1.2
WUAZ	Wupatki	25.48	326	P	Iamb	23 34 39.6	+1.3
WUAZ						23 34 55.3	
WUAZ	Wupatki	25.48	326	P	Iamb	23 34 39.7	+1.4
WUAZ						23 34 36.0	-2.2
SSFO	Shawnee State	25.48	20	P	P	23 34 36.0	-2.2
O44A	Mansfield	25.50	10	P	P	23 34 36.9	-1.4
baz=192,SNR=6.4							
P48A	Milroy	25.51	16	P	P	23 34 35.8	-2.6
baz=200,SNR=16							
P48A						23 34 35.8	-2.6
baz=200,SNR=16							
R53A	Hurricane	25.61	23	P	P	23 34 37.0	-2.3
baz=208,SNR=10.0							
R53A						23 34 37.0	-2.3
baz=208,SNR=10.0							
T57A	Hurt	25.61	29	P	P	23 34 38.3	-1.1
baz=215							
T57A						23 34 38.3	-1.1
baz=215							
N38A	Joel South For	25.64	2	P	P	23 34 39.3	-0.3
baz=182,SNR=7.4							
N41A	Harden Midland	25.72	6	P	P	23 34 39.2	-1.1
baz=187,SNR=12							
Q51A	Peebles	25.73	20	P	P	23 34 38.9	-1.5
baz=204,SNR=16							
Q51A						23 34 38.9	-1.5
baz=204,SNR=16							
P49A	Miami Univ. Ec	25.78	17	P	Iamb	23 34 37.9	-2.9
P49A						23 34 39.5	
P49A	Miami Univ. Ec	25.78	17	P	Iamb	23 34 38.5	-2.3
P49A						23 34 38.6	-2.3
P49A	Miami Univ. Ec	25.78	17	P	Iamb	23 34 43.5	+0.8
ESJX	Sierra Juarez	25.96	314	P	P	23 34 43.5	+0.8
RCRC	Randolf Colleg	25.96	28	P	P	23 34 40.9	-1.8
SFIN	Lafayette	25.98	13	P	P	23 34 40.6	-2.1
baz=195,SNR=10.0							
SFIN	Lafayette	25.98	13	P	P	23 34 41.9	-1.4
baz=195,SNR=10.0							
Q52A	Bidwell	26.05	22	P	P	23 34 41.9	-1.4
baz=207,SNR=15							
Q52A						23 34 41.9	-1.4
baz=207,SNR=15							
PDMC	Parker Dam,Lak	26.21	320	P	P	23 34 46.2	+1.4
baz=131							
P51A	Williamsport	26.24	20	P	P	23 34 42.8	-2.2
baz=205,SNR=9.8							
P51A						23 34 42.8	-2.2
baz=205,SNR=9.8							
YUH	Yuha Desert	26.32	315	P	Iamb	23 34 47.5	+1.6
YUH						23 35 02.8	
O48B	Farmland	26.33	16	P	P	23 34 43.5	-2.4
baz=200,SNR=10							
O48B	Farmland	26.33	16	P	P	23 34 43.3	-2.6
baz=200,SNR=10							
BAUV	El Baul	26.38	100	P	Iamb	23 34 43.1	-3.5
BAUV						23 34 47.8	
SWSC	Sam W. Stewart	26.41	316	P	P	23 34 48.8	+2.1
baz=126							
IKP	In-Ko-Pah, Jac	26.45	315	P	P	23 34 50.0	+2.9
baz=128							
BGNE	Belgrade	26.45	353	P	P	23 34 47.1	+0.1
baz=171							
SMCO	Snowmass	26.47	338	P	Iamb	23 34 48.5	+0.9
SMCO						23 35 04.2	
O49A	Covington	26.49	17	P	P	23 34 45.2	-2.1
baz=201,SNR=20							
O49A						23 34 45.2	-2.1
baz=201,SNR=20							
ISCO	Idaho Springs	26.55	340	P	P	23 34 49.0	+0.8
ISCO						23 34 50.1	+1.9
ISCO	Idaho Springs	26.55	340	P	P	23 34 49.1	+0.9
ISCO						23 34 49.0	+0.8
ISCO	Idaho Springs	26.55	340	P	P	23 34 46.3	-2.0
ISCO						23 34 46.3	-2.0
ISCO	Idaho Springs	26.55	340	P	P	23 34 49.4	+0.6
ISCO						23 34 49.9	+1.1
ISCO	Idaho Springs	26.55	340	P	P	23 34 47.7	-1.4
ISCO						23 34 52.3	+0.7
ISCO	Idaho Springs	26.55	340	P	P	23 34 48.5	-1.1
ISCO						23 34 49.0	-0.7
ISCO	Idaho Springs	26.55	340	P	P	23 34 48.8	-0.9
ISCO						23 34 48.0	-1.9
M44A	Midewin, Midew	26.78	10	P	P	23 34 47.1	-2.8
baz=193							
N47A	Urbana	26.78	15	P	P	23 34 47.1	-2.8
baz=198,SNR=6.4							
N47A						23 34 47.1	-2.8
baz=198,SNR=6.4							
MONP2	Monument Peak	26.80	315	P	P	23 34 51.4	+1.0
baz=125							
ACSO	Alum Creek Sta	26.95	19	P	P	23 34 49.2	-2.2
ACSO						23 35 14.8	
ACSO	Alum Creek Sta	26.95	19	P	P	23 34 49.5	-1.9

baz=204							
ACSO	Alum Creek Sta	26.95	19	P	P	23 34 49.3	-2.1
baz=204							
L40A	Anamosa	27.03	5	P	P	23 34 50.8	-1.3
baz=189,SNR=24							
ATAH	Atahualpa	27.11	143	LR	LR	23 34 22.2	
comp=Z,19nm,19.9s							
L42A	Oliver, Polo	27.13	8	P	P	23 34 51.4	-1.6
baz=328,slow=34							
BELC	Belle Mtn. Jos	27.19	318	P	P	23 34 55.6	+1.7
baz=128							
O52A	Adamsville	27.22	21	P	P	23 34 51.6	-2.3
baz=207,SNR=15							
O52A						23 34 51.6	-2.3
baz=207,SNR=15							
TPFO	Pinon Flats	27.25	317	P	P	23 34 52.5	-1.8
baz=126							
PFO	Pinon Flats O	27.25	317	P	P	23 34 57.8	+3.4
baz=126							
PFO	Pinon Flats O	27.25	317	P	P	23 34 58.0	+3.6
baz=126							
PFO	Pinon Flats O	27.25	317	LR	LR	23 47 01.2	
comp=Z,10.0nm,0.9s							
PFO	Pinon Flats O	27.25	317	LR	LR	23 47 01.2	
comp=Z,4.88nm,18.2s							
KNB	Kanab	27.37	326	P	P	23 34 56.5	+1.0
KNB						23 34 56.5	+1.0
KNB	Kanab	27.37	326	P	P	23 34 56.5	+1.0
KNB						23 34 56.5	+1.0
KNB	Kanab	27.37	326	P	P	23 34 56.5	+1.0
KNB						23 34 56.5	+1.0
CBN	Corbin Fender	27.47	30	P	P	23 34 54.8	-1.2
comp=Z,20nm,1.1s							
CBN						23 34 54.8	-1.2
baz=217							
GMRC	Granite Mounta	27.47	319	P	P	23 34 58.2	+1.9
baz=130							
K38A	Parkersburg	27.51	2	P	P	23 34 54.9	-1.6
K38A						23 34 55.2	-1.2
K38A	Parkersburg	27.51	2	P	P	23 34 56.2	-0.7
baz=183							
O53A	New Philadelph	27.56	22	P	P	23 34 55.1	-1.8
baz=183							
L44A	Lake County Fo	27.57	10	P	P	23 34 59.4	+2.0
baz=193						23 35 01.0	+3.0
LCMT	Little Creek M	27.59	326	P	P	23 34 59.4	+2.0
N23A	Red Feather La	27.65	341	P	P	23 34 56.0	-2.3
baz=129							
L46A	Eue Claire	27.72	13	P	P	23 34 56.0	-2.3
baz=196,SNR=5.3							
L46A						23 34 56.0	-2.3
baz=196,SNR=5.3							
O20A	White River Ci	27.79	337	P	P	23 35 01.3	+2.2
baz=149							
JFWS	Jewell Farm	27.96	6	P	Iamb	23 34 58.6	-1.9
JFWS						23 35 00.1	
JFWS	Jewell Farm	27.96	6	P	Iamb	23 34 59.2	-1.2
JFWS						23 34 58.6	-1.9
JFWS	Jewell Farm	27.96	6	P	Iamb	23 34 59.2	-1.2
JFWS						23 34 58.6	-1.9
JFWS	Jewell Farm	27.96	6	P	Iamb	23 34 59.2	-1.2
JFWS						23 34 58.6	-1.9

D22K	Aiykyak River	64.89	340	P	P	23 39 49.4	+1.0
H19K	Roundabout Mou	64.98	336	P	P	23 39 49.4	+0.4
N15K	Kwetluk River	65.05	330	P	P	23 39 49.0	-0.6
EUNU	Eureka	65.11	2	P	P	23 39 50.1	+0.4
L16K	Ohwat River	65.14	332	P	P	23 39 50.3	+0.2
E21K	Kilik River	65.14	339	P	P	23 39 50.3	+0.2
F20K	Avaraart Lake	65.24	338	P	P	23 39 51.8	+1.2
G19K	Purcell Mouna	65.44	337	P	P	23 39 52.9	+1.0
H18K	Honhosa River	65.62	335	P	P	23 39 53.0	-0.2
C21K	Knifblade Rid	65.69	340	P	P	23 39 53.8	+0.2
B22K	Teshkepuk Lake	65.74	341	P	P	23 39 55.1	+1.3
FALS	False Pass	65.80	324	P	P	23 39 56.0	+1.5
SUMG	Summit	65.81	16	P	Iamb	23 39 54.5	-0.2
SUMG	Summit	65.81	16	P	P	23 39 54.6	-0.2
SUMG	Summit	65.81	16	P	P	23 39 54.0	-0.7
B21K	Ikpikuk River	65.82	341	P	P	23 39 56.0	+1.6
E20K	Nigu River	65.83	339	P	P	23 39 55.6	+1.0
F19K	Shaleruckik Mo	65.92	337	P	P	23 39 55.6	+0.6
E19K	Redstone River	65.93	338	P	P	23 39 55.4	+0.3
G18K	Tagagawik	65.97	336	P	P	23 39 55.4	0.0
NEEM	North Greenlan	66.04	9	P	Iamb	23 39 55.4	-0.6
J16K	Anvik River	66.05	333	P	P	23 39 57.2	+1.2
L15K	Ungalak Mouna	66.06	331	P	P	23 39 57.6	+1.6
M14K	Bethel	66.08	330	P	P	23 39 57.2	+1.1
D20K	Etilvuk River	66.14	339	P	P	23 39 58.4	+1.8
H17K	Granite Mouna	66.19	335	P	P	23 39 58.3	+1.4
K15K	Wolf Creek Mou	66.22	332	P	P	23 39 59.4	+2.3
A22K	Sinclair Lake	66.48	342	P	P	23 39 59.6	+1.1
L14K	Kuka Creek	66.55	331	P	P	23 39 59.1	0.0
D19K	Kuna River	66.59	339	P	P	23 40 00.7	+1.3
G17K	Kiwalik Mouna	66.65	335	P	P	23 40 00.6	+0.9
M13K	Dall Lake	66.69	330	P	P	23 40 00.8	+0.8
B20K	Meade River	66.79	334	P	P	23 40 01.0	+0.5
H16K	Elim	67.08	334	P	P	23 40 04.5	+2.0
E18K	Tukpahleark C	67.15	337	P	P	23 40 03.8	+0.8
J14K	Nanvaranak Lak	67.24	332	P	P	23 40 05.6	+2.1
C19K	Lookout Ridge	67.29	339	P	P	23 40 05.4	+1.5
G16K	Koyuk River	67.31	335	P	P	23 40 04.8	+0.9
SUNV	Unalaska Valle	67.48	322	P	P	23 40 06.4	+1.2
E17K	Hotham Inlet	67.52	337	P	P	23 40 06.6	+1.4
B18K	Kokolik River	68.12	339	P	P	23 40 09.5	+0.5
F15K	North Star Dit	68.31	335	P	P	23 40 11.6	+1.4
ALE	Alert	68.67	4	P	P	23 40 11.9	-0.3
BORG	Borgarnes	69.22	26	P	P	23 40 16.9	+1.0
BORG	Borgarnes	69.22	26	P	P	23 40 16.9	+1.0
BORG	Borgarnes	69.22	26	LR	LR	00 09 36.9	
DAG	Danmarks Havn	72.14	14	P	Iamb	23 40 32.0	-1.5
NOR	Nord	73.38	9	P	Iamb	23 40 40.1	-0.7
RAR	Rarotonga	73.67	242	LR	LR	00 03 59.5	
JMIC	Jan Mayen	74.49	20	LR	LR	00 14 17.4	
IWEX	Carrickbyrne,	76.72	39	P	P	23 41 00.1	-0.3
KPL	Plockton	76.73	34	P	Iamb	23 41 01.2	-0.9
DSB	Dublin	76.84	38	P	P	23 41 00.9	-0.3
LAWE	Loch Awe, Argy	77.01	35	P	Iamb	23 41 01.6	-0.4
PSBE	So Bento	77.15	52	P	P	23 41 01.8	-1.4
PGAV	Gavieira, Arco	77.17	50	P	P	23 41 02.5	-0.9
PACT	Alcochete	77.24	53	P	P	23 41 02.2	-1.5
PCAS	Casmilo, Conde	77.29	52	P	P	23 41 03.1	-0.9
COI	Coimbra	77.33	52	P	P	23 41 01.6	-2.6
PFVI	Vila Bisbo	77.51	55	P	P	23 41 03.5	-1.7
PTEO	Sao Teodoro	77.52	54	P	P	23 41 03.9	-1.4
PNCL	Nicolau / Gran	77.58	54	P	P	23 41 03.7	-1.9
GALI	Galloway	77.59	36	P	P	23 41 05.3	0.0
PALO	Lamas de Oio	77.61	50	P	P	23 41 03.7	-2.2
MORF	Marlete	77.62	54	P	P	23 41 04.8	-1.1
MORF	Marlete	77.62	54	P	Iamb	23 41 04.6	-1.3
MORF	Marlete	77.62	54	P	P	23 41 04.6	-1.3
MPV	Visu	77.64	51	P	P	23 41 04.3	-1.7
PMTG	Montargil	77.66	53	P	P	23 41 03.7	-2.3
WIM	Isle of Man	77.72	37	P	P	23 41 06.4	+0.4
INVG	Invergelddie, C	77.73	35	P	Iamb	23 41 06.3	+0.2
IOMK	Kirk Michael	77.76	37	P	Iamb	23 41 06.7	+0.4
NEWG	New Galloway	77.83	36	P	Iamb	23 41 06.3	-0.4
MTE	Manteigas	77.96	51	P	P	23 41 06.3	-1.5
MTE	Manteigas	77.96	51	P	Iamb	23 41 05.9	-1.8
MCD	Coleburn Disti	77.98	33	P	Iamb	23 41 07.2	-0.2
RSBS	Rosebush, Pemb	78.02	39	P	Iamb	23 41 06.8	-1.0
PCVE	Castro Verde	78.04	54	P	P	23 41 08.0	-0.2
PCBR	Castelo Branco	78.10	52	P	P	23 41 06.7	-1.8
PBEJ	Beja	78.11	54	P	P	23 41 06.7	-1.9

PESTR	Estremoz	78.18	53	P	P	23 41 07.8	-1.2
PBDV	Barranco-do-Ve	78.19	54	P	P	23 41 07.6	-1.5
MVO	Micob	78.22	50	P	P	23 41 07.4	-1.8
PMRV	Marv???	78.24	52	P	P	23 41 07.8	-1.5
PBRG	Braganca	78.32	50	P	P	23 41 07.6	-2.1
HTL	Hartland	78.33	53	P	P	23 41 09.6	+0.1
PVAQ	Vaqueiros	78.33	54	P	P	23 41 09.3	-0.5
ESK	Eskdalemuir	78.38	36	P	Iamb	23 41 09.8	+0.1
EKA	Eskdalemuir	78.38	36	P	P	23 41 09.0	-0.7
EKA	Eskdalemuir	78.38	36	P	P	23 41 09.0	-0.7
EKA	Eskdalemuir	78.38	36	P	P	23 41 10.1	+0.3
DRUM	Mains of Drum	78.50	34	P	Iamb	23 41 10.6	+0.3
PBAR	Barrancos	78.73	53	P	P	23 41 09.7	-2.3
FOEL	Foel Wyifa	78.79	38	P	Iamb	23 41 11.8	-0.2
HLM1	Long Mynd	79.05	38	P	P	23 41 13.5	0.0
MCH1	Michaelchurch	79.07	39	P	Iamb	23 41 12.7	+0.8
SHEM	Shemys Is, Ala	79.12	322	LR	LR	00 11 51.2	
EDMM	Edmond	79.22	39	P	P	23 41 14.5	+0.5
MONM	Monmouth	79.22	39	P	Iamb	23 41 14.4	0.0
AVE	Averroes	79.33	58	P	Iamb	23 41 13.9	-1.5
OUK	Okukaimeden	79.35	60	P	P	23 41 16.0	0.0
SPA0	Spitsbergen Ar	79.48	11	P	P	23 41 16.8	+1.4
SPITS	Spitsbergen Ar	79.48	11	P	P	23 41 15.6	+0.2
SPITS	Spitsbergen Ar	79.48	11	P	P	23 41 16.3	+0.9
LBWR	Ladybowyer, Pea	79.57	37	P	Iamb	23 41 16.7	+0.4
STRD	Stroud	79.62	39	P	Iamb	23 41 16.6	+0.1
CWF	Charmwood Ore	79.95	38	P	P	23 41 18.6	+0.3
WOL	Wolverton	80.29	39	P	P	23 41 20.4	+0.2
OUZM	Ouz	80.34	61	P	P	23 41 20.1	-0.9
PAB	San Pablo	80.53	52	P	P	23 41 20.5	-1.3
PAB	San Pablo	80.53	52	P	P	23 41 21.0	-0.9
PAB	San Pablo	80.53	52	P	P	23 41 20.5	-1.3
ESDC	Seneca Array	80.79	51	P	Iamb	23 41 22.1	-1.1
ESDC	Seneca Array	80.79	51	P	Iamb	23 41 22.2	-1.0
ESDC	Seneca Array	80.79	51	P	LR	00 11 58.3	
ESBB	Seneca Array	80.80	51	P	P	23 41 22.0	-1.2
FOO	Flo	81.26	29	P	P	23 41 25.1	0.0
SUNV	Sulen	81.27	29	P	P	23 41 26.6	+1.4
CZM	Col de Zad	81.33	58	P	P	23 41 27.0	+0.5
LCRM	LCR	81.34	57	P	P	23 41 26.0	-0.4
BER	Bergen	81.72	30	P	P	23 41 28.5	+1.0
MDT	Midelt	81.73	58	P	P	23 41 27.7	-0.7
MDT	Midelt	81.73	58	P	P	23 41 27.4	-1.0
MDT	Midelt	81.73	58	P	LR	00 14 08.6	
HYA	Hoyanger	81.91	29	P	P	23 41 30.1	+1.6
AKN	Aaknes	81.98	28	P	P	23 41 29.8	+0.8
MFF	Saint Martin d	82.01	44	P	P	23 41 28.3	-1.1
ARF	Arif	82.36	60	P	P	23 41 32.0	+0.3
BLSS	Blasjo	82.53	30	P	LR	23 41 33.4	+1.5
PMSA	Palmer Station	82.87	167	LR	LR	00 11 21.1	
DOMB	Dombas	82.95	28	P	P	23 41 35.5	+1.5
LF	La Freestale	83.01	45	P	P	23 41 33.7	-1.0
SKAR	Skarslia	83.04	29	P	P	23 41 35.7	+1.1
TBLU	Troldheim	83.08	26	P	P	23 41 36.1	+1.5
SNART	Snartemo	83.23	31	P	P	23 41 36.3	+0.8
CLF	Chambon-foret	83.25	42	P	P	23 41 35.4	+0.5
STEI	Steigen	83.27	21	P	P	23 41 36.3	+0.8
NSS	Namsos	83.34	25	P	P	23 41 36.7	+0.7
FAUS	Fauske	83.51	22	P	P	23 41 38.9	+2.1
MORH	Moi Rana	83.68	23	P	P	23 41 39.2	+1.5
HOMB	Homborsund	83.90	31	P	P	23 41 41.0	+2.1
CAF	Calviac	83.92	45	P	P	23 41 38.2	-1.2
NC204	NORSAR Array S	83.97	28	P	P	23 41 40.1	+0.8
KONO	Kongsberg	83.98	30	P	P	23 41 40.5	+1.2
KONO	Kongsberg	83.98	30	P	P	23 41 39.7	+0.4
DOU	Dourbes	84.17	40	P	P	23 41 40.3	-0.2
BMRD	Maredsous	84.22	40	P	P	23 41 40.4	-0.3
JETT	Jettan, Norway	84.26	19	P	P	23 41 41.7	+1.1
NB2	NORSAR Subarra	84.26	28	P	P	23 41 41.9	+1.1
NB2	NORSAR Subarra	84.26	28	P	P	23 41 41.9	+1.1
NOA	NORSAR Array B	84.26	28	P	P	23 41 42.0	+1.1
NOA	NORSAR Array B	84.26	28	P	P	23 41 42.0	+1.1
NOA	NORSAR Array B	84.26	28	P	LR	00 17 10.7	
BGES	Gesves	84.39	39	P	P	23 41 42.0	+0.4
OSL	Oslo	84.39	29	P	P	23 41 43.2	+1.7
BCLA	Clavier	84.52	39	P	P	23 41 41.6	-0.6
NC602	NORSAR Array S	84.52	28	P	P	23 41 43.4	+1.4
RCHB	Rochefort	84.55	40	P	P	23 41 42.6	+0.2
BSTI	Sart Tilman	84.63	39	P	P	23 41 43.1	+0.3
BEBN	Eben Emael	84.63	39	P	P	23 41 43.2	+0.4
FIGM	Figui	84.64	58	P	P	23 41 44.0	+0.5
MEM	Membach	84.89	39	P	P	23 41 44.4	+0.3
BHOU	Houvezne	84.97	39	P	P	23 41 45.3	+0.7
BTNL	Terneuzen	84.97	39	P	P	23 41 44.7	+0.1
WLF	Wallerfange	85.26	40	P	P	23 41 46.4	+0.4
WLF	Wallerfange	85.26	40	P	P	23 41 46.8	+0.7
WLF	Wallerfange	85.26	40	P	P	23 41 46.4	+0.4
WLF	Wallerfange	85.26	40	P	P	23 41 47.8	+1.8
BUG	Bochum-Inver	85.39	38	P	P	23 41 48.3	+1.7
KTK1	Kautokine	85.41	19	P	P	23 41 48.1	+1.8
IBSN	Ibbenburen	85.41	37	P	P	23 41 48.6	+1.9

SSB	Saint Sauveur	85.51	44	P	Iamb	23 41 47.4	0.0
SSB	Saint Sauveur	85.51	44	P	Iamb	23 41 47.4	0.0

Table with columns: MOTA, Moosalm, 89.14, 41, i PcP, PcP, 23 42 05.9 -0.6, etc. Lists various stations and their parameters.

Table with columns: CRES, Crensjev, 92.50, 41, i P, P, 23 42 20.6 +0.1, etc. Lists various stations and their parameters.

Table with columns: GKN, Gorkha, 137.17, 1, eP, PKiKp, 23 48 34.5 -0.5, etc. Lists various stations and their parameters.

IDC 01 23:31:38.2,0.0,13.76N:120.96E,h128km,5km,mb3.5/9, mbmp3.9/9, Error ellipse: s-maj=42.0km s-min=16.6km az=62.0

ISC 01 23:31:39.1±1.0, 13.8N:0.2±121.1E:0.2, h150km, n17, e1941/18, mb3.9/9, Mindoro

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

ROM 01 23:39:26.2,0.0,43.03N:0.003:12.913E:0.004, h110±0.9/14, 4C-3D, Error ellipse: s-maj=0.3km s-min=0.2km az=244.0, Central Ita

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

EAF 01 23:39:31.6,26:51'S:27:01'E,h0km,MC3.5 PRE 01 23:39:33.4,0.6,26:35'S:27:40'E,h2km,ML2.2

ISL 01 23:39:33.4,0.9,26:48'S:27:79'E,h2km,12km,MD3.7 BUL 01 23:39:32.6,0.8,26:29'S:0.074:27:41'E:0.05,h5km,n25, az=230/46, South Africa

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

mb5.0/76.Mw5.2/24.Error ellipse: s-maj=11.1km
 s-min=1.8km az=202.0
 NEIC 02:01:36:13.4,21.61'S:168.78E,h12km,Moment Tensor
 Solution. Duration: 2s2 Moment tensor: Scale 10¹⁶Nm;
 M_{rr}=8.37; M_{θθ}=7.3; M_{φφ}=5.64; M_{rrθ}=-0.4; M_{rrφ}=3.11;
 Fault plane solution: M₀=9.13000×10¹⁶ NP1:
 0.163,57000°; δ53.14000°; λ-66.24000°. NP2:
 0.307,30000°; δ42.92000°; λ-118.26000°. Principal axes:
 T 8.6229,Plg5.0000°,AzM237.0000°; N 1.0141,
 Plg19.0000°,AzM329.0000°; P -9.6370,Plg70.0000°,
 AzM132.0000°
 NOU 02:01:36:13.8,21.61'S:168.86E,h0km,mb4.7/36,Loyalty
 Islands
 BUJ 02:01:36:14.4,0.0,21.28'S:169.18E,h21km,mb4.8/28,
 mb5.4/26,Ms4.8/9,Ms7.4/11
 GCMT 02:01:36:17.4,0.1,21.77'S:01:168.93E:0.01,h12km,
 MW5.2/136,Moment Tensor Solution. s95,c137;
 s136,c227; Duration: 1s0 Moment tensor: Scale 10¹⁷
 Nm; M_{rr}=-0.79±0.1; M_{θθ}0.23±0.1; M_{φφ}0.55±0.1;
 M_{rrθ}-0.13±0.03; M_{rrφ}-0.34±0.1; M_{θφ}0.16±0.03; Best double
 couple: M₀0.80700×10¹⁷ NP1:0.146,0000°; δ53.0000°;
 λ-92.0000°. NP2:0.329,0000°; δ38.0000°;
 λ-87.0000°. Principal axes: T 0.7960,Plg8.0000°;
 AzM237.0000°; N 0.0100,Plg2.0000°; AzM147.0000°; P
 -0.8180,Plg2.0000°; AzM44.0000°; nsta1 refers to body
 waves, cutoff=40s. nsta2 refers to surface waves,
 cutoff=50s. Triangular moment-rate function

ISC 02:01:36:13.2,0.3,21.80'S:0:05:168.92E:0.04,h10km,m387,
 0134/370,mb5.0/77,MS4.5/43,4C-9D,Loyalty Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
MARNC	Mare, Loyalty	0.89	291	Op	ISC	h m s Res
MARNC	Mare, Loyalty	0.89	291	P	Pg	01 36 29.0 +0.4
PINNC	Pines Island,	1.59	239	P	Sg	01 36 31.1 +1.3
PINNC	Pines Island,	1.59	239	P	Pn	01 36 40.6 +0.7
LIFNC	Lifou	1.87	303	Pn	Pn	01 36 42.9 +2.3
LIFNC	Lifou	1.90	262	P	Pn	01 36 44.9 +0.3
YATNC	Mamie plateau,	2.02	252	Pn	Pn	01 36 46.4 +0.7
OUENC	Ouen Island, N	2.02	252	Pn	Pn	01 36 47.0 -0.4
OUENC	Ouen Island, N	2.02	252	P	Pn	01 36 48.9 +1.6
DZM	Mont Dzumac	2.31	263	ePn	Pn	01 36 52.1 +0.6
DZM	2um, 1.0s	9.62	60	eSn	Sn	01 37 20.5 +0.4
DZM	Mont Dzumac	2.31	263	Pn	Pn	01 36 51.2 -0.3
DZM	Mont Dzumac	2.31	263	P	Pn	01 36 53.0 +1.5
DZM	Mont Dzumac	2.31	263	P	Pn	01 36 51.4 0.0
DZM	55nm,0.3s,baz=77,slow=16,SNR=115			LR	LR	01 37 10.6
DZM	comp=Z,4um,19.1s,baz=138,slow=25			LR	LR	01 37 10.6
DZM	447nm,0.3s,baz=121,slow=23,SNR=14			Sn	Sn	01 37 18.9 -1.2
DZM	216nm,0.5s			LR	LR	01 37 10.6
ONTNC	Ouen Toro	2.34	257	Pn	Pn	01 36 51.7 0.0
ONTNC	Ouen Toro	2.34	257	P	Pn	01 36 53.0 +1.6
RTV	Reniaup	4.01	353	P	Pn	01 37 14.5 +0.2
KOUNC	Koumac, New Ca	4.50	285	Pn	Pn	01 37 21.6 +0.2
KOUNC	Koumac, New Ca	4.50	285	P	Pn	01 37 22.5 +1.1
NFK	Norfolk Island	7.27	187	P	Pn	01 38 02.1 +2.7
NVSFV	Nonsavu	9.50	66	Pn	Pn	01 38 30.3 +0.1
NVSFV	Nonsavu	9.50	66	P	Pn	01 38 33.3 +3.1
NVSFV	Nonsavu	9.50	66	ePn	Pn	01 38 34.3 +2.2
NVSFV	Nonsavu	9.50	66	Pn	Pn	01 38 32.5 +2.3
NVSFV	0.8nm,0.3s,baz=240,slow=13,SNR=6.1			LR	LR	01 41 43.7
NVSFV	comp=Z,9um,19.4s,baz=234,slow=36			LR	LR	01 41 43.7
YSA	Yasawarara	9.62	60	P	Pn	01 38 34.9 +3.1
DGTI	Dogotui	11.60	64	P	Pn	01 39 00.9 +2.0
RAO	Raoul Island	14.00	125	LR	LR	01 43 19.4
HNR	Honiara	15.02	324	Pn	Pn	01 39 45.0 -0.7
HNR	Honiara	15.02	324	P	Pn	01 39 45.0 -0.7
HNR	comp=Z,59nm,0.6s			LR	LR	01 39 44.1 -1.5
HNR	Honiara	15.02	324	Pn	Pn	01 39 44.1 -1.5
HNR	comp=Z,115nm,0.3s,baz=135,slow=19,SNR=1.3			LR	LR	01 44 29.6
HNR	comp=Z,12um,18.4s,baz=154,slow=33			LR	LR	01 40 10.0 +2.3
EIDS	Eidsvold	16.73	254	P	Pn	01 40 05.8 -2.0
EIDS	Eidsvold	16.73	254	Pn	Pn	01 40 10.8 +3.0
EIDS	Eidsvold	16.73	254	P	Pn	01 40 15.6 +1.6
RK1H	Rockhampton Ha	17.09	261	P	Pn	01 40 23.9 +2.7
ARMA	Armidale	17.73	237	P	Pn	01 40 17.5 -2.8
ARMA	Armidale	17.73	237	Pn	Pn	01 40 23.8 +2.7
ARMA	Armidale	17.73	237	P	Pn	01 40 22.7 +1.0
URZ	comp=Z,1um,18.0s,baz=54,slow=4.0,SNR=3.9			LR	LR	01 46 03.1
URZ	comp=Z,10nm,0.5s			LR	LR	01 46 03.1
RTZ	Ruatahuna	18.13	159	Pn	Pn	01 40 25.0 -0.2
BKZ	Black Stump Fm	18.48	161	P	Pn	01 40 31.3 +1.9
BKZ	Black Stump Fm	18.48	161	P	Pn	01 40 32.3 +2.9
MRZ	Mangahaka R	19.23	165	P	Pn	01 40 42.3 +0.1
BFZ	Birch Farm	19.82	163	P	Pn	01 40 44.9 +1.0
BFZ	comp=Z,94nm,1.4s			IAMB	IAMB	01 40 54.8
TOW	Tony Channel	19.87	168	P	P	01 40 45.8 +1.3
JDCS	Dubbo	20.82	170	P	P	01 40 56.9 +1.4
TVIH	Townsville Har	20.87	173	P	P	01 40 56.9 +1.4
KHZ	Kahutara	20.92	170	P	P	01 40 56.0 +0.2
KHZ	comp=Z,216nm,2.0s			IAMB	IAMB	01 41 06.2
CTA	Charters Tower	21.24	270	P	P	01 41 00.0 +0.5
CTA	comp=Z,13nm,0.9s,baz=99,slow=12,SNR=13			LR	LR	01 48 49.1
CTA	comp=Z,3um,19.2s,baz=94,slow=36			LR	LR	01 48 49.1
CTA	Charters Tower	21.24	270	P	P	01 40 59.4 -0.1
CTA	Charters Tower	21.24	270	P	P	01 41 01.5 +2.0
CTA	Charters Tower	21.24	270	P	P	01 40 59.4 -0.1
CTA	comp=Z,2.7nm,1.1s			pmax	pmax	01 41 07.7 +2.5
CNB	Canberra Magne	21.77	228	P	P	01 41 07.9 +2.7
CNB	Canberra Magne	21.77	228	P	P	01 41 07.9 +2.7
RPZ	Rata Peaks	21.93	176	P	P	01 41 07.2 +0.5
RPZ	comp=Z,7.3nm,0.9s,baz=21,slow=22,SNR=1.3			LR	LR	01 49 08.0
JCZ	Jackson Bay	22.21	180	P	P	01 41 14.1 +4.2
CMSA	Cobar Meteorol	22.27	240	P	P	01 41 18.6 +1.7
CMSA	comp=Z,23nm,0.9s			LR	LR	01 41 18.6 +1.7
CMSA	Cobar Meteorol	22.27	240	P	P	01 41 18.1 +1.2
QLP	Quilpie	23.00	253	P	P	01 41 19.5 +1.1
QLP	Quilpie	23.00	253	P	P	01 41 19.5 +1.1
MTSU	Mount Surprise	23.00	275	P	P	01 41 19.4 +1.1
MTSU	Mount Surprise	23.00	275	P	P	01 41 23.2 +0.7
MTSU	Mount Surprise	23.00	275	P	P	01 41 23.2 +0.7
PMG	Port Moresby	24.27	297	P	P	01 41 29.3 -1.5
PMG	Port Moresby	24.27	297	P	P	01 41 30.9 +0.1
PMG	Port Moresby	24.27	297	iP	P	01 41 29.9 -1.2
PMG	comp=Z,20nm,0.8s			pmax	pmax	01 50 32.4
PMG	Port Moresby	24.27	297	LR	LR	01 50 32.4
PMG	comp=Z,68nm,18.0s,baz=54,slow=35			LR	LR	01 50 32.4
TOO	Tootaling	25.61	227	P	P	01 41 44.7 +1.8
TOO	comp=Z,26nm,1.0s			LR	LR	01 41 44.7 +1.8
COEN	Coen	25.69	283	P	P	01 41 44.3 +0.6
COEN	Coen	25.69	283	P	P	01 41 44.1 +0.5
COEN	Coen	25.69	283	P	P	01 41 45.2 +1.6
INKA	Innaminka	26.22	251	P	P	01 41 50.6 +2.2
STKA	Stephens Creek	26.30	242	P	P	01 41 50.8 +1.7
STKA	Stephens Creek	26.30	242	P	P	01 41 49.4 +0.3
STKA	Stephens Creek	26.30	242	P	P	01 41 51.0 +1.9
STKA	Stephens Creek	26.30	242	P	P	01 41 49.4 +0.3
STKA	comp=Z,12nm,1.5s			pmax	pmax	01 41 50.0 +1.0
STKA	Stephens Creek	26.30	242	P	P	01 41 50.0 +1.0
STKA	comp=Z,7.4nm,0.9s,baz=73,slow=10,SNR=8.1			LR	LR	01 52 13.6

QIS	Mount Isa	27.35	267	P	P	01 41 59.9 +1.3
RAR	Rarotonga	29.11	95	LR	LR	01 51 11.6
WR0	Warramunga Arr	32.19	257	P	P	01 42 40.3 -0.8
WC3	Warramunga Arr	32.29	267	P	P	01 42 41.2 -1.3
AS31	Alice Springs	32.30	260	P	P	01 42 41.1 -1.4
ASAR	Alice Springs	32.30	260	P	P	01 42 41.4 -1.1
ASAR	Alice Springs	32.30	260	P	P	01 42 42.0 -0.6
ASAR	comp=Z,5.1nm,0.7s,baz=83,slow=9.1,SNR=41.1			LR	LR	01 50 08.9
ASAR	comp=Z,1um,21.2s,baz=92,slow=35			LR	LR	01 50 08.9
WB0	Warramunga Arr	32.31	267	P	IAMB	01 42 41.5 -1.1
WB0	Warramunga Arr	32.31	267	P	IAMB	01 43 09.2
WB2	Warramunga Arr	32.32	267	P	P	01 42 41.6 -1.1
WRAB	Tennant Creek	32.32	267	P	P	01 42 41.7 -1.0
WRAB	comp=Z,6.0nm,1.1s			pmax	pmax	01 42 41.7 -1.0
WRA	Warramunga Arr	32.33	267	P	P	01 42 41.7 -1.1
WRA	Warramunga Arr	32.33	267	P	P	01 42 41.7 -1.1
WRA	Warramunga Arr	32.33	267	P	P	01 42 41.2 -1.6
WRA	comp=Z,2.2nm,0.5s,baz=97,slow=6.5,SNR=48.4			LR	LR	01 55 27.5
KDU	Kaduna	35.89	279	P	P	01 43 13.6 -0.1
MTN	Manton Dam	37.07	278	P	P	01 43 23.6 -0.3
MTN	Manton Dam	37.07	278	P	P	01 43 23.2 -0.6
MTN	comp=Z,15nm,0.7s			IAMB	IAMB	01 43 33.3
WRKA	Warakura	37.32	257	P	P	01 43 25.6 -0.3
WRKA	comp=Z,236nm,19.3s,baz=102,slow=33			LR	LR	01 43 25.6 -0.3
FORT	Fort	37.54	248	P	P	01 43 27.8 +0.2
FNRA	Forrest	38.43	272	P	P	01 43 35.0 -0.4
KNRA	Kunurra	38.43	272	P	P	01 43 34.7 -0.6
PNP2	Papetoia	39.22	91	eS	S	01 49 40.2 -2.4
PPT	Papeete	39.22	91	LR	LR	01 55 49.6
FAKI	Fak Fak	40.26	293	P	IAMB	01 43 50.0 -0.6
FAKI	comp=Z,69nm,1.6s			IAMB	IAMB	01 43 59.8
GUMO	Guam	42.35	324	LR	LR	01 59 35.2
GUMO	comp=Z,236nm,19.3s,baz=102,slow=33			LR	LR	01 59 35.2
BATI	Baumgaertner	44.85	278	LR	LR	02 03 24.2
MBWA	Marble Bar	45.62	261	P	IAMB	01 44 33.3 -0.8
MBWA	comp=Z,239m,0.8s			IAMB	IAMB	01 44 36.7
MEEK	Meekatharra	45.90	254	P	P	01 44 35.6 -0.6
KLBR	Kellerberrin	46.39	247	P	P	01 44 39.5 -0.5
NWAO	Narrogin (SRO)	46.82	245	P	P	01 44 42.8 -0.5
NWAO	Narrogin (SRO)	46.82	245	P	P	01 44 42.8 -0.5
NWAO	Narrogin (SRO)	46.82	245	P	P	01 44 42.8 -0.5
NWAO	Narrogin (SRO)	46.82	245	P	P	01 44 42.8 -0.8
NWAO	comp=Z,102nm,1.8s			pmax		

BOOM	comp=Z,8.4nm,1.2s	Iamb	Iamb	03 27 05.9					
BOOM	Boomskeye usch	65.77 320	P	P	03 27 03.9	-0.6			
YAK	Yakutsk	65.81	1	P	03 27 04.1	-0.1			
YAK	Yakutsk	65.81	1	eP	03 27 04.9	+0.8			
YAK			e	S	03 27 36.1				
YAK			eS	S	03 29 28.5				
YAK			eSS	S	03 35 44.6	-3.6			
YAK			e	S	03 36 10.0	+5.8			
YAK			e	pmax	03 36 57.0				
YAK	comp=Z,37nm,1.1s			pmax					
YAK	comp=N,9.0nm,1.0s			pmax					
YAK	comp=E,4.0nm,1.1s			pmax					
YAK	comp=Z,366nm,6.3s			pmax					
YAK	comp=N,112nm,3.1s			pmax					
YAK	comp=E,192nm,5.9s			smax					
YAK	comp=E,107nm,3.8s			smax					
YAK	comp=N,121nm,4.0s			smax					
CHHK	Chushkaly	65.83 322	eP	P	03 27 04.0	-0.7			
CHHK	Chushkaly	65.83 322	eP	P	03 27 04.0	-0.7			
KUU	Kurty	66.25 322	eP	P	03 27 07.2	-0.2			
KUU	Kurty	66.25 322	eP	P	03 27 07.2	-0.2			
AAK	Ala-Archa	66.77 320	P	P	03 27 11.0	+0.5			
AAK	Ala-Archa	66.77 320	eP	P	03 27 11.0	+0.5			
KBL	Kabul	67.08 310	P	Iamb	03 27 12.1	-1.1			
KBL	Kabul	67.08 310	P	Iamb	03 27 30.7				
KBL	Kabul	67.08 310	P	pmax	03 27 12.1	-1.1			
SGDS	Sogindy	67.08 321	eP	P	03 27 12.2	-0.7			
ZAAO	Zalesovo Array	67.87 334	P	Iamb	03 27 16.5	-0.9			
ZAAO	Zalesovo Array	67.87 334	P	Iamb	03 27 17.6				
ZALV	Zalesovo Beam	67.87 334	P	P	03 27 15.9	-1.5			
ZALV	Zalesovo Beam	67.87 334	iP	P	03 27 16.7	-0.7			
ZALV	Zalesovo Beam	67.87 334	P	pmax					
ZALV	Zalesovo Beam	67.87 334	P	P	03 27 16.1	-1.3			
BTK	Batken	68.03 316	P	Iamb	03 27 18.3	-0.6			
BTK	Batken	68.03 316	P	Iamb	03 27 20.0				
BTK	Batken	68.03 316	P	pmax	03 27 18.3	-0.6			
BTK	Batken	68.03 316	P	pmax	03 27 18.3	-0.6			
KURBB	Kurchatov Arra	68.75 329	P	P	03 27 22.4	-0.6			
KURK	Kurchatov	68.75 329	P	Iamb	03 27 22.4	-0.6			
KURK	Kurchatov	68.75 329	eP	P	03 27 22.0	-1.0			
KURK	Kurchatov	68.75 329	eP	pmax	03 27 22.0	-1.0			
SEY	Seymchan	69.27 120	eP	pmax	03 27 26.3	+0.3			
IUG	luzhnay	69.47 318	eP	P	03 27 27.2	-0.6			
IUG	luzhnay	69.47 318	eP	P	03 27 27.2	-0.6			
KK31	Karatay Array	69.57 319	P	Iamb	03 27 27.1	-1.2			
KK31	Karatay Array	69.57 319	P	pmax	03 27 27.1	-1.2			
KK31	Karatay Array	69.57 319	P	pmax					
KKAR	Karatay Array	69.57 319	P	P	03 27 27.6	-0.7			
KKAR	Karatay Array	69.57 319	P	P	03 27 27.6	-0.7			
CHM	Chimkent	69.83 318	eP	P	03 27 29.0	-0.7			
CHM	Chimkent	69.83 318	eP	P	03 27 29.0	-0.7			
BRZS	Berezniiki	71.54 326	eP	P	03 27 39.4	-0.7			
BRZS	Berezniiki	71.54 326	eP	P	03 27 44.1	-0.7			
HRA	Herat	72.31 308	P	Iamb	03 27 46.1				
HRA	Herat	72.31 308	P	Iamb	03 27 46.1				
BVAR	Borovoye Array	74.30 328	P	P	03 27 56.0	-0.4			
BRVK	Borovoye	74.37 328	P	P	03 27 56.6	-0.2			
BRVK	Borovoye	74.37 328	P	P	03 27 56.6	-0.2			
BRVK	Borovoye	74.37 328	P	pmax					
TIXI	Tiksi	75.46	0	P	03 28 02.8	0.0			
TIXI	Tiksi	75.46	0	Iamb	03 28 11.5				
TIXI	Tiksi	75.46	0	P	03 28 02.8	0.0			
TIXI	Tiksi	75.46	0	pmax					
VNDA	Vanda	75.73 173	P	P	03 28 04.6	+0.3			
VNDA	Vanda	75.73 173	P	P	03 28 04.6	+0.3			
VNDA	Vanda	75.73 173	P	pmax					
VNDA	Vanda	75.73 173	P	P	03 28 04.9	+0.6			
GEYT	Alibeck	76.53 310	P	P	03 28 09.3	+0.3			
GEYT	Alibeck	76.53 310	P	P	03 28 09.3	+0.3			
GEYT	Alibeck	76.53 310	P	pmax					
GEYT	Alibeck	76.53 310	P	P	03 28 09.5	-0.1			
GYAO	ALIBECK ARRAY	76.53 310	P	pmax	03 28 09.6	0.0			
GYAO	ALIBECK ARRAY	76.53 310	P	P	03 28 09.6	0.0			
ABKAR	Abkulaik array	78.73 322	P	P	03 28 21.2	-0.4			
ABKAR	Abkulaik array	78.73 322	P	Iamb	03 28 39.1				
ARU	Arti	81.94 328	eP	P	03 28 39.1	+0.4			
ARU	Arti	81.94 328	eP	S	03 31 42.1	-1.0			
ARU	Arti	81.94 328	eP	S	03 38 49.0	-1.0			
SDPT	Sand Point	83.00 33	P	P	03 28 43.6	-0.6			
L14K	Kuka Creek	83.82 27	P	Iamb	03 28 47.5	-0.7			
L14K	Kuka Creek	83.82 27	P	Iamb	03 28 51.1				
M14K	Bethel	83.95 28	P	P	03 28 49.4	+0.4			
N15K	Kwethluk River	84.64 29	P	Iamb	03 28 53.4	+0.8			
N15K	Kwethluk River	84.64 29	P	Iamb	03 29 03.3				
K15K	Wolf Creek Mou	84.65 26	P	P	03 28 53.5	+0.9			
QSPA	South Pole Qui	86.00 180	P	P	03 28 59.7	+0.3			
QSPA	South Pole Qui	86.00 180	P	P	03 28 59.7	+0.3			
L18K	Granite Mountain	86.28 27	P	P	03 29 03.6	+0.4			
BELG	Belogomoye	88.03 323	iP	P	03 29 05.1	+0.4			
BELG	Belogomoye	88.03 323	iP	pmax					
KIRV	Kirov	87.27 329	eP	P	03 29 05.7	+0.2			
TATA	Tatalina	87.28 26	P	Iamb	03 29 05.7	+0.2			
TTA	Tatalina	87.28 26	P	Iamb	03 29 10.4				
TTA	Tatalina	87.28 26	P	pmax	03 29 05.5	-0.1			
N19K	Bonanza Creek	87.49 29	P	P	03 29 06.6	-0.2			
ZEI	Tsey	88.13 313	eP	P	03 29 10.9	+0.6			
ZEI	Tsey	88.13 313	eP	pmax					
F20K	Avaraat Lake	88.39 22	P	P	03 29 11.1	+0.4			

F20K	comp=Z,13nm,1.2s	Iamb	Iamb	03 29 12.6					
SIRT	Sirnak	88.64 308	P	P	03 29 12.7	-0.1			
IMAR	Indian Mountain	88.92 24	P	P	03 29 13.2	-0.1			
KBZ	Khaba	86.97 314	P	P	03 29 13.8	-0.1			
GURO	Guroymak-BITLI	89.07 309	P	P	03 29 15.3	+0.6			
SUA	Susitna One	89.40 28	P	Iamb	03 29 14.7	-1.1			
SUA	Susitna One	89.40 28	P	Iamb	03 29 16.9				
M22K	Willow	89.74 28	P	P	03 29 16.7	-0.4			
KNK	Knik Glacier	90.48 29	P	Iamb	03 29 20.9	+0.2			
KNK	Knik Glacier	90.48 29	P	Iamb	03 29 23.8				
RND	Reindeer	90.56 27	P	Iamb	03 29 21.3	+0.2			
RND	Reindeer	90.56 27	P	Iamb	03 29 29.3				
RND	Reindeer	90.56 27	P	pmax	03 29 21.3	+0.2			
RND	Reindeer	90.56 27	P	pmax	03 29 29.3				
SML	Sawmill	90.59 28	P	P	03 29 21.6	+0.3			
WRH	Wood River Hil	91.03 26	P	Iamb	03 29 22.2	-0.9			
WRH	Wood River Hil	91.03 26	P	Iamb	03 29 23.5				
CCB	Clear Creek Bu	91.17 25	P	Iamb	03 29 23.2	-0.5			
CCB	Clear Creek Bu	91.17 25	P	Iamb	03 29 23.9				
SOC	Sochi	91.25 313	eP	P	03 29 23.0	-1.6			
SOC	Sochi	91.25 313	eP	P	03 32 56.3				
SOC	Sochi	91.25 313	eP	PPP	03 34 56.7				
SOC	Sochi	91.25 313	eP	SKSac	03 39 51.5	-2.9			
SOC	Sochi	91.25 313	eP	SS	03 46 21.8	-4.4			
SOC	Sochi	91.25 313	eP	eSSS	03 50 09.3				
SOC	Sochi	91.25 313	eP	MLR					
H24K	Noodor Dome	91.28 24	P	P	03 29 24.8	+0.4			
H24K	Noodor Dome	91.28 24	P	Iamb	03 29 33.9				
HDA	Harding Lake	91.51 26	P	Iamb	03 29 25.2	-0.2			
HDA	Harding Lake	91.51 26	P	Iamb	03 29 26.1				
ILAR	Eielson Array	91.58 25	P	P	03 29 26.1	-1.4			
ILAR	Eielson Array	91.58 25	P	P	03 29 26.1	-1.4			
N25K	Chitina, Valde	92.34 29	P	Iamb	03 29 29.7	+0.3			
N25K	Chitina, Valde	92.34 29	P	Iamb	03 29 39.1				
GLB	Gilahina Butt	92.71 29	P	Iamb	03 29 31.4	+0.3			
GLB	Gilahina Butt	92.71 29	P	Iamb	03 29 32.7				
J26L	Joseph Creek	92.98 26	P	Iamb	03 29 32.2	-0.1			
J26L	Joseph Creek	92.98 26	P	Iamb	03 29 33.5				
CROM	Cirque	93.00 29	P	P	03 29 32.3	-0.3			
TGL	Tana Glacier	93.15 29	P	P	03 29 32.6	-0.5			
I26K	Coal Creek Min	93.19 25	P	P	03 29 33.1	-0.1			
K27K	Chicken	93.61 26	P	P	03 29 35.5	+0.4			
L27K	Beaver Creek	93.70 27	P	Iamb	03 29 34.9	-0.6			
L27K	Beaver Creek	93.70 27	P	Iamb	03 29 45.6				
BCAR	Beaver Creek A	93.72 27	P	P	03 29 35.9	+0.2			
OBN	Obersk	93.88 325	eP	P	03 29 34.8	-1.7			
OBN	Obersk	93.88 325	eP	pmax					
I28M	Miner Creek	94.54 25	P	Iamb	03 29 40.2	+0.7			
I28M	Miner Creek	94.54 25	P	Iamb	03 29 42.1				
DAWY	Dawson	94.79 26	P	Iamb	03 29 40.3	-0.3			
DAWY	Dawson	94.79 26	P	Iamb	03 29 43.0				
I29M	Ogilvie Camp	95.23 25	P	Iamb	03 29 42.2	-0.4			
I29M	Ogilvie Camp	95.23 25	P	Iamb	03 29 44.0				
M29M	Somme Creek	95.25 28	P	Iamb	03 29 42.9	+0.1			
M29M	Somme Creek	95.25 28	P	Iamb	03 29 45.5				
L29M	L29M	95.38 27	P	P	03 29 43.0	-0.3			
EPYK	Eagle Plains	95.83 24	P	P	03 27 44.2	-0.5			
ARCES	ARCCESS Array B	97.95 340	P	P	03 29 54.1	-0.7			
ARCES	ARCCESS Array B	97.95 340	P	P	03 29 54.1	-0.7			
PDAR	Pinedale Array	116.32 44	PKP	PKP	03 35 01.1	-2.1			
PDAR	Pinedale Array	116.32 44	PKP	PKP	03 35 01.1	-2.1			
ESDC	Sonsea Array	123.75 316	PKP	PKP	03 35 14.7	-			

couple: Mz2.98400x1017 NP1.284.000000.847.000000.
1-109.000000. NP2.2.130.000000.846.000000.
1-71.000000. Principal axes: T 2.6990, Plg1.00000.
Azm27.00000; N 0.5660, Plg14.00000; Azm29.00000; P
-3.2680, Plg76.00000; Azm120.00000; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function
ISC 02:27:26.5:0.4,217675.0:04:168.91E=0.04,1h4kmz2km,
n14km;p-P,n1159,r178/790,mb5.3/171,MS5.4/473,
25C-47D, Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MARE, Loyalty, Pines Island, LIFOU, Ouen Island, etc.

Table with columns: PMG, Iamb, Iamb, 03 32 45.3, etc. Includes stations like Port Moresby, Chatham Island, Mosma Anglican, etc.

Table with columns: PSAD3, IAMS_20, IAMS_20, 45.49 261, etc. Includes stations like Pilbara Seismi, Marble Bar, Meekeaharra, etc.

KSR	comp=Z,1.1nm,0.4s,baz=330,slow=4.4,SNR=4.8	PKJKP	PKIKP	03 44 52.9 +1.2
KSAR	Wanju Array Be 70.42 326	P	P	03 38 40.0 -0.3
KSAR	Wanju Array Be 70.42 326	eP	P	03 38 40.0 -0.3
QIZ	Qiongzong 70.57 301	P	P	03 38 43.3 +1.7
QIZ		sP	pwP	03 38 50.5 +1.3
QIZ		PP	PP	03 41 24.0 +5.8
QIZ		S	S	03 48 00.1 +4.9
QIZ	comp=Z,45nm,1.9s		pmax	
QIZ	comp=Z,410nm,21.6s	LR	LR	
QIZ	comp=Z,280nm,16.7s	LR	LR	
QIZ	comp=Z,520nm,23.6s	LR	LR	
NJ2	Nanjing 71.81 317	P	P	03 38 48.6 -0.2
NJ2		pP	pwP	03 38 54.7 -1.6
NJ2		sP	sP	03 39 01.0 +3.6
NJ2		S	S	03 48 11.9 +2.9
NJ2		sS	sS	03 48 19.2 +4.2
NJ2			pmax	
NJ2	comp=Z,11nm,0.5s		pmax	
NJ2	comp=Z,530nm,5.7s		pmax	
NJ2	comp=Z,350nm,17.1s	LR	LR	
NJ2	comp=Z,220nm,15.6s	LR	LR	
NJ2	comp=Z,530nm,17.0s	LR	LR	
KULM	Kulim 71.99 283	P	P	03 38 49.3 -1.1
KULM		IAMB	IAMB	03 38 59.4
HJU	Haeju 72.00 325	P	P	03 38 49.6 -0.2
HJU		S	S	03 48 09.5 -1.4
HJU		AMB		
YSS	Yuzh-Sakhalins 72.35 342	IAMS_20	IAMS_20	04 05 42.7
YSS	Yuzh-Sakhalins 72.35 342	eP	P	03 38 50.9 -0.8
YSS		eSP	pwP	03 38 56.6 -2.5
YSS		e	e	03 39 01.0 +3.6
YSS		eS	S	03 48 10.0 -4.7
YSS		ePS	PnS	03 48 41.0 -4.7
YSS			pmax	
YSS	comp=Z,40nm,1.0s		pmax	
YSS	comp=Z,2um,4.5s		pmax	
YSS	comp=N,500nm,4.4s		pmax	
YSS	comp=N,800nm,8.3s		smx	
YSS	comp=N,800nm,15.0s		MLR	
HUU	Hamhung 72.49 328	P	P	03 38 52.5 -0.2
HUU		S	S	03 48 15.4 -1.2
HUU		AMB		
RPSI	Rantau Prapat 72.50 280	P	P	03 38 52.6 -0.9
RPSI		IAMB	IAMB	03 39 00.9
PSI	Prapat 72.55 280	P	P	03 38 52.6 -1.3
PSI		pmax	pmax	
PYAG	Pyeongyang 72.73 326	P	P	03 38 54.0 -0.2
PYAG		S	S	03 48 18.1 -1.2
PYAG		AMB		
MSHR	Mys Shultsa 72.88 332	d P	P	03 38 56.1 +1.1
MSHR			pmax	
GSI	Gunungsitoli 73.19 278	P	P	03 38 56.1 -1.5
GSI	Gunungsitoli 73.19 278	P	P	03 38 57.9 +0.3
CNSH	ChangSha 73.38 310	P	P	03 38 56.9 -1.4
CNSH		LR	LR	03 48 27.2 0.0
CNSH	comp=Z,240nm,15.6s	LR	LR	
CNSH	comp=Z,350nm,20.0s	LR	LR	
CNSH	comp=Z,400nm,17.9s	LR	LR	
GULI	GuiLin 73.58 306	P	P	03 39 02.4 +2.8
GULI		sP	PeP	03 39 13.7 -1.8
GULI		S	SKIKP	03 48 32.9 +3.0
GULI			pmax	
GULI	comp=Z,20nm,2.1s		pmax	
GULI	comp=Z,530nm,7.6s	LR	LR	
GULI	comp=Z,400nm,21.1s	LR	LR	
GULI	comp=Z,230nm,22.8s	LR	LR	
GULI	comp=Z,550nm,24.4s	LR	LR	
WHN	Wuhan 73.82 313	P	P	03 39 01.9 +1.1
WHN		sP	pwP	03 39 08.9 +0.6
WHN		LR	SKIKP	03 48 31.0 +1.0
WHN		LR	LR	
WHN	comp=Z,2um,14.5s	LR	LR	
WHN	comp=Z,880nm,14.3s	LR	LR	
WHN	comp=Z,2um,22.6s	LR	LR	
USA0B	Ussuriysk Arra 73.83 333	P	P	03 39 00.5 -0.1
USA0B	Ussuriysk Arra 73.83 333	P	P	03 39 00.5 -0.1
USA0B		pmax	pmax	
USRK	Ussuriysk Ar. 73.83 333	P	P	03 39 00.5 -0.1
USRK		comp=Z,70nm,1.2s		
SUJ	Sinuiju 74.17 326	P	P	03 39 02.9 +0.3
SUJ		S	SKIKP	03 48 31.4 +1.2
SUJ		AMB		
DL2	Dalian 74.84 324	P	P	03 39 06.8 +0.2
DL2		S	S	03 48 44.6 +1.5
DL2		pmax	pmax	
DL2	comp=Z,36nm,1.3s		pmax	
DL2	comp=Z,510nm,3.7s		pmax	
DL2	comp=Z,400nm,15.7s	LR	LR	
DL2	comp=Z,270nm,17.3s	LR	LR	
DL2	comp=Z,870nm,26.0s	LR	LR	
PET	Petropavlovsk 75.00 354	IAMS_20	IAMS_20	04 06 21.0
PET	Petropavlovsk 75.00 354	d P	P	03 39 09.3 +2.2
PET		eS	S	03 48 46.6 +2.4
PET		eS	SS	03 53 38.5 +4.9
PET			pmax	
PET	comp=Z,700nm,16.6s		pmax	
PEAK	Petropavlovsk 75.18 353	IAMS_20	IAMS_20	04 06 19.9
PEAK	Petropavlovsk 75.18 353	P	P	03 39 08.1 -0.1
PETK	Petropavlovsk 75.18 353	P	P	03 39 08.4 +0.1
PETK		comp=Z,22nm,0.9s,baz=131,slow=4.0,SNR=12		
MDJ	Mudanjiang 75.19 332	P	P	03 39 09.4 +0.9
MDJ		pP	sP	03 39 11.8 -1.6
MDJ		sP	pwP	03 39 13.7 -2.2
MDJ		PP	PP	03 41 59.4 +2.2
MDJ		S	S	03 48 51.5 +4.7
MDJ		sS	SS	03 48 58.2 +5.3
MDJ		sS	SS	03 53 37.2 +0.3
MDJ			pmax	
MDJ	comp=Z,45nm,1.3s		pmax	
MDJ	comp=Z,750nm,6.1s	LR	LR	
MDJ	comp=Z,520nm,22.8s	LR	LR	
MDJ	comp=Z,540nm,22.9s	LR	LR	
MDJ	comp=Z,810nm,21.8s	LR	LR	
MDJ	Mudanjiang 75.19 332	P	P	03 39 08.1 -0.4
TIA	Taian 75.62 319	P	P	03 39 11.7 +0.5
TIA		S	S	03 48 54.2 +2.2
TIA		pmax	pmax	
TIA	comp=Z,12nm,1.7s		pmax	

TIA	comp=Z,420nm,4.7s		pmax	pmax
TIA	comp=Z,340nm,15.8s	LR	LR	
TIA	comp=Z,320nm,15.8s	LR	LR	
TIA	comp=Z,690nm,17.3s	LR	LR	
MAW	Mawson 76.00 202	P	P	03 39 14.8 +2.0
MAW	Mawson 76.00 202	P	P	03 39 13.0 +0.2
MAW	Mawson 76.00 202	P	P	03 39 13.0 +0.2
MAW		pmax	pmax	
MAW	comp=Z,5.0nm,1.0s		pmax	
MAW	Mawson 76.00 202	P	P	03 39 13.7 +0.9
MAW	comp=Z,12nm,0.9s,baz=114,slow=7.9,SNR=20			
CN2	Changchun 76.44 329	eP	P	03 39 16.2 +0.5
CN2		sP	PP	03 42 06.2 -1.7
CN2		eS	S	03 49 03.7 +3.0
CN2			pmax	
CN2	comp=Z,30nm,0.9s		pmax	
CN2	comp=Z,600nm,5.0s	LR	LR	
CN2	comp=Z,300nm,19.0s	LR	LR	
CN2	comp=Z,400nm,19.0s	LR	LR	
CN2	comp=Z,500nm,19.0s	LR	LR	
CLES	Cleveland East 76.52 13	IAMS_20	IAMS_20	04 05 18.2
CLES	Guizhou 77.01 305	P	P	03 39 20.2 +0.8
CLES		S	SKS	03 49 08.1 +0.2
CLES		S	SKS	03 49 28.2 -3.7
CLES			pmax	
CLES	comp=Z,13nm,0.9s		pmax	
CLES	comp=Z,610nm,7.7s	LR	LR	
CLES	comp=Z,400nm,21.0s	LR	LR	
LYN	LuoYang 77.52 315	eP	P	03 39 22.9 +1.0
LYN		PP	PP	03 42 15.3 -1.2
LYN		eS	S	03 49 15.3 +2.5
LYN			pmax	
LYN	comp=Z,22nm,0.7s		pmax	
LYN	comp=Z,980nm,4.5s	LR	LR	
LYN	comp=Z,650nm,18.9s	LR	LR	
LYN	comp=Z,290nm,17.2s	LR	LR	
LYN	comp=Z,690nm,18.5s	LR	LR	
GRNR	Gornyy 77.69 340	P	P	03 39 23.8 +1.3
GRNR		eSS	S	03 49 15.3 +1.3
GRNR			pmax	
HNS	HongShan 77.87 319	P	P	03 39 24.1 +0.3
HNS		S	S	03 49 18.4 +2.0
HNS			pmax	
HNS	comp=Z,18nm,2.5s		pmax	
HNS	comp=Z,810nm,9.4s		pmax	
HNS	comp=Z,350nm,18.5s	LR	LR	
HNS	comp=Z,390nm,20.2s	LR	LR	
HNS	comp=Z,560nm,21.9s	LR	LR	
KLR	Kul'dur 78.03 336	eP	P	03 39 25.1 +0.6
KLR			pmax	
KLR	comp=Z,73nm,1.7s		pmax	
KLR	Kul'dur 78.03 336	P	P	03 39 24.9 +0.5
KLR		comp=Z,16nm,0.9s,baz=129,slow=3.7,SNR=23		
UNV	Unalaska Vals 78.23 15	P	P	03 39 22.3 -3.1
UNV	Unalaska Vals 78.23 15	P	P	03 39 22.3 -3.1
AKUT	Akutun 78.67 15	IAMS_20	IAMS_20	04 07 54.7
AKUT		comp=Z,2um,20.0s		
BJI	Beijing 78.70 321	P	P	03 39 29.2 +0.9
BJI		PcP	PcP	03 39 38.1 +0.9
BJI		S	S	03 49 26.2 +1.0
BJI			pmax	
BJI	comp=Z,330nm,4.5s	LR	LR	
BJI	comp=Z,160nm,15.3s	LR	LR	
BJI	comp=Z,130nm,15.9s	LR	LR	
BJI	comp=Z,240nm,16.3s	LR	LR	
CRAI	Chiangrai 78.89 297	P	P	03 39 28.9 -1.0
CRAI		IAMB	IAMB	03 39 40.4
CRAI	comp=Z,25nm,1.0s			
CMAR	Chiang Mai Arr 79.26 295	P	P	03 39 30.8 -1.2
CMAR	Chiang Mai Arr 79.26 295	eP	P	03 39 34.0 +2.1
CMAR			pmax	
CMAR	comp=Z,13nm,1.0s			
CMAR	Chiang Mai Arr 79.26 295	P	P	03 39 32.6 +0.7
CMAR		comp=Z,5.7nm,0.6s,baz=138,slow=4.1,SNR=21		
CMAR		PKKPbc	PKKPbc	03 58 23.8 +1.1
CMAR	comp=Z,1.9nm,0.3s,baz=270,slow=3.6,SNR=2.0			
CMAR	comp=Z,5.7nm,0.6s			
KMI	Kunming 79.34 302	P	P	03 39 34.1 +1.6
KMI		sP	PcP	03 39 41.3 +0.6
KMI		S	S	03 49 34.4 +1.1
KMI			pmax	
KMI	comp=Z,25nm,2.2s		pmax	
KMI	comp=Z,640nm,7.6s		pmax	
KMI	comp=Z,290nm,19.4s	LR	LR	
KMI	comp=Z,470nm,19.6s	LR	LR	
KMI	comp=Z,440nm,19.0s	LR	LR	
CHTO	Chiang Mai 79.42 295	P	P	03 39 32.6 -0.2
CHTO		IAMB	IAMB	03 39 42.9
CHTO	comp=Z,29nm,0.9s			
CHTO	Chiang Mai 79.42 295	P	P	03 39 32.6 -0.2
CHTO		pmax	pmax	
TIY	Taiyuan 79.47 318	eP	P	03 39 34.7 +1.9
TIY		S	S	03 49 37.4 +3.6
TIY		SKS	SKS	03 49 46.5 -2.5
TIY		ScS	SKKSac	03 49 53.0 +2.5
TIY			pmax	
TIY	comp=Z,18nm,0.6s		pmax	
TIY	comp=Z,700nm,8.4s		pmax	
TIY	comp=Z,280nm,17.9s	LR	LR	
TIY	comp=Z,320nm,16.5s	LR	LR	
TIY	comp=Z,430nm,19.2s	LR	LR	
XAN	Xi'an 79.58 313	P	P	03 39 34.0 +0.6
XAN		pP	pwP	03 39 38.4 -2.6
XAN		sP	PcP	03 39 41.5 +0.2
XAN		S	S	03 49 35.6 +0.5
XAN			pmax	
XAN	comp=Z,28nm,1.8s		pmax	
XAN	comp=Z,1um,6.9s	LR	LR	
XAN	comp=Z,580nm,19.0s	LR	LR	
XAN	comp=Z,400nm,18.0s	LR	LR	
XAN	comp=Z,830nm,22.0s	LR	LR	
BELA	Belgrano 79.63 175	P	P	03 39 31.8 -1.2
HEH	Heihe 80.54 334	eP	P	03 39 38.0 -0.1
HEH		S	S	03 49 36.4 -7.9
HEH		SKS	SKS	03 49 47.1 -8.5
HEH			pmax	
HEH	comp=Z,41nm,1.2s		pmax	
HEH	comp=Z,890nm,6.7s		pmax	
HEH	comp=Z,510nm,20.5s	LR	LR	
HEH	comp=Z,550nm,17.7s	LR	LR	
HEH	comp=Z,890nm,21.0s	LR	LR	
PZH	PanZhihua 80.81 303	P	P	03 39 41.1 +0.8
PZH		sP	PcP	03 39 49.5 +2.6

PZH	comp=Z,10.0nm,0.9s		S	S	03 49 51.3 +2.8
PZH			pmax	pmax	
PZH	comp=Z,560nm,9.2s		pmax	pmax	
PZH	comp=Z,240nm,17.8s	LR	LR	LR	
PZH	comp=Z,400nm,17.8s	LR	LR	LR	
PZH	comp=Z,360nm,18.0s	LR	LR	LR	
CNBA	Chernabura Isl 80.90 18	IAMS_20	IAMS_20	04 10 29.2	
CNBA	San Point 81.12 17	P	P	03 39 35.7 -5.3	
SDPT	XiLinHaoTe 81.29 324	P	P	03 39 38.9 -3.5	
SDPT		pP	pP	03 39 43.6 -2.5	
SDPT		sP	sP	03 39 45.7 -1.7	
SDPT		S	S	03 49 52.6 -0.1	
SDPT		SKS	SKS	03 49 54.2 -7.2	

N15K	comp=Z,2um,21.0s	IAMS_20	IAMS_20	04 11 46.7
N15K	Kwethluk River baz=209	85.46	15 P	P 03 39 58.9 -4.5
Q18K	Katmai Hardscr baz=213,SNR=6.2	85.49	18 P	P 03 39 59.1 -4.6
KDAK	Kodiak Island comp=Z,2um,21.0s	85.50	20 IAMS_20	IAMS_20 04 11 46.9
M14K	Bethel comp=Z,18nm,1.1s	85.54	14 IAMB	IAMB 03 40 25.2
M14K	Bethel comp=Z,2um,21.0s	85.54	14 P	P 03 40 00.2 -3.6
P17K	Kvichak River baz=212	85.55	17 P	P 03 40 00.4 -3.4
M15K	Kasigliuk River baz=209	85.78	14 P	P 03 40 02.0 -3.0
O17K	Koliganek Bris baz=211	85.87	16 P	P 03 40 03.0 -2.4
L14K	Kuka Creek comp=Z,2um,22.0s	85.91	13 P	P 03 40 03.2 -2.3
L14K	Kuka Creek baz=206	85.91	13 P	P 03 40 03.2 -2.3
TROLL	Troll, Antarti comp=Z,2um,0.7s	86.01	184 J/P	J/P 03 40 05.6 -0.8
K13K	Kusiliuk Mount baz=209	86.04	12 P	P 03 40 03.3 -3.0
N16K	Nishilik Lake baz=210	86.05	15 P	P 03 40 04.1 -2.2
P18K	Big Mountain comp=Z,2um,21.0s	86.05	17 IAMB	IAMB 03 40 08.2
P18K	Big Mountain baz=213,SNR=8.7	86.05	17 P	P 03 39 59.9 -6.5
SYI	Shuyak Island comp=Z,2um,20.0s	86.23	19 IAMS_20	IAMS_20 04 12 38.0
NVL	Nizarevskaya	86.33	187 eP	eP 03 40 09.0 +1.2
NVL				eS 03 50 32.3 -1.1
NVL				pmax
NVL	comp=Z,16nm,0.7s			smax
O18K	Koktuh Hills comp=Z,23nm,1.2s	86.44	17 IAMB	IAMB 03 40 10.8
O18K	Koktuh Hills baz=213	86.44	17 P	P 03 40 03.7 -4.6
L15K	Ungalak Mounta baz=207	86.47	14 P	P 03 40 04.3 -4.0
M16K	Timber Creek comp=Z,23nm,1.1s	86.48	15 IAMB	IAMB 03 40 23.0
M16K	Timber Creek comp=Z,2um,21.0s	86.48	15 P	P 03 40 02.9 -5.5
M16K	Timber Creek baz=210	86.48	15 P	P 03 40 02.9 -5.5
N17K	Nushagak Hills comp=Z,1um,20.0s	86.49	16 IAMS_20	IAMS_20 04 12 56.1
N17K	Nushagak Hills baz=211	86.49	16 P	P 03 40 03.9 -4.5
P19K	Oil Pt comp=Z,2um,20.0s	86.84	18 IAMS_20	IAMS_20 04 13 08.2
L16K	Owhat River comp=Z,30nm,1.9s	86.96	14 IAMB	IAMB 03 40 20.1
L16K	Owhat River comp=Z,2um,20.0s	86.96	14 P	P 03 40 12.3
L16K	Owhat River baz=209	86.96	14 P	P 03 40 08.1 -2.6
N18K	Kilae Creek baz=212	86.96	17 P	P 03 40 07.1 -3.7
O19K	Port Alsworth comp=Z,22nm,1.2s	86.98	17 IAMB	IAMB 03 40 11.5
O19K	Port Alsworth baz=213	86.98	17 P	P 03 40 08.2 -2.7
J14K	Narvaranak Lak comp=Z,2um,20.0s	87.00	12 IAMS_20	IAMS_20 04 14 00.5
K15K	Wolf Creek Mou comp=Z,2um,20.0s	87.01	13 IAMS_20	IAMS_20 04 13 08.8
K15K	Wolf Creek Mou baz=207	87.01	13 P	P 03 40 03.6 -7.4
ILSW	Iliamna Southw comp=Z,19nm,1.0s	87.13	18 IAMB	IAMB 03 40 24.8
ILSW	Iliamna Southw comp=Z,1um,20.0s	87.13	18 IAMS_20	IAMS_20 04 13 38.1
M17K	Holitna River comp=Z,16nm,1.2s	87.18	15 IAMB	IAMB 03 40 24.3
M17K	Holitna River comp=Z,2um,21.0s	87.18	15 P	P 03 40 07.2 -4.6
M17K	Holitna River baz=211	87.18	15 P	P 03 40 07.2 -4.6
VNA3	Neumayer Olymp comp=Z,30nm,0.7s	87.24	180 J/P	J/P 03 40 11.5 -0.7
NCMP	China Foot comp=Z,2um,20.0s	87.33	19 IAMS_20	IAMS_20 04 13 13.2
MCCM	Maroni Confer comp=Z,1um,21.0s	87.40	47 IAMS_20	IAMS_20 04 10 49.7
VNA2	Neumayer-Watz comp=Z,18nm,0.6s,baz=189,slow=3.0	87.53	181 J/P	J/P 03 40 12.8 -0.9
L17K	Donlin baz=210	87.60	15 P	P 03 40 11.6 -2.2
BRLL	Bradley Lake comp=Z,2um,20.0s	87.62	19 IAMS_20	IAMS_20 04 13 21.7
BRSE	Bradley Lake S baz=217	87.65	19 P	P 03 40 10.9 -3.3
M18K	Stony River baz=212	87.66	16 P	P 03 40 10.5 -3.7
SC2Z	Santa Cruz Isl baz=242	87.68	52 P	P 03 40 13.1 -1.8
HOPS	Hopland Field comp=Z,1um,18.0s	87.70	46 IAMS_20	IAMS_20 04 15 13.6
SAO	San Andreas Ge comp=Z,2um,20.0s	87.70	49 IAMS_20	IAMS_20 04 11 30.9
KCPM	Cahto Peak comp=Z,1um,21.0s	87.71	46 IAMS_20	IAMS_20 04 09 47.8
GDXM	Geysers comp=Z,2um,20.0s	87.79	47 IAMS_20	IAMS_20 04 12 12.1
VNA1	Neumayer-Stat comp=Z,26nm,1.1s	87.82	181 J/P	J/P 03 40 14.7 -0.4
CIT	Chita	87.89	329 eP	eP 03 40 15.4 -0.1
PMPB	Monarch Peak comp=Z,2um,20.0s	87.89	50 IAMS_20	IAMS_20 04 10 48.0
KMRM	Mall Ridge comp=Z,2um,18.0s	87.90	45 IAMS_20	IAMS_20 04 10 58.6
PKM	Nicophon Peak baz=242	87.97	51 P	P 03 40 14.5 -2.0
L18K	Granite Mounta comp=Z,2um,22.0s	88.06	15 IAMS_20	IAMS_20 04 11 37.7
L18K	Granite Mounta baz=212	88.06	15 P	P 03 40 13.8 -2.3
J16K	Anvik River comp=Z,2um,20.0s	88.09	13 IAMS_20	IAMS_20 04 13 53.3
J16K	Anvik River baz=208	88.09	13 P	P 03 40 13.4 -2.7
K17K	Iditarod comp=Z,2um,21.0s	88.11	14 IAMS_20	IAMS_20 04 13 07.7
KHMM	Horse Mountain comp=Z,19nm,1.0s	88.22	44 IAMB	IAMB 03 40 22.9
KHMM	Horse Mountain comp=Z,2um,22.0s	88.22	44 IAMS_20	IAMS_20 04 10 00.2
SHL	Shilling comp=Z,1nm,1.0s	88.26	298 IAMB	IAMB 03 40 20.1
BCW	Bitter Crk WRG comp=Z,2um,19.0s	88.28	51 IAMS_20	IAMS_20 04 12 21.4
ANN	Nome comp=Z,2um,21.0s	88.32	11 IAMS_20	IAMS_20 04 13 08.1
KRMB	Red Mountain comp=Z,2um,20.0s	88.44	44 IAMS_20	IAMS_20 04 11 35.0
L19K	White Mountain comp=Z,1um,22.0s	88.49	16 IAMS_20	IAMS_20 04 12 45.7
L19K	White Mountain baz=213	88.49	16 P	P 03 40 15.8 -2.3
O22K	Cooper Landing comp=Z,2um,21.0s	88.55	19 IAMS_20	IAMS_20 04 13 41.6
KBO	Bosley Butte comp=Z,2um,21.0s	88.59	43 IAMS_20	IAMS_20 04 11 29.0
GTA	Gaotai	88.63	314 eP	eP 03 40 20.5 +1.0
GTA				pP 03 40 26.1 -1.0
GTA				PP 03 43 44.9 -3.4
GTA				SKS 03 50 48.6 +1.1
GTA				S 03 51 00.2 +0.7
GTA	comp=Z,12nm,0.9s			pmax
GTA	comp=Z,270nm,5.1s			pmax
GTA	comp=Z,220nm,18.2s			LR LR
GTA	comp=Z,290nm,22.2s			LR LR
GTA				LR LR

ULN	comp=Z,320nm,19.3s	88.69	324 P	P 03 40 19.7 +0.1
ULN	Ulaanbaatar	88.69	324 P	P 03 40 19.7 +0.1
ULN	Ulaanbaatar	88.69	324 P	P 03 40 19.7 +0.1
ARVC	Arvin baz=242	88.79	51 P	P 03 40 18.4 -1.8
Q23K	Middleton Isla comp=Z,1um,18.0s	88.81	21 IAMS_20	IAMS_20 04 10 36.7
MID	Middleton Isla comp=Z,1um,19.0s	88.81	21 IAMS_20	IAMS_20 04 19 27.7
PASC	Pasadena Art C comp=Z,12nm,0.9s	88.83	52 IAMB	IAMB 03 40 24.0
PASC	Pasadena Art C comp=Z,1um,20.0s	88.83	52 IAMS_20	IAMS_20 04 11 25.8
L20K	Farewell, Ak baz=214	88.99	16 P	P 03 40 17.7 -2.8
RC01	Rabbit Creek A	89.03	19 P	P 03 40 16.9 -3.8
SUA	Susitna One comp=Z,1um,21.0s	89.03	18 IAMS_20	IAMS_20 04 13 49.2
SUA	Susitna One baz=217	89.03	18 P	P 03 40 14.5 -6.3
ORV	Oroville comp=Z,46nm,1.8s	89.03	46 IAMB	IAMB 03 40 34.2
SOMN	Songino Array comp=Z,5.1nm,1.0s,baz=138,slow=4.9,SNR=21	89.04	323 P	P 03 40 20.5 -0.7
109C	Camp Elliot, M comp=Z,1um,18.0s	89.05	54 IAMS_20	IAMS_20 04 11 04.7
CMB	Columbia Colle comp=Z,2um,20.0s	89.06	48 IAMS_20	IAMS_20 04 11 23.7
AFDM	Forest Hills D comp=Z,16nm,1.2s	89.10	47 IAMB	IAMB 03 40 24.4
AFDM	Forest Hills D comp=Z,1um,20.0s	89.12	15 IAMS_20	IAMS_20 04 12 04.7
J18K	Innok River comp=Z,2um,20.0s	89.12	15 IAMS_20	IAMS_20 04 16 38.6
J18K	Innok River baz=212	89.12	15 P	P 03 40 15.4 -5.6
ELS	Elsinore Mount comp=Z,30nm,1.4s	89.15	53 IAMB	IAMB 03 40 24.9
ELS	Elsinore Mount comp=Z,1um,21.0s	89.15	53 IAMS_20	IAMS_20 04 10 31.4
YAK	Yakutsk	89.17	343 eP	eP 03 40 22.4 +1.2
YAK				ePP 03 40 25.7 +0.5
YAK				eS 03 40 30.5
YAK				eSS 03 50 51.6 +1.3
YAK				eSS 03 51 04.4 +2.2
YAK				pmax 03 57 05.6 +1.5
YAK	comp=Z,36nm,1.3s			pmax
YAK	comp=N,6.0nm,1.1s			pmax
YAK	comp=E,6.0nm,1.7s			smax
YAK	comp=E,159nm,4.4s			smax
YAK	comp=N,138nm,4.0s			MLR MLR
BFSC	Mount Baldy Ra baz=243,SNR=7.9	89.25	53 P	P 03 40 19.0 -3.5
EDWZ	Edwards Air Fo comp=Z,1um,20.0s	89.28	54 IAMS_20	IAMS_20 04 13 25.9
EDWZ	Edwards Air Fo baz=212	89.28	52 P	P 03 40 17.4 -5.2
ISA	Isabella Lake comp=Z,2um,20.0s	89.30	51 IAMS_20	IAMS_20 04 13 12.2
ISA	Isabella, Lake baz=242,SNR=10	89.30	51 P	P 03 40 19.8 -2.9
MURC	Murrieta baz=243	89.30	53 P	P 03 40 16.9 -5.7
YBH	Yreka Blue Hor comp=Z,43nm,1.9s	89.31	44 IAMB	IAMB 03 40 37.1
VTX	Valle De La Tr comp=Z,21nm,1.4s	89.39	56 IAMB	IAMB 03 40 25.2
VTX	Valle De La Tr comp=Z,1um,20.0s	89.40	52 IAMS_20	IAMS_20 04 12 47.9
CCAK	Calif City Air comp=Z,1um,20.0s	89.44	18 IAMB	IAMB 03 40 33.2
M22K	Willow comp=Z,19nm,1.0s	89.44	18 IAMS_20	IAMS_20 04 14 43.1
M22K	Willow comp=Z,2um,20.0s	89.44	18 P	P 03 40 18.8 -3.7
F15K	North Star Dit comp=Z,1um,22.0s	89.50	11 IAMS_20	IAMS_20 04 16 14.3
HIN	Hinchinbrook I comp=Z,1um,20.0s	89.50	20 IAMS_20	IAMS_20 04 15 55.6
ESJX	Sierra Juarez comp=Z,25nm,1.5s	89.53	55 IAMB	IAMB 03 40 27.4
ESJX	Sierra Juarez comp=Z,1um,20.0s	89.53	55 IAMS_20	IAMS_20 04 12 45.7
MONPZ	Monument Peak baz=243,SNR=6.0	89.56	54 P	P 03 40 21.0 -3.2
G16K	Koyuk River comp=Z,2um,21.0s	89.62	12 IAMS_20	IAMS_20 04 13 58.7
GLI	Glacier Island comp=Z,1um,20.0s	89.67	20 IAMS_20	IAMS_20 04 14 13.3
K20K	Telida comp=Z,1um,22.0s	89.67	16 IAMS_20	IAMS_20 04 12 60.0
K20K	Telida baz=214	89.67	16 P	P 03 40 21.8 -1.9
IKP	In-Ko-Pah, Jac baz=244	89.69	55 P	P 03 40 22.0 -2.5
EMB	Emerald Bay comp=Z,2um,22.0s	89.77	20 IAMS_20	IAMS_20 04 10 30.7
FID	Port Fidalgo comp=Z,1um,22.0s	89.77	20 IAMS_20	IAMS_20 04 14 05.5
MDPB	Devils Postpil comp=Z,16nm,1.2s	89.78	49 IAMB	IAMB 03 40 36.6
MDPB	Devils Postpil comp=Z,1um,22.0s	89.78	49 IAMS_20	IAMS_20 04 11 12.9
OMMB	Old Mammoth Mi comp=Z,22nm,1.5s	89.83	49 IAMB	IAMB 03 40 28.4
OMMB	Old Mammoth Mi comp=Z,2um,21.0s	89.83	49 IAMS_20	IAMS_20 04 11 15.1
J19K	Yuha Desert comp=Z,2um,21.0s	89.83	15 IAMS_20	IAMS_20 04 14 43.3
YUH	Yuha Desert comp=Z,29nm,1.4s	89.83	55 IAMB	IAMB 03 40 28.2
YUH	Yuha Desert comp=Z,1um,20.0s	89.83	55 IAMS_20	IAMS_20 04 13 42.6
PFO	Pinyon Flats O comp=Z,2um,20.0s	89.86	54 P	P 03 40 25.2 -0.2
PFO	Pinyon Flats O comp=Z,2um,20.0s	89.86	54 IAMS_20	IAMS_20 04 13 03.1
PFO	Pinyon Flats O baz=244	89.86	54 P	P 03 40 20.0 -5.4
PFO	Pinyon Flats O comp=Z,1um,20.0s	89.86	54 P	P 03 40 25.2 -0.2
PFO	Pinyon Flats O comp=Z,1um,20.0s	89.86	54 P	P 03 40 25.2 -0.2
TPFO	Pinon Flats baz=244	89.86	54 P	P 03 40 22.4 -3.0
PMD	Palm Desert comp=Z,1um,20.0s	89.93	54 IAMS_20	IAMS_20 04 13 18.1
CWC	Cottonwood Cre baz=244	89.94	50 P	P 03 40 20.4 -5.3
SML	Sawmill comp=Z,2um,21.0s	90.01	19 IAMS_20	IAMS_20 04 15 11.2
SWSC	Sam W. Stewart baz=244	90.06	54 P	P 03 40 21.8 -4.3
RAGM	Ragged Mountai comp=Z,1um,19.0s	90.09	21 IAMS_20	IAMS_20 04 20 11.4
PNTR	Pine Nut comp=Z,17nm,1.1s	90.10	48 IAMB	IAMB 03 40 29.6
PNTR	Pine Nut comp=Z,1um,20.0s	90.10		

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like CBB Campbell River, P29M Windy Craggy, SHPR Sheep Range, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like LCMT Little Creek M, SPR3 Spring Creek 3, JIRN Jiri, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like I30M comp=Z,13nm,1.5s, I30M Mount Dempster, CTU Camp Tracy, etc.

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Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like OK23 3h, OK031 S. Brethren Rd, OK030 Cody Creek, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like Y58A Scranton, V58A Windy Hill, T57A Hurt, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like AKASG Malin Array B, GHJAJ Ghor Haditha, NB2 NORSAR Subarray, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like CLL, comp=Z,94nm,1.1s, and various other call signs.

Table with columns for station name, frequency, and other parameters. Includes stations like BBLs, Laz!ći, GEC2, and various other call signs.

Table with columns for station name, frequency, and other parameters. Includes stations like RAFF, WDD, KEST, MAHO, and various other call signs.

ISC 02 03:28:49.1±0.9,21.735x168.87E,h0km,mb4.4/11, mbmp4.4/12, Error ellipse: s-maj=31.9km s-min=20.5km az=163.0

ISC 02 03:28:51.0±0.8,21.77S,0.2x168.88E,0.1,h10km,n18, i=168/20,mb4.5/11,1D,Loyalty Islands

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DZM, CTA, ASAR, WRA, MJAR, GSPA, USRK, KLR, CMAR, NVAR, ILAR, TXAR, BDFB, AKASG, CLL, EKA, GERES, DAVOX.

NOU 02 03:37:46.0,21.51S,169.62E,h0km,MLV3.9/6, Southeast of Loyalty Islands

ISC 02 03:37:55.6±3.4,21.16Sx168.65E,h0km,mb3.5/2, mbmp3.5/3,ML3.2/1, Error ellipse: s-maj=217.6km s-min=26.5km az=152.0

ISC 02 03:37:56.2±1.4,21.77S,0.2x168.88E,0.1,h10km,n10, i=043/11,Soyali Islands

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MARNC, PINNC, YATNC, QUENC, DZM, DZM, DZM, NVAR, GERES, WRA, ASAR, DZM, NVAR.

Table with columns: ILAR, Eielson Array, BRTR, Keskin Array B, values, and dates.

SJA 02:04:34.35:0.9,22.96S:66.34W,h253km,6km,ML4.1, MW3.8

GUC 02:03:44:37.3:0.4,23.00S:66.64W,h270km,4km,ML4.4

ISC 02:03:44:33.6:2.1,23.00S:0.05:66.36W,0.05, h253km,15km,n30,0197549,IC-1D,Juicy Province

Main station list table for the first section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers.

SJA 02:04:03:57.4:0.9,24.10S:67.07W,h202km,6km,ML3.5, MW3.6

GUC 02:04:03:59.7:0.6,24.09S:67.28W,h209km,8km,ML3.9

ISC 02:04:03:56.4:1.8,24.11S:0.04:67.10W,0.04, h215km,15km,n29,0193847,8C-2D,Chile-Argentina border region

Main station list table for the second section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers.

DJA 02:04:22:42.1:0.3,3.3N:12.7E, h10km, M4.6/13, mb4.9/7, mB5.2/5, MLY4.6/13, Mw(mB)4.5/5

NEIC 02:04:22:46.5:1.1,3.36N:0.10:126.7E:0.1,7.7km,8km, mb4.5/37, Error ellipse: s-maj=21.1km s-min=7.2km az=52.0

ICC 02:04:22:47.4:2.1,3.37N:126.60E,h91km,19km,mb4.0/15, mbmp4.3/16,MS3.4/5, Error ellipse: s-maj=32.9km s-min=10.2km az=72.0

ISC 02:04:22:43.9:0.5,3.39N:0.05:126.73E:0.07,h53km,n71, r146744,mb4.5/33,MS3.2/3,Talau Islands

Main station list table for the third section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers.

comp=Z,3.1nm,0.9s ILAR Eielson Array 85.41 25 P P 04 35 14.2 -1.3

ARCES ARCE Array B 90.77 340 P P 04 35 39.6 -1.4

QSPA South Pole Qui 93.29 180 P P 04 35 51.5 -1.4

TORD Torodi Ar. Bea 123.03 288 PKP PKPpdf 04 41 35.4 -0.1

WEL 02:04:23:17.7:0.6,38.5S:177.7E, h4km,3km,M3.2/66, ML3.9/19,MLV3.2/66, Error ellipse: s-maj=0.0km s-min=0.0km az=18.7, confirmed, Off east coast of North Island

Main station list table for the fourth section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers.

NEIC 02:04:29:03.4:2.0,21.39S:0.08:171.8E:0.1, h10km,1km, mb4.6/8, Error ellipse: s-maj=21.2km s-min=13.4km az=78.0

NOU 02:04:29:38.6:2.1,70S:168.95E, h0km, MLV3.9/B, Loyalty Islands

ISC 02:04:29:39.1:2.1,21.79S:168.89E, h0km, mb3.9/6, mbmp3.9/8, ML4.5/2, MS2.9/1, Error ellipse: s-maj=94.0km s-min=19.8km az=162.0

ISC 02:04:29:41.3:0.7,21.67S:169.09E, h10km,n38, r163400,mb3.9/6,2D,Louay Islands

Main station list table for the fifth section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers.

Table with columns for station name, frequency, power, and other technical details. Includes stations like HHC, AS31, ASAR, PZH, ULN, SONM, CMAR, MBWA, YAK, STKA, GOMU, BBOO, GSI, CAN, MORW, TIXI, W14K, WMQ, O18K, H17K, SVW2, TTA, ZAAO, ZALV, MK31, MKAR, MAKZ, CNPM, CAST, IMAR, KTH, BPAW, MLY, KURK, WRH, ILAR, BOOM, KSH, SCRK, J26L, BMAR, K27K, NIL, BVAR, BVAK, KK31, KKAR, KBL, ABKAR, YBH, GEYT, PINE, NEW, CMB, J08A, WVOR.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PNTR, BAHO, EDM, MDPB, BELG, KVN, NVAR, NV11, MFID, KLMR, ELK, ARCES, WCT, GWY, NEEM, SPR3, YHU, HVL, DAG, YFT, DUG, IMW, H17A, TPWJ, AHID, HWUT, CCUT, KNB, PDAR, U15A, P17A, KBZ, FINES, NACGM, HFS, NOA, TOR, DBIC, LPAZ, JMA, TAP, ISC, Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ETLH, WARB, WARB, LXIB, ECBN, ECBN, NDS, EHY, EHY, LATG, LATG, EYUL, EYUL, YULB, YULB, TWF1, TWF1, TWE, ENT, ENT, WHF, WHF, JKRS, JKRS, NDT, NDT, NNSB, NNSB, NNSH, NNSH, NNS, NNS, CHKT, CHKT, OWD, OWD, FULB, FULB, FUSS, FUSS, TWB1, TWB1, WVD, WVD, WVD, WVD, CHGB, CHGB, FUSB, FUSB, WUSB, WUSB, TDCB, TDCB, NWL, NWL, EHD, EHD, EDH, EDH, YHNB, YHNB, JIJ, JIJ, NSK, NSK, SX11, SX11, SSLB, SSLB, TWA, TWA, SMLT, SMLT, SMLT, SMLT, TATO, TATO, TATO, TATO, WCS, WCS, LONT, LONT, WHP, WHP, NFF, NFF, NFF, NFF, WHY, WHY, WH01, WH01, ALS, ALS.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like K20K, BBRC, H17K, YUH, PFO, P30M, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like L26K, R11B, R11B, R11B, R11B, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like I30M, H29M, M29M, E27K, F28M, G29M, etc.

Table with columns: VTS, Vitosha, 144.74 314, PKPab, 07 32 24.6 +0.4, etc. Includes stations like Vitosha, Musomishita, Vranov, etc.

Table with columns: RCHB, Rochefort, 148.90 340, dPKP, 07 32 35.1 +3.3, etc. Includes stations like Rochefort, Maredous, Sankt Quirin, etc.

Table with columns: KOUNC, Koumac, New Ca, 4.65 284, P, Pn, 07 38 21.5 -1.6, etc. Includes stations like Koumac, New Ca, Armadale, etc.

ML3.0/8,MLV3.3/29, Error ellipse: s-maj=0.0km s-min=0.0km az=24.6,confirmed ISC 02 07:49:23.2,3.37,16S:009.17678E:0.08, h260km,12km,n100,e1985/107,North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like KUZ, HAZ, HAZ, RUGZ, etc.

AFAD 02 07:58:33.0,0.0,37.57N:38.51E,h11km,2km,MW3.5 ISC 02 07:58:33.4,37.57N:38.48E,h8km,ML3.6/20, h260km,12km,n100,e1985/107,North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like URFA, HANM, HANM, AZEY, etc.

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

NOU 02 08:05:15.1,37.87S:179.84E,h0km,MLV4.0/7, Off E. Coast of N. Island, N.Z. WEL 02 08:05:24.2,1.5,38.57S:177.9E,h24km,8km,M3.7/50, ML3.9/15,MLV3.7/50, Error ellipse: s-maj=0.0km s-min=0.0km az=71.1, confirmed

ISC 02 08:05:20.6,3.6,37.86S:179.84E:0.2,h10km,19km,n98,e074/101,Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like BNN, MUMS, KELT, etc.

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

IDC 02 08:10:34.1,2.6,18.43N:39.81E,h0km,mb3.6/6, mbmp3.6/6, Error ellipse: s-maj=65.0km s-min=29.6km az=157.0

ISC 02 08:10:35.5,2.5,18.43N:39.81E:0.3,h10km,n6,e0861/6, mb3.7/6, Red Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like BRTR, TORO, KURB, MKAR, etc.

IDC 02 08:16:08.6,1.3,18.27N:39.86E,h0km,mb3.7/8, mbmp3.7/8,MS3.3/10, Error ellipse: s-maj=38.6km s-min=22.0km az=133.0

ISC 02 08:16:10.0,1.2,18.3N:02.399E:0.2,h10km,n17,e076/8,mb3.8,MS3.2/8, Red Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like MMAL, WSAR, BRTR, GNI, etc.

IDC 02:08:18:27.5:66.0,14.61'S:167.54E,h0km,mb3.8/3, mbtmp3.8/3, Error ellipse: s-maj=1123.0km s-min=113.7km az=65.0, Vanuatu Islands

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

NEIC 02:08:37:32.2:1.6, 21.1'S:0.1x178.7W:0.1, h592km, 5km, mb4.4/38, Error ellipse: s-maj=20.0km s-min=15.5km az=133.0

IDC 02:08:37:33.8:1.4, 20.98'S:178.92W, h613km, 15km, mb3.4/14, mbtmp4.4/16, Error ellipse: s-maj=15.9km s-min=10.5km az=148.0

NOU 02:08:37:36.3:20.57'S:178.87W, h587km, MLv4.7/4, Fiji Islands Region

ISC 02:08:37:30.7:0.4, 21.05'S:0.07x178.75W:0.07, h579km, n135, s131/140, mb4.3/35, 17C-7D, Fiji Islands region

Main table of station data for the left column, including stations like MSVF Nonsavu, DGTI Dogotuki, YSA Yasawairara, etc.

Main table of station data for the middle column, including stations like North Rim, SNAA Sanae, XAN Xi'an, etc.

IDC 02:08:47:55.9:1.1, 31.59'S:68.76W, h99km, 9km, mb3.2/3, mbtmp3.6/8, Error ellipse: s-maj=33.8km s-min=19.7km az=95.0

SJA 02:08:47:56.2:1.2, 31.59'S:68.73W, h105km, 3km, ML3.5, MV3.6

ISC 02:08:47:56.8:0.7, 31.58'S:0.04x68.74W:0.04, h107km, 5km, n41, s126/59, mb3.5/3, San Juan Province

Table of station data for the bottom middle column, including stations like ZON Zonda, SJA San Juan, etc.

Table of station data for the right column, including stations like ARCO CERRO ARCO, AVFE Valle Fertii, etc.

IDC 02:08:52:06.8:11.0, 29.80'S:178.70W, h171km, 60km, mb3.1/3, mbtmp3.7/4, Error ellipse: s-maj=106.1km s-min=27.8km az=42.0

ISC 02:08:52:12.4:1.4, 30.25'S:0.1x179.1W:0.2, h200km, n32, s237/32, mb3.5/3, Kermadec Islands region

Table of station data for the bottom right column, including stations like WMGZ Waioamatini S, HAZ Te Kaha, etc.

IDC 02:08:57:48.4:3.5, 53.62'N:90.79E, h0km, mbtmp3.0/3, ML2.9/2, Error ellipse: s-maj=28.7km s-min=24.5km az=55.0, Southwestern Siberia

Table of station data for the bottom right column, including stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

SONM Sogingo Array 11.45 114 Lg Lg 09 03 43.9
0.2nm, 0.3s, baz=298, slow=28, SNR=5.5
I34MM SINGO INFRAS 11.48 114 I I 10 03 50.0
baz=309, slow=323, SNR=3.2

IDC 02 09:03:43.2-0.8, 15.07S:28.56E, h0km, mb4.0/8,
mbtmp4.0/11, ML4.0/3, MS3.4/3, Error ellipse:
s-maj=22.5km s-min=6.8km az=147.0
LSZ 02 09:03:44.8-0.3, 9.17S:25.53E, h10km, MD4.2
PRE 02 09:03:44.0-0.2, 15.24S:28.52E, h10km, ML3.9
NEIC 02 09:03:44.3-1.3, 15.26S:0.03:28.59E:0.04, h10km, 1km,
mb3.9/7, Error ellipse: s-maj=6.6km s-min=5.0km
az=295.0

BUL 02 09:03:45.4-3.1, 15.59S:28.10E, h10km, MD4.7
EAF 02 09:03:47.8, 15.44S:28.39E, h10km, MC4.2
ISC 02 09:03:43.5-0.5, 15.35S:0.04:28.54E:0.06, h10km, n54,
#283/67, mb4.0/8, Zambia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like LSZ Lusaka, ITZ Itzhi-Tezhi, MATP Matopo, KSMZ Kasama, MUSN Musina, etc.

comp=Z,1.0nm,0.8s,baz=232,slow=5.0,SNR=6.5
comp=Z,1.0nm,0.8s
KAPI Kappang 89.86 95 LR LR 09 52 26.3
WARRAMA ARR 99.09 114 P Pdf 09 17 26.9 +1.2
WRA Warramunga Arr 99.09 114 P Pdf 09 17 26.9 +1.2
comp=Z,0.3nm,0.8s,baz=246,slow=7.2,SNR=2.5
comp=Z,0.3nm,0.8s

PDAR Pinedale Array 134.97 316 PKP PKPpdf 09 23 03.8 +0.3
NVAR Mina Array Bea 142.86 315 PKNPK PKPprr 09 23 15.6
comp=Z,0.5nm,0.8s,baz=170,slow=5.2,SNR=5.0

NOU 02 09:14:29.8, 21.66S:169.23E, h0km, MLV3.8/8, Southeast
of Loyalty Islands
IDC 02 09:14:33.2-3.1, 21.26S:168.81E, h0km, mb3.3/3,
mbtmp3.4/4, ML3.3/1, MS3.0/3, Error ellipse:
s-maj=197.1km s-min=27.2km az=157.0

ISC 02 09:14:36.7-1.6, 21.65S:0.1:168.9E:0.1, h29km, n13,
#080/12, mb3.4/3, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like MARNC Mare, Loyalty, PINNC Pinnac, LIFNFC Lifou, etc.

NEIC 02 09:16:47.8-1.0, 3.97N:0.06:126.57E:0.08, h60km, 6km,
mb4.4/34, Error ellipse: s-maj=12.5km s-min=8.9km

IDC 02 09:16:52.6-1.9, 3.96N:126.64E, h115km, 1km, mb3.6/11,
mbtmp4.0/12, MS3.2/4, Error ellipse: s-maj=41.1km
s-min=11.5km az=70.0

ISC 02 09:16:50.9-0.5, 3.86N:105.126:5E:0.1, h100km, n66,
#15/61, mb4.2/28, Talaud Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like TINTI Ternate, DAV Davao City, LUWI Luwuk, etc.

NEIC 02 09:34:20.3-1.3, 12.87N:0.07:143.28E:0.10,
h122km, 6km, mb4.9/63, Error ellipse: s-maj=13.8km
s-min=9.6km az=72.0

GCMT 02 09:34:20.3-0.3, 12.71N:0.02:143.13E:0.02,
h125km, 3km, MW4.9/103, Moment Tensor Solution:
s103.2c3; s103.4c3; Duration: 0. Moment Tensor: Scale
10^6Nm; Mr-1.71e+09; Mw=2.73e+11; Mbb-1.02e+13;
Mv-0.12e+08; Mss-1.22e+10; Mr-1.53e+07; Best double
couple: M0.08800:1016 NP1:320.00000; 864.00000;
lambda-44.00000; NP2:73.00000; 852.00000;
lambda-146.00000; Principal axes: T 3.1610, Plg7.0000;
Az=19.0000; N -0.1450, Plg41.0000; Azm115.0000; P
-3.0150, Plg49.0000; Azm281.0000; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=40s. Triangular moment-ratio function

IDC 02 09:34:21.2-0.8, 12.91N:1.43:139E, h134km, 8km, mb4.3/25,
mbtmp4.7/27, MS3.4/28, Error ellipse: s-maj=11.8km
s-min=8.2km az=75.0

DJA 02 09:34:23.6-1.4, 13.1N:5.14:3E, h149km, 12km, M4.9/30,
m85.4/12, mb5.0/30, Mw(mb)4.8/12, MwMwp6.5/1,
Mwp6.4/1

ISC 02 09:34:21.0-0.4, 12.88N:0.04:143.35E:0.06, h131km, 3km,
h131km: pP, n286, #19/293, mb4.9/101, 8C-16D, South
of Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like CMAR Chiang Mai Arr, KSRS Korea Array, BBOO Bucklebo, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like H19K Roundabout Mou, KDAK Kodiak Island, IMAR Indian Mountain, etc.

IDC 02 09:22:50.4-3.8, 17.36S:178.88W, h585km, 21km,
mb3.4/3, mbtmp4.4/4, Error ellipse: s-maj=107.5km
s-min=58.8km az=149.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like MSVF Nonsavu, DZM Mont Dzumac, STKA Stephens Creek, etc.

BUI 02 09:34:16.0-0.0, 12.68N:143.58E, h119km, mb5.1/64,
mB5.0/28

MOS 02 09:34:19.7-0.8, 12.88N:143.32E, h137km, mb4.8/33,
Error ellipse: s-maj=11.5km s-min=5.8km az=114.2

NEIC 02 09:34:20.3-1.3, 12.87N:0.07:143.28E:0.10,
h122km, 6km, mb4.9/63, Error ellipse: s-maj=13.8km
s-min=9.6km az=72.0

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMO Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Code Station Name Az AzZ Phase ID Op ISC Time Res h, m, s, ISC. Rows include stations like GUMU Guam, GUMU Guam, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Rows include stations like KKAR, BRVK, SIMJ, KABL, SVE, INK, ABKAR, ARU, AKTO, GEYT, KIRV, CASY, BELG, YBH, SPITS, NEW, ARCES, MOS, KBZ, OBN, VND, AKASG, NOA, MML, MLI, SFJD, GSPA, ESDC, TORD, PLCA, DBIC, LPZ, CAP, BDFB.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Rows include stations like DJA, IDC, ISC, Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Rows include stations like NCEDC, REN, ANF, NEIC, ISC, Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Rows include stations like CTM, PSM, PSRM, PMPB, LRV, TPNV, TPNV, CTSL, PPTM, PPHM, CMML, PPMR, PAHR, PSTM, PKD, BVL, PPHM, PSNM, AFDM, AFDM, PVMC, ARN, BPIM, PKLM, GWY, CDC, BJOM, QSM, QSM, PWKM, TRAM, PPO, SAO, SMC, BSGM, LRMC, PSAM, TCHL, TRAY, FRAY, CCOC, CBJM, HPLM, BSRM, TE, HCBM, JLAB, CALM, TSCN, S11A, PCHM, HCON, BSMM, CARC, TCAS, HERM, ARVC, ARVC, CRGC, SMCM, SMCM, SMCM, BPCNC, PANM, TSCS, HULL, ARST, CCAC, PHSB, TJR, BEKR, RAMR, SPFM, R11B, R11B, R11B, BCW, EDW2, GSC, GSC, GSC, PKM, ORV, ORV, OSI, PRN, PRN, SHPR, PLTX, DECC, PASC, BFSC, PSUT, ELS, ELS, ELK, ELK, PFO, PFO.

2d 10h

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like Kuril'sk, Misakicho, Nemuro, etc.

2017 NOV

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like GHO, D24K, ILAR, etc.

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Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like KRSZO, A268A, etc.

mb4.7/50, Error ellipse: s-maj=10.6km s-min=7.8km az=119.0
DJA 02:10:50.50.5.0.5 S:4.4x15.2E:1.6h68km,5km,M5.0/19,
mB5.1/4,mb4.8/19,MLV5.3/3,Mv(m)B4.4/4
IDC 02:10:50.20.0.7.5.22S:151.71E,h66km,6km,mb4.1/19,
mbmp4.5/21,MS3.6/22, Error ellipse: s-maj=15.7km
s-min=8.2km az=115.0
ISC 02:10:50.48.0.3.5.31S:0.05:151.81E:0.05,h45km,n168,
r152/158,mb4.7/51,MS3.5/20,1C-3D,New Britain

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRVT, H40PG, RABL, KAVG, MANU, PMG, HNR, COEN, PATS, CTA, CTAO, QIS, MOUNT, FAKI, EUIDS, MTN, DZM, WBO, WRW, WRB, WRA, WRS, INKA, KNRA, AS31, ASAR, OOD, SOEI, LCRK, STKA, BATI, KMSI, DAV, WRKA, MULG, EDFI, BBOO, BBOO, BBOO, TOLIZ, KAPI, FORT, PLAI, MBWA, MBWA, MBWA, PSAO, MEEK, MEEK, MEEK, GIRL, GIRL, GIRL, MORW, MORW, MORW, BLDU, BLDU, NWAO, JNU, JNU.

2018 NOV

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JNU, MJAR, MJAR, BBJJ, LEM, JTM, KSRS, NJ2, NJ2, NJ2, XAN, XAN, XAN, CMAR, CMAR, CHTO, CHTO, PETK, HHC, HHC, LZH, LZH, LZH, SHL, SHL, ULN, ULN, SONM, SONM, TAPN, TAPN, JIRN, JIRN, GUN, GUN, PKI, PKI, PKI, PKI, DMN, DMN, VDA, VDA, SBA, DANN, PYUN, WMQ, MK31, MKAR, CAST, CAST, ZAAO, ZALV, ZALV, IL31, ILAR, BOOM, J2SK, KURK, KURB, AAK, QSPA, QSPA, QSPA, MAW, MAW, BMAR, ARSB, ARSB, K29M, J3OM, KARAT, BVAR, BRVK, BRVK, YBH, YBH, J05D, PINE, LHV, NVAR, NVAR, DSP, DSP, KVN, KVN, J08A, J08A, BMO, PFO, NEW.

2d 10h

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ELIB, PDAR, PDAR, TXAR, ARCES, FINES, H03S2, H03S1, H03S3, GERES, EKA, DAVOX, LPAZ, CPUP, ESDC, MDT, TORD, TORD, BDFB, BDFB.

MEX 02:10:52:15.4:1.1, 18:60N:106:98W, h10km, MD4.4
IDC 02:10:52:18.3:0.8, 18:53N:106:74W, h0km, mb4.0/8,
mblmr 1.1/13,ML4.2/4,ML5.3/4,7.65, Error ellipse:
s-maj=32.0km s-min=16.9km az=63.0
GCMT 02:10:52:28.0:1.1, 18:79N:010:106:62W:0.01, h17km,
Mv5.3/136, Moment Tensor Solution. s92,c138;
s136,c238; Duration: 1s1 Moment tensor: Scale 1017
Nm; Mn-0.03:0.02; Mm-0.49:0.02; M0:0.52:0.02;
M0:0.21:0.04; M0:0.87:0.17; N1:0.19:0.18:0.4; Best double
couple: M0:1.04600x1017 N1:0.194000000; s82,000000;
lambda-13,000000; NP2:0.286,000000; 1.678,000000;
lambda-171,000000; Principal axes: T 1020,0000;
Azim240,0000; N 0.0410, P175,0000; Azm341,0000; P
-1,0660; P15,0000; Azm150,0000; nsta1 refers to
cut-off=40s, nsta2 refers to surface waves,
cut-off=50s. Triangular moment-rate function.
NEIC 02:10:52:26.8:2.1, 18:68N:0106:106:60W:0.08, h43km,4km,
mb4.9/421, Mdx.4/26(MEX) Error ellipse: s-maj=12.0km
s-min=8.5km az=61.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CJM, CJM, CIHU, CIHU, CDAR, CDAR, R15V, R15V, CEGR, CEGR, COIG, COIG, MNGA, MNGA, MNGA, MNGA, SOMAC, SOMAC, EZSV, EZSV, EZSV, INCO, INCO, JUBC, JUBC, MMIG, MMIG, MMIG, MMIG, ANIG, ANIG, ANIG, ANIG, H06E1, H06E1, H06S1, H06S1, H06N1, H06N1, SLBS, TX31, TX32, TXAR, TXAR, HBVL, CMIG, CMIG, 833A, 833A, SAND, ALPN, DRIO, 425A, HINDO, 735A, PECS, 319A, MINTX, MINTX, MNHN, OZNA, JCT, JCT, ODSA, 121A, SGVC, TUC, TUC, TUC, BRDY, 214A, 214A, SFX, 435B, HKT, SNO1, SNO1, POST, ABTX, ABTX.

Y22D	IRIS PASCALL I	15.34 358	P	P	10 56 02.4 -1.6
Y22D	IRIS PASCALL I	15.34 358	P	Pn	10 55 59.9 +0.1
Y22F	Pascal Instru	15.34 358	P	P	10 56 00.2 +0.4
113A	Mohawk Valley,	15.50 336	I	Pn	10 56 01.8 +0.1
113A	Lake Whitney,	15.53 30	P	Pn	10 56 01.5 -0.7
MSTX	Muleshoe	15.58 11	I	I	10 56 09.9
MSTX	Muleshoe	15.58 11	P	Pn	10 56 02.2 -0.7
HNVL	Huntsville, TX	15.60 38	Pn	Pn	10 56 04.6 +1.4
HNVL	Huntsville, TX	15.60 38	I	I	10 56 09.9
APMT	Aspermont	15.64 20	I	I	10 56 09.9
DKNS	Dickens	15.72 17	Pn	Pn	10 56 05.6 +1.0
DKNS	Dickens	15.72 17	I	I	10 56 10.4
FW13	Cleburne	15.85 29	Pn	Pn	10 56 06.1 -0.1
FW13	Cleburne	15.85 29	I	I	10 56 15.3
PLPT	Palo Pinto	15.85 26	I	I	10 56 15.0
FW07	Weatherford	15.98 27	I	I	10 56 15.5
FW14	Alvarado	15.99 30	Pn	Pn	10 56 09.6 +1.5
FW14	Alvarado	15.99 30	I	I	10 56 14.9
CCX	Cicese	16.05 327	P	Pn	10 56 08.2 -0.6
FW03	Perrin-Whitt E	16.15 26	I	I	10 56 20.2
ANMO	Albuquerque	16.20 360	Pn	Pn	10 56 11.1 +0.2
ANMO	Albuquerque	16.20 360	P	Pn	10 56 10.4 -0.5
ANMO	Albuquerque	16.20 360	Pn	Pn	10 56 10.5 -0.4
ANMO	Albuquerque	16.20 360	I	I	11 02 16.9
X16A	Lo Mia Camp, P	16.30 345	Pn	Pn	10 56 12.4 +0.2
FW06	Azle	16.30 348	I	I	10 56 22.2
CBX	Cerro Bola,	16.40 328	P	Pn	10 56 13.3 -0.1
IKP	In-Ko-Pah, Jac	16.40 330	P	Pn	10 56 12.7 -0.7
SWSC	Sam W. Stewart	16.50 331	P	Pn	10 56 12.3 -2.3
TKX	Tecate	16.58 328	Pn	Pn	10 56 11.8 -3.8
WTF5	Witchita Falls	16.63 24	I	I	10 56 25.4
W18A	Petrified Rose	16.63 351	P	Pn	10 56 15.0 -1.4
AMTX	Amarillo	16.68 14	I	I	10 56 26.7
AMTX	Amarillo	16.68 14	P	Pn	10 56 17.9 +1.0
Z35A	Perchaven, San	16.75 28	I	I	10 56 26.9
NATX	Nacogdoches	16.81 37	P	Pn	10 56 18.6 +0.2
MT03	Montecristo	16.91 102	P	P	10 56 23.3 +1.6
BC3	Big Chuckawall	16.95 333	P	Pn	10 56 19.2 -1.1
PDMDI	Parker Dam, Lak	17.01 338	P	Pn	10 56 19.6 -1.3
109C	Camp Elliot, M	17.09 328	P	Pn	10 56 20.5 -1.4
TEIG	Tejich	17.20 82	P	Pn	10 56 23.9 +0.5
TEIG	Tejich	17.20 82	I	I	11 03 26.4
SMWD	Samnorwood	17.26 17	I	I	10 56 34.2
IRM	Iron Mountain	17.26 335	P	P	10 56 22.8 -1.3
WUAZ	Wupatki	17.33 346	P	Pn	10 56 25.3 +0.2
WUAZ	Wupatki	17.33 346	P	Pn	10 56 25.9 -0.1
TPFO	Pinon Flats	17.36 331	P	P	10 56 24.1 -1.2
PFO	Pinon Flats O	17.36 331	P	Pn	10 56 24.6 -0.8
PFO	Pinon Flats O	17.36 331	P	Pn	10 56 24.9 -0.6
PFO	Pinon Flats O	17.36 331	P	Pn	10 56 22.4 -3.0
PFO	Pinon Flats O	17.36 331	I	I	11 02 15.6
WMOK	Wichita Mounta	17.38 22	P	P	10 56 26.8 +0.3
BELC	Belle Mt. Jos	17.48 333	P	Pn	10 56 26.7 -0.2
NEE2	Needles Airpor	17.60 337	P	Pn	10 56 26.6 -1.6
X34A	Smith Ranch, M	17.61 24	I	I	10 56 40.0
MURC	Murrieta	17.70 329	P	P	10 56 27.2 -4.2
Z38A	Mt. Pleasant	17.78 33	I	I	10 56 42.3
ELS	Elisnore Mount	17.85 329	P	Pn	10 56 31.5 +0.1
RTBA	Rita Blanca	17.90 10	I	I	10 56 42.8
GMRC	Granite Mounta	18.02 335	P	Pn	10 56 31.8 -1.7
BBRC	Big Bear Solar	18.12 331	P	Pn	10 56 34.8 0.0
CIS	Catalina Islan	18.16 326	P	P	10 56 33.8 -1.4
HEC	Hector, Ludlow	18.33 333	P	P	10 56 36.2 -0.9
FMP	Fort McArthur	18.34 327	P	P	10 56 35.5 -1.5
ELIS	Ellis County	18.39 18	I	I	10 56 50.1
BFSC	Mount Baldy Ra	18.45 329	P	P	10 56 37.4 -0.9
T25A	Trinidad	18.48 5	P	Pn	10 56 39.6 +0.4
MVCO	Mesa Verde	18.55 355	P	Pn	10 56 40.0 -0.1
MVCO	Mesa Verde	18.55 355	P	Pn	10 56 39.0 -0.6
SNCC	San Nicolas Is	18.65 324	I	I	10 56 43.3
SNCC	San Nicolas Is	18.65 324	P	P	10 56 39.3 -1.2
RRX	Edison Barstow	18.66 332	P	P	10 56 39.9 -0.7
TUQ	Turquoise Moun	18.69 335	P	P	10 56 41.1 +0.1
DECC	Green Verdugo	18.79 328	P	P	10 56 40.5 -1.5
OK029	Liberty Lake	18.81 23	Pn	Pn	10 56 43.0 0.0
OK029	Liberty Lake	18.81 23	I	I	10 56 55.1
U32A	Winter Ranch,	18.81 19	I	I	10 56 49.0
U32A	Winter Ranch,	18.81 19	P	P	10 56 43.0 -0.7
Z41A	Richland Creek	18.97 37	I	I	10 56 55.8
OK038	West end E0370	18.98 19	I	I	10 56 57.8
S22A	4UR Ranch, Cre	19.00 359	P	P	10 56 44.0 -0.5
SDCO	Great Salt Lake	19.02 2	P	Pn	10 56 46.8 +1.1
344A	Westbrook Farm	19.05 45	Pn	Pn	10 56 46.4 +0.5
344A	Westbrook Farm	19.05 45	I	I	10 56 54.6
NOKA	Waynoka	19.07 19	I	I	10 56 58.0
KNB	Kanab	19.11 344	I	I	10 56 58.3
EDW2	Edwards Air Fo	19.13 330	P	P	10 56 44.3 -1.5
OK031	S. Brethren Rd	19.18 24	I	I	10 56 52.5
OK035	E0210 Rd and N	19.20 19	I	I	10 56 59.9
OK052	Battle Ridge R	19.23 24	I	I	10 56 57.2

OSI	Osito Audit: C	19.27 328	P	P	10 56 45.8 -1.5
SCZ2	Santa Cruz Isl	19.27 325	P	P	10 56 45.5 -1.8
PKCU	Pink Cliffs	19.39 346	I	I	10 56 49.0 +0.1
PKCU	Pink Cliffs	19.39 346	I	I	10 57 02.0
QUOK	Quay	19.43 24	I	I	10 56 48.6 -0.3
QUOK	Quay	19.43 24	I	I	10 57 01.3
LRMC	Laurel Mtn 1,2s	19.47 331	P	P	10 56 47.3 -2.3
MIAR	Mount Ida	19.51 33	P	Pn	10 56 51.8 +0.4
OK048	Pawnee Station	19.55 23	I	I	10 57 02.7
HMU	Henry Mountain	19.55 350	I	I	10 56 50.1 -0.5
HMU	Henry Mountain	19.55 350	I	I	10 57 02.6
TUL3	Leonard	19.57 27	P	Pn	10 56 51.8 -0.3
GWY	Greenwater Val	19.64 335	I	I	10 57 00.0
SBC	Santa Barbara	19.65 326	P	P	10 56 46.3 -5.1
KAN14	Manchester OK	19.67 21	I	I	10 57 00.3
VBMS	Vicksburg	19.67 44	P	Pn	10 56 53.6 +0.3
VBMS	Vicksburg	19.67 44	P	Pn	10 56 54.0 +0.7
SZCU	Shurtz Canyon	19.73 344	P	P	10 56 51.3 -1.1
SZCU	Shurtz Canyon	19.73 344	I	I	10 57 07.2
ARVC	Arvin	19.73 329	P	P	10 56 50.5 -1.8
BLOK	Blackwell	19.76 22	I	I	10 57 04.8
KAN10	Kane SW Sta	19.78 20	I	I	10 57 04.4
KAN17	Caldwell West	19.82 21	P	P	10 56 54.1 +0.9
KAN17	Caldwell West	19.82 21	I	I	10 57 04.6
X40A	Basin Creek Fa	19.86 35	I	I	10 57 08.4
MPMC	Manual Prospec	19.87 333	P	P	10 56 53.6 -0.4
BCW	Bitter k WRG	19.88 22	I	I	10 57 08.8
KAN13	South Haven 1,2s	19.89 21	I	I	10 57 05.4
KAN01	Argonia South	19.92 21	I	I	10 57 05.8
MTPU	Mount Pierson	19.93 347	I	I	10 57 10.0
KAN09	Caldwell North	19.95 21	I	I	10 57 08.0
FURC	Furnace Creek,	19.96 335	P	P	10 56 53.9 -0.8
ISA	Isabella, Lake	19.99 330	P	P	10 56 54.8 -0.4
PKM	Mcherson Peak	20.05 326	P	P	10 56 53.4 -2.5
RLO	Rose Lookout	20.12 28	P	P	10 56 57.7 +0.2
RLO	Rose Lookout	20.12 28	I	I	10 57 11.1
TPNV	Topopah Spring	20.14 337	P	P	10 56 55.5 -1.4
T35A	Sooner Cattle	20.15 24	I	I	10 57 06.1
UJALR	University of	20.35 35	P	P	10 56 60.0 +1.0
VES	Vestal, Richgr	20.43 329	P	P	10 56 57.0 -2.8
SMCO	Snowmass	20.43 359	I	I	10 57 13.8
CWC	Cottonwood Cre	20.45 332	P	P	10 56 58.5 -1.8
SMMC	Simmler	20.47 327	P	P	10 56 57.6 -2.7
KSCO	Kaye Shedlock	20.53 8	I	I	10 57 11.4
KSCO	Kaye Shedlock	20.53 8	P	P	10 57 01.2 +0.2
TCRU	Three Creeks R	20.54 346	I	I	10 57 09.1
S11A	Rachel	20.58 339	P	P	10 57 02.1 +0.5
S11A	Rachel	20.58 339	I	I	10 57 16.9
Q16A	Gas Valley	20.58 349	I	I	10 57 08.8
GRAC	Grapevine Rang	20.62 334	P	P	10 57 02.0 0.0
GRAC	Grapevine Rang	20.62 334	I	I	10 57 15.2
GRAC	Grapevine Rang	20.62 334	P	P	10 57 00.7 -1.3
HHAR	Hobbs	20.71 30	I	I	10 57 19.5
R32A	Long Quarter	20.79 17	I	I	10 57 15.3
CBKS	Cedar Bluff	20.89 15	I	I	10 57 22.8
CBKS	Cedar Bluff	20.89 15	P	P	10 57 05.0 +0.2
146A	Union	20.90 45	P	P	10 57 04.7 -0.2
VOG	Valley Oaks Go	20.95 330	P	P	10 57 04.6 -0.9
TMUT	Trail Mountain	20.96 350	I	I	10 57 12.7
TIN	Tinamah, 1.0s	21.03 333	P	P	10 57 05.6 -0.9
P17A	Butcher Ranch,	21.05 351	I	I	10 57 13.5
ISCO	Idaho Springs	21.06 2	P	P	10 57 07.3 +0.3
ISCO	Idaho Springs	21.06 2	P	P	10 57 07.7 +0.7
P18A	Preston Nuttall	21.14 352	I	I	10 57 19.3
R11B	Troy Canyon, C	21.16 340	P	P	10 57 07.9 0.0
DSP	Deep Springs	21.19 334	P	P	10 57 08.4 +0.4
FCAR	Ozark Oak Cen	21.30 34	I	I	10 57 23.1
Y45A	Yeager Farm, C	21.36 42	P	P	10 57 10.6 +0.8
O20A	White River Ci	21.44 356	I	I	10 57 18.6
O20A	White River Ci	21.44 356	P	P	10 57 10.9 0.0
BRAL	Brewton	21.49 51	P	P	10 57 12.4 +1.1
ACON	Acopya	21.55 105	P	P	10 57 14.8 +2.6
ACON	Acopya	21.55 105	I	I	10 57 20.9
PMPB	Monarch Peak	21.58 327	I	I	10 57 27.4
MPU	Maple Canyon	21.73 349	I	I	10 57 29.6
NLU	North Lily Min	21.75 348	I	I	10 57 27.6
OXF	Oxford	21.87 40	P	P	10 57 14.9 -0.5
LCAR	Lake Charles	21.95 35	I	I	10 57 33.7
RDUM	Red Mountain	21.98 354	I	I	10 57 23.3
RDUM	Red Mountain	21.98 354	I	I	10 57 26.0
DUG	Dugway, Toeole	22.14 347	P	P	10 57 17.2 -1.1
N23A	Red Feather La	22.15 1	P	P	10 57 18.9 +0.4
N23A	Red Feather La	22.15 1	I	I	10 57 26.8
N23A	Red Feather La	22.15 1	P	P	10 57 16.8 -1.8
MGMO	Mountain Grove	22.21 31	I	I	10

Table with columns: ID, Name, Comp, B, S, P, E, L, R, V, W, T, D, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like K05A Summer Lake, R44A Shelbyville, L040 Klamath Falls, etc.

Table with columns: ID, Name, Comp, B, S, P, E, L, R, V, W, T, D, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like MIMPY Sheldon Lake, FARO Faro, Yukon, N31M Braeburn, Yuko, etc.

Table with columns: ID, Name, Comp, B, S, P, E, L, R, V, W, T, D, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like PMR Palmer, PMR Palmer, GHO Glory Hole Cre, etc.

2d 12h

Table of astronomical observations for 2d 12h, listing station names (e.g., PMSA, SMAI, BELA), object names (e.g., Paso Flores, Villa Florida), and various parameters like RA, Dec, Az, El, and SNR.

2017 NOV

Table of astronomical observations for 2017 NOV, listing station names (e.g., NUNA, MACA, ATAH), object names (e.g., Nana, Macapuru-AM), and various parameters like RA, Dec, Az, El, and SNR.

126

Table of astronomical observations for 126, listing station names (e.g., WSF, ALS, SCLT), object names (e.g., baz=310, Alishan), and various parameters like RA, Dec, Az, El, and SNR.

TAP 02 11:58:04.5, 23:46N, 120:46E, h10km, ML1.8, 1C-6D, A, Taiwan

Table of astronomical observations for TAP 02 11:58:04.5, listing station names (e.g., CHY, CHN2, CHN4), object names (e.g., Chiayi, Minshiang), and various parameters like RA, Dec, Az, El, and SNR.

TAP 02 11:58:15.2, 24:22N, 120:39E, h9km, ML1.0, 1D, C, Taiwan

Table of astronomical observations for TAP 02 11:58:15.2, listing station names (e.g., WHP, WDB, WCHB), object names (e.g., Taichung City, Renai), and various parameters like RA, Dec, Az, El, and SNR.

LVSN 02 12:00:24.6, 1.7, 59:51N, 23:47E, h0km, 49km, ML1.1 HEL 02 12:00:19.0, 0.2, 60:32N, 25:63E, h0km, ML1.0, Explosion, Finland

Table of astronomical observations for LVSN 02 12:00:24.6, listing station names (e.g., PVF, FIAO, HEL1), object names (e.g., Pernaja, FINESS Array S), and various parameters like RA, Dec, Az, El, and SNR.

NEIC 02 12:01:05.3, 0.7, 37:60N, 0:03, 118:81W, 0:02, h3km, 5km, Error ellipse: s-maj=5.1km s-min=2.1km az=165.0, NCEDC 02 12:01:05.0, 0.7, 37:60N, 0:03, 118:82W, 0:02, h5km, 4km, Md3, 0:57, ML2.3/40(NEIC), Error ellipse: s-maj=4.7km s-min=2.0km az=161.0, California-Nevada border

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
Op	ISC	h	m	s	ISC		
MCVLC	Convict Lake	0.01 207		Pg		12 01 06.2 +0.1	
MLAC	Mammoth, Mammo	0.03 336		Pg		12 01 06.5 +0.2	
MDRNC	Dee Ridge	0.03 341		Pg		12 01 06.5 +0.3	
MGPH	Gravel Pit	0.07 230		Pg		12 01 07.0 +0.3	
MCBM	Casa Benchmark	0.07 340		Pg		12 01 07.2 +0.4	
MLCM	Laurel Creek C	0.08 277		Pg		12 01 07.0 +0.2	
MLHM	Little Hot Crek	0.08 3		Pg		12 01 07.2 +0.5	
MIEM	East Mammoth H	0.11 304		Pg		12 01 07.8 +0.4	
MLLS	Mammoth Lakes	0.14 294		Pg		12 01 08.3 +0.4	
OMMB	Old Mammoth Mi	0.14 274		Pg		12 01 08.1 +0.2	
OMMB	Old Mammoth Mi	0.14 274		Sg		12 01 10.2 +0.3	
OMMB	comp=N,3um,0.2s			IAML		12 01 10.4	
OMMB	comp=E,2um,0.3s			IAML		12 01 10.5	
KLIM	Lincoln Peak	0.16 282		Pg		12 01 08.8 +0.5	
MDYM	Dry Creek	0.16 290		Pg		12 01 08.8 +0.5	
MMPM	Mammoth Pass	0.17 272		Pg		12 01 08.6 +0.2	
MMSM	Mammoth Summit	0.17 279		Pg		12 01 08.8 +0.4	
MRDI	Red Cones	0.2 269		Pg		12 01 09.0 +0.3	
MINNS	Minaret Summit	0.20 285		Pg		12 01 09.1 +0.2	
MINNS	Minaret Summit	0.20 285		Sg		12 01 11.9 +0.4	
MDCM	Deadman Creek	0.20 301		Pg		12 01 09.3 +0.2	
MDPB	Devils Postpil	0.21 278		Pg		12 01 09.3 +0.2	
MDPB	Devils Postpil	0.21 278		Sg		12 01 12.2 +0.4	
MDPB	comp=N,3um,0.3s			IAML		12 01 12.6	
MDPB	comp=E,4um,0.3s			IAML		12 01 12.6	
BENR	Benton	0.23 60		Pg		12 01 09.6 +0.1	
MRCM	Red Rock Canyon	0.26 74		Pg		12 01 10.3 +0.3	
MCDM	Chidago Canyon	0.30 100		Pg		12 01 11.4 +0.5	
BHCR	Bishop	0.40 139		Pg		12 01 13.1 +0.3	
KKC	Kaiser Creek	0.48 235		Pg		12 01 14.2 0.0	
KCC	Kaiser Creek	0.48 235		Sg		12 01 14.8 +0.1	
POCCA	Poleta Canyon	0.49 119		Pg		12 01 14.8 +0.3	
LHV	Little Huntoon	0.69 21		Pg		12 01 14.8 +0.2	
LHV	Little Huntoon	0.69 21		IAML		12 01 31.6	
LHV	comp=N,144nm,0.4s			IAML		12 01 33.5	
DSP	Deep Springs	0.72 109		Pg		12 01 18.6 0.0	
TIN	Tinemaha, Big	0.72 139		Pg		12 01 19.0 +0.2	
NV11	Mina Array Sit	0.98 32		Pg		12 01 23.8 +0.1	
MZP	Montezuma Peak	1.15 85		Pg		12 01 27.0 +0.1	
MZP	Montezuma Peak	1.15 85		IAML		12 01 49.5	
GMN	Gold Mountain	1.28 103		IAML		12 01 50.7	
GMN	comp=N,48nm,0.5s			IAML		12 01 50.7	
GMN	comp=E,33nm,0.7s			IAML		12 01 53.6	
CWC	Cottonwood Cr	1.30 153		Pg		12 01 29.1 -0.8	
GRAC	Grapevine Rang	1.31 117		Pg		12 01 30.0 0.0	
GRAC	Grapevine Rang	1.31 117		IAML		12 01 52.6	
GRAC	comp=N,109nm,0.7s			IAML		12 01 52.8	
GRAC	comp=E,99nm,0.4s			IAML		12 01 52.8	
CMB	Columbia Colle	1.31 290		Pn		12 01 28.9 -1.1	
CMB	Columbia Colle	1.31 290		IAML		12 01 48.7	
CMB	comp=E,47nm,0.2s			IAML		12 01 50.5	
CGO	Cerro Gordo	1.33 142		Pg		12 01 29.6 -0.8	
MRHM	Rocky Hill	1.33 189		Pn		12 01 29.2 -1.1	
RCTC	Reactor former	1.34 195		Pn		12 01 29.9 -0.5	
TPH	Tonopah	1.35 69		Pn		12 01 30.2 -0.5	
TPH	Tonopah	1.35 69		IAML		12 01 53.5	
SPG2	Springville, 1.0s	1.40 178		Pn		12 01 30.7 -0.6	
YERR	Yerington	1.42 347		Pn		12 01 31.4 -0.3	
KVN	Kaiserville	1.55 21		Pb		12 01 34.0 -0.4	
PNTR	Pine Nut	1.60 338		Pb		12 01 35.0 -0.2	
PNTR	Pine Nut	1.60 338		IAML		12 01 40.8	
PNTR	comp=E,26nm,0.6s			IAML		12 02 03.3	
PWMM	Westland Maint	1.61 224		Pb		12 01 35.1 -0.1	
ZMB	Emerald Bay	1.70 324		Pn		12 01 36.2 +0.6	
EMB	Emerald Bay	1.70 324		IAML		12 02 02.8	
EMB	comp=E,18nm,0.5s			IAML		12 02 15.9	
PDRM	Domengine Ranc	1.77 225		Pb		12 01 37.5 -0.5	
PKEM	Kettleman Hill	1.85 214		Pb		12 01 39.3 -0.1	
WCT	Wildcat Mouta	1.93 114		IAML		12 02 09.7	
WCT	Wildcat Mouta	1.93 114		IAML		12 02 10.9	
WHFM	Hanning Flng	1.94 169		Pb		12 01 40.5 -0.4	
PJUM	Juniper Ridge	1.98 227		Pb		12 01 40.7 -0.8	
MTOS	Mt Oso, Westle	2.00 268		Pb		12 01 40.7 -1.0	
CMMP	Mikes Peak	2.00 264		Pb		12 01 40.6 +1.1	
BAVM	Antelope Valle	2.01 242		Pb		12 01 40.9 -1.1	
BBVG	Big Mountain B	2.05 241		Pb		12 01 42.0 -0.8	
CTM	Castle Mountain	2.06 217		Pb		12 01 42.7 +1.3	
SRTC	Short	2.09 155		Pb		12 01 43.9 +0.5	
PSRM	Scobie Ranch	2.10 87		Pb		12 01 42.4 -1.2	
PMPB	Monarch Peak	2.11 230		Pb		12 01 41.6 +0.6	
LRV	Little Rabbit	2.12 237		Pb		12 01 42.7 -1.1	
CSTL	Corral Hollow	2.13 272		Pb		12 01 42.7 -1.3	
PHFM	Helfinger Ranc	2.14 217		Pb		12 01 42.7 +1.3	
PSMT	Stockdale Moun	2.15 220		Pb		12 01 43.4 +1.4	
BVL	Bear Valley	2.15 242		Pb		12 01 43.4 -1.1	
PVCM	Viueyard Canyo	2.17 220		Pb		12 01 43.4 +1.1	
ARN	Arnold Ranch	2.17 264		Pn		12 01 43.1 +1.3	
EPIM	Pinnacles	2.18 430		Pb		12 01 43.8 +1.4	
PKLM	Kerr Lake	2.20 214		Pb		12 01 43.3 +1.5	
BJOM	Mount Johnson	2.22 245		Pb		12 01 44.0 -1.5	
PWKM	Work Ranch	2.24 218		Pb		12 01 44.0 +1.2	
TRAM	Prater Proper	2.25 212		Pb		12 01 44.1 +1.2	
PBPM	Bitterwater Pu	2.26 207		Pb		12 01 44.8 -1.5	
MHC	Mount Hamilton	2.26 264		Pb		12 01 45.8 -1.4	
BSGM	Shirtrial Gulc	2.28 239		Pb		12 01 44.8 +1.5	
SCZ	Santa Cruz	2.29 245		Pn		12 01 44.7 +1.2	
TEJ	El Tejon	2.37 177		Pb		12 01 48.0 -0.2	
CALM	Calaveras Res.	2.37 267		Pb		12 01 46.0 +1.4	
BSSM	Soledad Missio	2.42 241		Pb		12 01 46.8 +1.6	
HAST	Hastings Reser	2.50 242		Pb		12 01 47.3 +0.9	

TUL 02 12:06:17.3±0.4,36°03'N,0°07'97"90W,0.01,1h6km,3km, ML3.5,mb_Lg3.4/131(NEIC),ML3.5/46(NEIC), Error ellipse: s-maj=1.5km s-min=0.5km az=127.0

NEIC 02 12:06:17.9±0.3,36°04'N,0°19'97"90W,0.01,1h2km,5km, Error ellipse: s-maj=1.8km s-min=1.3km az=201.0

ANF 02 12:06:17.1±0.2,36°03'N,97°90'W,h2km,ML4.1/14, Error ellipse: s-maj=2.9km s-min=2.4km az=12.0

ISC 02 12:06:17.1±1.2,36°05'N,0°02'97"89W,0.02,h0km,11km, n122,-0691/75,Oklahoma

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
Op	ISC	h	m	s	ISC		
OK029	Liberty Lake	0.43 125		Pg		12 06 25.9 +0.5	
OK029	Liberty Lake	0.43 125		IAML		12 06 32.5	
OK029	3um,0.3s			IAML		12 06 32.5	
OK029	6um,0.4s			IAML		12 06 32.5	
CROK	Carrier	0.46 351		Pg		12 06 26.7 +0.7	
CROK	Carrier	0.46 351		Sg		12 06 33.1 +1.1	
CROK	Carrier	0.46 351		IAML		12 06 33.9	
CROK	comp=E,4um,0.3s			IAML		12 06 42.4	
CROK	comp=N,3um,0.3s			IAML		12 06 42.4	
ADOK	Arcadia Dam	0.58 133		Pg		12 06 28.5 +0.4	
ADOK	Arcadia Dam	0.58 133		Sg		12 06 34.3 +1.3	
OKCSW	OKLAHOMA CITY	0.74 150		Pg		12 06 31.4 +0.1	
OKCSW	OKLAHOMA CITY	0.74 150		Sg		12 06 41.5 +0.7	
OKCSW	OKLAHOMA CITY	0.74 150		IAML		12 06 44.3	
OKCSW	comp=E,2um,0.5s			IAML		12 06 44.3	
CSTR	Hydro, Custer	0.76 239		Pg		12 06 31.7 0.0	
CSTR	Hydro, Custer	0.76 239		Sg		12 06 41.9 +0.3	
OK033	Mehan	0.77 90		Pg		12 06 32.3 +0.4	
OK032	Salt Plains WL	0.80 341		Pg		12 06 32.6 +0.2	
OK032	Salt Plains WL	0.80 341		IAML		12 06 44.1	
OK032	comp=E,2um,0.3s			IAML		12 06 44.1	
OK032	comp=N,3um,0.3s			IAML		12 06 44.1	
GC02	Grant County #	0.80 2		Pg		12 06 32.7 +0.2	
OK038	West end E0370	0.81 302		Pg		12 06 32.6 -0.1	

OK048	Pawnee Station	0.85 64		Pg		12 06 33.6 +0.2	
OK031	S. Brethren Rd	0.86 96		Pg		12 06 33.8 +0.2	
FNO	Franklin	0.88 153		Pg		12 06 33.7 -0.4	
FNO	Franklin	0.88 153		Sg		12 06 45.9 +0.4	
FNO	Franklin	0.88 153		IAML		12 06 53.5	
FNO	comp=N,1um,0.6s			IAML		12 06 53.9	
OK052	Battle Ridge R	0.88 93		Pg		12 06 34.3 +0.2	
OK052	Battle Ridge R	0.88 93		IAML		12 06 57.8	
OK052	comp=E,1um,0.3s			IAML		12 07 00.6	
OK052	comp=E,1um,0.3s			IAML		12 07 00.6	
BLOK	Blackwell	0.90 37		Pg		12 06 34.5 +0.2	
BLOK	Blackwell	0.90 37		IAML		12 06 49.4	
OK030	Cody Creek RV	0.91 97		Pg		12 06 57.4	
OK030	Cody Creek RV	0.91 97		IAML		12 06 58.2	
OK030	comp=E,950nm,0.3s			IAML		12 06 58.2	
KAN14	Manchester OK	0.91 356		Pg		12 06 56.7	
KAN14	Manchester OK	0.91 356		IAML		12 06 56.7	
U32A	Winter Ranch,	0.96 291		Pg		12 06 35.2 -0.3	
U32A	Winter Ranch,	0.96 291		IAML		12 06 51.2	
U32A	comp=E,2um,0.4s			IAML		12 06 51.2	
U32A	Winter Ranch,	0.96 291		P		12 06 35.2 -0.3	
U32A	Winter Ranch,	0.96 291		S		12 06 48.4 +0.5	
U32A	comp=N,111,SNR=254			S		12 06 48.4 +0.5	
QUOK	Quay	0.96 82		Pg		12 06 35.7 0.0	
QUOK	Quay	0.96 82		IAML		12 06 53.7	
QUOK	comp=N,1um,0.3s			IAML		12 07 04.6	
QUOK	comp=N,1um,0.3s			IAML		12 07 04.6	
QUOK	comp=E,969nm,0.2s			IAML		12 07 04.6	
OK051	E0350 and S346	0.97 61		IAML		12 06 53.9	
OK051	E0350 and S346	0.97 61		IAML		12 06 53.9	
NOKA	Waynoka	1.03 305		Pg		12 06 36.5 -0.3	
KAN10	Anthony SW Sta	1.09 351		Pg		12 06 37.7 -0.3	
KAN10	Anthony SW Sta	1.09 351		Pb		12 06 38.2 -1.0	
ARGONIA	Argonia	1.11 5		Pb		12 07 02.0	
DEOK	Depew	1.15 100		IAML		12 07 02.0	
DEOK	Depew	1.15 100		IAML		12 07 02.0	
DEOK	comp=N,877nm,0.3s			IAML		12 07 02.5	
DEOK	comp=N,877nm,0.3s			IAML		12 07 02.5	
KAN08	Anthony NE Sta	1.18 357		Pb		12 06 39.4 -1.0	
ELIS	Ellis County	1.24 271		Pn		12 06 40.2 -1.5	
ELIS	Ellis County	1.24 271		IAML		12 07 02.6	
KS21	Millan North St	1.25 8		P		12 06 40.8 -1.1	
T35B	Sooner Cattle	1.41 52		P			

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like POC Station P, Huiquique, Diego Aracena, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like VAO Valinhos, PARS Pararubina, MALB Monte Alegre, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like WAZ Wanganui, MRZ Mangatoinoka, OUZ Omaha, etc.

2d 13h

Table with columns: Call sign, Name, Frequency, Mode, Power, Location, and other details. Includes stations like HHAR Hobbs, Z35A Perchaven, APMT Aspermont, etc.

2017 NOV

Table with columns: Call sign, Name, Frequency, Mode, Power, Location, and other details. Includes stations like OXF Oxford, O44A Mansfield, RWWY Rawlins, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, Location, and other details. Includes stations like JUON Shirataka, JYS Shirataka, JCN Shirataka, etc.

2d 14h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes stations like EARA, ESAC, San Caprasio, Miracle, Miracolo, etc.

2017 NOV

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes stations like QUIF, LDF, EPLA, SGMF, MVO, FLN, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes stations like KURBB, BVAR, GEYT, ILAR, VYDA, etc.

JTS	comp=Z,159m,18.6s,baz=290,slow=37	LR	LR	15 56 05.5
RIMA	12.67 118	Pn	Pn	15 52 08.5 +1.9
833A	Chaparral WMA, 12.85 343	Pn	Pn	15 52 08.2 +0.8
833A	Chaparral WMA, 12.85 343	Pn	Pn	15 52 10.2 +1.3
SRBA	San Rafael, Bu 13.37 119	Pn	Pn	15 52 17.1 +1.0
HNDO	Hondo 13.97 345	Pn	Pn	15 52 24.8 +0.6
DRIO	Del Rio 14.25 340	Pn	Pn	15 52 27.6 -0.4
435B	Jarrell 14.86 352	Pn	Pn	15 52 37.9 +1.6
435B	Jarrell 14.86 352	P	Pn	15 52 37.1 +0.7
JCT	Junction City 15.01 344	Pn	Pn	15 52 40.2 +1.9
SAND	Sanderson 15.27 337	Pn	Pn	15 53 03.6 +1.8
SAND		I Amb	I Amb	15 53 06.6
TX32	Lajitas Array 15.38 331	Pn	Pn	15 52 44.1 +0.7
TXAR	Lajitas Array 15.38 331	Pn	Pn	15 52 44.1 +0.8
TXAR	Lajitas Array 15.38 331	Pn	Pn	15 52 45.2 +1.8
TXAR	comp=Z,0.1nm,0.3s,baz=152,slow=14,SNR=19	Lg	Lg	15 57 10.1
TX31	baz=150,slow=25,SNR=1.7			
TX31	Lajitas Ar. 9m 15.38 331	Pn	Pn	15 52 44.0 +0.6
BRDY	Brady 15.59 348	Pn	Pn	15 52 46.0 -0.1
BRDY		I Amb	I Amb	15 52 57.4
OZNA	Ozona 15.80 341	Pn	Pn	15 52 49.4 +0.7
OZNA		I Amb	I Amb	15 53 27.4
SLBS	Sierra Lagu 15.83 301	P	P	15 52 52.4 -0.5
WHTX	Lake Whitney, 16.04 353	Pn	Pn	15 52 52.2 +0.5
WHTX		I Amb	I Amb	15 53 13.9
WHTX	comp=Z,3.7nm,0.8s			
WHTX	Lake Whitney, 16.04 353	P	Pn	15 52 52.9 +1.1
ALPN	Alpine 16.25 333	Pn	Pn	15 52 56.2 +1.5
ALPN		I Amb	I Amb	15 53 18.3
FW13	Cleburne 16.39 353	P	Pn	15 52 57.1 +0.8
FW13		I Amb	I Amb	15 53 10.1
TREL	Terrell 16.66 357	P	P	15 52 57.0 -2.7
TREL		I Amb	I Amb	15 53 09.6
SGCV	Sterling City 16.73 342	Pn	Pn	15 52 60.0 -0.6
SGCV		I Amb	I Amb	15 53 25.8
MNHN	Monahans 16.75 337	P	P	15 53 04.8 +1.8
MNHN		I Amb	I Amb	15 53 19.2
FW07	Weatherford 16.78 352	P	P	15 53 03.5 +0.2
FW07		I Amb	I Amb	15 53 16.7
PLPT	Palo Pinto 16.96 351	P	P	15 53 06.0 +0.6
PLPT		I Amb	I Amb	15 53 11.3
FW06	Azle 17.02 353	P	P	15 53 06.0 -0.0
FW06		I Amb	I Amb	15 53 17.1
ABTX	Abilene, Hawle 17.02 347	P	P	15 53 05.9 +1.6
ABTX		I Amb	I Amb	15 53 18.6
ABTX	Abilene, Hawle 17.02 347	P	Pn	15 53 05.4 +1.1
FW03	Perrin-Whitt E 17.15 352	P	Pn	15 53 05.0 -0.9
FW03		I Amb	I Amb	15 53 19.4
Z38A	Mt. Pleasant 17.17 1 P	P	Pn	15 53 05.9 -0.2
PECS	17.21 334	P	Pn	15 53 07.2 +0.5
PECS		I Amb	I Amb	15 53 20.5
425A	Indio Mountain 17.22 330	P	Pn	15 53 07.6 +0.7
Z41A	Richland Creek 17.30 7 P	Pn	Pn	15 53 06.8 -1.0
Z35A	Perchaven, San 17.34 354	P	Pn	15 53 07.0 -1.2
Z35A		I Amb	I Amb	15 53 22.3
ODSA	Odesa 17.37 339	Pn	Pn	15 53 08.6 -0.1
ODSA		I Amb	I Amb	15 53 29.2
SN01	Snyder I 17.55 344	P	Pn	15 53 10.4 -0.5
SN01		I Amb	I Amb	15 53 20.2
APMT	Aspermont 17.80 346	Pn	Pn	15 53 12.5 -1.5
APMT		I Amb	I Amb	15 53 27.9
WTF5	Witchita Falls 17.92 351	P	Pn	15 53 14.5 -0.9
WTF5		I Amb	I Amb	15 53 25.7
LOOK	Love County 17.99 355	Pn	Pn	15 53 15.6 -0.6
352A	Blakely 18.02 29 P	Pn	Pn	15 53 14.6 -2.0
352A		I Amb	I Amb	15 53 23.0
MNTX	Cornudas Mount 18.16 331	P	Pn	15 53 17.2 -1.2
MNTX	Cornudas Mount 18.16 331	P	Pn	15 53 19.2 +0.7
DKNS	Dickens 18.32 345	P	Pn	15 53 19.7 -0.7
DKNS		I Amb	I Amb	15 53 32.2
X37A	Clayton 18.50 360	P	P	15 53 21.5 -0.8
X37A		I Amb	I Amb	15 53 41.8
LRAL	Lakeview Retre 18.50 22 P	P	P	15 53 21.1 -1.2
LRAL	Lakeview Retre 18.50 22 P	P	P	15 53 21.0 -1.4
MIAR	Mount Ida 18.51 4 P	P	P	15 53 21.1 -1.3
MIAR	Mount Ida 18.51 4 P	P	P	15 53 22.5 +0.1
X40A	Basin Creek Fa 18.52 6 P	P	P	15 53 21.5 -1.0
TIGA	Tifton 18.65 33 P	P	P	15 53 21.8 -2.2
TIGA		I Amb	I Amb	15 53 30.0
TIGA	comp=Z,5.1nm,1.2s			
TIGA	Tifton 18.65 33 P	P	P	15 53 22.5 -1.4
X34A	Smith Ranch, M 18.66 353	P	P	15 53 23.5 -0.6
X34A		I Amb	I Amb	15 53 50.9
UALR	University of 18.86 7	P	P	15 53 25.3 -0.9
UALR		I Amb	I Amb	15 53 31.7
WMOK	Wichita Mounta 18.92 351	P	P	15 53 26.6 -0.4
WMOK	Wichita Mounta 18.92 351	P	P	15 53 27.9 +0.9
152A	Waverly Hall 19.13 28 P	P	P	15 53 27.7 -1.3
W35A	Tecumseh 19.12 356	P	P	15 53 28.7 -0.4
W35A		I Amb	I Amb	15 53 45.5
OXF	Oxford 19.14 15 P	P	P	15 53 28.4 -1.0
OXF		I Amb	I Amb	15 53 40.9
MSTX	Muleshoe 19.14 340	P	P	15 53 30.4 +0.9
MSTX		I Amb	I Amb	15 53 45.5
WHAR	Woolly Hollow 19.37 7 P	P	P	15 53 30.1 -1.8
Y48A	Blount Mountai 19.45 22 P	P	P	15 53 31.1 -1.1
SMWD	Samnorwood 19.54 348	P	P	15 53 33.1 -0.8
SMWD		I Amb	I Amb	15 53 45.9
AMTX	Amarillo 19.67 344	P	P	15 53 35.2 -0.1
AMTX		I Amb	I Amb	15 53 45.1
AMTX	Amarillo 19.67 344	P	P	15 53 35.8 +0.5
X48A	Hartselle 19.77 20 P	P	P	15 53 35.3 -0.9
DEOK	Depew 19.78 357	P	P	15 53 35.6 -0.7
DEOK		I Amb	I Amb	15 53 39.6
TUL3	Leonard 19.82 359	P	P	15 53 35.3 -1.5
TUL3	Leonard 19.82 359	P	P	15 53 36.2 -0.6
OK030	Cody Creek RV 19.88 356	P	P	15 53 36.0 -1.5
OK031	S. Brethren Rd 19.91 356	P	P	15 53 36.6 -1.2
PLAL	Pickwick Lake 19.94 17 P	P	P	15 53 36.2 -1.9
OK052	Battle Ridge R 19.95 356	P	P	15 53 36.9 -1.3
319A	Douglas 19.97 322	P	P	15 53 39.5 +1.0
319A		I Amb	I Amb	15 53 50.7
FCAR	Ozark Folk Cen 19.98 7 P	P	P	15 53 36.7 -1.9
FCAR		I Amb	I Amb	15 53 42.5
OK033	Mehan 20.01 356	P	P	15 53 37.8 -1.0
121A	Cookes Peak, D 20.02 327	P	P	15 53 39.9 +0.6
121A		I Amb	I Amb	15 53 53.5

121A	Cookes Peak, D 20.02 327	P	P	15 53 40.4 +1.1
QUOK	Quay 20.12 356	P	P	15 53 38.6 -1.4
HHAR	Hobbs 20.22 3	I Amb	I Amb	15 53 40.5 -0.6
HHAR		I Amb	I Amb	15 53 45.7
LCAR	Lake Charles 20.30 9 P	P	P	15 53 40.5 -1.5
LCAR		I Amb	I Amb	15 53 44.8
GOGA	comp=Z,1.6nm,0.7s			
GOGA	Godfrey 20.30 29 P	P	P	15 53 41.0 -1.0
GOGA	Godfrey 20.30 29 P	P	P	15 53 40.3 -1.7
U38A	Gravette 20.36 2 P	P	P	15 53 41.2 -1.4
U38A		I Amb	I Amb	15 53 52.9
FPAL	Fort Paine 20.36 23 P	P	P	15 53 41.7 -1.0
Y52A	Lilburn 20.41 27 P	P	P	15 53 40.2 -3.1
Y52A		I Amb	I Amb	15 53 59.0
OK05	comp=Z,1.9nm,1.1s			
OK05	E0350 and S346 20.46 356	I Amb	I Amb	15 53 45.0
OK05	comp=Z,3.6nm,0.8s			
CROK	Carrier 20.56 354	I Amb	I Amb	15 53 57.7
BLOK	Blackwell 20.74 355	I Amb	I Amb	15 53 56.6
SWET	Sewanee 20.84 22 P	P	P	15 53 45.8 -2.2
KAN13	South Haven SW 21.01 355	I Amb	I Amb	15 54 05.8
W50A	Signal Mountai 21.05 23 P	P	P	15 53 47.9 -2.3
W50A		I Amb	I Amb	15 54 20.3
PMBO	Poplar Bluff 21.11 11 P	P	P	15 53 44.8 -2.3
PMBO		I Amb	I Amb	15 54 01.4
KAN01	Argonia South 21.18 354	I Amb	I Amb	15 53 52.4
MGMO	Mountain Grove 21.21 6 P	P	P	15 53 49.9 -2.0
MGMO		I Amb	I Amb	15 53 56.7
ANMO	Albuquerque 21.39 334	P	P	15 53 54.5 +0.5
ANMO	Albuquerque 21.39 334	P	P	15 53 55.5 +1.5
ANMO	Albuquerque 21.39 334	P	P	15 53 54.3 +0.3
ANMO	comp=Z,1.8nm,0.5s,baz=190,slow=39	LR	LR	16 02 51.6
ANMO	comp=Z,1.8nm,0.5s,baz=190,slow=39	LR	LR	16 02 51.6
RTBA	Rita Blanca 21.42 343	P	P	15 53 54.3 +0.1
RTBA		I Amb	I Amb	15 53 59.7
TUC	Tucson 21.53 322	P	P	15 53 56.3 +0.8
TUC	Tucson 21.53 322	P	P	15 53 57.0 +1.5
HODGE	Hodges 21.55 30 P	P	P	15 53 53.0 -2.6
PLMC	San Jos del P 21.60 119 eP	P	P	15 53 55.0 -1.3
S39A	Bolivar 21.66 4 I Amb	I Amb	I Amb	15 53 59.8
SG3	Lake Jocassee 21.86 28 I Amb	I Amb	I Amb	15 54 16.4
TKL	Tuckaleechee C 22.06 25 P	P	P	15 54 00.2 -0.9
TKL	comp=Z,4.6nm,0.8s,baz=190,slow=6,SNR=5.7	S	S	15 58 04.0 0.0
TKL	comp=Z,2.1nm,0.4s,baz=98,slow=16,SNR=2.1	LR	LR	16 05 31.9
T47A	comp=Z,8.1nm,18.2s,baz=218,slow=45			
T47A	Sharon Grove 22.09 17 I Amb	I Amb	I Amb	15 54 06.8
GUY2C	Guyana, Caldas 22.09 17 eP	P	P	15 54 06.0 +2.6
JAMC	Jamundi, Valle 22.22 123 eP	P	P	15 54 07.7 +4.6
CCM	Cathedral Cave 22.23 8 P	P	P	15 54 00.1 -2.7
CCM		I Amb	I Amb	15 54 05.9
CCM	Cathedral Cave 22.23 8 P	P	P	15 54 02.6 -0.2
PAULI	Pauline 22.24 30 P	P	P	15 54 00.0 -2.9
PAULI		I Amb	I Amb	15 54 09.6
SIUC	Southern Illin 22.25 13 I Amb	I Amb	I Amb	15 54 32.5
R40A	Maddies Statio 22.34 6 I Amb	I Amb	I Amb	15 54 07.2
NORC	Norcasia 22.48 115 eP	P	P	15 54 06.9 +1.2
V53A	Saluda 22.48 27 P	P	P	15 54 03.5 -2.1
214A	Organ Pipe Nat 22.55 318 P	P	P	15 54 07.9 +1.5
T25A	Trinidad 22.57 341 I Amb	I Amb	I Amb	15 54 11.0
T25A	Trinidad 22.57 341 P	P	P	15 54 07.6 +0.9
POP	Popayan, Colom 22.62 124 eP	P	P	15 54 10.7 +3.3
OTAV	Otavallo 22.77 132 P	P	P	15 54 11.1 +1.8
OTAV	Otavallo 22.77 132 eP	P	P	15 54 15.6 +6.3
ORTE	Ortega, Tolima 23.00 119 eP	P	P	15 54 13.4 +2.2
ROSC	El Rosal 23.31 116 P	P	P	15 54 15.1 +0.4
ROSC	El Rosal 23.31 116 P	P	P	15 54 15.3 +0.5
ROSC	comp=Z,6.2nm,0.5s,baz=239,slow=16,SNR=1.5	LR	LR	16 03 47.7
V55A	Taylorville 23.36 30 I Amb	I Amb	I Amb	15 54 26.4
W7A	Prado 23.41 119 eP	P	P	15 54 17.8 +2.4
W7A	Gilead 23.42 33 P	P	P	15 54 13.7 -1.6
W7A		I Amb	I Amb	15 54 24.7
X16A	Lo Mia Camp, P 23.43 324 I Amb	I Amb	I Amb	15 54 23.7
Q44A	Meyer Farm, Va 23.44 12 I Amb	I Amb	I Amb	15 54 27.4
OLIL	Olney 23.48 14 I Amb	I Amb	I Amb	15 54 45.6
WCI	Wyandotte Cave 23.48 18 P	P	P	15 54 14.2 -1.5
WCI		I Amb	I Amb	15 54 16.0
SDCO	Great Sand Dun 23.48 339 P	P	P	15 54 16.5 +0.3
BARC	Barichara 23.50 111 eP	P	P	15 54 20.1 +3.6

2d 15h

MSO	Missoula	34.45 337	P	P	15 55 44.2	+0.3
YBH	Yreka Blue Hor	34.90 323	LR	LR	16 10 44.0	
KHMM	Horse Mountain	34.98 321	IAMB	IAMB	15 56 04.0	
F10A	Beach Ranch, E	35.10 333	IAMB	IAMB	15 56 09.8	
NEW	Newport	36.86 335	LR	LR	16 14 05.5	
ETM	Extrema	38.49 130	P	P	15 56 29.4	+0.8
SAML	Samuel	40.24 126	P	P	15 56 42.5	-0.7
LP4Z	La Paz	41.75 137	P	P	15 56 57.1	+0.8
LP4Z	La Paz	41.75 139	P	P	15 56 57.9	+1.6
LP4Z			LR	LR	16 13 46.8	
MDP	Montagnes des	43.12 100	LR	LR	16 17 34.0	
SCHO	Schefferville	44.50 23	LR	LR	16 19 39.7	
LVC	Limon Verde	46.21 145	LR	LR	16 16 02.8	
SIV	San Ignacio	46.32 132	LR	LR	16 16 23.1	
YKA	Yellowknife Ar	47.55 135	P	P	15 57 47.4	-0.5
DLBC	Dease Lake	49.58 337	P	P	15 57 57.4	+0.3
FRB	Frrobisher Bay	51.11 15	LR	LR	16 23 32.4	
M31M	Drury Creek, Y	53.73 338	P	P	15 58 27.9	-0.1
N31M	Braeburn, Yuko	53.77 337	P	P	15 58 27.7	-0.7
MT08	Bocotoma Ro	54.74 154	P	P	15 58 38.9	+2.9
M29M	Somme Creek	55.36 337	P	P	15 58 40.2	+0.2
MESA	MESA	55.48 334	P	P	15 58 40.7	-0.2
L29M	L29M	55.64 338	IAMB	IAMB	15 58 45.5	
L29M	L29M	55.64 338	P	P	15 58 42.4	+0.5
YUK3	Moose Creek	55.74 336	P	P	15 58 42.4	-0.4
K29M	Barlow Dome	55.88 339	IAMB	IAMB	15 59 13.1	
K29M	Barlow Dome	55.88 339	P	P	15 58 44.5	+0.8
CPUP	Villa Florida	55.92 138	LR	LR	16 22 03.5	
J30M	Hart River	55.95 340	IAMB	IAMB	15 59 17.7	
J30M	Hart River	55.95 340	P	P	15 58 44.1	0.0
BDFB	Brasilia	56.20 122	P	P	15 58 48.1	+1.5
BDFB			LR	LR	16 24 11.4	
I30M	Mount Dempster	56.38 341	P	P	15 58 47.2	0.0
MCARA	McCarthy VSAT	56.56 335	P	P	15 58 53.2	+4.8
MCARA	McCarthy VSAT	56.56 335	P	P	15 58 49.0	+0.6
M27K	Edge Creek, AK	56.62 336	P	P	15 58 49.2	+0.2
DAWY	Dawson	56.67 338	P	P	15 58 49.5	+0.3
G31M	Satah River	56.89 343	IAMB	IAMB	15 58 50.8	+0.2
G31M	Satah River	56.89 343	P	P	15 58 51.9	
G31M	Satah River	56.89 343	P	P	15 58 51.0	+0.4
GLB	Gilahina Butte	56.91 335	IAMB	IAMB	15 58 55.5	
L27K	Beaver Creek,	56.99 337	P	P	15 58 50.8	-0.7
BMRM	Bremner River	57.01 334	P	P	15 58 51.2	-0.5
Q23K	Middleton Isla	57.05 332	P	P	15 58 51.3	-0.6
M26K	Nabesna, AK	57.08 336	IAMB	IAMB	15 58 54.5	
M26K	Nabesna, AK	57.08 336	P	P	15 58 52.5	+0.3
I29M	Ogilvie Camp,	57.10 340	P	P	15 58 52.1	-0.1
EPYK	Eagle Plains	57.24 341	P	P	15 58 53.0	-0.2
EYAK	Cordova Ski Ar	57.30 333	P	P	15 58 54.1	+0.5
N25K	Chitina, Valde	57.32 334	IAMB	IAMB	15 58 56.8	
N25K	Chitina, Valde	57.32 334	P	P	15 58 53.9	0.0
G30M	tAoh Zraii Nji	57.49 342	P	P	15 58 55.1	+0.1
L26K	Log Cabin Wild	57.55 336	P	P	15 58 56.1	+0.7
L26K	Log Cabin Wild	57.55 336	IAMB	IAMB	15 58 58.4	
L26K	Log Cabin Wild	57.55 336	P	P	15 58 56.0	+0.5
K27K	Chicken	57.62 338	IAMB	IAMB	15 58 58.3	
K27K	Chicken	57.62 338	P	P	15 58 56.2	+0.3
H29M	Whitestone	57.66 341	IAMB	IAMB	15 59 13.0	
H29M	Whitestone	57.66 341	P	P	15 58 56.5	+0.4
INK	Inuvik	57.66 344	P	P	15 58 55.7	-0.3
INK	Inuvik	57.66 344	LR	LR	16 27 39.6	
I28M	Miner Creek	57.69 340	P	P	15 58 56.5	0.0
EGAK	Eagle	57.71 339	P	P	15 58 56.5	0.0
P23K	Montague Islan	57.78 332	P	P	15 58 57.3	+0.3
F30M	Barrier River	57.79 343	P	P	15 58 57.3	+0.3
KLU	Klutina	57.82 334	P	P	15 58 57.9	+0.5
HARP	HAARP	57.94 335	P	P	15 58 59.1	+0.9
G29M	Pine Creek	57.99 342	P	P	15 58 58.5	+0.1
GLI	Glacier Island	58.04 333	P	P	15 58 59.2	+0.4
M24K	Tolson, Glenn	58.22 335	P	P	15 59 01.2	+1.1
SCRK	Sand Creek	58.30 337	P	P	15 59 01.9	+1.1
SCRK			IAMB	IAMB	15 59 03.5	
SCRK	Sand Creek	58.30 337	P	P	15 59 01.9	+1.1
I27K	Kandik River	58.35 339	P	P	15 59 02.1	+1.1
PAX	Paxson	58.35 336	P	P	15 59 02.1	+0.9
J26L	Joseph Creek	58.42 338	IAMB	IAMB	15 59 04.5	
J26L	Joseph Creek	58.42 338	P	P	15 59 02.7	+1.1
SCM	Sheep Creek Mo	58.57 334	P	P	15 59 02.7	0.0
PWL	Port Wells	58.57 333	P	P	15 59 02.3	-0.4
SFJD	Kangertussuaq	58 58 19	LR	LR	16 24 55.7	
H27K	Steamboat Moun	58.68 340	P	P	15 59 04.0	+0.6
A36M	Sachs Harbour	58.70 349	P	P	15 59 03.7	+0.4
I26K	Coal Creek Min	58.71 339	P	P	15 59 03.8	+0.3
M23K	Glacier View	58.72 334	P	P	15 59 03.5	-0.2
SEW	Seward	58.76 332	P	P	15 59 03.2	-0.7
KNK	Knik Glacier	58.87 333	P	P	15 59 04.3	-0.4

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K24K	Donnelly Dome	58.89 336	P	P	15 59 05.2	+0.4
E29M	Blow River	58.90 343	IAMB	IAMB	15 59 28.3	
E29M	Blow River	58.90 343	P	P	15 59 04.8	+0.1
SML	Sawmill	58.99 334	IAMB	IAMB	15 59 14.8	
F28M	Sawmill	58.99 342	P	P	15 59 06.1	+0.6
S28L	Old Crow	58.99 342	IAMB	IAMB	15 59 07.2	
F28M	Old Crow	58.99 342	P	P	15 59 05.6	+0.2
G27K	Doyon Strip	59.06 340	IAMB	IAMB	15 59 07.2	
G27K	Doyon Strip	59.06 340	P	P	15 59 06.9	+1.0
WATK	Susitna Watana	59.09 335	P	P	15 59 07.6	+1.2
J25K	Salcha River,	59.14 337	P	P	15 59 07.3	+0.7
J25K	Salcha River,	59.14 337	IAMB	IAMB	15 59 15.0	
J25K	Salcha River,	59.14 337	P	P	15 59 02.7	+0.7
DHY	Denali Highway	59.17 335	P	P	15 59 07.8	+0.9
BRSE	Bradley Lake S	59.21 331	P	P	15 59 08.1	+1.1
PMR	Palmer	59.23 333	P	P	15 59 07.5	+0.4
RC01	Rabbit Creek A	59.29 333	IAMB	IAMB	15 59 11.5	
RC01	Rabbit Creek A	59.29 333	P	P	15 59 08.2	+0.7
E28M	Babbage River	59.51 343	P	P	15 59 09.0	0.0
WAT1	Susitna Watana	59.53 335	P	P	15 59 09.9	+0.6
HDA	Harding Lake	59.63 337	IAMB	IAMB	15 59 11.2	
HDA	Harding Lake	59.63 337	P	P	15 59 10.6	+0.7
PRP	Porcupine Dome	59.66 338	P	P	15 59 10.7	+0.4
M22K	Porcupine Dome	59.73 333	P	P	15 59 10.4	-0.2
D28M	Stokes Point	59.75 344	P	P	15 59 11.1	+0.6
IL31	comp=Z,7.6nm,1.1s	59.79 337	IAMB	IAMB	15 59 13.1	
ILAR	Eielson Array	59.79 337	P	P	15 59 11.1	+0.1
ILAR	comp=Z,3.3nm,1.0s,baz=136,slow=4.4,SNR=27		LR	LR	16 28 41.8	
CAPN	Captain Cook N	59.80 332	P	P	15 59 10.2	-0.8
SII	Silikak Island	59.83 327	P	P	15 59 11.7	+0.3
G26K	Porcupine Rive	59.84 340	P	P	15 59 10.5	-0.7
E27K	Coleen River	59.86 342	IAMB	IAMB	15 59 12.7	
E27K	Coleen River	59.86 342	P	P	15 59 11.0	-0.4
SUA	Susitna One	59.89 333	P	P	15 59 13.2	+1.4
CUT	Chulitna	60.07 334	P	P	15 59 13.2	+0.3
CCB	Clear Creek Bu	60.07 337	P	P	15 59 12.6	-0.3
CCB			IAMB	IAMB	15 59 14.8	
MCK	McKinley	60.09 336	P	P	15 59 14.2	+1.1
WRH	Wood River Hill	60.10 337	IAMB	IAMB	15 59 14.5	
H25L	Birch Creek	60.16 339	P	P	15 59 14.3	+0.9
POKR	Poker Plat Res	60.16 337	P	P	15 59 13.7	+0.2
COLA	Colgate	60.20 337	P	P	15 59 14.5	+0.8
O20K	Slope Mountain	60.22 331	P	P	15 59 15.0	+1.0
R18K	Kartuk	60.27 328	P	P	15 59 15.3	+1.0
Q19K	Cape Douglas,	60.30 329	P	P	15 59 16.0	+1.4
D27M	Malcoim River	60.31 343	P	P	15 59 14.8	+0.3
P19K	Oil Pt	60.35 330	P	P	15 59 15.9	+1.0
BMAR	Burnt Mountain	60.36 340	P	P	15 59 15.0	+1.0
F26K	Sheep River	60.36 341	P	P	15 59 15.5	+0.6
ILSW	Iliamna Southm	60.42 331	IAMB	IAMB	15 59 20.3	
N20K	Mount Spurr	60.44 332	P	P	15 59 16.1	+0.5
SKT	Skwentna	60.44 333	P	P	15 59 16.3	+0.8
SPCR	Spurr Chakacha	60.44 332	P	P	15 59 16.3	+0.8
G25K	Bearman Lake	60.51 339	P	P	15 59 16.1	+0.2
TRF	Thorofare Moun	60.51 335	P	P	15 59 16.7	+0.5
NEA2	Nenan	60.53 336	IAMB	IAMB	15 59 21.4	
NEA2	Nenan	60.53 336	P	P	15 59 16.4	+0.3
H24K	Noodor Dome	60.67 338	IAMB	IAMB	15 59 18.6	
H24K	Noodor Dome	60.67 338	P	P	15 59 17.3	+0.3
F25K	Christian River	60.79 340	P	P	15 59 18.6	+0.7
Q18K	Katmai Hardscr	60.89 329	P	P	15 59 19.3	+0.6
I23K	Minto, Yukon-K	60.90 337	P	P	15 59 19.4	+0.9
PLCA	Paso Flores	60.92 159	P	P	15 59 19.7	+0.7
PLCA			IAMB	IAMB	15 59 22.0	
PLCA	comp=Z,7.0nm,0.9s	60.92 159	P	P	15 59 20.4	+1.4
PLCA	comp=Z,5.0nm,0.9s,baz=339,slow=9.3,SNR=11		LR	LR	16 21 01.4	
G24K	Hadweezic Riv	60.95 339	P	P	15 59 18.5	-0.4
E25K	Arctic Village	61.05 341	P	P	15 59 20.1	+0.6
O19K	Port Alsworth	61.05 331	P	P	15 59 20.0	+0.3
BPWA	Bear Paw Mtn.	61.07 335	P	P	15 59 20.0	+0.3
BPWA			IAMB	IAMB	15 59 21.0	
BPWA	Bear Paw Mtn.	61.07 335	P	P	15 59 20.4	+0.7
PPLA	Purkeypie	61.08 334	P	P	15 59 20.3	+0.3
M20K	Styx River	61.10 333	P	P	15 59 20.9	+0.8
Q17K	Contact Creek	61.21 328	P	P	15 59 21.1	+0.2
P18K	Big Mountain,	61.23 330	P	P	15 59 21.4	+0.4
CAST	Castle Rocks	61.24 335	IAMB	IAMB	15 59 23.8	
CAST	Castle Rocks	61.24 335	P	P	15 59 21.3	+0.4
H23K	Yukon River	61.27 338	P	P	15 59 21.1	0.0
R17K	Ugashik River	61.29 327	P	P	15 59 22.3	+1.0
N19K	Bonzana Creek	61.36 331	P	P	15 59 22.2	+0.6
O18K	Koktah Hills	61.33 330	P	P	15 59 22.3	+0.5
MLY	Manley	61.37 336	P	P	15 59 21.3	-0.5
MLY	Manley	61.37 336	P	P	15 59 22.7	+1.0
L20K	Farewell, AK	61.64 333	P	P	15 59 24.5	+0.8
M19K	Big River Lodg	61.66 332	P	P	15 59 23.6	-0.2

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Q16K	King Salmon	61.72 329	P	P	15 59 24.6	+0.5
P17K	Kvichak River	61.76 329	P	P	15 59 25.1	+0.7
LL01	San Ignacio de	61.78 161	P	P	15 59 26.4	+1.7
G23K	Bananza Creek	61.85 338	P	P	15 59 25.5	+0.5
D25K	Kavik River	61.94 342	IAMB	IAMB	15 59 28.8	
D25K	Kavik River	61.94 342	P	P	15 59 26.1	+0.5
N18K	Kilae Creek	61.95 331	IAMB	IAMB	15 59 27.3	
N18K	Kilae Creek	61.95 331	P	P	15 59 26.1	+0.3
L19K	White Mountain	61.97 333	IAMB	IAMB	15 59 29.9	
L19K	White Mountain	61.97 333	P	P	15 59 2	

M24K	baz=224 Tolsona, Glenn	90.97	19	P	P	17 04 36.2 +1.5
K05A	Summer Lake	90.99	44	P	P	17 04 34.3 -1.2
H19K	Roundabout Moun	91.03	14	P	P	17 04 35.7 +0.9
TUQ	Turquoise Moun	91.04	52	P	P	17 04 34.7 -1.1
IRM	baz=244,SNR=5.7 Iron Mountain	91.06	54	P	P	17 04 35.3 -0.5
N25K	baz=244,SNR=20 Chitina, Valde	91.09	20	P	P	17 04 33.8 -1.5
N25K	comp=Z,22nm,1.3s Chitina, Valde	91.09	20	P	P	17 04 35.3 -0.1
ISLE	Juniper Island	91.11	22	P	P	17 04 43.2
H04A	baz=222 Detroit Lake	91.14	42	P	P	17 04 34.4 -1.6
YAH	Yatze	91.14	22	I	Amb	17 04 43.3
BP4W	baz=217 Bear Paw Mtn.	91.16	16	P	P	17 04 35.5 0.0
RND	Reindeer	91.18	18	P	P	17 04 33.8 -1.9
RND	Reindeer	91.18	18	P	P	17 04 33.8 -1.9
DDY	comp=Z,9.0nm,1.1s Denali Highway	91.35	18	P	P	17 04 37.2 +0.6
GRNC	Granite Creek	91.40	22	P	P	17 04 35.5 -1.5
GRNC	Granite Creek	91.40	22	P	P	17 04 44.9
TABL	Table Mountain	91.41	22	P	P	17 04 35.4 -1.6
TABL	Table Mountain	91.41	22	P	P	17 04 55.5
MCK	McKinley	91.42	17	P	P	17 04 37.5 +0.8
MCARA	baz=218 McCarthy VSAT	91.44	21	P	P	17 04 37.9 +1.1
TPNV	Topopah Spring	91.47	51	P	P	17 04 37.0 -0.8
BOD	Bodaibo	91.59	334	eP	Pmax	17 04 36.1 -1.5
BOD	Bodaibo	91.59	334	eP	Pmax	17 04 36.1 -1.5
BARN	baz=236nm,1.5s Barnard Glass	91.67	22	P	P	17 04 36.4 -1.8
BARN	Barnard Glass	91.67	22	P	P	17 04 46.2
CTGM	Chitina Glass	91.71	22	P	P	17 04 36.6 -1.7
CTGM	Chitina Glass	91.71	22	P	P	17 04 45.6
U33K	Whale Pass	91.72	28	P	P	17 04 36.7 -1.5
PAX	baz=202 Paxson	91.83	19	P	P	17 04 38.6 -0.1
F19K	Shaleruckik Mo	91.87	13	P	P	17 04 39.8 +1.1
PDMOI	baz=211 Parker Dam, Lak	91.87	54	P	P	17 04 38.3 -1.2
214A	Organ Pipe Nat	91.90	56	I	Amb	17 04 49.4
214A	Organ Pipe Nat	91.90	56	I	Amb	17 04 38.5 -1.3
V35K	Ketchikan	91.92	29	P	P	17 04 38.0 -1.2
S32K	Killsnoo	91.94	27	P	P	17 04 37.8 -1.5
V12A	Nelson	91.95	52	I	Amb	17 04 49.4
H21K	Melozitna Rive	91.97	15	P	P	17 04 39.6 +0.4
O28M	Mount Upton	91.97	22	P	P	17 04 39.4 -0.3
NEA2	Nenana	92.06	17	P	P	17 04 40.0 +0.3
SHPR	Sheep Range	92.06	51	I	Amb	17 04 50.2
P29M	Windy Craggy	92.09	24	P	P	17 04 38.8 -1.1
P29M	Windy Craggy	92.09	24	P	P	17 04 47.5
P29M	Windy Craggy	92.09	24	P	P	17 04 39.1 -0.8
M26K	Nabesna, AK	92.19	20	P	P	17 04 40.1 -0.2
WRAK	Wrangell Island	92.25	28	P	P	17 04 39.6 -1.1
ZAK	Zakamensk	92.30	324	eP	Pmax	17 04 40.4 -0.8
ZAK	Zakamensk	92.30	324	eP	Pmax	17 04 40.4 -0.8
C17K	Delong Mountain	92.35	10	P	P	17 04 40.5 -0.4
MENT	Mentasta	92.35	20	I	Amb	17 04 50.0
K24K	Donnelly Dome	92.37	18	P	P	17 04 40.0 -1.2
I23K	Minto, Yukon-K	92.42	16	P	P	17 04 41.1 -0.1
F20K	Avarast Lake	92.47	13	P	P	17 04 40.4 -1.1
R32K	Eaglecrest	92.48	26	P	P	17 04 40.4 -1.4
HDA	Harding Lake	92.50	18	I	Amb	17 04 48.5
HDA	Harding Lake	92.50	18	I	Amb	17 04 41.6 -0.1
PLBC	Pleasant Camp	92.50	25	P	P	17 04 40.6 -1.3
H22K	Ishitalina Cre	92.50	15	P	P	17 04 40.5 -1.2
E19K	Redstone River	92.52	12	P	P	17 04 40.9 -0.9
M27K	Edge Creek, AK	92.52	21	I	Amb	17 04 50.2
I07A	Ize	92.53	43	I	Amb	17 04 52.0
L26K	Troy Cabin Wild	92.53	20	P	P	17 04 40.4 -1.5
R11B	Log Canyon, C	92.56	50	P	P	17 04 41.4 -1.5
MDM	Murphy Dome	92.57	17	P	P	17 04 39.5 -2.6
YU3K	Moose Creek	92.58	22	P	P	17 04 41.0 -1.4
P30M	Million Dollar	92.71	24	P	P	17 04 41.1 -1.8
YU6K	Outpost Mounta	92.75	23	P	P	17 04 41.5 -1.7
ILAR	Eielson Array	92.79	17	P	P	17 04 40.0 -3.0
C18K	Utukok River	92.83	10	P	P	17 04 44.0 +0.7
H23K	Yukon River	92.91	16	P	P	17 04 43.2 -0.4
POKR	Poker Plat Res	92.91	17	P	P	17 04 43.0 -0.6
SKAG	Skagway	92.91	25	P	P	17 04 43.0 -0.7
YUK4	Talbot Arm	92.92	22	P	P	17 04 43.9 0.0
HYT	Haines Junctio	92.98	23	P	P	17 04 42.4 -1.8
SCRK	Sand Creek	93.03	19	I	Amb	17 04 51.6
SCRK	Sand Creek	93.03	19	I	Amb	17 04 42.6 -1.7
L27K	Beaver Creek,	93.04	20	P	P	17 04 44.2 -0.1
F21K	Alatina River	93.10	14	P	P	17 04 44.1 -0.3
G08A	Pilot Rock	93.44	42	I	Amb	17 04 55.9
G30A	Mendenhall	93.47	24	P	P	17 04 44.8 -1.5
C19K	Lookout Ridge	93.51	11	P	P	17 04 47.6 +1.3
T35M	Bob Quinn	93.51	29	P	P	17 04 45.3 -1.3
J26L	Joseph Creek	93.54	19	I	Amb	17 04 54.3
J26L	Joseph Creek	93.54	19	P	P	17 04 45.5 -1.2
TUC	Tucson	93.62	57	P	P	17 04 47.0 -0.6
TUC	Tucson	93.62	57	P	P	17 04 47.1 -0.6
TUC	Tucson	93.62	57	P	P	17 04 47.1 -0.6
K27K	Chicken	93.65	19	I	Amb	17 04 55.0
LCMT	Little Creek M	93.67	52	I	Amb	17 04 57.4
D20K	Etlivuk River	93.71	12	P	P	17 04 46.1 -1.1
M29M	Somme Creek	93.72	22	P	P	17 04 45.2 -2.4
SPR3	Spring Creek 3	93.73	49	P	I	17 04 47.2 -1.1
PRP	Porcupine Dome	93.73	17	P	P	17 04 47.9 +0.4
CCUT	Cedar City	93.81	51	I	Amb	17 04 58.5
ELK	Elko	93.84	48	P	P	17 04 46.4 -2.4
WHY	Whitehorse	93.85	24	P	P	17 04 47.4 -0.8
COLD	Coldfoot	93.86	15	P	P	17 04 48.8 +0.9
PSUT	Pine Spring	93.87	50	I	Amb	17 04 58.2
X16A	Lo Mia Camp, P	93.95	55	I	Amb	17 04 59.0
E21K	Killik River	94.01	13	I	Amb	17 04 55.9
SZCU	Shurtz Canyon	94.03	51	P	P	17 04 48.1 -1.6
SZCU	Shurtz Canyon	94.03	51	P	P	17 04 59.4
N31M	Bræburn, Yuko	94.05	23	P	P	17 04 47.8 -1.1
G24K	Hadweencin Riv	94.12	16	P	P	17 04 49.6 +0.5
U15A	North Rim	94.13	52	I	Amb	17 04 60.0
MOY	Mondy	94.20	325	eP	Pmax	17 04 57.2 +7.2
I26K	Coal Creek Min	94.25	18	I	Amb	17 04 57.3
L29M	L29M	94.29	21	I	Amb	17 04 57.5
L29M	L29M	94.29	21	P	P	17 04 49.6 -0.5
M30M	Minto, Yukon	94.39	22	P	P	17 04 48.4 -2.2
M30M	Minto, Yukon	94.39	22	P	P	17 04 57.8
M30M	Minto, Yukon	94.39	22	P	P	17 04 50.2 -0.3
319A	Douglas	94.43	58	I	Amb	17 05 01.0
WU4Z	Wupatki	94.44	54	I	Amb	17 05 01.0
WU4Z	Wupatki	94.44	54	P	P	17 04 50.5 -1.1
C21K	Knifeflade Rid	94.44	12	P	P	17 04 51.3 +0.7
DLBC	Desha Lake	94.46	27	P	P	17 04 50.3 -0.7
EGAK	Eagle	94.46	19	I	Amb	17 04 58.0
EGAK	Eagle	94.46	19	P	P	17 04 50.8 0.0
DAWY	Dawson	94.52	20	P	P	17 04 48.6 -2.5
DAWY	Dawson	94.52	20	P	P	17 04 50.7 -0.4
R33M	Jennings River	94.63	26	P	P	17 04 50.4 -1.4
R33M	Jennings River	94.63	26	I	Amb	17 05 00.7
R33M	Jennings River	94.63	26	P	P	17 04 50.7 -1.1
F24K	Squaw Lake	94.64	15	P	P	17 04 50.9 -0.7
E23K	Chandalar	94.66	14	P	P	17 04 51.0 -0.7
B10K	Meadow River	94.72	11	P	P	17 04 52.6 +0.8
F20A	Beach Ranch, E	94.83	42	I	Amb	17 05 00.4
N32M	Quiet Lake	94.84	24	P	P	17 04 52.5 -0.2
MTPU	Mount Pierson	94.86	51	P	P	17 04 51.3 -2.4
I27K	Kandik River	94.91	18	P	P	17 04 53.5 +0.6
K29M	Barlow Dome	94.98	21	P	P	17 04 52.3 -1.0
M31M	Drury Creek, Y	95.01	23	P	P	17 04 52.3 -1.1
TOLK	Toolik Lake Re	95.13	14	P	P	17 04 53.3 -0.5
X18A	Snowlflake	95.15	55	I	Amb	17 05 04.1
D23K	Nanushuk River	95.14	14	P	P	17 04 52.6 -1.2
F25K	Christian River	95.26	16	P	P	17 04 53.9 -0.6
G26K	Porcupine Rive	95.27	17	P	P	17 04 54.0 -0.4
DUG	Dugway, Tooele	95.29	49	P	P	17 05 03.9 -1.4
I28M	Miner Creek	95.30	19	I	Amb	17 05 01.7
FARO	Faro, Yukon	95.41	23	P	P	17 04 54.3 -0.9
HLID	Hailey	95.58	45	P	P	17 04 55.2 -1.5
E25K	Arctic Village	95.68	16	P	P	17 04 56.0 -0.3
I29M	Ogilvie Camp,	95.75	20	I	Amb	17 05 03.5
I29M	Ogilvie Camp,	95.75	20	P	P	17 04 55.8 -0.8
G27K	Doyon Strip	95.76	18	P	P	17 04 55.6 -1.0
HVU	Hansel Valley	95.96	47	I	Amb	17 05 08.1
121A	Cookes Peak, D	96.04	58	P	P	17 04 57.0 -2.0
TMUT	Trail Mountain	96.06	50	P	P	17 04 59.4 +0.3
I30M	Mount Dempster	96.26	20	I	Amb	17 05 06.0
H29M	Whitestone	96.30	19	I	Amb	17 05 06.5
E27K	Coleen River	96.75	17	P	P	17 04 59.8 -1.3
E27K	Coleen River	96.75	17	P	P	17 05 00.6 -0.6
F28M	Old Crow	96.82	17	P	P	17 05 00.2 -1.2
EPYK	Eagle Plains	96.91	19	I	Amb	17 05 09.1
EPYK	Eagle Plains	96.91	19	P	P	17 05 00.7 -1.1
TIXI	Tik	97.26	348	I	P	17 05 03.0 -0.3
G30M	Aoah Zraii Nji	97.45	19	P	P	17 05 02.7 -1.7
E28M	Babbage River	97.59	17	I	Amb	17 05 12.6
E28M	Babbage River	97.59	17	P	P	17 05 03.2 -1.7
425A	Indio Mountain	97.63	60	P	P	17 05 04.3 -1.9
425A	Indio Mountain	97.63	60	I	Amb	17 05 14.5
D27M	Malcolm River	97.66	16	I	Amb	1

2d 17h

Table with columns: Call Sign, Name, Az, El, P, S, R, Az, El, P, S, R. Includes stations like K24K Donnelly Dome, I23K Minto, Yulon-K, F20K Avarart Lake, W13A Hualapai Mount, etc.

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Table with columns: Call Sign, Name, Az, El, P, S, R, Az, El, P, S, R. Includes stations like SUMG Summit, ARCES ARCES Array B, FINES FINESS Array B, AKASG Malin Array B, etc.

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Table with columns: Call Sign, Name, Az, El, P, S, R, Az, El, P, S, R. Includes stations like WET Wetzell, ARSA Arzbee, KASTN Kahler Asten, NOA NORSA Array B, etc.

Technical notes and coordinates:
IDC 02:17:02.12.0.0.4, 1.26S, 120.52E, h0km, mb4.7/28,
mbtm4.7/30, ML5.2/2, MS4.2/10, Error ellipse:
s-maj=16.7km, s-min=9.4km, az=75.0
MOS 02:17:02.12.7.0.9, 1.17S, 120.57E, h10km, mb5.1/58, Error
ellipse: s-maj=10.4km, s-min=4.6km, az=118.1
NEIC 02:17:02.15.3.2.5, 1.24S, 0.50E, 120.52E, 0.05, h10km, 1km,
mb5.1/122, Error ellipse: s-maj=9.4km, s-min=7.5km,
az=133.0
CGMT 02:17:02.15.3.0.3, 1.29S, 0.02, 120.23E, 0.04, h15km, 1km,
M14.9/78, Moment Tensor Solution, s22,c25, s78,c30
MRSI Duration: 0, Moment tensor: Scale 1016Nm, M1=2.02E, 16;
M2=1.96E, 10; M3=0.05E, 12; M4=0.39E, 19; M5=0.29E, 09;
M6=2.65E, 39; Best double couple: M3 103000*1016
NP1=145.000000*, 872.000000*, -65.000000*. NP2:
0.26800000*, 830.000000*, -143.000000*. Principal axes:
T 2.3750, Plg23.0000*, Azm216.0000*; N 1.4550,
Plg24.0000*, Azm317.0000*; P -3.8310, Plg56.0000*,
Azm87.0000*; nsta1 refers to body waves, cutoff=40s,
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function
DJA 02:17:02.19.0.0.3, 1.52S, 121.11E, h34km, mb4.5/52,
M15.5/25, 2/2, M15.5/21, ML4.5/24, MW4.8/29, Mw(m5)5.0/21
ISC 02:17:02.15.3.2.5, 1.24S, 0.50E, 120.48E, 0.04, h14km, 3km,
n518, t1967/533, mb5.1/149, MS4.1/16, 13C-10D, Sulawesi
Code Station Name Az Az' Phase ID Time Res
MPSI Mapaga 1.75 341 P Pn 17 02 43.6 +2.1
ITSI Tana Toraja 1.83 201 P Pn 17 02 47.4 +0.5
BSE Bai Bau 2.21 39 P Pn 17 02 51.9 +1.6
LWU Luwuk 2.31 83 Pn Pn 17 02 53.0 -0.4
LWU Luwuk 2.31 83 P Pn 17 02 55.9 -1.4
LWU Luwuk 2.31 83 Pn Pn 17 02 53.8 +0.3
LWU Luwuk 2.44 7 Pn Pn 17 02 55.3 +0.1
TOL2 Tolitoli 2.44 7 Pn Pn 17 02 56.2 +1.0
GTOL Gorontalo 3.19 53 Pn Pn 17 02 56.3 +0.7
BKB Balikpapan 3.58 271 Pn Pn 17 03 11.9 +1.0
BKB Balikpapan 3.58 271 Pn Pn 17 03 12.6 +1.7
BKB Balikpapan 3.58 271 Pn Pn 17 03 11.9 +1.0
KAPI Kappang 3.74 191 Pn Pn 17 03 14.6 +1.5
KAPI Kappang 3.74 191 Pn Pn 17 03 15.3 +2.2
KAPI Kappang 3.74 191 Pn Pn 17 03 14.8 +1.7
KAPI 80nm, 0.3s, baz=343, slow=8.8, SNR=8.5 Sn 17 03 58.9 +1.9
KAPI 130nm, 0.3s, baz=96, slow=17, SNR=2.4 LR 17 05 02.3
KAPI comp=2.5m, 1.8s, 0.5s, baz=349, slow=44, 531nm, 0.4s
KMSI Cibinong 3.98 62 P Pn 17 03 19.1 +2.7
BKSI Bukumba 3.99 62 P Pn 17 03 17.1 +0.5
BAU Bau Bau 4.64 153 P Pn 17 03 32.1 +1.4
SANI Sanana 5.56 98 P Pn 17 03 39.3 +1.2
SANI Sanana 5.56 98 P Pn 17 03 36.6 -1.5
MTKI Muara Tewe, K 5.59 274 P Pn 17 03 39.0 +0.4

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BBKI, MYLDM, NLAJ, LBMI, SGSI, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like GSI, Gunungsitoli, WRO, KCSI, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like QLP, BBOO, WHYH, etc.

147	Granite Mounta	87.81	28	P	P	17 15 04.0	-0.4
J18K	Innoko River	87.95	26	P	Iamb	17 15 03.5	-1.6
J18K	comp=Z,3.8nm,0.6s					17 15 04.4	
J18K	Innoko River	87.95	26	P	P	17 15 03.9	-1.2
N18K	Kilae Creek	88.02	29	P	P	17 15 04.1	-1.4
G19K	Purcell Mounta	88.13	24	P	P	17 15 05.2	-0.7
M18K	Stony River	88.14	28	P	P	17 15 05.0	-0.9
TTA	Tatalina	88.20	27	P	P	17 15 05.1	-1.3
SVW2	Sparrevohn	88.21	29	P	P	17 15 05.4	-1.0
O18K	Koktuh Hills	88.27	30	P	P	17 15 07.0	+0.3
BRTR	Keakin Array B	88.40	310	P	P	17 15 05.7	-2.2
BRTR	Keakin Array B	88.40	310	P	P	17 15 05.5	-2.4
J19K	Pooman	88.50	26	P	P	17 15 06.6	-1.0
SII	Sitkinak Islan	88.52	34	P	P	17 15 08.0	+0.1
QSPA	South Pole Qui	88.62	180	P	P	17 15 07.5	-0.8
QSPA	comp=Z,2.8nm,1.1s,baz=280,slow=1.7,SNR=20					17 15 07.2	-1.2
QSPA	comp=Z,2.8nm,1.1s,baz=318,slow=35					17 54 30.5	
N19K	Bonanza Creek	88.72	29	P	P	17 15 07.8	-1.1
M19K	Big River Lodg	88.85	28	P	P	17 15 07.8	-0.7
K20K	Teilda	89.12	27	P	P	17 15 09.9	-0.8
L20K	Farwell, AK	89.14	28	P	P	17 15 10.0	-0.8
M20K	Styx River	89.45	28	P	Iamb	17 15 11.2	-1.1
M20K	Styx River	89.45	28	P	P	17 15 11.4	-0.9
KDAK	Kodiak Island	89.47	32	P	P	17 15 11.3	-1.0
CAST	Castle Rocks	90.02	27	P	P	17 15 13.4	-1.4
CAST	Castle Rocks	90.02	27	P	P	17 15 14.1	-0.8
SKT	Skvewna	90.21	28	P	P	17 15 13.2	-2.6
BRSE	Bradley Lake S	90.52	30	P	P	17 15 15.5	-1.7
SUA	Susitna One	90.56	29	P	P	17 15 15.4	-2.2
SUA	Susitna One	90.56	29	P	P	17 15 15.6	-1.9
G23K	Bananza Creek	91.00	23	P	P	17 15 18.6	-0.8
SEW	Seward	91.17	30	P	P	17 15 18.4	-1.8
H23K	Yukon River	91.19	24	P	P	17 15 19.2	-1.0
I23K	Minto, Yukon-K	91.26	25	P	Iamb	17 15 18.9	-1.6
I23K	comp=Z,2.5nm,1.9s					17 15 19.5	-1.0
I23K	Minto, Yukon-K	91.26	25	P	P	17 15 19.5	-1.0
MCK	NickKinley	91.44	26	P	P	17 15 19.4	-2.1
KNK	Knik Glacier	91.66	29	P	P	17 15 21.0	-1.5
KNK	Knik Glacier	91.66	29	P	P	17 15 21.4	-1.2
SML	Sawmill	91.72	28	P	Iamb	17 15 20.7	-2.1
SML	comp=Z,7.1nm,0.8s					17 15 22.4	
SML	Sawmill	91.72	28	P	P	17 15 21.1	-1.7
PWL	Port Wells	91.73	29	P	Iamb	17 15 20.9	-2.0
PWL	comp=Z,1.3nm,1.3s					17 15 20.8	-2.0
PWL	Port Wells	91.73	29	P	P	17 15 20.8	-2.0
AKASG	Malin Array Be	91.81	320	P	P	17 15 21.1	-2.2
M23K	Glacier View	92.01	28	P	P	17 15 22.5	-1.6
ILAR	Eielson Array	92.31	25	P	P	17 15 22.6	-2.9
M24K	Tolsona, Glenn	92.73	28	P	P	17 15 26.5	-1.0
KLU	Klutina	92.88	29	P	Iamb	17 15 26.4	-1.9
KLU	comp=Z,2.1nm,1.9s					17 16 27.3	
KLU	Klutina	92.88	29	P	P	17 15 27.0	-1.2
J25K	Salcha River,	92.97	26	P	P	17 15 26.3	-2.3
ARCES	ARCES Array B	92.97	339	LR	LR	18 03 37.3	
PAX	Paxson	93.02	27	P	P	17 15 27.5	-1.4
NACGM	Naroch	93.20	325	eP	P	17 15 32.7	+3.0
FINES	FINES Array B	93.25	331	P	P	17 15 30.0	+0.1
FINES	FINES Array B	93.25	331	P	P	17 15 30.0	+0.1
G26K	Porcupine Rive	93.46	23	P	P	17 15 30.0	-0.6
I26K	Coal Creek Min	93.86	25	P	P	17 15 31.1	-1.4
BOSA	Boshof	93.96	241	LR	LR	17 53 17.0	
SPITS	Spitsbergen Ar	94.17	348	LR	LR	18 01 52.8	
E27K	Coleen River	94.17	22	P	P	17 15 32.8	-1.2
WAX	Waxell Ridge	94.44	30	P	Iamb	17 15 34.4	-1.0
WAX	comp=Z,8.2nm,0.7s					17 15 35.3	
I27K	Kandik River	94.47	24	P	P	17 15 34.8	-0.6
L27K	Beaver Creek,	94.67	27	P	P	17 15 35.9	-0.4
BCAR	Beaver Creek A	94.69	27	P	P	17 15 35.5	-0.9
E28M	Babbage River	94.87	21	P	P	17 15 35.9	-1.3
MESA	MESA	94.92	30	P	P	17 15 37.6	-0.1
BARN	Barnard Glacie	94.96	29	P	Iamb	17 15 37.2	-0.7
BARF	comp=Z,7.0nm,0.7s					17 15 38.4	
CTG	Chitna Glacier	95.13	29	P	P	17 15 38.2	-0.5
I28M	Miner Creek	95.19	24	P	P	17 15 38.0	-0.8
YUK3	Moose Creek	95.45	28	P	P	17 15 39.1	-1.1
DAWY	Dawson	95.62	26	P	P	17 15 39.5	-1.3
H29M	Whitestone	95.70	24	P	P	17 15 39.7	-1.3
M29M	Somme Creek	96.28	27	P	P	17 15 43.1	-0.7
L29M	L29M	96.33	27	Iamb	Iamb	17 19 35.5	
L29M	L29M	96.33	27	P	P	17 15 43.5	-0.5
K29M	Barlow Dome	96.47	26	P	P	17 15 43.7	-1.0
HYT	Haines Junctio	97.01	29	P	P	17 15 47.0	-0.2
N30M	Aishkik Lake	97.09	28	P	P	17 15 47.1	-0.4
P29M	Windy Craggy	97.09	30	P	P	17 15 47.4	-0.1
SUR	Sutherland	97.46	237	LR	LR	17 56 05.8	
EGMT	Eagleton	116.51	35	P	PKPdf	17 20 58.5	-1.2
GMRC	Granite Mounta	118.13	51	P	PKIkp	17 21 03.6	+0.4
TORD	Tordi Ar. Bea	118.30	246	PKP	PKPdf	17 21 01.0	-2.8
PDAR	Pinedale Array	119.23	40	PKP	PKPdf	17 21 02.6	-2.6

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PDAR	comp=Z,0.6nm,0.8s,baz=101,slow=5.3,SNR=5.6	PKKpbc	PKKpbc	17 31 19.8	+0.4		
SCHO	Schefferville	126.33	5	PKP	PKPdf	17 21 16.2	-2.0
TXAR	Lajitas Array	129.61	52	PKP	PKPdf	17 21 23.8	-1.6
S39A	Bolivar	132.30	37	PKPdf	PKPdf	17 21 28.9	-1.1
VA03	San Esteban	144.53	164	PKP	PKPbc	17 21 51.6	+0.3
MT03	Montecristo	147.78	65	PKPbc	PKPbc	17 22 00.5	-1.2
CPUP	Villa Florida	152.43	184	PKPbc	PKPbc	17 22 11.8	-0.6
BDFB	Brasilia	159.67	214	PKP	PKPdf	17 22 14.5	-1.0
BDFB	comp=Z,2.2nm,0.8s,baz=135,slow=5.7,SNR=4.0					17 22 53.8	+0.1
LPAZ	La Paz	160.55	154	PKP	PKPdf	17 22 16.9	-0.2
LPAZ	comp=Z,5.8nm,1.1s,baz=32,slow=1.4,SNR=7.7					17 22 58.4	+0.2
NOU 02	17:07:22.0,22'28S:169°31'E,h0km,MLv4.6/7,Southeast of Loyalty Islands						
IDC 02	17:07:29.9,1.1,21'85S:169°01'E,h0km,mb3.8/6,mbtmp3.8/7,ML3.6/1,Error ellipse: s-maj=41.9km s-min=22.4km az=163.0						
ISC 02	17:07:34.8,1.0,22'15S:0.1x169.0E:0.1,h35km,n14,e1514/15,mb3.8/6,Southeast of Loyalty Islands						
Code	Station Name	Δ° AZ°	Op	Phase ID	ISC	Time	Res
YATNC	Mamie plateau,	2.00 269	P	Pn	h m s ISC	17 08 05.5	-0.6
LIFNC	LIFOU	2.10 307	P	Pn	h m s ISC	17 08 09.6	+2.1
DZM	Mont Dzumac	2.41 269	Pn	Pn	h m s ISC	17 08 11.4	-0.4
DZM	15nm,0.3s,baz=143,slow=6.2,SNR=6.7						
DZM	19nm,0.3s,baz=115,slow=18,SNR=9.2						
ONTNC	Ouen Toro	2.41 263	P	Pn	h m s ISC	17 08 13.1	+1.3
NOUC	Port Laguerre	2.54 288	P	Pn	h m s ISC	17 08 14.7	+1.1
KOUNC	Koumac, New Ca	4.68 288	P	Pn	h m s ISC	17 08 42.8	-0.2
ASAR	Alice Springs	32.37 260	P	P	h m s ISC	17 14 01.6	+0.2
WRA	Warrungarra Arr	32.43 267	P	P	h m s ISC	17 14 00.6	-1.2
QSPA	South Pole Qui	68.02 180	P	P	h m s ISC	17 18 32.3	+1.8
QSPA	comp=Z,3.5nm,0.6s,baz=358,slow=7.1,SNR=3.2						
SOMNI	Somgino Array	89.35 323	P	P	h m s ISC	17 20 27.5	-0.2
NVAR	Mina Array Bea	90.79 49	P	P	h m s ISC	17 20 34.5	-0.3
ILAR	Eielson Array	92.95 17	P	P	h m s ISC	17 20 43.7	-0.2
EKA	Eskdalemuir Ar	146.25 352	PKPbc	PKPbc	h m s ISC	17 27 10.0	-1.4
GERES	GERES Array B	146.84 330	PKPbc	PKPbc	h m s ISC	17 27 13.7	-1.0
GEN 02	17:08:22.6,44'33N:107°5'E,h22km,1km,ML1.6						
ROM 02	17:08:23.6,0.1,44'31N:0.007x107°26'E:0.007,h19km,n15,ML2.0/50,2C-1D,Error ellipse: s-maj=0.8km s-min=0.2km az=187.0,Northern Italy						
GUSCL	Gusciola	0.10 288	P	Pg	h m s ISC	17 08 27.1	-0.3
GUSCL	Gusciola	0.10 288	P	Pg	h m s ISC	17 08 27.2	-0.3
GUSCL	comp=E,1072μm,0.3s					17 08 30.0	0.0
ZCCA	Zocca	0.18 80	P	Pg	h m s ISC	17 08 28.8	+0.3
ZCCA	Zocca	0.18 80	P	Pg	h m s ISC	17 08 33.5	+1.8
ZCCA	comp=E,838μm,0.5s					17 08 28.8	+0.3
ZCCA	comp=N,1009μm,0.4s					17 08 33.5	+1.8
ZCCA	comp=N,1070μm,0.4s					17 08 28.8	+0.3
ZCCA	comp=N,1008μm,0.4s					17 08 33.5	+1.8
ZCCA	comp=N,1008μm,0.4s					17 08 28.8	+0.3
ZCCA	comp=N,1070μm,1.6s					17 08 33.5	+1.8
ZCCA	comp=E,838μm,1.5s					17 08 28.8	+0.3
SARO	Sassorosso	0.27 240	P	Pg	h m s ISC	17 08 29.7	0.0
SARO	Sassorosso	0.27 240	P	Pg	h m s ISC	17 08 34.3	+0.3
SARO	Sassorosso	0.27 240	P	Pg	h m s ISC	17 08 29.6	-0.1
SARO	comp=E,566μm,0.6s					17 08 34.5	+0.5
SARO	comp=N,524μm,0.7s					17 08 29.7	0.0
SARO	comp=E,567μm,1.6s					17 08 29.7	0.0
SARO	comp=N,567μm,0.4s					17 08 29.7	0.0
SARO	comp=N,524μm,0.7s					17 08 29.7	-0.1
BDI	Bagni Di Lucca	0.27 200	P	Pg	h m s ISC	17 08 29.7	-0.1
BDI	Bagni Di Lucca	0.27 200	P	Pg	h m s ISC	17 08 29.7	-0.1
BDI	comp=E,412μm,0.6s					17 08 34.7	+0.7
BDI	comp=N,452μm,0.4s					17 08 29.7	-0.1
BDI	comp=N,452μm,1.6s					17 08 29.7	-0.1
BDI	comp=E,163μm,0.6s					17 08 29.7	-0.1
BDI	comp=N,452μm,1.6s					17 08 29.7	-0.1
BDI	comp=E,412μm,1.4s					17 08 29.7	-0.1
BDI	comp=N,167μm,1.2s					17 08 29.7	-0.1
POPMP	Popiglio	0.28 175	P	Pg	h m s ISC	17 08 29.7	0.0
POPMP	Popiglio	0.28 175	P	Pg	h m s ISC	17 08 35.0	+1.0
POPMP	Popiglio	0.28 175	P	Pg	h m s ISC	17 08 29.7	0.0
POPMP	Popiglio	0.28 175	P	Pg	h m s ISC	17 08 35.1	+1.0
POPMP	comp=N,617μm,0.2s					17 08 30.2	0.0
VLC	Villacollemand	0.29 237	P	Pb	h m s ISC	17 08 34.9	+0.2
VLC	Villacollemand	0.29 237	P	Pb	h m s ISC	17 08 35.0	+0.4
VLC	comp=E,212μm,0.9s					17 08 35.0	+0.4
VLC	comp=N,166μm,0.5s					17 08 35.0	+0.4
VLC	comp=N,168μm,0.9s					17 08 35.0	+0.4
VLC	comp=N,167μm,0.5s					17 08 35.0	+0.4
FNVD	Fontana Vidola	0.32 118	P	Pg	h m s ISC	17 08 30.2	-0.4
CARD	Cardoso	0.34 211	P	Pg	h m s ISC	17 08 30.9	0.0
CARD	Cardoso	0.34 211	P	Pg	h m s ISC	17 08 36.7	+0.4
CARD	Cardoso	0.34 211	P	Pg	h m s ISC	17 08 30.7	-0.2
CARD	comp=E,262μm,0.1s					17 08 36.7	+0.5
CARD	comp=N,414μm,0.8						

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MBWA Marble Bar, NWAO Narrogin (SRO), TOLLJ Tolliday, VANDA Vanda, etc.

IDC 02 17:12:08.2,2.3,1.785x178.87W,h0km,mb3.6/2, mbmp3.6/3, Error ellipse: s-maj=65.2km s-min=42.1km az=43.0

WEL 02 17:13:10.6:1.4,38.8'S,9.176'E,1.1,h258km,12km, M3.07,MLV3.07, Error ellipse: s-maj=0.0km s-min=0.0km az=92.3,confirmed

ISC 02 17:13:05.5:1.1,37.99S,0.07x176.04E,0.08,h300km,n37, r15240,North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OPRZ Ohinepanea, TOZ Tahuroa Road, TLZ Tolley Road, etc.

IDC 02 17:17:31.1,3.3,13.163x166.91E,h213km,29km,mb3.1/6, mbmp3.9/8, Error ellipse: s-maj=30.1km s-min=24.0km az=66.0

ISC 02 17:17:29.9:1.3,13.2S,0.1x167.0E,0.2,h200km,n8, r1526/8,mb3.3/6, Vanuatu Islands

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

IDC 02 17:28:35.8:1.0,21.90S,169.08E,h0km,mb3.9/10, mbmp3.9/11,ML3.7/1,MS4.0/1, Error ellipse: s-maj=33.4km s-min=20.5km az=161.0

ISC 02 17:28:40.8:0.8,21.9S,0.2x169.0E,0.1,h31km,n31, r1519/32,mb3.9/10,1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SONM Songoiro Array, NVAR Mina Array, ILAR Eielson Array, etc.

NOU 02 17:31:35.4,2.191S,169.18E,h0km,MLV4.3/6, Southeast of Loyalty Islands

IDC 02 17:31:36.4:1.1,21.90S,169.03E,h0km,mb4.0/7, mbmp4.0/8,ML3.8/11,MS3.8/4, Error ellipse: s-maj=37.3km

ISC 02 17:31:42.2:0.8,21.9S,0.1x168.86E,0.09,h31km,n24, r1537/22,mb3.9/7,MS3.7/3, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, PINZ Pines Island, DZM Dzumac, etc.

IDC 02 17:35:34.8:2.9,23.68N,93.85E,h70km,34km,mb3.2/6, mbmp3.5/8,ML3.5/2, Error ellipse: s-maj=25.0km s-min=16.6km az=63.0

ISC 02 17:35:35.0:1.0,22.7N,0.0x93.81E,0.08,h73km,n8, r0564/G,mb3.3/6, Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BRDH Bariadhala, CMAR Chiang Mai, MKAR Makanchi Array, etc.

GUC 02 17:40:04.6:0.7,24.19S,67.43W,h210km,10km,ML4.3 VAO 02 17:40:04.1:0.5,24.12S,67.46W,h10km,mb4.0

ISC 02 17:40:03.0:0.6,24.22S,67.04E,0.04,67.25W,0.05,h189km,7km, n102,r132/137,3C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AF01 San Pedro de A, LVC Limon Verde, FSA Cafayete, etc.

2d 18h

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, NVAR Mina Array, BVAR Borovoye Array, etc.

NCEDC 02 17:58:17.5-2.0, 38.05N-0.03-118.80W:0.04, h1km, 7km, ML2.97, ML3.0/6(NCIC), Mw3.4(REN), Error ellipse: s-maj=2.2km s-min=0.9km az=206.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like HCK Huntton Valley, ANTC Antelope Range, MGNR McGee Canyon, etc.

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Table with columns: TIN, Tinemaha, Big, 1.10 156 S, Sb, 17 58 53.5 0.0, etc. Includes stations like KVN Kaiserville, KVP Montezuma Peak, PNTR Pine Nut, etc.

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Table with columns: YATNC Mamie plateau, 1.97 262 P, Pn, 18 01 06.0 -0.8, etc. Includes stations like OUENC Owen Island, N, 2.09 252 P, Pn, etc.

UPP 02 18:02:38.4-0.1, 67.08N-20.94E, h0km, ML2.1, Suspected explosion
IDC 02 18:02:39.1-0.9, 67.09N-21.17E, h0km, mbtmp3.1/4, ML1.9/4, Error ellipse: s-maj=15.9km s-min=6.4km az=115.0

HEL 02 18:02:39.7-0.2, 67.10N-21.09E, h0km, ML2.1, Explosion
ISC 02 18:02:38.2-0.7, 67.08N-20.97E:0.03, h0km, n44, #123/62, Sweden

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like DUNU Dundret, MASU Masugnbyn, ERTU Ertjaerv, etc.

Table with columns: KIF, Kilpisjärvi, 1.94 358 eP, Pb, 18 03 14.0 -0.4, etc. Includes stations like Kilpisjärvi, Rovaniemi, Sodankyl, BURU, OBFO, ARAO, ARCES, OUF, UMAU, JMAU, VRF, OLKF, MSF, KEV, KU6, HUSU, YAF, HEMU, NIF, RMF, FINES, NOA, HFS, and HFS.

PRU 02 18:04:11.1, 42:37N:12:90E, h0km, M4.0
ROM 02 18:04:14.8, 0.0, 42:55N:0:00:13:138E:0:004,
h9km, ML3.7/226, Mw3.5, Error ellipse: s-maj=0.2km
s-min=0.2km az=88.0, Moment Tensor Solution. Moment
tensor: Scale 10^14Nm, Mrr=1.2; Mtt=1.86; Mss=0.24;
Mtr=0.31; Mts=0.69; Mst=0.36; Fault plane solution:
M2 16035x10^14 NPl 3.5-59.00000; 3.44.00000;
1.73.00000. NP2: 261.00000; 848.00000; 1.105.00000.
IDC 02 18:04:14.7, 1.0, 42:56N:13:04E, h0km, mb3.8/8,
mbtmp3.7/15, ML3.2/7, Error ellipse: s-maj=21.9km
s-min=16.6km az=141.0
PDG 02 18:04:15.6, 0.3, 42:68N:13:16E, h9km, 1km, ML3.8/12,
Error ellipse: s-maj=0.6km s-min=0.4km az=90.0
LDG 02 18:04:15.8, 0.1, 42:66N:13:14E, h10km, ML3.4/5, Error
ellipse: s-maj=9999.9km s-min=9999.9km az=99.0
MOS 02 18:04:15.0, 1.2, 42:69N:13:07E, h17km, mb4.1/12, Error
ellipse: s-maj=6.8km s-min=4.8km az=91.0
NEIC 02 18:04:16.5, 2.2, 42:73N:0:05:13:14E:0:08, h10km, 1km,
mb4.0/7, Error ellipse: s-maj=10.5km s-min=7.5km
az=230.0
BEO 02 18:04:19.6, 1.4, 42:75N:13:45E, h0km, ML3.6/8
ISC 02 18:04:15.7, 0.7, 42:65N:0:01:13:12E:0:02, h9km, 4km,
n397, r1s21/434, mb3.9/20, 26C-52D, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Leonessa, Arquata del Tr, Pellescritta, RM33, SAN MARTINO, Gavelli, NORCIA, MTR A, and MTR A.

Main table with columns: MTR A, comp=N, 73300um, 0.5s, AML, AML, etc. Lists various stations and their parameters.

Table with columns: MOMA, comp=N, 11800um, 0.9s, AML, AML, etc. Lists stations like GUMA, MOMA, CESP, OFFI, FAGN, SEF1, ASSB, MDAR, SRES, SNTG, AVT-Casa Cast, T0110, PTQR, EL6, MTCE, FOSV, CERT, CING, MURB, CIMA, ATTE, NGAB, and MGAB.

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RCAV	Rocca di Cave	0.81 189	↑P	Pg	18 04 30.4	-0.9
RCAV	comp=N,5505µm,1.0s		AML	AML		
RCAV	comp=N,5505µm,1.0s		AML	AML		
PP3	Marolino	0.81 26	P	Pg	18 04 31.3	-0.1
PP3	comp=E,5295µm,1.3s		AML	AML		
PP3	comp=N,24900µm,0.5s		AML	AML		
PP3	comp=E,17350µm,0.6s		AML	AML		
PP3	comp=N,24900µm,0.5s		AML	AML		
PP3	comp=N,28800µm,0.5s		AML	AML		
ATFO	Monte Foce - G	0.82 331	↓P	Pg	18 04 30.6	-0.9
ATFO	comp=N,5215µm,0.7s		AML	AML		
ATFO	comp=E,5765µm,1.1s		AML	AML		
SSFR	Montelago di S	0.83 343	P	Pg	18 04 30.4	-1.2
SSFR	comp=E,3200µm,1.4s		AML	AML		
SSFR	comp=N,3970µm,0.9s		AML	AML		
SSFR	comp=N,3970µm,1.1s		AML	AML		
SSFR	comp=E,3095µm,1.0s		AML	AML		
SSFR	comp=N,3810µm,0.7s		AML	AML		
ARVD	Arcevia	0.86 351	↓P	Pg	18 04 31.1	-1.1
ARVD	comp=N,4095µm,1.0s		AML	AML		
ARVD	comp=N,2555µm,0.9s		AML	AML		
VVLD	Villa Valtelon	0.86 154	P	Pg	18 04 31.7	-0.5
INTR	Introdacqua	0.86 137	Pg	Pg	18 04 30.8	-1.5
INTR	comp=E,3µm,0.8s		AML	AML		
INTR	comp=N,6µm,0.8s		AML	AML		
INTR	comp=E,3455µm,0.8s		AML	AML		
INTR	comp=N,9140µm,0.8s		AML	AML		
INTR	comp=N,6µm,0.8s		AML	AML		
INTR	comp=E,4µm,0.9s		AML	AML		
GUAR	Guarcino	0.86 170	P	Pg	18 04 31.3	-1.0
ATVO	AVT- Monte Val	0.90 325	P	Pg	18 04 32.1	-0.9
ATVO	comp=E,3585µm,0.9s		AML	AML		
ATVO	comp=N,2890µm,0.7s		AML	AML		
ATVO	comp=N,2890µm,1.3s		AML	AML		
ATVO	comp=N,2430µm,0.9s		AML	AML		
SACS	San Casciano d	0.91 283	↑P	Pg	18 04 33.0	-0.2
SACS	comp=N,4590µm,1.0s		AML	AML		
SACS	comp=E,3835µm,0.9s		AML	AML		
SACS	comp=N,4480µm,0.9s		AML	AML		
SACS	comp=N,4590µm,1.0s		AML	AML		
SACS	comp=N,4480µm,1.1s		AML	AML		
SACS	comp=N,3830µm,0.9s		AML	AML		
FRON	Frontone	0.92 342	↓P	Pg	18 04 31.9	-1.4
FRON	comp=E,3055µm,0.8s		AML	AML		
FRON	comp=N,3770µm,0.7s		AML	AML		
FRON	comp=N,3770µm,1.3s		AML	AML		
FRON	comp=E,3055µm,1.2s		AML	AML		
ATMI	Monte Miggiano	0.93 318	P	Pg	18 04 33.4	-0.1
ATMI	comp=E,10500µm,1.1s		AML	AML		
ATMI	comp=N,6650µm,0.9s		AML	AML		
ATMI	comp=E,10500µm,0.9s		AML	AML		
VIVA	Pratoni del Vi	0.93 196	P	Pb	18 04 34.4	+0.3
RDP	Rocca di Papa	0.94 199	P	Pg	18 04 33.2	-0.5
MA9	Marino	0.94 201	P	Pb	18 04 34.0	-0.2
ATPI	Pietralunga -	0.96 327	↓P	Pg	18 04 33.0	-1.1
ATPI	comp=E,6335µm,0.8s		AML	AML		
ATPI	comp=N,3045µm,1.1s		AML	AML		
ATPI	comp=E,6335µm,1.2s		AML	AML		
AOI	Ancona	0.97 21	P	Pg	18 04 33.5	-0.8
PIEI	Pieia	0.99 334	P	Pg	18 04 33.4	-1.2
PIEI	comp=N,1950µm,0.8s		AML	AML		
PIEI	comp=N,1950µm,1.2s		AML	AML		
PIEI	comp=E,2010µm,1.4s		AML	AML		
LORI	Corinaldo	0.99 355	P	Pg	18 04 34.8	+0.1
LEPEL	Lama del Pelig	0.99 127	P	Pg	18 04 33.1	-1.6
LEPEL	comp=E,3585µm,0.9s		AML	AML		
LEPEL	comp=N,2495µm,1.0s		AML	AML		
LEPEL	comp=E,3585µm,1.1s		AML	AML		
LEPEL	comp=N,2495µm,1.0s		AML	AML		
PCRO	Pietralcroce	1.01 17	P	Pg	18 04 35.2	+0.2
TOLF	Toifa	1.01 235	↑P	Pg	18 04 34.6	-0.5
TOLF	comp=N,2250µm,1.3s		AML	AML		
TOLF	comp=N,2250µm,0.7s		AML	AML		
TOLF	comp=E,3025µm,0.5s		AML	AML		
MPAG	Monte Paganucc	1.02 345	P	Pg	18 04 34.9	-0.3
LAV9	Lanuvio	1.02 198	P	Pg	18 04 36.2	0.0
LAV9	comp=E,10335µm,0.6s		AML	AML		
LAV9	comp=N,10495µm,0.6s		AML	AML		
LAV9	comp=N,7875µm,0.5s		AML	AML		
LAV9	comp=N,7715µm,0.5s		AML	AML		
POFI	Posta Fibreno	1.03 154	P	Pg	18 04 35.0	-0.4
APEC	Apecchio	1.04 331	P	Pg	18 04 35.3	-0.4
LRP	Arpino	1.06 161	P	Pb	18 04 35.7	-0.4
LRP	comp=N,1935µm,0.9s		AML	AML		
LRP	comp=E,3480µm,0.9s		AML	AML		
LRP	comp=N,1935µm,1.1s		AML	AML		
SENI	Senigallia	1.06 4	P	Pg	18 04 36.1	+0.1
SF03	Valle Cupa	1.07 279	P	Pg	18 04 36.4	+0.2
MCIV	Monte Civitell	1.07 278	P	Pg	18 04 35.8	-0.5
MCIV	comp=N,1650µm,1.2s		AML	AML		
MCIV	comp=N,1650µm,0.8s		AML	AML		
MCIV	comp=E,1228µm,0.8s		AML	AML		
BADI	Badiali	1.07 324	P	Pg	18 04 36.1	-0.2
BADI	comp=E,2765µm,1.0s		AML	AML		
BADI	comp=N,3990µm,0.8s		AML	AML		
BADI			AML	AML		

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SF11	Podere del Sol	1.08 282	P	Pg	18 04 36.8	+0.3
CAFI	Castiglione Fio	1.09 309	P	Pg	18 04 36.0	-0.5
CAFI	comp=E,2640µm,0.8s		AML	AML		
CAFI	comp=E,2725µm,0.9s		AML	AML		
CAFI	comp=E,2725µm,1.1s		AML	AML		
CAFI	comp=N,3610µm,0.7s		AML	AML		
CAFI	comp=E,2640µm,1.2s		AML	AML		
CAFI	comp=E,2640µm,1.2s		AML	AML		
SF04	Casetta	1.09 280	P	Pb	18 04 37.1	+0.3
SF04	comp=E,1715µm,1.3s		AML	AML		
SF04	comp=N,1980µm,0.9s		AML	AML		
SF04	comp=N,1980µm,1.1s		AML	AML		
SF04	comp=E,1715µm,0.7s		AML	AML		
GIUL	Giuliano Di Ro	1.09 175	P	Pb	18 04 36.8	0.0
GIUL	comp=N,2100µm,0.9s		AML	AML		
GIUL	comp=N,2395µm,1.0s		AML	AML		
GIUL	comp=E,2100µm,1.1s		AML	AML		
GIUL	comp=N,2395µm,1.0s		AML	AML		
SF14	Selvina	1.11 276	P	Pg	18 04 35.9	-1.1
SF13	Bagnolo	1.12 279	P	Pg	18 04 36.9	-0.2
LATB	Latina	1.16 186	P	Pg	18 04 36.0	-1.9
SF01	Poggio Pratacc	1.16 279	P	Pg	18 04 38.0	+0.1
SSP9	Sansepolcro	1.18 322	P	Pg	18 04 38.3	+0.1
LIK	San Giovanni I	1.19 164	P	Pn	18 04 39.2	+0.7
PARC	Parchiule	1.19 328	↑P	Pg	18 04 37.6	-0.9
PARC	comp=E,3710µm,0.9s		AML	AML		
PARC	comp=N,1885µm,1.2s		AML	AML		
PARC	comp=N,1885µm,0.8s		AML	AML		
PARC	comp=N,3710µm,1.1s		AML	AML		
RN12	Rionero Sannit	1.22 141	P	Pb	18 04 38.8	-0.1
ARCI	Arcidosso	1.23 280	P	Pg	18 04 38.8	-0.4
ARCI	comp=N,924µm,1.1s		AML	AML		
ARCI	comp=E,562µm,1.0s		AML	AML		
ARCI	comp=N,924µm,0.9s		AML	AML		
CERA	Filiignano	1.24 147	↓P	Pg	18 04 38.1	-1.4
CERA	comp=E,3460µm,0.9s		AML	AML		
CERA	comp=N,2335µm,0.9s		AML	AML		
CERA	comp=E,3535µm,0.9s		AML	AML		
CERA	comp=E,3535µm,1.1s		AML	AML		
CERA	comp=N,2430µm,0.9s		AML	AML		
CERA	comp=E,3460µm,1.1s		AML	AML		
MEI	Monte Cassino	1.27 156	P	Pn	18 04 40.4	+0.7
CPGN	Carpena, Ita	1.29 333	P	Pb	18 04 40.7	+0.4
CRE	Caprese Michel	1.29 319	P	Pg	18 04 39.2	-1.3
PESA	Pesaro	1.31 351	P	Pg	18 04 40.3	-0.5
MIDA	Miranda	1.31 140	P	Pg	18 04 39.6	-1.2
MIDA	comp=E,1610µm,0.9s		AML	AML		
MIDA	comp=E,1610µm,1.1s		AML	AML		
MIDA	comp=N,1500µm,0.9s		AML	AML		
RSM	Repubblica di	1.37 339	P	Pn	18 04 41.9	+0.8
RSM	comp=E,2910µm,0.9s		AML	AML		
RSM	comp=N,3495µm,0.9s		AML	AML		
RSM	comp=N,3495µm,1.1s		AML	AML		
RSM	comp=E,2910µm,1.1s		AML	AML		
TRIV	Trivento	1.38 129	P	Pb	18 04 42.6	+0.9
TRIV	comp=N,1860µm,0.9s		AML	AML		
TRIV	comp=N,1965µm,1.2s		AML	AML		
TRIV	comp=E,1865µm,0.9s		AML	AML		
TRIV	comp=N,2045µm,1.2s		AML	AML		
TRIV	comp=E,1865µm,1.1s		AML	AML		
TRIV	comp=N,2045µm,0.8s		AML	AML		
TRIV	comp=N,1965µm,0.8s		AML	AML		
TRIV	comp=E,1860µm,1.1s		AML	AML		
VAGA	Valle Agricola	1.48 146	P	Pg	18 04 44.1	-0.1
MAON	Monte Argentar	1.49 252	P	Pn	18 04 42.3	-0.3
FROS	Frosini	1.55 292	P	Pn	18 04 43.7	+0.2
FROS	comp=N,1110µm,1.1s		AML	AML		
FROS	comp=N,1350µm,1.1s		AML	AML		
FROS	comp=N,1350µm,0.9s		AML	AML		
FROS	comp=E,1110µm,0.9s		AML	AML		
BSSO	Busso	1.55 135	P	Pb	18 04 44.7	0.0
BSSO	comp=N,1115µm,0.9s		AML	AML		
BSSO	comp=N,1170µm,1.4s		AML	AML		
BSSO	comp=E,464µm,0.9s		AML	AML		
BSSO	comp=N,462µm,1.4s		AML	AML		
BSSO	comp=E,1115µm,1.1s		AML	AML		
BSSO	comp=E,464µm,1.1s		AML	AML		
BSSO	comp=N,462µm,0.6s		AML	AML		
BSSO	comp=N,462µm,0.6s		AML	AML		
RIBO	Ribolla Roccas	1.56 282	P	Pn	18 04 43.6	+0.1
SGG	Gregorio Matas	1.57 143	P	Pg	18 04 45.5	-0.3
SGG	comp=N,2.5nm,1.1s		AML	AML		
SGG	comp=E,970µm,0.9s		AML	AML		
SGG	comp=N,906µm,1.0s		AML	AML		
SGG	comp=E,970µm,1.1s		AML			

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like HCY Herceg Novi, OBKA Obir, ABTA Abfaltersbach, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like STU Stuttgart, VRC Vranov, SMF Signal de Mont, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like KK31 Karatay Array, KK31 Karatay Array, KKAR Karatay Array, etc.

PB09	IPOC Station P	1.49	26	eP	Pn	19 01 06.7 +2.2
PB09				eS	Sn	19 01 26.7 +3.7
PB09				IAML		19 01 29.4
comp=Z,6um,0.6s						
PB09	IPOC Station P	1.49	26	iP	Pn	19 01 06.7 +2.2
PB09				eS	Sn	19 01 25.7 +2.8
PB09				IAML		19 01 31.1
comp=N,5um,0.2s						
PB14	IPOC Station P	1.53	196	eP	Pn	19 01 05.5 +0.4
PB14				eS	Sn	19 01 05.8 +0.7
PB14				IAML		19 01 27.7 +2.5
PB14				IAML		19 01 28.1
comp=Z,4um,0.3s						
AF01	San Pedro de A	1.64	84		Pn	19 01 07.6 +1.1
AF01	San Pedro de A	1.64	84	iP	Pn	19 01 08.2 +1.6
PB02	IPOC Station P	1.81	2	eP	Pn	19 01 10.4 +1.6
PB02				IAML		19 01 41.8
comp=Z,5um,0.2s						
PB02	IPOC Station P	1.81	2	iP	Pn	19 01 10.4 +1.6
GO02	Minna Guanaco	2.04	171	eP	Pn	19 01 13.4 +1.5
GO02				eS	Sn	19 01 14.0 +4.5
GO02	Minna Guanaco	2.04	171	iP	Pn	19 01 13.8 +1.9
GO02				eS	Sn	19 01 39.1 +2.7
GO02				IAML		19 01 43.2
comp=E,5um,0.4s						
PB01	IPOC Station P	2.13	12	eP	Pn	19 01 15.2 +2.1
PB01				eS	Sn	19 01 15.2 +2.1
PB01				IAML		19 01 44.7 +6.3
PB01				eS	Sn	19 01 49.0
comp=Z,4um,0.5s						
PB01	IPOC Station P	2.13	12	iP	Pn	19 01 15.2 +2.1
PB01				eS	Sn	19 01 41.0 +2.5
PB01				IAML		19 01 49.3
comp=E,7um,0.2s						
PATCX	Punta Patache	2.32	355		Pn	19 01 16.8 +1.2
PATCX	Punta Patache	2.32	355	eP	Pn	19 01 16.9 +1.2
PATCX				eS	Sn	19 01 53.8 +1.1
PATCX	Punta Patache	2.32	355	iP	Pn	19 01 16.7 +1.2
TA01	Diego Aracena	2.57	355	eP	Pn	19 01 20.0 +1.0
TA01	Diego Aracena	2.57	355	eS	Sn	19 01 20.1 +1.0
TA01				IAML		19 01 59.7 +1.1
TA01				IAML		19 02 01.1
comp=Z,2um,0.8s						
TA01	Diego Aracena	2.57	355	iP	Pn	19 01 20.2 +1.2
HMB0	Humberstone	2.85	357	eP	Pn	19 01 24.9 +1.9
TA02	Huapiquique	2.86	357	eP	Pn	19 01 24.1 +1.1
TA02	Huapiquique	2.86	357	eP	Pn	19 01 24.2 +1.3
TA02				IAML		19 02 18.6
comp=Z,1um,0.7s						
AC01	Pan de Azucar	3.05	191	eP	Pn	19 01 25.3 -0.3
AC01	Pan de Azucar	3.05	191	eP	Pn	19 01 25.2 -0.3
AC01				IAML		19 02 13.3
comp=Z,1um,0.5s						
PB08	IPOC Station P	3.08	14	eP	Pn	19 01 28.3 +2.1
PB08				eS	Sn	19 01 28.8 +2.6
PB08				IAML		19 02 13.3 +1.1
PB08				IAML		19 02 22.6
comp=Z,1um,0.9s						
PB08	IPOC Station P	3.08	14	iP	Pn	19 01 28.4 +2.1
GO01	Chusmiza	3.53	12	eP	Pn	19 01 33.6 +1.1
GO01	Chusmiza	3.53	12	eP	Pn	19 01 34.2 +1.1
YJA	Yavi	4.21	78	eP	Pn	19 01 47.1 +5.3
AC06	Minna Casimiro	4.21	185	eP	Pn	19 01 40.9 -0.6
SLA	San Lorenzo	4.36	112	eP	Pn	19 01 49.4 +5.8
GO03	Copiap	4.44	183	eP	Pn	19 01 43.9 -0.6
GO03	Copiap	4.44	183	eP	Pn	19 01 43.9 -0.6
PB12	IPOC Station P	4.52	355	eP	Pn	19 01 45.6 -0.1
PB12				eS	Sn	19 01 47.1 +1.4
PB12				IAML		19 03 04.3
comp=Z,4.21nm,0.5s						
AZAP	Zapla	4.61	104	eP	Pn	19 01 51.5 +4.4
AZAP				IAML		19 02 54.4
comp=Z,1.98nm,0.9s						
AP01	Chacalluta	4.76	356	eP	Pn	19 01 50.2 +1.2
AP01	Chacalluta	4.76	356	iP	Pn	19 01 51.2 +2.2
PB16	IPOC Station P	4.80	5	eP	Pn	19 01 50.9 +0.8
PB16				eS	Sn	19 01 53.9 +3.8
PB16				IAML		19 03 11.4
comp=Z,3.72nm,1.0s						
AC04	Llanos de Chal	5.14	191	eP	Pn	19 01 51.0 -3.1
PB18	Visviri	5.24	5	eP	Pn	19 01 59.8 -0.4
PB18	El Transito	5.24	5	eP	Pn	19 01 59.8 -0.8
LCO	Las Campanas	5.88	186	eP	Pn	19 02 02.5 -2.1
CO01	Juntas del Tor	6.81	141	eP	Pn	19 02 16.1 -1.2
LPAZ	La Paz	7.03	14	eP	Pn	19 02 20.9 +0.2
LPAZ	La Paz	7.03	14	eP	Pn	19 02 20.3 -0.3
comp=Z,7.7nm,0.6s,baz=201,slow=2.8,SNR=22						
GO04	Tololo Observa	7.04	186	eP	Pn	19 02 18.2 -2.2
CO06	Fray Jorge	7.65	191	eP	Pn	19 02 24.9 -3.6
CO03	El Pedregal	7.65	185	eP	Pn	19 02 26.9 -2.3
ZON	Zonda	8.45	173	eP	Pn	19 02 40.2 +0.8
CFA	Coronel Fontan	8.56	170	LR	LR	19 06 10.0
comp=Z,1.06nm,20.3s,slow=3.8,SNR=15						
VA03	San Esteban	9.60	183	eP	Pn	19 02 51.8 -3.5
MT08	Bocatombo R	10.26	180	eP	Pn	19 03 01.5 -3.0
BBSD	Serra de San D	10.58	158	eP	Pn	19 03 08.4 -0.3
ESFA	Espinillo Com	10.63	102	eP	Pn	19 03 09.6 -0.3
SIV	San Ignacio	10.97	5	eP	Pn	19 03 12.5 -1.7
SIV				S	Sn	19 05 09.8 -5.8
comp=Z,7.7nm,0.7s,baz=227,slow=16,SNR=1.8						
SIV				LR	LR	19 08 34.0
comp=Z,2.56nm,21.0s,baz=283,slow=43						
MURT	Porto Murinho	11.51	85	eP	Pn	19 03 21.6 +0.2
CPUP	Villa Florida	11.90	108	eP	Pn	19 03 27.4 +0.7
CPUP	Villa Florida	11.90	108	eP	Pn	19 03 26.4 -0.3
CPUP	Villa Florida	11.90	108	eP	Pn	19 03 26.9 +0.3
comp=Z,7.6nm,0.9s,baz=287,slow=11,SNR=12						
CPUP				LR	LR	19 08 53.3
comp=Z,1.14nm,21.3s,baz=248,slow=41						
BDQN	Bodoguenta, MS	12.55	80	eP	Pn	19 03 34.9 -0.7
PTLB	Ponte de Lacer	12.75	55	eP	Pn	19 03 38.4 +0.1
PTLB	Botes e Lacer	12.75	55	eP	Pn	19 03 37.7 -0.7
ANTJ	Antonio Joao	12.94	88	eP	Pn	19 03 41.5 +0.6
H03N1	Juan Fernandez	12.94	216	T	T	19 16 24.6
comp=Z,1.14nm,21.3s,baz=248,slow=41						
H03N2	Juan Fernandez	12.95	216	T	T	19 16 11.3
H03N3	Juan Fernandez	12.96	216	T	T	19 16 27.9
comp=Z,1.14nm,21.3s,baz=248,slow=41						
AODB	Aquidauana	13.50	81	eP	Pn	19 03 50.1 +1.6
ETMB	Extrema	13.72	16	eP	Pn	19 03 50.1 -1.6
ETMB	Extrema	13.72	16	eP	Pn	19 03 50.3 -1.3
VILB	Vilheina	13.73	44	eP	Pn	19 03 50.5 -1.2
VILB	Vilheina	13.73	44	eP	Pn	19 03 52.2 +0.5
AMBA	Amambai (Braz	13.78	92	eP	Pn	19 03 52.2 -0.7
MCI	Marechal Candi	14.63	98	eP	Pn	19 03 12.8 +0.1
RODS	Rosario do Sul	15.00	122	eP	Pn	19 04 06.6 -1.7
PP1B	Ponte de Pedra	15.16	71	eP	Pn	19 04 09.5 -1.1
SALV	Santo Antonio	15.24	64	eP	Pn	19 04 11.1 -0.4
KSH	Samuel	15.53	26	eP	Pn	19 04 14.9 -0.4
SAML	Samuel	15.53	26	eP	Pn	19 04 15.2 -0.0
CSB	Cruzeiro do Su	15.55	30	eP	Pn	19 04 16.1 -0.1
CSB				IAMB	IAMB	19 04 23.4
comp=Z,3.7nm,0.7s						
FRBT	Francoise Belt	15.62	104	eP	Pn	19 04 16.0 -0.4
ALGR	Alto Alegre (B	16.22	114	eP	Pn	19 04 22.6 -1.4
TRQA	Tronqueira	16.36	157	eP	Pn	19 04 35.7 +0.8
CPSB	Capacava Do Su	16.41	120	eP	Pn	19 04 24.3 -2.1
PTGB	Pitanga	16.43	99	eP	Pn	19 04 26.7 +0.1
GO06	Curarehue	16.44	184	eP	Pn	19 04 25.1 -1.7
ITAB	Concordia	16.63	108	eP	Pn	19 04 27.2 -1.9
ITAB				IAMB	IAMB	19 04 29.0
comp=Z,4.0nm,1.2s						
ITAB	Concordia	16.63	108	eP	Pn	19 04 28.6 -0.5
PDRB	Porto dos Gac	17.03	50	eP	Pn	19 04 36.7 +1.4
PCMB	Pacambu	17.35	89	eP	Pn	19 04 37.8 -0.3
PLCA	Paso Flores	17.55	182	eP	Pn	19 04 38.8 -1.6
PLCA	Paso Flores	17.55	182	eP	Pn	19 04 36.9 -3.5
PLCA	Paso Flores	17.55	182	eP	Pn	19 04 42.9 +2.1
comp=Z,1.3nm,0.8s,baz=5.2,slow=16,SNR=1.9						
PLCA				LR	LR	19 11 18.4
CNLB	Canelas	18.19	114	eP	Pn	19 04 48.5 +0.1
CLDB	Colider	18.20	50	eP	Pn	19 04 48.4 +0.2
ITRB	Iturama	18.56	83	eP	Pn	19 04 52.1 0.0
FRTB	Iturama	18.74	95	eP	Pn	19 04 55.0 0.0
BB19B	Behedouro	19.96	98	eP	Pn	19 05 06.4 -1.0
TEFE	Tefe	20.18	141	eP	Pn	19 05 10.4 +1.1
SPB	Sao Paulo	20.68	96	eP	Pn	19 05 15.6 +0.5

RCLB	Rio Claro-Sao	20.68	92	eP	P	19 05 13.9 -1.3
PET01	Itanhem-SP	20.79	98	eP	P	19 05 17.1 +0.8
IPMB	Ipanameri, GO	20.98	80	eP	P	19 05 18.4 -0.1
MORA	Macar, Loja	21.02	331	eP	P	19 05 16.8 -2.1
NPG8	Novo Progresso	21.29	44	eP	P	19 05 21.3 -0.4
MACA	Manacapurú-AM	21.80	26	eP	P	19 05 26.5 -0.6
MACA	Manacapurú-AM	21.80	26	eP	P	19 05 28.3 +1.2
BDFB	Brasília	21.98	74	eP	P	19 05 28.4 -0.8
BDFB				IAMB	IAMB	19 05 31.9
comp=Z,2.4nm,1.2s						
BDFB		21.98	74	eP	P	19 05 28.0 -1.3
comp=Z,7.0nm,0.6s,baz=245,slow=11,SNR=8.1						
BDFB				LR	LR	19 14 59.0
comp=Z,9.8nm,19.1s,baz=165,slow=39						
PARB	Parati	22.35	95	eP	P	19 05 34.5 +1.3
PMNB	Patos De Minas	22.44	83	eP	P	19 05 35.7 +1.5
COYC	Coyhaique	22.44	184	eP	P	19 05 33.0 -0.8
COYC				IAMB	IAMB	19 05 53.0
comp=Z,2.4nm,1.2s						
SGCB	São Gabriel d	23.06	7	eP	P	19 05 41.4 +1.0
ITTB	Itaituba	23.18	38	eP	P	19 05 41.0 -0.7
VAS01	Vassouras-RJ	24.46	93	eP	P	19 05 54.2 +0.7
OTAV	Otavalo	24.67	339	eP	P	19 05 54.6 -1.3
DIAM	Diamantina, MG	25.03	84	eP	P	19 05 59.1 +0.2
DUB01	Dubois-Ribeiro	25.47	93	eP	P	

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, ONTC, NOUNC, RTV, DVP, KOUNC, MSVF, CTA, STKA, ASAR, WRA, BATI, MJAR, QSPA, KSRS, CMAR, TROLL, SNA, VNA3, VNA2, SONM, NVAR, PALK, ILAR, TXAR, DPC, UPVC, PVCC, CLL, PRU, HRK, ZKC, ZVK, ESK, RONA, NK, CONA, CKRC, KHC, GERES, ARSA, SOKA, OBKA, LESA, ABTA, WATA, WTTA, MOTA, SQA, FETA, DAVA, TORD, PRE, EAF, BUL, ISC, Code, Station Name, Az, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PRYS, CRLN, BOSA, BOSA, BOSA, MOPA, MOPA, MOPA, SNKL, SNKL, SNKL, UPI, UPI, UPI, KEIM, KEIM, KEIM, PKA, PKA, PKA, KSTD, KSTD, KSTD, BRAK, BRAK, BRAK, GRAF, GRAF, GRAF, FRAZ, FRAZ, FRAZ, ROOI, ROOI, ROOI, GRAN, GRAN, GRAN, SUR, SUR, SUR, Code, Station Name, Az, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like J20K, IMAR, B21K, F21K, F21K, H21K, H21K, D22K, CNPM, SUA, SUA, TRF, G23K, G23K, G23K, C23K, H23K, H23K, TOLK, D24K, D24K, E24K, E24K, SML, SML, SML, IL31, ILAR, SCM, SCM, E25K, E25K, J25K, BMAR, S26K, S26K, V27K, V27K, K27K, WAX, WAX, WAX, M27K, E28M, E28M, ISLE, ISLE, I28M, LOGN, LOGN, G29M, I29M, I29M, EPYK, EPYK, L29M, G30M, G30M, J30M, G31M, INK, INK, KURB, BVAR, FINES, PDAR, HFS, KAN10, TXAR, NEIC, ISC, Code, Station Name, Az, Phase ID, Time, Res.

2d 21h

GUNB	comp=Z,340nm,1.0s	IAML			21 17 44.6
NUBE	Las Nubes	1.47 81 eP	Pn	21 17 23.5 -0.2	
NUBE	Las Nubes	1.47 81 eS	Sn	21 17 43.0 -0.6	
NUBE		1.47 81 iP	Pg	21 17 24.0	
NUBE		1.47 81 iS	Sg	21 17 43.7	
NUBE			IAML	21 17 47.0	
SLOZ	comp=Z,230nm,1.0s				
RTR	Alcaldia de Sa	1.49 76 eP	Pn	21 17 22.9 -1.0	
RTR	El Retiro	1.59 82 eP	Pg	21 17 26.0 -0.2	
CEVE		1.59 82 eS	Sg	21 17 47.6 +0.3	
CEVE	Cerro Verde	1.61 84 eP	Pg	21 17 26.9 +0.1	
CEVE		1.61 84 eS	Sg	21 17 48.2 +0.5	
CEVE			IAML	21 17 54.8	
CEVE	comp=Z,491nm,0.4s				
CEVE	Cerro Verde	1.61 84 iP	Pn	21 17 26.5	
CEVE		1.61 84 iS	Sn	21 17 48.2	
CEVE			IAML	21 17 54.1	
SBSL	comp=Z,520nm,1.0s				
QUIS	San Blas	1.61 84 eP	Pb	21 17 26.5 -0.1	
QUIS	Sacapulas	1.62 6 iP		21 17 25.5	
QUIS			IAML	21 17 26.3	
QUIS	comp=Z,410nm,1.0s				
SJUA	San Jose	1.63 83 eP	Pn	21 17 50.9 -0.1	
SJUA		1.63 83 eS	Sn	21 17 26.1	
UNIC	Universidad Ca	1.70 79 iP		21 17 27.9	
UNIC			IAML	21 17 54.9	
JAYA	comp=Z,220nm,1.0s				
JAYA	Jayaque - fnc	1.77 90 eS	Sb	21 17 51.5 -0.6	
JAYA		1.77 90 eP	Pn	21 17 54.4	
JAYA	Jayaque - fnc	1.77 90 iP		21 17 30.4	
JAYA		1.77 90 iS	Sn	21 17 51.1	
PMON	Piamonte	1.90 89 eP	Pn	21 17 30.3 +0.6	
PMON	Piamonte	1.90 89 iP		21 17 30.6	
PMON		1.90 89 iS	Sn	21 17 58.2	
PMON			IAML	21 17 59.4	
UEES	comp=Z,470nm,1.0s				
UEES	Universidad Ev	1.98 89 eP	Pn	21 17 30.8 +0.2	
UEES		1.98 89 eS	Sn	21 18 04.0	
MT03	Montecristo	1.99 69 eP	Pn	21 17 31.1 +0.1	
MT03	Montecristo	1.99 69 iP		21 17 31.6	
MT03		1.99 69 iS	Sn	21 17 36.3	
MT03	comp=Z,67nm,1.0s				
LOMA	Loma Larga	2.04 91 eS	Sb	21 18 00.9	
SCLA	Alcaldia de Sa	2.47 89 eP	Pn	21 17 38.7 +1.3	

SJA 02:21:24.08:0.0,8,30.96Sx71.51W,h24km,4km,ML4.1, MW4.
 GUC 02:21:24.10:6.0,9,30.93S;71.26W,h54km,3km,ML4.3
 IDC 02:21:24.11:0.0,8,30.88S;71.44W,h56km,6km,mb3.7/6,
 mbmp4.0/12,MS2.8/4,Error ellipse: s-maj=19.3km
 s-min=10.5km az=26.0
 NEIC 02:21:24.11:5.2,7,31.02S;0.02;71.56W,h95km,14km,
 mb4.2/6,ML4.2(GUC),Error ellipse: s-maj=11.4km
 s-min=2.1km az=82.0
 ISC 02:21:24.10:5.0,6,30.96S;0.03;71.43W,0.04,h53km,5km,
 n120,σ1983/144,mb3.9/7,6C-4D,Near coast of central Chile

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h	s
CO06	Fray Jorge	0.33	328	Op	Pn	21 24 21.9 +1.1	
CO06	Fray Jorge	0.33	328	eP	Pn	21 24 22.1 +1.8	
CO06				eS	Pn	21 24 30.0 +2.8	
CO06				IAML		21 24 32.7	
CO03	comp=E,35um,0.2s						
CO03	El Pedregal	0.65	80		Pn	21 24 23.1 -0.8	
CO03	El Pedregal	0.65	80	eP	Pn	21 24 23.3 -0.5	
CO03				eS	Pn	21 24 32.5 -1.0	
CO03				IAML		21 24 32.8	
CO03	comp=Z,11um,0.2s						
CO03	El Pedregal	0.65	80	eP	Pn	21 24 23.5 -0.3	
CO03				eS	Sn	21 24 32.5 -1.0	
CO03				IAML		21 24 32.7	
GO04	comp=E,49um,0.1s						
GO04	Tololo Observa	0.95	35		Pn	21 24 27.9 0.0	
GO04	Tololo Observa	0.95	35	eP	Pn	21 24 27.9 0.0	
GO04				eS	Sn	21 24 40.2 -0.5	
GO04	Tololo Observa	0.95	35	eP	Sn	21 24 28.2 +0.3	
GO04				eS	Sn	21 24 41.4 +0.8	
GO04				IAML		21 24 43.9	
CO05	comp=E,54um,0.6s						
CO05	La Serena	1.05	9		Pn	21 24 30.2 +1.3	
CO05	La Serena	1.05	9	eP	Pn	21 24 29.6 +0.6	
CO05				eS	Sn	21 24 44.4 +1.8	
CO05	Juntas del Tor	1.51	50		Pn	21 24 36.2 +0.8	
CO01	Juntas del Tor	1.51	50	eP	Sn	21 24 36.5 +1.0	
CO01				eS	Sn	21 24 55.4 +1.2	
CO01				IAML		21 24 56.4	
CO01	comp=Z,2um,0.2s						
CO01	Juntas del Tor	1.51	50	eP	Pn	21 24 36.5 +1.0	
CO01				eS	Sn	21 24 52.2 +1.2	
CO01				IAML		21 24 56.4	
comp=N,6um,0.3s							
AROD	Rodeo	1.86	65	eP	Pn	21 24 42.9 +2.6	
VA03	San Esteban	1.95	158	eP	Pn	21 24 42.2 +0.9	
VA03	San Esteban	1.95	158	eS	Sn	21 24 42.1 +0.8	
VA03				IAML		21 25 07.8 +3.0	
VA03						21 25 14.5	
VA03	comp=Z,1um,0.3s						
VA03	San Esteban	1.95	158	eP	Pn	21 24 41.8 +0.4	
VA03				eS	Sn	21 25 05.7 +1.0	
VA03				IAML		21 25 09.4	
comp=E,5um,0.1s							
RTLS	Leoncito	2.01	115	eP	Pn	21 24 44.5 +2.3	
RTLS				IAML		21 25 14.6	
DOCA	Reserva Natura	2.02	90	eP	Pn	21 24 44.1 +1.7	
LCO	Las Campanas	2.04	18	eP	Pn	21 24 44.0 +1.3	
LCO	Las Campanas	2.04	18	eS	Sn	21 24 44.0 +1.3	
LCO				IAML		21 25 09.8 +2.7	
LCO						21 25 12.6	
LCO	comp=Z,5um,0.7s						
LCO	Las Campanas	2.04	18	eP	Pn	21 24 43.8 +1.1	
LCO				iS	Sn	21 25 09.2 +2.1	
ROC1	El Roble	2.04	170	eP	Pn	21 24 43.7 +0.9	
ROC1	El Roble	2.04	170	eS	Sn	21 24 43.9 +1.1	
ROC1				IAML		21 25 11.4 +1.1	
ACCO	Cerro Coronel	2.07	80	eP	Pn	21 24 45.5 +2.4	
ACCO				IAML		21 25 16.4	
comp=Z,780nm,0.2s							
VA01	Torpederas	2.07	185	eP	Pn	21 24 43.1 +0.2	
VA01	Torpederas	2.07	185	eS	Sn	21 25 13.8 +0.0	
VA01				IAML		21 25 15.1	
VA01	comp=Z,508nm,0.6s						
VA01	Torpederas	2.07	185	eP	Pn	21 24 42.7 -0.1	
VA01				eS	Sn	21 25 07.5 +0.1	
VA01				IAML		21 25 15.7	
comp=E,1um,0.4s							
ACDV	Cuesta del Vie	2.14	69	eP	Pn	21 24 46.6 +2.7	
ACDV				IAML		21 25 18.4	
PEL	comp=Z,647nm,0.4s						
PEL	Peldehu	2.27	164	Pn	Pn	21 24 46.5 +0.8	
PEL	Peldehu	2.27	164	IAML		21 25 21.8	
comp=E,1um,0.2s							
MT02	Curacav	2.31	174	eP	Pn	21 24 46.8 +0.6	
MT02	Curacav	2.31	174	eP	Pn	21 24 46.1 0.0	
MT02				IAML		21 25 25.3	
MT02	comp=Z,482nm,0.3s						
MT02	Curacav	2.31	174	eP	Pn	21 24 46.6 +0.5	
MT02				eS	Sn	21 25 13.8 +0.5	
MT02				IAML		21 25 19.7	
comp=E,874nm,0.2s							
AC05	El Transito	2.34	26		Pn	21 24 48.5 +1.8	
AC05	El Transito	2.34	26	eP	Sn	21 24 48.5 +1.8	
AC05				eS	Sn	21 25 18.6 +4.4	
AC05				IAML		21 25 20.3	
comp=Z,1um,0.2s							
AC05	El Transito	2.34	26	eP	Pn	21 24 48.3 +1.6	
AC05				eS	Sn	21 25 16.1 +1.9	
AC05				IAML		21 25 29.5	
comp=E,1um,0.3s							
ZON	Zonda	2.43	105	eP	Pn	21 24 49.9 +2.1	
ZON	Zonda	2.43	105	eP	Pn	21 24 49.5 +1.7	
ZON				IAML		21 25 25.2	
comp=Z,521nm,0.5s							
MT10	Hacienda Santa	2.43	162	eP	Pn	21 24 49.0 +1.1	

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MT10	eS	Sn	21 25 18.2 +1.7
MT10	IAML		21 25 21.1
comp=N,3um,0.4s			
MT05	Renca	2.50 167	Pn
MT05	Renca	2.50 167	eP
MT05			Sn
MT05			IAML
comp=Z,646nm,0.2s			
SJA	San Juan	2.52 104	eP
SJA			IAML
comp=Z,560nm,0.2s			
MT14	Cerro Caljn	2.55 163	eP
MT14			eS
MT14			IAML
comp=E,2um,0.4s			
FCH	Farellones	2.55 158	iP
FCH			iS
FCH			IAML
comp=N,822nm,0.2s			
RTLL	Cerro Villucun	2.56 99	eP
RTLL			IAML
comp=Z,2um,2.0s			
MT03	Universidad Ad	2.65 163	Pn
MT03	Universidad Ad	2.65 163	eP
MT03			IAML
comp=Z,796nm,0.3s			
MT04	Ro Olivares	2.68 156	eP
MT04			eS
MT04			IAML
comp=E,912nm,0.5s			
VA05	Santo Domingo	2.70 183	Pn
ASAL	Salagata	2.75 127	eP
ASAL			IAML
comp=Z,282nm,0.9s			
MT15	Las Vizcachas	2.75 164	eP
MT15			eS
MT15			Sn
MT08	Bocatom Ro	2.75 155	eP
AC04	Llanos de Chal	2.76 7	Pn
AC04	Llanos de Chal	2.76 7	eP
AC04			IAML
comp=Z,557nm,0.2s			
AC04	Llanos de Chal	2.76 7	eP
AC04			eS
AC04			Sn
comp=E,785nm,0.3s			
CFA	Coronel Fontan	2.81 104	eP
CFA			eS
CFA			IAML
comp=Z,451nm,0.5s			
CFA	Coronel Fontan	2.81 104	P
CFA			eS
CFA			

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Table with columns: WETZ, WETZell, baz=38,slow=2.8, 146.62 331 epPKPbc PKPbc 21 57 20.5 +0.8, etc.

NOU 02 21:42:39.0, 21:58S; 169:43E, h0km, MLV3.9/8, Southeast of Loyalty Islands

ICD 02 21:42:44.0, 0.3, 0.21:75S; 169:02E, h0km, mb3.5/3, mbmp3.5/4, ML3.1/1, Error ellipse: s-maj=167.8km

ISC 02 21:42:48.3-1.3, 21:65S; 01:169.0E:0.1, h29km, n14, o=92/15, mb3.5/3, Loyalty Islands

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

DJA 02 21:58:15.1-0.8, 4S; 10:12*8E, h10km, M3.8/11, mb4.2/5, mB5.3/2, MLV3.6/11, Mw(mb)4.7/2, Seram

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

IDC 02 22:00:58.2-1.0, 57:57N; 154:34W, h0km, mb3.5/7, mbmp3.6/9, ML3.5/2, M53.0/2, Error ellipse: s-maj=18.5km

NEIC 02 22:00:59.7, 1.7, 57:97N; 0:04-154:48W, 0:09, h6km, 11km, Error ellipse: s-maj=6.8km s-min=5.6km az=77.0

AEIC 02 22:00:59.3-2.0, 57:99N; 0:02-154:40W, 0:08, h6km, 7km, ML3.5, ML3.8/82(NEIC), Error ellipse: s-maj=6.8km

ISC 02 22:00:59.0-1.1, 57:97N; 0:02-154:40W, 0:02, h3km, 8km, n205, t1904/209, mb3.6/6, Kodiak Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like R18K, KAKN, KCE, etc.

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Main table with columns: SYI, Shuyak Island, 1.24 58 IAML, Pg, 22 01 21.0 -1.7, etc. Lists various seismic events and stations.

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Table with columns: GHO, comp=E,90nm,1.2s, IAML, 22 03 36.2, etc. Lists seismic events and stations.

comp=E,0.5nm,0.8s
QSPA South Pole Qui 147.76 180 PKPbc PKPbc 22 20 43.7 +0.2
BOSA Boshof 150.65 1 PKPbc PKPKP 22 20 52.8 0.0

CATAC 02 22:13:09.1±0.6, 13:60N:91.49W, h24km, 8km, ML4.9,
Hypocentre not reviewed by the ISC

NEIC 02 22:13:09.4±1.9, 13:64N:0.07-91.48W, 0.08, h35km, 1km,
mb4.6/247, Error ellipse: s-maj=14.8km s-min=8.8km
az=48.0

GCG 02 22:13:10.9±1.2, 13:69N:91.44W, h44km, MD4.5
SNET 02 22:13:11.3±1.1, 13:71N:91.16W, h4km, 7km, ML4.7

IDC 02 22:13:13.3±4.7, 13:07N:90.75W, h59km, 40km, mb3.9/15,
mb1mp4.2/16, ML4.7/1, MS3.6/27, Error ellipse:
s-maj=31.1km s-min=14.7km az=45.0

ISC 02 22:13:11.4±1.1, 13:69N:0.06-91.34W, 0.05, h61km, 9km,
n626, 13:16/614, mb4.5/128, 6D, Near coast of
Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Suchitepequez, Fuego 3, Retalhuleu, Pacaya, Santiago 3, Kika Raxquin, Mixco, Labor Ovalle, OSOP, Las Nubes, San Marcos, Catarina, Las Nubes, Lomas de Alarc, Sacapulas, Huehuetenango, Cerro Verde, Asuncion Mita, San Blas, San Jose, Universidad Ca, Jayaque - finc, San Andres, Ministerio de, Boqueron, Escuela Especi, Alcadia de Qu, Montecristo, Serv Nac Est T, Seminario San, Universidad Te, Alcadia de, Direccin Gen, Loma Larga.

Table with columns: LOMA, Loma Larga, 2.11 91, P, S, I, M, L, ESQI, Esquipulas, UDBS, Universidad Do, LFU, La Fuente, LFRS, El Faro, SJTE, Alcaldia de S, COEG, Centro de Oper, UESV, Universidad de, TECO, Alcaldia de Te, SCLA, Alcaldia de Sa, CCIG, Comitán, COEB, Comit de Eme, TECA, Tecapa, PACA, Pacayal, LCY, Lacayo, VSM, San Miguel, LOND, La Caada, CNCH, Conchagua, PETF, Flores, TGUH, Tegucigalpa, Un, CRIN, San Cristobal, PKGN, Cerro Pekin, CNGN, Cerro Negro, CMIG, Matias Romero, CMIG, 2.118nm, 0.5s, bsz=203, slow=20, SNR=3.9, CMIG, 2.1um, 19.0s, bsz=129, slow=43, ATON, Matagalpa, MATN, Acoyapa, HZTE, Horizontes, Gu, ORTE, Ortega, Santa, QUNO, Dulce Romero, ESPN, Las Esperanzas, JTS, Las Juntas de, JTS, 2.14nm, 0.4s, bsz=290, slow=20, SNR=1.0, TEIG, Tepich, TEIG, 2.1um, 0.4s, bsz=169, slow=7.9, SNR=88, ARE1, Arenal 1, JACO, Garabito, RIMA, Rio Macho, DRKO, Durika, SOR, Sorca, KVXT, Kingsville, 833A, Chaparral WMA, 833A, Chaparral WMA, HND0, Honda, 553A, Crawfordville, 346A, Big Creek Wild, DRIO, Del Rio, JCT, Junction City, VBMS, Vicksburg, 352A, Blakely, 250A, Grady, 250A, HPIG, Homero, BRDY, Brady, SAND, Sanderson, TIGA, Tifton, WHTX, Lake Whitney, WHTX, Lake Whitney, TXAR, Lajitas Array, TXAR, Lajitas Array, TXAR, 2.05nm, 0.3s, bsz=154, slow=12, SNR=102, TX31, Lajitas Ar. Si, TX32, Lajitas Array, OZNA, Ozona, FW14, Alvarado, TREL, Terrell, H06E1, SOCORRO T-PHASE, H06S1, SOCORRO T, CHSH, Refugio Sur-Vo, 241A, Richard Creek, 247A, Carrollton, LRAL, Lakeview Retre, LRAL, Lakeview Retre, FW07, Weatherford, 152A, Waverly Hall, WLAR, White Oak Lake.

Table with columns: WLAR, comp=Z, 1.3nm, 0.6s, FW06, Azle, COHC, Cochancay, PLT, Palo Pinto, ALPN, Alpa, Y45A, Yeager Farm, C, FW03, Perrin-Whit E, SGCV, Sterling City, Z35A, Perchaven, San, Z35A, ABTX, Abilene, Hawle, Z51A, Franklin, MNHN, Monahans, Y45A, Blount Mountai, SDV, Santo Domingo, SDV, Santo Domingo, SDV, 2.5, 2nm, 0.4s, bsz=281, slow=7.1, SNR=5.8, MIAR, Mount Ida, MIAR, Mount Ida, LOOK, Love County, GOGA, Godfrey, GOGA, Godfrey, SN01, Snyder, WTF5, Wichita Falls, UALR, University of, UALR, ODSA, Odessa, PECS, Post, X48A, Hartselle, X48A, APMT, Aspermont, X37A, Clayton, Y52A, Lilburn, Y52A, 425A, Indio Mountain, POST, Post, FPAL, Fort Payne, WHAR, Woolly Hollow, DKNS, Dickens, SWET, Sewanee, WMOK, Wichita Mounta, WMOK, Wichita Mounta, HODGE, Hodges, MNTX, Cornudas Mout, MNTX, Cornudas Mout, MNTX, 2.19nm, 0.7s, MNTX, Cornudas Mout, W50A, Signal Mountain, W50A, Ozark Folk Cen, FCAR, Frankin, FNO, Franklin, LCAR, Lake Charles, LCAR, V48A, Smith Brothers, W52A, Murphy, W52A, CPCT, Copper Cave, DEOK, Deeper Cove, Y57A, Sumter, Y57A, HHAR, Hobbs, MSTX, Muleshoe, PAULI, Pauline, CLTN, Cedars of Leba, CLTN, SMWD, Sannwood, U38A, Gravette, QUOK, Quay, V51A, Loudon, TKL, Tuckaleechee C, TKL, Tuckaleechee C, TKL, Tuckaleechee C, PBMO, Poplar Bluff, AMTX, Amarillo, AMTX, Amarillo, V52A, Sevierville, OK048, Pawnee Station, KMSC, Kings Mountain, KMSC, Kings Mountain, V53A, Saluda, V53A, T42A, Van Buren, T42A, OK051, E0350 and S346, U49A, Red Boiling Sp, U49A, El Bau, BAUV, El Bau, BAUV, Mountain Grove, MGMO, Mountain Grove, MGMO, ELIS, Ellis County, T47A, Sharon Grove, T47A, CGM3, Cape Girardeau, TZTN, Tazewell, TZTN, Tazewell, V55A, Taylorville, KAN14, Manchester OK, KAN14, T50A, Nancy, S39A, Bolivar, S39A, S44A, Carbonade, S44A, SIUC, Southern Illin, SIUC, KAN09, Caldwell North, 121A, Cookes Peak, D, 121A.

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Table with columns for ID, Name, Date, Time, and Status. Includes entries like 121A Cookes Peak, D, 319A Douglas, KAN06 Argonia West S, CCM Cathedral Cave, CCM Cathedral Cave, U54A Nelsons Funny, ATAH Alatuhaipa, R40A Maddies Statio, V58A Windy Hill, Pi, WCI Wyandotte Cave, WCI Wyandotte Cave, RTBA Rita Blanca, R49A Shelbyville, ANMO Albuquerque, ANMO Albuquerque, R50A Paris, TUC Tucson, P40A Paris, P38A Dawn, T25A Trinidad, Q51A Peebles, T59A Double "B" Far, 214A Organ Pipe Nat, Q54A Cocks Mills, SDCO Great Sand Dun, ACSO Alum Creek Sta, X16A Lo Mia Camp, P, S22A 4UR Ranch, Cre, O53A New Philadelph, MVCO Mesa Verde, MVCO Mesa Verde, WUAZ Wupaki, P57A Homestead Farm, L40A Anamosa, ISCO Idaho Springs, ESJX Sierra Juarez, PDMCI Parker Dam, Lak, NNA Nana, SSPA Standing Stone, BC3 Big Chuckwall, IRM Iron Mountain, N23A Red Feather La, ERPA Eric, KNB Kanab, BELC Belle Mtn. Jos, PFO Pinyon Flats O, PFO Pinyon Flats O, O20A White River Ci, O20A White River Ci, GMRC Granite Mounta, V12A Nelson, MTPU Mount Pierson, P18A Preston Nutter, CCUT Cedar City, P17A Butcher Ranch, MSU Marysvale, MVU Marysvale, TMTU Trail Mountain, TCRU Three Creeks R, SHPR Sheep Range, RDMU Red Mountain, BINY Binghamton, SPMN Marine on St., BSUT Blindstream Ca, K22A Casper, MPU Maple Canyon, PSUT Pine Spring, NLU North Lily Min, GSW Queen of Sheba, GWY Greenwater Val, TPNV Popohap Spring, RSSD Black Hills, CTU Camp Tracy, MPMC Manual Prospec, SPR3 Spring Creek 3, SPR3 Spring Creek 3, DUG Dugway, Tooele, DUG Dugway, Tooele, TCUT Toone Canyon, BOAV Boa Vista

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Table with columns for ID, Name, Date, Time, and Status. Includes entries like UCCT U. Connecticut, R11B Troy Canyon, C, ISA Isabella, Lake, GRAO Grapevine Rang, HWUT Hardware Ranch, PD31 Pinedale Array, PDAR Pinedale Array, PDAR Boulder Array, BW06 Boulder Array, BGTU Big Grassy Mou, SPUT South Promonto, SPUT South Promonto, TPH Tonopah, DSP Deep Springs, HVU Hansel Valley, AHU Auburn Hatcher, AHID Auburn Hatcher, REDW Red Top Meadow, SNOH Snow Mountain, HNH Hanover, LHH Long Hollow, LOHW Elk, ELK Elko, TPAW Teton Pass, TPAW Teton Pass, NV11 Mina Array Sit, NV11 Mina Array Sit, OMMB Old Mammoth Mi, MOOV Moose Ponds, FXWY Fox Creek, MDPB Devils Postpil, NVAR Mina Array Bea, NVAR Mina Array Bea, LHV Little Hootoon, LHV Little Hootoon, IMW Indian Meadow, KVN Kaiserville, KVN Kaiserville, RLMT Red Lodge, YHH Holmes Hill, YERR Yerrington, YERR Yerrington, YHL Hebgan Lake, CMB Columbia Colle, HLD Hailey, HLD Hailey, SAML Samuel, BOZ Bozeman (W), MFID Camas Ranch, MFID Camas Ranch, ULM Lac du Bonnet, ULM Lac du Bonnet, WVOR Wild Horse Val, WVOR Wild Horse Val, EGMT Eagleton, LPAZ La Paz, LPAZ La Paz, J08A Circle Bar Ran, PLID Pearl Lake, PLID Pearl Lake, CHMT Chamberlain Mo, MSO Missoula, MSO Missoula, BMO Blue Mountains, I07A Izeze, I07A Izeze, F10A Beach Ranch, E, YBH Yreka Blue Hor, YBH Yreka Blue Hor, MDP Montagnes des, E09A Wood Farm, Sta, E09A Wood Farm, Sta, H04A Detroit Lake, H04A Detroit Lake, NEW Newport, NEW Newport, E07A Sunnyside, E07A Sunnyside, HOOD Mount Hood Mts, C09A Chrisman Ranch, LTY Liberty, LON Longmire, LON Longmire, PB06 IPOC Station P, PB06 IPOC Station P, LVC Limon Verde, LVC Limon Verde, B06A Marblemont, B06A Marblemont, EDM Edmonton, EDM Edmonton, RPN Rapa Nui, RPN Rapa Nui, SCHO Schefferville, SCHO Schefferville, SCHO Schefferville, SCHO Schefferville, YKA Yellowknife Ar, YKA Yellowknife Ar, CPUP Villa Florida, CPUP Villa Florida, BDFB Brasilia, BDFB Brasilia, KOTAN Kotaneleer Air, KOTAN Kotaneleer Air, T35M Bob Quinn, T35M Bob Quinn, DLBC Dease Lake, DLBC Dease Lake, DLBC Dease Lake, DLBC Dease Lake

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Table with columns for ID, Name, Date, Time, and Status. Includes entries like R33M Jennings River, R33M Jennings River, R33M Jennings River, Q32M Nakina River, P33M Teslin, Yukon, S31K Pelican, MMPY Sheldon Lake, MMPY Sheldon Lake, MMPY Sheldon Lake, WHY Whitehorse, FARO Faro, Yukon, O30N Mendenhall, P29M Windy Craggy, N31M Braeburn, Yoko, PLCA Paso Fiore, HYT Haines Junctio, PNL Peninsula, N30M Aishik Lake, YUK6 Outpost Mounta, RCBR Riachuelo, M30M Minto, Yukon, YUK4 Talbot Arm, PINM Pinnacle, O28M Mount Upton, YUK8 Steele Glacier, M29M Somme Creek, M29M Somme Creek, L29M L29M, CTG China Glacier, YUK3 Moose Creek, K29M Barlow Dome, J30M Hart River, I30M Mount Dempster, BVCY Beaver Creek, DAWY Dawson, G31M Satah River, MCARA McArthur VSAT, M27K Edge Creek, AK, BCAR Beaver Creek A, L27K Beaver Creek, L27K Beaver Creek, GLB Gilahina Butte, GLB Gilahina Butte, M26K Nabesna, AK, BMRM Bremner River, INK Inuvik, INK Inuvik, INK Inuvik, RES Resolute Bay, N25K Chitina, Valde, N25K Chitina, Valde, EYAK Cordova Ski Ar, H29M Whitestone, F30M Barrier River, L26K Log Cabin Wild, K27K Chicken, EGAK Eagle, HIN Hinchinbrook I, G29M Pine Creek, POHA Pohakuloa, KLU Klutina, KLU Klutina, P23K Montague Isian, I27K Kandik River, SCRK Sand Creek, M24K Tolsona, Glenn, M24K Tolsona, Glenn, J26L Joseph Creek, J26L Joseph Creek, J26L Joseph Creek, PAX Paxson, H27K Steamboat Moun, E29M Blow River, E29M Blow River, E29M Blow River, I26K Coal Creek Min, I26K Coal Creek Min, SCM Sheep Creek Mo, SCM Sheep Creek Mo, PWL Port Wells, M23K Glacier View, G27K Doyot Strip, K24K Donnelly Dome, SEW Seward, KNK Knik Glacier, KNK Knik Glacier, SML Sawmill, SML Sawmill, SML Sawmill, J25K Salcha River, J25K Salcha River

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like J25K, WAT6, E28M, E28M, E28M, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like K20K, N18K, N18K, N18K, N18K, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like H16K, C19K, G16K, J14K, J14K, etc.

SJA 02:22:39.70, 6.25, 40S; 69.91W, h71km, 2km, ML3.5, MW3.6
GUC 02:22:41.1, 1.0, 6.25, 39S; 69.94W, h59km, 4km, ML3.4
ISC 02:22:41.4, 1.3, 25.45S, 0.03, 69.90W, 0.07, h64km, 10km, n27, c291736, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like GO02, AC01, PB14, etc.

IDC 02:22:28:57.5, 3.3, 39.07N; 76.09E, h0km, mb3.8/4, mbmp3.57, ML2.3/3, MS2.6/2, Error ellipse: s-maj=67.1km, s-min=23.7km, az=131.0
NNC 02:22:29:01.0, 2.6, 39.16N; 76.34E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=19.5km, s-min=13.1km, az=153.0
SOME 02:22:29:01.4, 39.40N; 75.78E, h0km
ISC 02:22:28:59.1, 0.8, 39.11N; 0.05, 76.13E; 0.06, h10km, n67, c269/66, mb3.8/4, 8C-7D, Southern Xinjiang

Table with columns: AML, Almayashu, 3.55 329, Pn, 22 29 56.5 +1.9, etc. Lists various astronomical observations with station names, coordinates, and times.

Table with columns: KK31, 0.9nm, 0.3s, baz=124, slow=13, SNR=19, etc. Lists astronomical observations with station names, coordinates, and times.

Table with columns: KAN08, Anthony NE Sta, 0.43 41, Pg, 23 31 40.0 -0.2, etc. Lists astronomical observations with station names, coordinates, and times.

Table with columns: Code, Station Name, Az, Phase, Op, ID, h, m, s, Res, ISC. Includes stations like FW07 Weatherford, ABTX Abilene, Hawle, U40A Yellowknife, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ID, h, m, s, Res, ISC. Includes stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, PINNC Pines Island, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ID, h, m, s, Res, ISC. Includes stations like CMAR Chiang Mai Arr, BELA Belgrano 2, BELA Belgrano 2, etc.

ISC 02 23:42:32.7, 1.7, 21.875s, 169.98E, h0km, mb4.2/16, mbmp4.2/18, ML4.7/2, MS3.7/28, Error ellipse: s-maj=20.2km s-min=16.6km az=142.0

ISC 02 23:42:33.6, 1.2, 21.835s, 169.11E, h10km, MLV4.5/11, Southeast of Loyalty Islands, NEIC 02 23:42:33.6, 1.2, 21.835s, 169.11E, h10km, 1km, mb4.7/36, Mw4.4/13, Error ellipse: s-maj=7.0km s-min=6.1km az=210.0, Moment Tensor Solution.

ISC 03 00:08:16.9, 2.0, 6.055s, 73.95W, h4km, 7km, ML 3.1, Mw3.5, IDC 03 00:08:17.1, 1.8, 4.60N, 75.52W, h0km, Error ellipse: s-maj=111.6km s-min=15.1km az=166.0

ISC 03 00:08:15.5, 0.7, 6.07N, 0.02:73.92W, h10km, n31, s156/56, 1C-5D, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like VVWD, SX11, NWF, etc.

Table with columns: GMN, Gold Mountain, 0.96 133, IAML, 01 06 32.6, and various station identifiers like KVN, KVCN, KVCN, etc.

Table with columns: DSN 03 01:07:03.5, 1.5, 21.59N, 42.52E, h15km, Error ellipse: s-maj=55.2km, s-min=12.0km, az=171.0, and various station identifiers like NAMS, QNF02, BRK04, etc.

IDC 03 01:06:51.9, 2.2, 18.92N, 42.15E, h0km, mb3.9, mbmp3.9, MS2.8, Error ellipse: s-maj=53.1km, s-min=24.5km, az=161.0, SGS 03 01:06:52.7, 19.24N, 42.13E, h9km, MI4.0

NNC 03 01:09:21.1, 0.5, 44.27N, 81.18E, h2km, 4km, mb3.9, mpv3.9, Error ellipse: s-maj=1.9km, s-min=2.4km, az=129.0, SOME 03 01:09:22.2, 44.22N, 81.20E, h25km, ISC 03 01:09:19.5, 1.3, 44.24N, 0.04, 81.18E, 0.05, h14km, 11km, n58, r1576/7, 13C-9D, Northern Xinjiang

PDGK	64nm,0.1s	S	Sg	01 10 10.2 +1.4
PDGK	224nm,0.2s	1.53 234	Pg	01 09 49.6 +0.7
PDGK	27nm,0.2s	↑P	Sg	01 10 10.2 +1.4
SHLS	233nm,0.5s	1.66 230	P	01 09 48.3 -1.6
SHLS	206nm,0.2s	S	Sn	01 10 07.8 -1.7
SHLS	766nm,0.2s	1.66 230	eP	01 09 48.3 -1.6
SHLS	206nm,0.2s	eS	Pb	01 10 07.8 -1.7
UZB	766nm,0.2s	1.91 236	Pg	01 09 56.1 -0.1
UZB	48nm,0.1s	S	Sg	01 10 21.3 +0.2
UZB	219nm,0.1s	1.91 236	eP	01 09 56.1 -0.1
UZB	48nm,0.1s	eS	Sg	01 10 21.3 +0.2
BLB	243nm,0.1s	1.95 267	Pg	01 09 57.6 +0.7
BLB	141nm,0.2s	Lg	Lg	01 10 23.7
KPKS	85nm,0.1s	1.97 248	Pg	01 09 56.9 -0.3
KPKS	613nm,0.2s	Lg	Lg	01 10 22.5
KPKS	85nm,0.1s	1.97 248	ePg	01 09 56.9 -0.3
KPKS	613nm,0.2s	eLg	Lg	01 10 22.5
TDK	870nm,0.2s	2.12 292	Pg	01 10 00.2 0.0
TDK	102nm,0.2s	Lg	Lg	01 10 27.9
TDK	215nm,0.2s	2.12 292	ePg	01 10 00.2 0.0
TDK	21nm,0.1s	eLg	Lg	01 10 27.9
ZHN	215nm,0.2s	2.26 243	Pg	01 10 02.3 -0.6
ZHN	14nm,0.1s	Lg	Lg	01 10 31.7
ZHN	390nm,0.1s	2.26 243	ePg	01 10 02.3 -0.6
ZHN	14nm,0.1s	Lg	Lg	01 10 31.7
KURS	390nm,0.1s	2.31 252	Pg	01 10 03.1 -0.6
KURS	12nm,0.4s	Lg	Lg	01 10 33.5
KURS	61nm,0.3s	2.31 252	ePg	01 10 03.1 -0.6
KURS	3.8nm,0.1s	eLg	Lg	01 10 33.5
KURS	61nm,0.3s	2.34 241	Pg	01 10 03.4 -0.9
KURS	26nm,0.1s	Lg	Lg	01 10 33.7
SATY	502nm,0.1s	2.34 241	ePg	01 10 03.4 -0.9
SATY	26nm,0.1s	eLg	Lg	01 10 33.7
ARXS	502nm,0.1s	2.41 270	Pg	01 10 05.4 -0.4
ARXS	28nm,0.2s	Lg	Lg	01 10 37.1
ARXS	122nm,0.2s	2.41 270	ePg	01 10 05.4 -0.4
ARXS	28nm,0.2s	eLg	Lg	01 10 37.1
MAKZ	122nm,0.2s	2.62 12	↑Pn	01 10 03.9 -2.4
MAKZ	1.7nm,0.6s	↑Pg	Pg	01 10 10.5 +0.7
MAKZ	4.8nm,0.3s	↑Lg	Lg	01 10 42.1
MAKZ	19nm,0.5s	2.67 17	↑Pn	01 10 03.5 -3.6
MK31	0.2nm,0.1s,baz=200,slow=14,SNR=28	↑Lg	Pg	01 10 09.9 -0.7
MK31	3.7nm,0.2s	↑Lg	Lg	01 10 44.8
MK31	7.2nm,0.2s,baz=197,slow=18,SNR=7.7	3.05 264	Pg	01 10 16.4 -1.6
CHKK	12nm,0.1s	Lg	Lg	01 10 55.8
CHKK	88nm,0.1s	3.05 264	ePg	01 10 16.4 -1.6
CHKK	12nm,0.1s	eLg	Lg	01 10 55.8
KOTS	88nm,0.1s	3.12 253	Pg	01 10 17.5 -1.7
KOTS	27nm,0.3s	Lg	Lg	01 10 58.1
KOTS	118nm,0.1s	3.12 253	ePg	01 10 17.5 -1.7
KOTS	27nm,0.3s	eLg	Lg	01 10 58.1
MDOK	118nm,0.1s	3.19 252	Pg	01 10 18.4 -2.1
MDOK	20nm,0.3s	Lg	Lg	01 10 59.2
MDOK	47nm,0.3s	3.19 252	ePg	01 10 18.4 -2.1
MDOK	20nm,0.3s	eLg	Lg	01 10 59.2
MDOK	47nm,0.3s	3.22 253	↑Lg	01 11 04.4
KNDC	99nm,0.6s	3.29 262	Pg	01 10 21.0 -1.6
KTBS	12nm,0.2s	Lg	Lg	01 11 04.0
KTBS	66nm,0.3s	3.29 262	ePg	01 10 21.0 -1.6
KTBS	12nm,0.2s	eLg	Lg	01 11 04.0
KTBS	66nm,0.3s	3.45 254	↑Lg	01 11 11.6
KASK	4.8nm,0.2s	3.51 266	Pg	01 10 24.4 -2.3
KASK	Kaskelen	Lg	Lg	01 11 09.4
KUU	37nm,0.1s	3.51 266	ePg	01 10 24.0 -2.7
KUU	1.4nm,0.1s	eLg	Lg	01 11 09.3
KUU	37nm,0.1s	3.62 254	Pg	01 10 26.4 -2.6
MTBS	7.4nm,0.2s	Lg	Lg	01 11 13.5
MTBS	60nm,0.1s	3.62 254	ePg	01 10 26.4 -2.6
MTBS	7.7nm,0.2s	Lg	Lg	01 11 13.5
KST	60nm,0.1s	3.97 254	Pg	01 10 33.4 -2.3
KST	16nm,0.6s	Lg	Lg	01 11 25.4
KST	48nm,0.4s	3.97 254	ePg	01 10 33.4 -2.3
KST	3.1nm,0.2s	eLg	Lg	01 11 25.4
KRBS	48nm,0.4s	4.01 264	Pg	01 10 34.4 -2.0
KRBS	6.5nm,0.5s	Lg	Lg	01 11 27.1
KRBS	13nm,0.3s	4.01 264	ePg	01 10 34.4 -2.0
KRBS	1.8nm,0.2s	eLg	Lg	01 11 27.1
DGS	13nm,0.3s	4.05 258	Pg	01 10 35.1 -1.9
DGS	8.1nm,0.1s	Lg	Lg	01 11 28.2
DGS	51nm,0.3s	4.05 258	ePg	01 10 35.1 -1.9
DGS	6.1nm,0.2s	eLg	Lg	01 11 28.2
DGS	48nm,0.3s	4.11 37	Pg	01 10 30.9 -0.8
ZSN	6.9nm,0.2s	Lg	Lg	01 11 21.4
ZSN	40nm,0.5s	4.11 37	ePg	01 10 30.9 -0.8
ZSN	1.6nm,0.1s	Lg	Lg	01 11 21.4

ZSN	40nm,0.5s	eLg	Lg	01 11 21.4		
TKM2	Tokmak 2	4.27 254	↓Pg	Pg	01 10 41.1 -0.1	
TKM2	12nm,0.8s	↑Lg	Lg	01 11 38.9		
TKM2	18nm,0.3s	4.83 257	↓Pg	Pg	01 10 50.4 -1.7	
CHMS	Chumysh	4.83 257	↑Lg	Lg	01 11 54.5	
CHMS	2.8nm,0.4s	5.16 281	Pg	Pg	01 10 55.4 -2.7	
BTLS	Baital	5.16 281	Lg	Lg	01 12 03.9	
BTLS	1.7nm,0.1s	5.16 281	ePg	Pg	01 10 55.4 -2.7	
BTLS	4.3nm,0.3s	5.16 281	ePg	Pg	01 10 55.4 -2.7	
BTLS	1.7nm,0.1s	eLg	Lg	01 12 03.9		
BTLS	3.0nm,0.1s	5.87 252	↓Pg	Pg	01 11 07.2 -4.7	
AML	Almayashu	5.87 252	↓Lg	Lg	01 12 25.8	
AML	0.2nm,0.5s	5.98 258	Pg	Pg	01 11 13.9 -0.1	
MRKS	1.5nm,0.7s	5.98 258	ePg	Pg	01 11 13.9 -0.1	
MRKS	2.5nm,0.5s	5.98 258	Lg	Lg	01 12 35.1	
MRKS	7.4nm,0.3s	5.98 258	ePg	Pg	01 11 13.9 -0.1	
MRKS	1.5nm,0.5s	6.63 345	↑Pn	Pn	01 10 57.3 +0.8	
KURBB	Kurchatov Arra	6.63 345	↓Pg	Pg	01 11 20.3 -6.0	
KURBB	1.6nm,0.6s	7.82 265	↑Pg	Pg	01 11 44.2 -5.0	
KURBB	3.5nm,0.8s	7.82 265	↑Lg	Lg	01 13 29.4	
KK31	Karatay Array	7.82 265	↑Lg	Lg	01 15 17.4	
KK31	0.3nm,0.5s	2.3nm,0.6s,baz=72,slow=27,SNR=4.0	11.31 325	↑Lg	Lg	01 15 17.4
BVA0	Borovoye Array	3.8nm,0.8s,baz=128,slow=31,SNR=4.8				

SOME 03 01:29:18.0,39°62'N:73°07'E, h5km
 IDC 03 01:29:19.1±1.1,39°33'N:73°49'E, h0km, mb3.8/16,
 mbmp3.8/23,ML3.1/7, Error ellipse: s-maj=20.2km
 s-min=13.0km az=150.0
 KRNET 03 01:29:19.5±0.1,39°50'N:73°52'E, h14km, mb4.2
 NNC 03 01:29:22.0±1.1,39°57'N:73°22'E, h0km, mb4.7, mpv4.5,
 Error ellipse: s-maj=8.8km s-min=4.9km az=176.0
 ISC 03 01:29:21.1±1.2,39°50'N:074°73'35E±0.03, h5km, gkm,
 n121,e200°138,mb3.8/16,32C-2AJD, Tajikistan-Xinjiang
 border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	
SFK	Sufi-Kurgan	0.53	13	Op	ISC	h m s ISC	
SFK	baz=58	↓P	P	Sg	01 29 29.8	-1.6	
SFK	baz=58	↓P	S	Sg	01 29 37.3	-1.0	
OHH	Osh	1.11	337	↑P	Sb	01 29 41.7	-1.2
OHH	baz=31	↓P	S	Pb	01 29 58.1	+0.3	
DRK	Karamyk	1.20	270	↑P	Pb	01 29 44.8	+0.3
DRK	baz=70	↓P	S	Sn	01 30 03.5	+1.9	
ARBS	Arslanbob	1.85	351	↑P	Pn	01 29 54.2	+0.6
ARBS	baz=47	↑P	S	Sb	01 30 19.6	+0.7	
BTK	Batken	2.03	287	↑P	Pb	01 29 58.7	+0.1
BTK	baz=86	↑P	S	Sg	01 30 27.6	+1.2	
ARLS	Aral	2.48	17	↑P	Pn	01 30 02.6	+0.4
ARLS	baz=14	↑P	S	Sn	01 30 34.2	+1.3	
ARK	Arkit	2.53	336	↑P	Sn	01 30 04.8	+1.8
ARK	baz=33	↓P	S	Sb	01 30 37.6	-0.9	
TRKS	Terek-Say	2.64	321	↑P	Pn	01 30 05.8	+1.3
TRKS	baz=18	↓P	S	Sb	01 30 39.6	-2.1	
AML	Almayashu	2.64	6	P	Pn	01 30 06.8	+2.1
AML	SNR=196	2.64	6	↑Pn	Pn	01 30 04.7	-0.1
AML	10.0nm,0.6s	↓Lg	Lg	Lg	01 30 40.2		
AML	55nm,0.6s	2.64	6	↑P	Pn	01 30 05.5	+0.7
AML	Almayashu	2.64	6	↑P	Pn	01 30 05.5	+0.7
AML	baz=3.0	↓P	S	Sn	01 30 39.0	+1.6	
NRN	Naryn	2.80	45	↑P	Sn	01 30 55.9	-0.9
NRN	baz=43	↓P	S	Sn	01 30 40.1	-1.0	
MNAS	Manas	3.06	348	↑P	Pn	01 30 11.7	+1.5
MNAS	baz=46	↑P	S	Sn	01 30 49.8	+2.6	
EKS2	Erkin-Say	3.18	6	P	Pn	01 30 14.6	+2.7
EKS2	SNR=43	3.18	6	↑P	Pn	01 30 12.6	+0.7
EKS2	Erkin-Say	3.18	6	↑P	Pn	01 30 12.6	+0.7
EKS2	baz=3.0	↓P	S	Sn	01 30 51.6	+1.4	
MRKS	Merke	3.25	358	Pg	Pn	01 30 15.8	+3.0
MRKS	64nm,0.3s	Lg	Lg	Lg	01 30 57.8		
MRKS	138nm,0.4s	3.25	358	ePg	Pn	01 30 15.8	+3.0
MRKS	59nm,0.2s	eLg	Lg	Lg	01 30 57.9		
AAK	Ala-Archa	3.25	15	P	Pn	01 30 15.7	+2.8
AAK	SNR=66	3.25	15	↑P	Pn	01 30 13.6	+0.6
AAK	Ala-Archa	3.25	15	↑P	Pn	01 30 13.6	+0.6
AAK	baz=13	↓P	S	Sn	01 30 53.0	+0.9	
AAK	Ala-Archa	3.25	15	Pn	01 30 15.8	+2.9	
AAK	14nm,0.3s,baz=194,slow=13,SNR=119	Lg	Lg	Lg	01 30 58.1		
KBK	Karagaybulak	3.38	20	P	Pn	01 30 17.8	+3.1
KBK	SNR=35	3.38	20	↑P	Pn	01 30 15.2	+0.5
KBK	Karagaybulak	3.38	20	↑P	Pn	01 30 15.2	+0.5
KBK	baz=18	↓P	S	Sn	01 30 55.7	+0.5	
FRU1	Bishkek	3.45	16	↑P	Pn	01 30 16.5	+1.0
FRU1	baz=14	↑P	S	Sn	01 30 57.9	+1.1	
ULHL	Ulahol	3.51	38	P	Pb	01 30 23.6	-0.3
ULHL	SNR=130	3.51	38	↑P	Pn	01 30 16.6	0.0
ULHL	Ulahol	3.51	38	↑P	Pn	01 30 16.6	0.0
ULHL	baz=36	↑P	S	Sn	01 30 58.2	-0.4	
BOOM	Booms koye usch	3.58	32	↑P	Pn	01 30 17.4	0.0
BOOM	baz=31	↑P	S	Sn	01 30 59.6	-0.5	
CHMS	Chumysh	3.65	16	P	Pn	01 30 21.0	+2.7
CHMS	SNR=15	3.65	16	↑Pn	Pn	01 30 18.1	-0.3
CHMS	Chumysh	3.65	16	↑Pn	Pn	01 30 18.1	-0.3
CHMS	49nm,0.6s	↑Lg	Lg	Lg	01 31 13.9		
CHMS	62nm,0.2s	↑Lg	Lg	Lg	01 31 13.9		
CHMS	113nm,0.6s	Lg	Lg	Lg	01 31 18.7		
CHMS	506nm,0.4s	3.65	16	↑P	Pn	01 31 19.1	+0.8
CHMS	Chumysh	3.65	16	↑P	Pn	01 31 19.1	+0.8
CHMS	baz=14	↓P	S	Sn	01 31 02.2	+0.4	
IUG	Iuzhnay	3.65	317	Pg	Pn	01 30 21.7	+3.3

IUG	215nm,0.4s	Lg	Lg	01 31 07.5	
IUG	194nm,0.4s	3.65 317	ePg	Pn	01 30 21.7 +3.3
IUG	37nm,0.1s	eLg	Lg	01 31 07.5	
DZA	199nm,0.4s	3.72 336	Pg	Pn	01 30 22.7 +3.5
DZA	91nm,0.1s	Lg	Lg	01 31 09.5	
DZA	254nm,0.3s	3.72 336	ePg	Pn	01 30 22.7 +3.5
DZA	91nm,0.1s	eLg	Lg	01 31 09.5	
TKM2	Tokmak 2	3.82 26	P	Pn	01 30 23.0 +2.3
TKM2	SNR=7.7	3.82 26	↓Pn	Pn	01 30 20.1 -0.6
TKM2	Tokmak 2	3.82 26	↑Lg	Lg	01 31 19.9
TKM2	23nm,0.5s	3.82 26	↑P	Pn	01 30 21.1 +0.4
TKM2	145nm,0.8s	3.82 26	↑P	Pn	01 30 21.1 +0.4
TKM2	Tokmak 2	3.82 26	↑P	Pn	01 31 06.1 0.0
TKM2	baz=24	3			

KNK	comp=N,3um,0.5s baz=91	0.97 274	P	Pn	02 01 04.6	-0.4	BARN	comp=E,486nm,0.8s baz=102	2.34 95	Pn	02 01 24.8	+0.8	IVE	baz=158	3.50 250	Pn	02 01 40.1	+0.3	
KNK	baz=91		S	Sb	02 01 17.8	-0.1	BARN	comp=E,329nm,0.4s	2.34 95	IAML	02 02 03.0		ILW	liamna Volcan	3.50 251	Pn	02 01 40.8	+0.4	
HIN	hinchinbrook I	0.97 182		Pn	02 01 04.9	-0.1	BARN	comp=N,275nm,0.6s		IAML	02 02 03.6		ILSW	liamna South	3.57 250	Pn	02 01 41.4	+0.5	
HIN	hinchinbrook I	0.97 182	IAML		02 01 21.3		CAPN	captain Cook N	2.36 257	Pn	02 01 26.6	+2.5	ILSW	comp=E,91nm,0.6s		IAML	02 02 25.9		
HIN	comp=N,3um,0.3s		IAML		02 01 23.0		CAPN	captain Cook N	2.36 257	P	02 01 26.6	+2.5						02 02 26.7	
BMRM	Bremner River	0.98 113	P	Pb	02 01 03.9	-1.8	M27K	Edge Creek, AK	2.38 63	Pn	02 01 25.9	+1.3	COLA	College	3.58 350	P	Pn	02 01 41.2	+0.4
BMRM	Bremner River	0.98 113	P	Pb	02 01 03.9	-1.8	M27K	Edge Creek, AK	2.38 63	P	02 01 25.9	+1.3	BCPM	Bancas Point	3.64 110	Pn	Pn	02 01 41.6	-0.1
SML	Sawmill	1.00 297	Pn	Sb	02 01 17.8	-1.2	K24K	Donnelly Dome	2.47 7	Pn	02 01 28.0	+2.3	L20K	Farewell, AK	3.69 291	Pn	Pn	02 01 42.6	+0.2
SML	Sawmill	1.00 297	IAML		02 01 19.0		K24K	Donnelly Dome	2.47 7	P	02 01 28.0	+2.3	L20K	Farewell, AK	3.69 291	P	Pn	02 01 42.6	+0.2
SML	comp=N,3um,0.3s			Pn	02 01 04.8	-0.8	SKT	Skwentna	2.50 287	IAML	02 02 03.2		MDM	Murphy Dome	3.70 348	IAML	Pn	02 01 43.0	+0.5
SML	Sawmill	1.00 297	P	Pn	02 01 04.8	-0.8	SKT	Skwentna	2.50 287	Pn	02 01 26.8	+0.8	MDM	Murphy Dome	3.70 348	IAML		02 02 44.9	
SML	baz=115		S	Sb	02 01 17.8	-1.2	SKT	Skwentna	2.50 287	Pn	02 01 26.8	+0.8	MDM	comp=E,161nm,1.1s		IAML	02 02 46.4		
PWL	Port Wells	1.05 242	Pn	Pn	02 01 06.0	-0.1	MESA	MESA	2.51 116	Pn	02 01 26.6	+0.3	CHUM	comp=N,82nm,0.8s	3.71 316	Pn	Pn	02 01 43.4	+0.8
PWL	Port Wells	1.05 242	IAML		02 01 22.4		MESA	MESA	2.51 116	Pn	02 01 26.6	+0.3	CHUM	Lake Minchumin	3.71 316	P	Pn	02 01 43.4	+0.8
PWL	comp=N,1um,0.4s		IAML		02 01 24.4		CTG	Chitina Glacier	2.51 97	Pn	02 01 26.7	+0.4	P19K	Oil Pt	3.77 246	Pn	Pn	02 01 44.0	+0.6
PWL	Port Wells	1.05 242	P	Pn	02 01 06.0	-0.1	YAH	Yahtse	2.51 112	IAML	02 01 26.3	-0.1	P19K	Oil Pt	3.77 246	P	Pn	02 01 44.1	+0.6
GOAT	Goat Mountain	1.15 132	Pn	Pn	02 01 07.8	+0.3	YAH	Yahtse	2.51 112	IAML	02 02 04.4		POKR	Poker Plat Res	3.79 354	IAML	Pn	02 01 44.3	+0.5
WACK	Wrangeli Chich	1.19 57	Pn	Pn	02 01 07.9	-0.3	YAH	Yahtse	2.51 112	IAML	02 02 08.0		POKR	Poker Plat Res	3.79 354	IAML		02 02 48.2	
WACK	Wrangeli Chich	1.19 57	Pn	Pn	02 01 23.3	-0.2	CTGM	Chitina Glacie	2.51 97	IAML	02 02 08.0		POKR	Poker Plat Res	3.79 354	Pn	Pn	02 01 44.3	+0.5
HARP	HAARP	1.21 30	Pn	Pn	02 01 08.3	0.0	CTGM	Chitina Glacie	2.51 97	IAML	02 01 26.7	+0.3	M19K	Big River Lodg	3.83 282	Pn	Pn	02 01 44.5	+0.2
HARP	HAARP	1.21 30	P	Pn	02 01 24.8	+1.1	STLK	Strandline Lak	2.59 275	Pn	02 02 03.6		M19K	Big River Lodg	3.83 282	IAML		02 02 48.8	
HARP	HAARP	1.21 30	P	Pn	02 01 08.3	0.0	MCK	McKinley	2.64 335	Pn	02 01 28.3	+1.0	M19K	comp=N,94nm,0.7s		IAML	02 02 51.2		
HARP	baz=211		S	Sn	02 01 24.8	+1.1	MCK	McKinley	2.64 335	Pn	02 01 29.4	+1.4	M19K	Big River Lodg	3.83 282	Pn	Pn	02 01 44.6	+0.3
WASW	Wrangeli South	1.23 61	Pn	Pn	02 01 08.4	-0.4	BRSE	Bradley Lake S	2.67 234	Pn	02 01 29.3	+0.9	YKJU	Yakutat	3.84 116	Pn	Pn	02 01 44.9	+0.5
GHO	Glory Hole Cre	1.25 290	IAML		02 01 26.5		BRSE	Bradley Lake S	2.67 234	P	02 01 29.3	+0.9	PNL	Norito, Yukon-K	3.88 113	Pn	Pn	02 01 45.9	+0.8
GHO	Glory Hole Cre	1.25 290	IAML		02 01 26.5		SPCG	Spurr Capps Gl	2.69 271	Pn	02 01 29.8	+1.1	PNL	Peninsula	3.88 113	P	Pn	02 01 47.7	+2.7
GHO	comp=E,2um,0.6s		IAML		02 01 26.9		LOGN	Logan Glacier	2.70 99	IAML	02 01 30.0	+1.0	PNL	Peninsula	3.88 113	Pn	Pn	02 01 45.8	+0.8
GLB	Gilahina Butte	1.27 85	Pn	Pn	02 01 08.6	-0.6	LOGN	Logan Glacier	2.70 99	IAML	02 02 08.4		M29M	Somme Creek	3.93 71	Pn	Pn	02 01 46.8	+1.0
GLB	Gilahina Butte	1.27 85	IAML		02 01 28.9		LOGN	comp=N,249nm,0.5s		IAML	02 02 09.9		M29M	Somme Creek	3.93 71	P	Pn	02 01 46.8	+1.0
WAZA	Wrangeli Mount	1.31 56	Pn	Pn	02 01 10.0	+0.1	YUK2	White River	2.71 79	Pn	02 01 30.2	+1.1	N19K	Bonanza Creek	3.94 265	Pn	Pn	02 01 45.8	-0.2
PMR	Palmer	1.31 281	IAML		02 01 28.5		BRLK	Bradley Lake	2.72 236	IAML	02 02 03.1		N19K	Bonanza Creek	3.94 265	Pn	Pn	02 01 46.0	+0.1
PMR	Palmer	1.31 281	IAML		02 01 28.5		BRLK	comp=N,238nm,0.2s		IAML	02 02 03.5		AU22	Augustine Moun	3.97 243	Pn	Pn	02 01 47.1	+0.9
PMR	Palmer	1.31 281	P	Pn	02 01 10.0	+0.3	RKAV	comp=E,301nm,0.4s	2.72 111	Pn	02 01 29.7	+0.5	Q29M	Mount Kennedy	4.00 102	IAML		02 01 47.3	+0.6
PMR	Palmer	1.31 281	P	Pn	02 01 09.8	+0.3	SPCP	Crater Peak Br	2.75 270	Pn	02 01 30.5	+0.8	Q29M	Mount Kennedy	4.00 102	Pn	Pn	02 02 47.9	
RAGM	Ragged Mountai	1.31 138	Pn	Pn	02 01 10.2	+0.5	TRF	Thorofore Moun	2.75 321	IAML	02 01 30.7	+1.3	AUCH	Augustine Cone	4.01 242	Pn	Pn	02 01 47.3	+0.6
WAT6	Susitna Watana	1.36 334	Pn	Pn	02 01 09.9	-0.7	TRF	Thorofore Moun	2.75 321	Pn	02 02 07.6		I23K	Minto, Yukon-K	4.02 342	IAML		02 01 48.0	+1.1
WAT6	Susitna Watana	1.36 334	Pn	Pn	02 01 09.9	-0.7	TRF	comp=E,322nm,0.6s		IAML	02 02 14.9		I23K	Minto, Yukon-K	4.02 342	IAML		02 01 47.5	+0.7
P23K	Montague Islan	1.45 199	Pn	Pn	02 01 12.2	+0.6	TRF	Thorofore Moun	2.75 321	Pn	02 01 30.9	+1.3	I23K	comp=E,95nm,0.8s		IAML	02 02 54.5		
P23K	Montague Islan	1.45 199	Pn	Pn	02 01 12.2	+0.6	TABL	Table Mountain	2.75 107	IAML	02 01 29.9	+0.2	I23K	comp=N,106nm,0.8s	4.02 342	Pn	Pn	02 01 47.4	+0.5
VRDI	Verde Repeater	1.45 94	IAML		02 01 11.6	-0.2	TABL	Table Mountain	2.75 107	IAML	02 02 11.8		I23K	comp=N,106nm,0.8s	4.02 342	P	Pn	02 01 47.4	+0.5
VRDI	Verde Repeater	1.45 94	IAML		02 01 32.8		TABL	Table Mountain	2.75 107	IAML	02 02 11.8		O19K	Port Alsworth	4.03 257	Pn	Pn	02 01 46.9	-0.1
HMT	Hamilton	1.49 133	Pn	Pn	02 01 12.6	+0.5	L27K	Beaver Creek,	2.75 50	Pn	02 01 31.1	+1.5	O19K	Port Alsworth	4.03 257	Pn	Pn	02 01 47.2	+0.1
RC01	Rabbit Creek A	1.61 262	Pn	Pn	02 01 14.9	+1.0	L27K	Beaver Creek,	2.75 50	P	02 01 31.1	+1.5	SYI	Shuyak Island	4.07 230	IAML		02 01 48.6	+1.1
RC01	Rabbit Creek A	1.61 262	P	Pn	02 01 14.1	+0.2	SPCN	Chakachata No	2.77 270	Pn	02 01 31.1	+1.3	SYI	Shuyak Island	4.07 230	IAML		02 02 36.6	
MCARA	McCarthy VSAT	1.65 88	Pn	Pn	02 01 14.6	+0.2	BCAR	Chakachata No	2.77 270	Pn	02 01 31.1	+1.3	SYI	comp=N,67nm,0.5s		IAML	02 02 36.6		
MCARA	McCarthy VSAT	1.65 88	P	Pn	02 01 14.6	+0.2	N20K	Mount Spurr	2.79 269	P	02 01 30.8	+0.8	Q20K	Shuyak Island	4.07 230	P	Pn	02 01 48.6	+1.1
BERG	Berg Lake	1.66 125	Pn	Pn	02 01 14.6	+0.1	N20K	Mount Spurr	2.79 269	P	02 01 30.8	+0.8	K20K	Telida	4.08 303	IAML		02 01 47.8	+0.1
NICHA	Nichawak Mount	1.66 132	Pn	Pn	02 01 15.3	+0.8	SPCR	Spurr Chakacha	2.79 269	Pn	02 01 30.6	+0.9	K20K	Telida	4.08 303	IAML		02 02 54.1	
PAX	Paxson	1.68 15	Pn	Pn	02 01 15.3	+0.3	SPCR	Spurr Chakacha	2.79 269	P	02 01 30.6	+0.9	K20K	comp=E,130nm,0.9s		IAML	02 02 55.1		
PAX	Paxson	1.68 15	Pn	Pn	02 01 15.2	+0.3	SCRK	Sand Creek	2.86 22	Pn	02 01 32.0	+0.9	K20K	comp=N,64nm,0.8s		Pn	02 01 47.8	+0.1	
CRQM	Cirque	1.72 109	Pn	Pn	02 01 16.1	+0.6	SCRK	Sand Creek	2.86 22	P	02 01 32.0	+0.9	K20K	Telida	4.08 303	Pn	Pn	02 01 47.8	+0.1
KAIM	Kayak Island	1.75 144	IAML		02 01 16.0	+0.2	SPBG	Spurr Blockage	2.86 270	Pn	02 01 31.9	+0.8	L19K	White Mountain	4.08 285	Pn	Pn	02 01 47.9	+0.2
KAIM	Kayak Island	1.75 144	IAML		02 01 46.5		YUK3	Home Creek	2.90 79	Pn	02 01 32.5	+1.0	L19K	White Mountain	4.08 285	IAML		02 02 59.8	
KAIM	comp=E,685nm,0.5s		IAML		02 01 46.5		YUK3	Home Creek	2.90 79	P	02 01 32.6	+1.0	L19K	comp=N,64nm,1.0s		IAML	02 02 59.8		
KAIM	Kayak Island	1.75 144	P	Pn	02 01 16.2	+0.4	CNPM	China Poot	3.00 234	IAML	02 01 33.5	+0.6	L19K	comp=E,62nm,0.8s	4.08 285	Pn	Pn	02 01 47.8	0.0
DHY	Denali Highway	1.77 346	Pn	Pn	02 01 16.5	+0.3	CNPM	China Poot	3.00 234	IAML	02 02 12.6		L19K	White Mountain	4.08 285	P	Pn	02 01 47.8	0.0
DHY	Denali Highway	1.77 346	IAML		02 01 41.5		CNPM	comp=N,180nm,0.4s		IAML	02 02 12.5		YUK7	Dusty Glacier	4.14 98	Pn	Pn	02 01 49.5	+0.8
DHY	comp=N,421nm,0.3s		IAML		02 01 16.4	+0.3	SPNN	North Nagishia	3.01 273	Pn	02 01 33.9	+0.8	MLY	Manley	4.16 334	Pn	Pn	02 01 49.6	+0.8
DHY	Denali Highway	1.77 346	Pn	Pn	02 01 16.6	+0.5	RDY	Redoubt	3.01 257	Pn	02 01 33.5	+0.4	MLY	Manley	4.16 334	IAML		02 02 41.0	
WAT1	Susitna Watana	1.77 327	Pn	Pn	02 01 16.5	+0.5	KTH	Kantishna Hill	3.02 319	IAML	02 02 14.4		MLY	comp=N,92nm,0.4s		IAML	02 02 44.5		
WAT1	Susitna Watana	1.77 327	Pn																

baz=22 TWG Pinlang 0.20 161 Pg 0.20 161 P	Pg Pg	02 48 20.8 +0.8 02 48 20.7 +0.8	SCZT Fangliu baz=198	0.72 209 P	Pg	02 48 29.2 -0.8	LATG	S	Sn	02 49 05.7 -0.6
baz=151 TWG Beinan 0.20 159 P	Sg Pg	02 48 24.0 +1.5 02 48 20.7 +0.7	SCZT Yijiu baz=297	0.75 298 eP	Pb	02 48 31.2 -0.6	EWUT Wuta baz=32	1.60 26 P	Pn	02 48 44.4 -0.8
baz=151 TWGBT Chishang 0.22 66 P	Sg Pg	02 48 23.7 +1.0 02 48 21.2 +0.8	ICHU WVDT baz=18	0.75 10 P	eS	02 48 41.9 -0.5	EWUT Nanjiang baz=5.0	1.62 360 P	Pn	02 48 45.5 0.0
baz=75 ECS Haiduan 0.23 53 P	Sg Pg	02 48 25.3 +2.0 02 48 20.3 -0.4	SCLT Jiali baz=297	0.76 283 eP	Pb	02 48 31.6 -0.3	NSTT Wufeng Townshi baz=8.0	1.62 4 P	Pn	02 48 06.7 +0.5
baz=58 EHD Taoyuan 0.26 308 P	Sg Pg	02 48 23.9 +0.1 02 48 20.2 -1.1	EGFH Kaoshiung baz=229	0.78 236 eP	Sg	02 48 33.2 -0.6	NFF Emei baz=4.0	1.63 0 eP	Pn	02 48 45.8 +0.2
STYH Taoyuan baz=310	Sg	02 48 23.5 -1.3	SSLB Suanglung baz=1.0	0.78 357 P	Pg	02 48 31.4 +0.3	E0S4 E0S4 baz=35	1.64 47 P	Pn	02 48 44.0 -1.4
STYT Taoyuan baz=306	Pg	02 48 20.2 -1.2	CHN8 Yijiu baz=294	0.80 295 eP	Pg	02 48 29.6 -1.5	NDT Datong Townshi baz=35	1.66 16 P	Pn	02 48 46.2 +0.2
STYT Donghe baz=100	Sg	02 48 23.5 -1.6	CHN8 Yeheng baz=18	0.80 328 eP	Pg	02 48 31.7 +0.2	YHNB Yeheng baz=18	1.69 12 Pn 1.69 12 P	Pb eS	02 48 47.4 -0.4 02 48 47.0 +0.5
EDH Taitung baz=146	Pb	02 48 22.9 -0.9	WDLH Douliu baz=329	0.81 193 P	Pb	02 48 43.0 0.0	NSK Sanguang baz=17	1.69 11 P	Pb	02 48 47.3 -0.6
TTN Taitung baz=146	Pb	02 48 23.4 -0.4	WDLH Shizi baz=182	0.81 343 eP	Pb	02 48 43.8 0.0	NSK Dongshan baz=40	1.75 22 eP	Pb	02 49 09.1 -0.5
SLGT Liugu baz=258	Pg	02 48 21.8 -0.7	WJWS Zhushan baz=352	0.85 352 eP	Pg	02 48 32.0 +0.4	NDS E0S3 baz=24	1.75 43 eP	Pn	02 48 45.7 -1.5
FULB Fuli baz=62	eS	02 48 28.9 -1.3	WJWS Chigu Township baz=294	0.85 280 eP	Pg	02 48 31.3 -0.3	TWC Suao baz=30	1.77 26 P	Pn	02 48 46.9 -0.6
CHKT Chengkung baz=70	Pb	02 48 24.4 -0.5	TSCK Sun Moon Lake baz=8.0	0.88 354 eP	Pg	02 48 45.3 +0.1	SBCB Hsinchu baz=30	1.81 19 eP	Pb	02 48 47.1 -0.8
ECL Taimali baz=179	Sg	02 48 31.2 +0.5	TSCK Shulin baz=305	0.88 306 eP	Pg	02 48 33.0 +0.4	TWE Neicheng baz=41	1.81 19 eP	Sb	02 48 48.6 +0.5
SSD Sandimen baz=222	Sg	02 48 29.1 -0.3	WSL Sun Moon Lake baz=8.0	0.88 354 eP	Pg	02 48 46.9 -1.0	NWLT Wulai baz=3.0	1.82 14 eP	Pn	02 48 47.3 -0.6
SSD Ta-pu baz=304	Sg	02 48 28.3 -1.7	SMLT Shilin baz=36	0.90 26 eP	Pg	02 48 44.9 +0.6	FUSB Fushanzhiwuyua baz=35	1.82 17 eP	Pn	02 48 48.0 -0.2
WTP Yuli baz=56	Sg	02 48 23.8 -0.6	WJWS Yuchr baz=5.0	0.90 352 eP	Pg	02 48 47.0 +1.0	ILA Ilan baz=39	1.88 21 eP	Pn	02 48 47.2 -1.8
TWF1 Yuli baz=56	Sg	02 48 24.3 -0.2	TYC Mingjian baz=345	0.92 341 P	Pg	02 48 33.4 +0.4	NHHD Xindian Distri baz=358	2.00 14 eP	Pn	02 48 52.0 -1.2
TSMG Majia baz=218	Pg	02 48 23.5 -1.2	WNT Szu baz=311	0.95 311 eP	Pg	02 48 37.0 -0.6	TATO Taipei EGS	2.01 13 2.02 25 eP	Pb eS	02 48 51.7 +0.9 02 48 52.0 +1.1
EYUL Yuli baz=48	Pg	02 48 24.5 -0.2	WSF Renai baz=5.0	0.96 10 eP	Pg	02 48 33.0 0.0	TWA Miaha baz=37	2.02 15 eP	Pb	02 48 53.4 -0.3
TPUB Ta-pu baz=313	Pg	02 48 24.2 -0.6	WJWS Hengchun baz=198	1.03 194 eP	Pg	02 48 45.9 -0.2	TWS1 Kuangyinshan baz=13	2.12 10 eP	Pn	02 48 53.3 +0.9
YULB Yu-li baz=51	Pg	02 48 30.2 -1.1	WCS Being Elemen baz=7.0	1.05 355 P	Pg	02 48 32.4 -1.0	NWF Wu-fen Shan baz=36	2.17 19 eP	Pn	02 48 53.2 0.0
CHN1 Nanshi baz=297	Pg	02 48 24.9 -0.3	WCS Tomen baz=39	1.05 25 eP	Pg	02 48 32.9 -0.5	ANP Anpu baz=356	2.22 12 eP	Pn	02 48 54.8 +1.0
CHN1 Cishan baz=244	Pg	02 48 30.0 -0.9	WRL Guolierlin Hig baz=330	1.06 327 eP	Pg	02 48 45.9 +0.7	SKH1 Grass Mountain baz=37	2.23 21 eP	Pb	02 48 55.5 -1.5
SCST Mashbuluo baz=213	Pg	02 48 25.0 -1.1	CHGB Renai baz=32	1.06 9 eP	Pg	02 48 33.9 +0.2	JYNG Yonagunijimaku YOJ	2.29 51 P 2.34 51 P	Pn eS	02 48 54.0 -0.7 02 49 22.0 -1.3
ALS Alishan baz=346	Pg	02 48 31.5 -1.4	TWK1 Hengchun baz=187	1.07 190 eP	Pg	02 48 47.0 -0.3	YOJ Yonagunijimaku KIN	2.34 51 P 2.74 301 eP	Pn eS	02 48 54.5 -0.8 02 48 54.8 -0.6
TWK Hsinying baz=304	Pg	02 48 26.2 -0.3	TWK1 Hengchun baz=187	1.08 189 eP	Pg	02 48 33.9 -0.6	KNMB Chin-men Tao Iriomote-Funau	2.80 302 P 2.83 62 P	Pn P	02 49 03.1 -0.8 02 49 33.9 -2.7
SGLT Jiouru baz=231	Pg	02 48 33.3 -0.3	LXIB Xiulin Townshi baz=36	1.08 20 eP	Pg	02 48 47.8 -0.4	OZH Quanzhou KRS Kuro-shima	2.93 312 Pn 2.93 312 Sn 3.02 65 eP	Pn Sn P	02 49 03.5 -0.8 02 49 35.5 -3.6 02 49 38.7 -2.6
WCKO Faru baz=329	Pg	02 48 26.7 -0.3	WTCT Ta-ch'eng baz=322	1.08 322 eP	Pg	02 48 32.6 -1.9	JKRS Ishigaki jima JIJ	3.18 64 P 3.27 343 eP	Pn eS	02 49 05.6 -1.3 02 49 06.7 -1.5
TWM1 Shoushan baz=240	Pg	02 48 27.3 +0.3	LAY Lan-yu baz=149	1.09 152 eP	Pg	02 48 33.4 -1.7	MATB Ma-tsu baz=347	3.41 62 P	Pn	02 49 09.3 -0.8
EHY Hungye baz=37	Pg	02 48 26.6 -0.6	HWA Hwallen baz=45	1.11 30 eP	Pg	02 48 35.9 -0.5	JISG Ishigakijimahi JISG	3.41 62 P 3.76 64 eP	Pn eS	02 49 08.7 -2.3 02 49 14.0 -0.9
CHN3 Shinhua baz=275	Pb	02 48 28.7 -0.3	LYUB Lan-yu baz=149	1.14 152 eP	Pg	02 48 34.8 -1.7	JTJ Tarama JTJ	3.76 64 eP 6.38 265 Pn	Pn Sn	02 49 57.3 -2.2 02 49 57.8 +0.8
SHHT Tainan City baz=268	Pb	02 48 28.9 -0.4	WHF Hehuan Shan baz=12	1.16 12 eP	Pg	02 48 36.9 +0.2	HONG KONG PO S KUNMAMI	6.38 265 Pn 7.62 59 Pn	Pn Pn	02 48 54.8 -0.6 02 49 23.0 -1.6
HGSD Ruisui baz=36	Pg	02 48 28.3 +0.2	TCU Taichung baz=349	1.17 345 eP	Pb	02 48 51.9 +0.3	KNMB Kungami 2.2mm,0.3s,baz=124,slow=21,SNR=5.4 9.3mm,0.5s	7.62 59 Pn 16.81 281 P	Pn P	02 50 05.6 -2.4 02 50 05.5 -2.4
EAST Anshou baz=188	Pg	02 48 28.1 -0.3	TWD Chiawen baz=46	1.20 27 eP	Pg	02 48 51.9 +0.3	NJ2 Nanjing NJ2	9.21 349 eP 9.21 349 eP	Pn Pn	02 50 29.7 0.0 02 50 32.6 +2.9
TAW Ta-wu baz=184	Pg	02 48 36.9 +0.3	TDCB Tech baz=10.0	1.25 7 eP	Pg	02 48 36.7 -1.6	NJ2 Nanjing GULI	9.21 349 eP 9.97 285 P	Pn Pn	02 50 36.5 +6.8 02 50 53.4 +1.3
SNJT Kaoshiung City baz=242	Pb	02 48 30.8 +0.5	TWTT Taechien baz=10.0	1.25 7 eP	Pg	02 48 35.7 -1.1	LYN LuoYang XAN Xi'an	13.71 329 P 15.27 319 P	P P	02 51 30.4 -1.0 02 51 57.0 -0.6
SSHA Shanhu baz=293	Pb	02 48 40.1 +1.6	FUSF Fushou baz=14	1.27 358 eP	Pg	02 48 36.9 0.0	HNS HongShan KRSR Korea Array	15.33 341 P 15.58 21 Pn	Pn Pn	02 52 01.0 +2.8 02 51 53.6 -2.7
TAWH Dawu Township baz=185	Pg	02 48 29.0 -0.1	WHP Taichung City baz=3.0	1.27 358 eP	Pg	02 48 35.2 -1.8	KRSR Korea Array 0.2mm,0.3s,baz=196,slow=13,SNR=7.6 3.5mm,0.8s	15.58 21 Pn 15.58 21 Pn	Pn Pn	02 51 58.2 +1.6 02 51 58.2 +1.6
WHYT Xinyi Township baz=352	Sg	02 48 38.2 +0.5	ETLH Xiulin Townshi baz=25	1.27 20 eP	Pg	02 48 37.1 -0.3	KMI Kunming CD2 Chengdu	16.81 281 P 17.26 301 P	Pn P	02 52 12.5 -0.2 02 52 23.6 +3.9
CHN2 Minshiang baz=318	Pb	02 48 30.6 -0.5	ETLH Fush Village baz=25	1.28 26 eP	Pg	02 48 38.0 0.0	CD2 Chengdu BJT Baijiatuu	17.26 301 P 17.45 348 P	Pn P	02 52 23.6 +3.9 02 52 21.8 +0.2
TAI Yung-k'ang baz=271	Pb	02 48 31.7 +0.6	ETL NACB Ninganchiao baz=44	1.28 25 P	Pg	02 48 39.1 -1.7	KMI Kota Kinabalu KKM	17.45 348 P 17.48 196 P	Pn Iamb	02 52 21.8 +0.2 02 52 30.0
CHY Chiayi baz=313	Pg	02 48 40.2 +0.9	TWQ1 Liyutan baz=35	1.35 351 eP	Pb	02 48 38.9 -1.7	PZH PanZhihua MYLMD Lahad Datu	16.81 281 P 17.83 285 P	Pn P	02 52 12.5 -0.2 02 52 28.5 +2.3
			PHUB Peng-hu baz=289	1.41 291 eP	Pn	02 48 42.0 -0.1	INU Inunama CRAI Chiangrai	17.83 285 P 19.38 266 P	Pn P	02 52 26.1 +0.2 02 52 31.2 -3.0
			PNG Penghu baz=291	1.44 293 eP	Pn	02 48 42.2 +0.1	HHC Hu-ho-hao-te HHC Hu-ho-hao-te	19.38 266 P 19.49 338 P	Pn P	02 52 43.0 -0.1 02 52 52.2 +6.8
			PNG Datong baz=32	1.46 14 P	Pn	02 48 42.0 -0.4	HHC Hu-ho-hao-te HHC Hu-ho-hao-te	19.49 338 sP 19.49 338 sS	Pn sS	02 52 58.3 +1.1 02 56 32.6 +7.6
			VCHM Oimei baz=289	1.46 278 P	Pn	02 48 42.0 -0.4	MAJO Matushiro 20.08 44 P	20.08 44 P 21.11 262 P	Pn P	02 56 36.8 +9.4 02 52 49.4 +1.2
			NNS Nan Shan baz=33	1.47 13 eP	Pn	02 48 42.0 -0.4	MAJO Matushiro comp=Z,1.9nm,1.2s	20.08 44 P 20.08 44 P	Pn P	02 52 58.1 -1.1 02 52 53.9 -1.5
			NMLH Miaoili baz=356	1.54 353 eP	Pn	02 48 42.0 -0.4	MJB9 Matsu-Tunnel MJAR Matushiro Arr	20.63 280 eP 20.63 280 eP	Pn Pn	02 52 58.1 -1.1 02 56 42.5 -5.8
			ENA Nanau baz=29	1.57 25 eP	Pn	02 48 42.0 -0.4	TNCH TengChong TNCH TengChong	20.63 280 eP 21.02 263 P	Pn P	02 52 58.1 -1.1 02 53 02.3 +1.4
			LATG Datong baz=38	1.59 17 P	Pn	02 48 42.0 -0.4	CHTO Chiang Mai CN2 Changchun	21.02 263 P 21.06 9 P	Pn P	02 53 02.3 +1.4 02 53 07.4 +6.2
						02 48 42.0 -0.4	CMAR Chiang Mai Arr 21.11 262 P	21.11 262 P 21.11 262 P	Pn P	02 53 02.9 +0.9 02 53 02.9 +0.9
						02 48 42.0 -0.4	CMAR Chiang Mai Arr comp=Z,3.5nm,0.3s,baz=63,slow=9.1,SNR=13	21.11 262 P 21.11 262 P	Pn P	02 53 02.9 +0.9 02 53 02.9 +0.9
						02 48 42.0 -0.4	TOLIZ Tolitoli TOLIZ	21.77 181 P 21.77 181 P	P Iamb	02 53 07.9 -1.1 02 53 14.3
						02 48 42.0 -0.4	SBUM Sibiu SBUM	22.14 204 P 22.14 204 P	P Iamb	02 53 12.3 -0.7 02 53 16.7
						02 48 42.0 -0.4	GTOI Gorontalo comp=Z,2.4nm,1.5s	22.32 175 P 22.32 175 P	P P	02 53 16.0 +1.1 02 53 19.0 +3.1
						02 48 42.0 -0.4	MRSI Marisa comp=Z,3.8nm,1.7s,comp=Z,1um	22.41 178 P 22.48 172 P	P P	02 53 16.0 +1.1 02 53 15.9 -0.8
						02 48 42.0 -0.4	MPSI Mapaga comp=Z,1.1nm,0.7s	22.56 183 P 22.56 183 P	P P	02 53 14.4 -3.0 02 53 14.4 -3.0
						02 48 42.0 -0.4	TNTI Ternate TNTI	22.95 163 P 22.95 163 P	P Iamb	02 53 20.1 -1.5 02 53 33.8
						02 48 42.0 -0.4	USRK Ussuriysk Ar. USRK Ussuriysk Ar.	22.99 21 P 22.99 21 P	P P	02 53 20.2 -1.6 02 53 23.3 +1.5
						02 48 42.0 -0.4	KSM Kuching LUWI Luwuk	23.79 207 P 23.97 176 P	P P	02 53 29.4 -0.6 02 53 32.1 +0.4
						02 48 42.0 -0.4	LBMI Labuha comp=Z,7.9nm,1.4s,comp=Z,8um	24.34 164 P 24.34 164 P	P P	02 53 38.5 +3.3 02 53 44.4 -0.1
						02 48 42.0 -0.4	SANI Sanana SHL Shillong	25.38 168 P 26.64 281 P	P Iamb	02 53 44.4 -0.1 02 53 55.9 -0.4
						02 48 42.0 -0.4	SHL Shillong comp=Z,2.1nm,1.4s	26.64 281 P 26.64 281 P	P Iamb	02 53 55.9 -0.4 02 54 10.2

SCZT	baz=199	eS	Sg	02 49 23.2 -0.3
CHN2	Minshiang	0.72 318 eP	Pb	02 49 15.3 +0.1
CHY	Chiyai	0.73 314 eP	Pb	02 49 14.9 -0.4
CHY	baz=315	eS	Sb	02 49 25.8 +0.5
TAI	Tainan	0.74 270 eP	Pb	02 49 15.3 -0.1
TAI	baz=268	eS	Sn	02 49 28.4 0.0
ICHU	Yijhu	0.75 299 eP	Pb	02 49 15.9 +0.2
ICHU	baz=312	eS	Sb	02 49 27.3 +1.1
SCLT	Jiali	0.76 284 eP	Pb	02 49 16.1 +0.2
SCLT	baz=297	eS	Sn	02 49 28.7 -0.3
WSSB	Gushan	0.76 243 eP	Pn	02 49 17.6 +0.1
WSSB	baz=239	eS	Sn	02 49 30.3 +1.1
KAU	Kaohsiung	0.77 236 eP	Pn	02 49 17.3 -0.2
VWDT	VWDT	0.77 10 P	Pg	02 49 14.7 -0.6
VWDT	baz=17	S	Sg	02 49 25.7 +0.4
SSLB	Suanguang	0.79 357 eP	Pg	02 49 15.4 -0.3
SSLB	Suanguang	0.79 357 eP	Pg	02 49 15.2 -0.5
SSLB	baz=40	eS	Sg	02 49 25.4 -0.6
WGK	Gukung	0.80 330 eP	Pb	02 49 16.3 -0.2
WGK	baz=332	eS	Sb	02 49 28.0 +0.7
SLIU	Shizi	0.80 193 eP	Pg	02 49 15.2 -0.6
CHN8	Yiju	0.80 296 eP	Pb	02 49 16.6 0.0
CHN8	baz=296	eS	Sb	02 49 28.2 +0.6
WARBT	Fenglin Townsh	0.80 26 P	Pg	02 49 15.4 -0.5
WARBT	baz=37	eS	Sg	02 49 25.7 -0.7
WDLH	Douliu	0.81 329 eP	Pb	02 49 16.5 -0.2
WDLH	baz=330	eS	Sb	02 49 28.7 +0.9
TSCK	Chigu Township	0.85 280 eP	Pb	02 49 17.7 +0.3
TSCK	baz=295	S	Sn	02 49 31.7 +0.4
WJS	Zhushan	0.86 343 eP	Pb	02 49 17.5 -0.1
WJS	baz=345	eS	Sg	02 49 30.5 -1.0
TWP	Hsiaoliuchiu	0.87 222 eP	Pn	02 49 20.3 +1.4
WSL	Shuiin Townsh	0.88 307 P	Pb	02 49 17.9 0.0
WSL	baz=307	eS	Sn	02 49 31.1 -0.8
SMLT	Sun Moon Lake	0.89 354 eP	Pb	02 49 18.0 -0.1
SMLT	baz=7.0	eS	Sb	02 49 31.0 +0.9
WTK	Tuku	0.89 321 eP	Pb	02 49 18.2 +0.2
WTK	baz=322	eS	Sn	02 49 31.4 -0.8
ESL	Shilin	0.91 26 eP	Pg	02 49 17.4 -0.5
ESL	baz=35	eS	Sg	02 49 29.0 -0.7
TYC	Yuchr	0.91 352 P	Pg	02 49 18.2 +0.2
TYC	baz=4.0	S	Sn	02 49 32.0 -0.8
WNT	Mingjian	0.92 342 eP	Pb	02 49 18.6 -0.1
WNT	baz=345	eS	Sb	02 49 32.1 +1.0
WNT1	Nantou City	0.95 342 eP	Pg	02 49 18.6 -0.2
WSF	Szhu	0.96 312 eP	Pg	02 49 18.8 -0.1
WSF	baz=312	eS	Sb	02 49 32.9 +0.9
OWD	Renai	0.97 10 eP	Pg	02 49 17.7 -1.4
OWD	baz=3.0	eS	Pg	02 49 18.9 -0.8
WUSB	Renai	1.00 6 eP	Sb	02 49 33.8 +0.4
WUSB	baz=21	S	Pg	02 49 19.8 -0.2
WPL	Puli Township	1.01 358 eP	Pg	02 49 21.4 +0.5
HEN	Hengchun	1.01 194 eP	Pn	02 49 21.0 -0.2
WYL	Yuanlin Townsh	1.03 338 eP	Pn	02 49 21.0 +0.8
WYL	baz=326	eS	Pg	02 49 20.3 -0.1
DPDB	Guoxing	1.03 356 eP	Pg	02 49 20.3 -0.1
DPDB	baz=359	eS	Sn	02 49 35.4 -0.6
WCS	Beigang Elemen	1.06 356 eP	Pg	02 49 20.5 -0.3
WCS	baz=6.0	eS	Sn	02 49 35.9 -0.5
TWK1	Hengchun	1.06 190 eP	Pn	02 49 22.2 +0.6
TWKBT	Hengchun	1.06 189 eP	Pn	02 49 21.6 +0.1
RLNB	Erlin	1.07 327 eP	Pb	02 49 21.3 +0.2
RLNB	baz=328	eS	Sb	02 49 35.1 -0.1
WRL	Guolierlin Hig	1.07 328 eP	Pg	02 49 21.0 0.0
WRL	baz=329	eS	Sb	02 49 35.5 +0.4
ETM	Tongmen	1.07 25 eP	Pg	02 49 20.1 -0.9
ETM	baz=32	eS	Sg	02 49 34.5 -0.4
CHGB	Renai	1.07 9 eP	Pg	02 49 20.1 -1.0
CHGB	baz=21	eS	Sb	02 49 36.0 +0.5
WMLT	Mailiao	1.07 319 eP	Pg	02 49 20.8 -0.3
WMLT	baz=319	S	Sb	02 49 35.8 +0.4
WTCT	Ta-cheng	1.09 323 eP	Pg	02 49 20.7 -0.7
WTCT	baz=324	eS	Sn	02 49 36.5 -0.6
LXIB	Xiulin Townshi	1.09 20 P	Pg	02 49 20.8 -0.7
LXIB	baz=25	eS	Sg	02 49 34.8 -0.8
HWA	Hwaiin	1.12 30 eP	Pg	02 49 21.7 -0.4
HWA	baz=33	eS	Sn	02 49 37.8 -0.2
LYUB	Lan-yu	1.13 151 eP	Pg	02 49 21.8 -0.3
WCHH	Zhanghua	1.15 340 eP	Pn	02 49 23.4 +0.6
WCHH	baz=326	eS	Sn	02 49 38.8 +0.1
WHF	Hehuan Shan	1.17 12 eP	Pg	02 49 21.9 -1.2
WHF	baz=30	eS	Sn	02 49 39.4 -0.4
TCU	Taichung	1.18 346 eP	Pb	02 49 23.0 -0.1
TCU	baz=349	eS	Sn	02 49 40.7 +1.2
TWD	Chiawan	1.21 27 eP	Pb	02 49 22.7 -0.9
TWD	baz=40	eS	Sg	02 49 39.4 -0.1

WDGT	Dungji	1.26 282 eP	Pn	02 49 23.1 -1.1
WDGT	baz=280	eS	Sb	02 49 39.9 -0.8
TDCB	Techi	1.26 7 eP	Pb	02 49 24.0 -0.4
TDCB	baz=16	eS	Sn	02 49 42.3 +0.7
TWT	Tachien	1.26 7 eP	Pn	02 49 24.0 -0.5
TWT	baz=16	S	Sn	02 49 41.7 0.0
WHP	Taihung City	1.28 358 eP	Pb	02 49 24.7 0.0
WHP	baz=7.0	eS	Sn	02 49 42.4 +0.5
ETLH	Xiulin Townshi	1.28 20 eP	Pn	02 49 23.9 -0.8
ETLH	baz=24	eS	Sb	02 49 41.5 -0.1
ETL	Fush Village	1.29 26 eP	Pn	02 49 24.2 -0.6
ETL	baz=40	eS	Sn	02 49 41.9 +0.1
NACB	Ninganchiao	1.29 25 Pn	Pn	02 49 23.8 -1.0
NACB	Ninganchiao	1.29 25 eP	Pb	02 49 24.2 -0.6
NACB	baz=30	eS	Sn	02 49 40.5 -1.2
TWQ1	Liyutan	1.36 351 eP	Pb	02 49 26.4 +0.2
TWQ1	baz=355	eS	Sg	02 49 44.8 +0.5
WDJ	Dajia District	1.39 346 eP	Pg	02 49 26.9 -0.2
WDJ	baz=349	eS	Sg	02 49 47.0 +2.0
PHUB	Peng-hu	1.41 292 eP	Pn	02 49 24.9 -1.4
PHUB	baz=290	eS	Sn	02 49 43.5 -1.5
NSY	Sanyi	1.43 351 eP	Pg	02 49 28.1 +0.1
NSY	baz=355	eS	Sg	02 49 48.0 +1.5
PNG	Penghu	1.44 293 eP	Pn	02 49 25.5 -1.3
PNG	baz=292	eS	Sn	02 49 44.6 -1.2
VCHM	Qimei	1.46 279 P	Pn	02 49 26.2 -0.8
VCHM	baz=290	eS	Sn	02 49 44.9 -1.4
NNSB	Datong	1.47 14 P	Pn	02 49 27.4 +0.1
NNSB	baz=28	S	Sn	02 49 47.6 0.0
NNSH	Datong	1.47 14 eP	Pn	02 49 26.9 -0.4
NNSH	baz=31	eP	Pb	02 49 28.1 0.0
EHP	Heping Village	1.48 27 eP	Pn	02 49 27.7 +0.3
NNS	Nan Shan	1.48 13 eP	Sg	02 49 48.2 +0.1
ENA	Nanau	1.58 25 eP	Pn	02 49 28.9 +0.2
ENA	baz=31	eS	Sn	02 49 49.3 0.0
LATG	Datong	1.61 17 eP	Pn	02 49 29.4 +0.2
LATG	baz=34	eS	Sb	02 49 50.5 -0.3
EWUT	Wuta	1.61 26 eP	Pn	02 49 29.6 +0.4
EWUT	baz=31	eS	Sb	02 49 50.5 -0.3
NSTT	Nanjiang	1.63 0 eP	Pb	02 49 52.9 +0.1
NSTT	baz=3.0	eP	Sg	02 49 31.6 -0.4
LIQB	Emei	1.64 1 eP	Pb	02 49 52.9 -0.4
LIQB	baz=3.0	eS	Pb	02 49 30.8 -0.6
NDT	Datong Townshi	1.67 16 eP	Pb	02 49 52.3 -0.3
NDT	baz=35	eS	Sb	02 49 31.4 -0.2
NJUN	Zhunan	1.68 356 eP	Sg	02 49 54.2 -0.5
NJUN	baz=359	eP	Pb	02 49 31.3 -0.7
YHNB	Yeheng	1.70 12 Pn	Pb	02 49 31.6 -0.4
YHNB	Yeheng	1.70 12 eP	Sb	02 49 53.1 -0.5
NSK	Sanguang	1.71 11 eP	Pb	02 49 31.5 -0.5
NSK	baz=15	eS	Sb	02 49 54.4 +0.7
ENTT	Nicou	1.72 18 eP	Pb	02 49 32.0 -0.3
ENTT	baz=35	eP	Pg	02 49 33.6 -0.1
NJD	Zhudong	1.73 3 eP	Pb	02 49 32.9 0.0
NJD	baz=5.0	eP	Pb	02 49 32.9 0.0
NDS	Dongshan	1.76 22 eP	Pb	02 49 34.4 -0.1
NDS	baz=39	eP	Pb	02 49 32.7 -0.7
HSN1	Hsinchu	1.77 1 eP	Pg	02 49 36.2 +0.4
TWC	Suao	1.79 26 eP	Pb	02 49 34.7 -0.1
TWC	baz=31	eS	Pb	02 49 33.5 -0.5
SBCB	Hsinchu	1.79 360 eP	Pb	02 49 34.3 +0.1
SBCB	baz=344	eP	Pb	02 49 59.2 -0.2
TWE	Neicheng	1.82 20 eP	Pb	02 49 34.2 -0.1
NWLT	Wulai	1.83 15 eP	Pb	02 49 57.6 +0.2
NWLT	baz=33	eS	Sb	02 49 34.6 -0.6
FUSB	Fushanzhiwuyua	1.84 17 eP	Pb	02 49 36.9 +0.3
FUSB	baz=35	eS	Sb	02 49 36.4 -0.7
ILA	Ilan	1.89 21 eP	Pb	02 49 39.0 -0.1
ILA	baz=38	eP	Pb	02 49 35.8 +1.1
NCUH	Xinongli	1.97 5 eP	Pb	02 49 38.1 +0.7
NHW	Zhou Township	2.00 1 eP	Pb	02 50 05.4 -0.1
NTY	Taoyuan	2.01 8 eP	Pg	02 49 37.8 -0.1
NTY	baz=10	eP	Pn	02 49 40.6 -0.8
TATO	Taipei	2.02 13 Pn	Pn	02 49 40.8 -0.2
TATO	Taipei	2.02 13 eP	Pb	02 49 41.1 +0.5
TATO	baz=31	eS	Sg	02 49 40.4 -0.8
TWA	Mucha	2.05 15 eP	Pb	02 49 40.3 -1.0
TWA	baz=358	eP	Sn	02 49 38.3 -0.3
TWS1	Kuangyinshan	2.13 10 eP	Pg	02 50 06.0 -1.1
TWS1	Sano Chiao	2.20 24 eP	Pb	02 49 41.8 -0.9
YMO1	YMO1	2.20 14 eP	Pb	02 49 38.7 -0.6
ANP	Anpu	2.23 12 eP	Pb	02 49 39.0 -0.3
ANP	baz=34	eP	Pb	02 49 38.0 -1.1
SX11	Grass Mountain	2.24 21 eP	Pb	02 49 41.8 -0.9
YMO8	YMO8	2.25 14 eP	Pb	02 49 38.7 -0.6
YMO8	baz=34	eP	Pb	02 49 39.0 -0.3
JYNG	Yonagunijimaku	2.30 51 P	Pn	02 50 07.0 -1.3
JYNG	Yonagunijimaku	2.30 51 eP	Pn	02 49 38.6 -0.7
JYNG	comp=E,8.0nm,3.1s,comp=N,10.0nm,5.5s	2.34 14 eP	Pb	02 49 38.7 -0.6
YOJ	Yonaguni jima	2.35 51 Pn	Pn	02 49 38.7 -0.6
YOJ	Yonaguni jima	2.35 51 S	Pn	02 49 38.7 -0.6
YOJ	Yonaguni jima	2.35 51 A	Pn	02 49 38.7 -0.6
YOJ	comp=E,8.0nm,5.0s,comp=N,9.0nm,6.3s	2.35 51 eP	Pn	02 49 38.7 -0.6
YOJ	Yonaguni jima	2.35 51 P	Pn	02 49 38.7 -0.6

HATJ	Hateruma jima	2.79 67 P	Pn	02 49 44.8 -0.5
HATJ	Hateruma jima	2.79 67 A	Sn	02 50 18.0 -1.0
HATJ	Hateruma jima	2.80 20 eP	A	02 49 44.8
PCYT	Pengchayiu	2.80 20 eP	Pn	02 49 47.5 +2.1
IRIF	Iriomote-Funau	2.84 61 P	Pn	02 49 46.1 +0.1
IRIF	Iriomote-Funau	2.84 61 A	Sn	02 50 19.4 -0.9
IRIF	Iriomote-Funau	2.84 61 A	A	02 49 46.1
QZH	Quanzhou	2.93 312 smax	smax	
QZH	Quanzhou	2.93 312 smax	smax	
QZH	Quanzhou	2.93 312 ePn	Pn	02 49 48.2 +0.9
QZH	Quanzhou	2.93 312 Sn	Sn	02 50 22.2 -0.4
QZH	Quanzhou	2.93 312 smax	smax	
QZH	Quanzhou	2.93 312 smax	smax	
JKRS	Kuro-shima	3.03 65 P	Pn	02 49 48.4 -0.2
JKRS	Kuro-shima	3.03 65 S	Sn	02 50 23.8 -1.2
JKRS	Kuro-shima	3.03 65 A	A	02 49 48.4
JJU	Ishigaki jima	3.19 64 S	Pn	02 49 50.8 0.0
JJU	Ishigaki jima	3.19 64 S	Sn	02 50 28.2 -0.8
MATB	Ma-tsu	3.28 343 eP	Pn	02 49 51.4 -0.7
MSUT	Lienchiang	3.31 343 eP	Pn	02 49 52.4 -0.1
JISG	Ishigakijimahi	3.42 62 P	Pn	02 49 53.5 -0.5
JISG	Ishigakijimahi	3.42 62 S	Sn	02 50 33.5 -1.3
JTJ	Tarama	3.77 64 S	Sn	02 50 42.2 -1.1
JMJ	Miyako jima 2	4.33 64 eP	Pn	02 50 06.5 0.0
VDOS	Pratas Island	4.57 241 eP	Pn	02 50 09.9 +0.1
VDOS	Pratas Island	4.57 241 eP	Pn	02 50 09.9 +0.1
HKPS	Hong Kong Po S	6.37 265 Pn	Pn	02 50 35.1 +0.5
GZH	Guangzhou	7.05 272 smax	smax	
GZH	Guangzhou	7.05 272 Pn	Pn	02 50 41.1 -2.8
GZH	Guangzhou	7.05 272 S	Sn	02 51 59.6 -4.6
GZH	Guangzhou	7.05 272 smax	smax	
JOW	Kunigami	7.63 58 Pn	Pn	02 50 49.7 -2.2
JOW	Kunigami	7.63 58 Pn	Pn	02 50 49.3 -2.5
JOW	comp=N,4.0nm,0.3s, baz=116,slow=19,SNR=2.4	Sn	Sn	02 52 18.0 -0.5
SSE	Sheshan	8.07 1 LR	LR	

3d 2h

Table with columns for station code, name, frequency, and various signal quality metrics (pmax, LR, SNR, etc.). Includes stations like HNS, KMI, CD2, etc.

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Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like CM31, CMAR, XLT, etc.

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Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like MAKZ, PRZ, PETK, etc.

PWL	Port Wells	43.57	41	P	P	03 53 10.5 +0.3
POKR	Poker Plat Res	43.58	35	P	P	03 53 11.7 +1.4
WATE	Susitna Watana	43.65	39	P	P	03 53 11.5 +0.4
M23K	Glacier View	43.75	40	P	P	03 53 11.9 +0.3
DHY	Denali Highway	43.77	38	Iamb	Iamb	03 53 14.4
DHY	Denali Highway	43.77	38	P	P	03 53 12.5 +0.5
ILAR	Eielson Array	43.84	35	P	P	03 53 12.5 +0.2
ILAR	comp-Z, 95nm, 18.9s, baz=264, slow=39				LR	04 13 42.9
HDA	Harding Lake	43.84	36	Iamb	Iamb	03 53 13.7
HDA	Harding Lake	43.84	36	P	P	03 53 12.3 -0.1
LSA	Lhasa	43.85	271	P	P	03 53 14.0 +0.5
LSA	Lhasa	43.85	271	P	P	03 53 14.0 +0.5
LSA	comp-Z, 17nm, 0.9s				pmax	
KKM	Kota Nababu	43.86	222	P	P	03 53 13.1 0.0
D25K	Kavik River	43.87	29	P	P	03 53 12.2 -0.4
SCM	Sheep Creek Mo	43.93	40	Iamb	Iamb	03 53 19.1
SCM	Sheep Creek Mo	43.93	40	P	P	03 53 13.9 +0.7
G25K	Bearman Lake	44.04	32	P	P	03 53 14.9 +1.0
P23K	Montague Island	44.15	42	P	P	03 53 15.6 +0.8
GLI	Glacier Island	44.17	41	Iamb	Iamb	03 53 16.5
GLI	Glacier Island	44.17	41	P	P	03 53 15.4 +0.3
TNTI	Ternate	44.17	204	P	P	03 53 15.2 -0.3
TNTI	Ternate	44.17	204	P	P	03 53 15.8 +0.3
F25K	Christian River	44.18	31	P	P	03 53 15.9 +0.8
H25L	Birch Creek	44.18	33	P	P	03 53 16.5 +1.5
E25K	Arctic Village	44.19	30	Iamb	Iamb	03 53 17.1
E25K	Arctic Village	44.19	30	P	P	03 53 15.6 +0.5
KURK	Kurchatov	44.24	304	P	P	03 53 15.1 -0.6
KURK	Kurchatov	44.24	304	P	P	03 53 15.1 -0.6
KURK	Kurchatov	44.24	304	P	P	03 53 15.1 -0.6
KURK	comp-Z, 22nm, 0.9s				pmax	
KURK	Kurchatov	44.24	304	P	P	03 53 15.1 -0.6
KURRB	Kurchatov Arra	44.32	304	P	P	03 53 15.6 -0.8
KURRB	comp-Z, 19nm, 0.7s, baz=76, slow=8.9, SNR=70				ScP	
KURRB	comp-Z, 1.5nm, 0.3s, baz=74, slow=3.3, SNR=4.7				LR	04 12 23.7
PRP	Porcupine Dome	44.35	34	P	P	03 53 17.7 +1.1
C26K	Camden Bay	44.38	28	P	P	03 53 17.1 +0.6
K24K	Donnelly Dome	44.41	37	P	P	03 53 17.2 +0.2
M24K	Tolsona, Glenn	44.44	39	P	P	03 53 17.2 0.0
M24K	Tolsona, Glenn	44.44	39	P	P	03 53 18.7 +1.5
J25K	Salcha River	44.50	35	P	P	03 53 17.0 -0.7
HIN	Hinchinbrook I	44.53	42	Iamb	Iamb	03 53 22.7
SMU	Sarmi	44.59	187	P	P	03 53 21.1 +2.3
KLU	Klutina	44.64	40	Iamb	Iamb	03 53 26.1
KLU	Klutina	44.64	40	P	P	03 53 20.0 +1.1
PAX	Paxson	44.65	38	P	P	03 53 19.5 +0.5
CHTO	Chiang Mai	44.68	252	P	P	03 53 18.9 -0.7
CHTO	comp-Z, 36nm, 0.8s				Iamb	
CHTO	Chiang Mai	44.68	252	P	P	03 53 18.9 -0.7
CHTO	Chiang Mai	44.68	252	P	P	03 53 20.3 +0.8
CHTO	Chiang Mai	44.68	252	P	P	03 53 20.3 +0.8
SWI	Sorong	44.70	198	P	P	03 53 20.9 +1.2
F26K	Sheenjek River	44.74	31	P	P	03 53 20.8 +1.2
HARP	HAARP	44.87	39	P	P	03 53 22.1 +1.5
EYAK	Cordova Ski Ar	44.87	41	P	P	03 53 22.0 +1.4
EYAK	Cordova Ski Ar	44.87	41	P	P	03 53 21.8 +1.3
CM31	Chiang Mai Arr	44.91	252	P	P	03 53 21.3 -0.2
CMAR	Chiang Mai Arr	44.91	252	P	P	03 53 22.4 +0.9
CMAR	comp-Z, 1.1nm, 0.3s, baz=38, slow=4.6, SNR=1.4				ScP	
CMAR	comp-Z, 1.59nm, 19.1s, baz=40, slow=38				LR	04 13 34.1
G26K	Porcupine River	44.94	32	P	P	03 53 22.5 +1.5
JAY	Jayapura	44.95	185	P	P	03 53 23.5 +1.7
GENI	Gienym	45.07	185	P	P	03 53 24.7 +2.1
SCRK	Sand Creek	45.18	36	P	P	03 53 23.4 +0.2
N26K	Chitina, Valde	45.25	40	P	P	03 53 25.0 +1.3
J25L	Joseph Creek	45.29	36	P	P	03 53 23.3 -0.7
BMRM	Bremner River	45.35	41	P	P	03 53 25.8 +1.3
I26K	Coal Creek Min	45.36	34	P	P	03 53 24.1 -0.3
RAGM	Ragged Mountai	45.42	41	Iamb	Iamb	03 53 31.6
SHL	Shillong	45.59	265	P	P	03 53 25.5 -1.5
SHL	Shillong	45.59	265	P	P	03 53 25.5 -1.5
L26K	Log Cabin Wild	45.60	38	P	P	03 53 27.1 +0.8
L26K	Log Cabin Wild	45.60	38	Iamb	Iamb	03 53 29.0
L26K	Log Cabin Wild	45.60	38	P	P	03 53 27.9 +1.5
HMT	Hamilton	45.63	41	Iamb	Iamb	03 53 31.5
KAIM	Kayak Island	45.64	42	Iamb	Iamb	03 53 29.6
KAIM	Kayak Island	45.64	42	P	P	03 53 28.0 +1.4
E27K	Coleen River	45.66	30	Iamb	Iamb	03 53 28.9
E27K	Coleen River	45.66	30	P	P	03 53 27.5 +0.7
GTOI	Gorontalo	45.76	210	P	P	03 53 28.1 0.0
G27K	Doyon Strip	45.79	32	Iamb	Iamb	03 53 30.6
G27K	Doyon Strip	45.79	32	P	P	03 53 28.9 +1.1
D27M	Malcolm River	45.80	29	Iamb	Iamb	03 53 29.4
D27M	Malcolm River	45.80	29	P	P	03 53 28.2 +0.3
VRDI	Verde Repeater	45.86	40	Iamb	Iamb	03 53 28.9 +0.3
M26K	Nabesna, AK	45.86	38	Iamb	Iamb	03 53 31.4
M26K	Nabesna, AK	45.86	38	P	P	03 53 30.3 +1.8
BERG	Berg Lake	45.90	41	Iamb	Iamb	03 53 31.6
H27K	Steamboat Moun	45.91	33	P	P	03 53 30.5 +1.7
I26K	Kandik River	45.96	34	P	P	03 53 29.9 +0.7

K27K	Chicken	46.00	36	P	P	03 53 30.6 +1.1
MCARA	McCarthy VSAT	46.03	40	P	P	03 53 31.1 +1.3
CROE	Croft	46.12	41	P	P	03 53 31.5 +0.8
SHLS	Shalkode	46.18	294	eP	P	03 53 27.9 -3.6
SHLS	Shalkode	46.18	294	eP	P	03 53 27.8 -3.6
TOLJ	Tolito	46.19	213	P	P	03 53 31.1 -0.4
TDK	Taldyqorghan	46.20	297	eP	P	03 53 30.3 -1.1
TDK	Taldyqorghan	46.20	297	eP	P	03 53 30.3 -1.1
L27K	Beaver Creek	46.27	37	P	P	03 53 33.5 +1.8
EGAK	Eagle	46.27	35	P	P	03 53 32.1 +0.5
WAX	Waxell Ridge	46.30	41	P	P	03 53 32.4 +0.4
MRSI	Maris	46.31	21	P	P	03 53 33.2 +0.8
E28M	Babbage River	46.38	30	Iamb	Iamb	03 53 34.9
E28M	Babbage River	46.38	30	P	P	03 53 33.0 +0.6
F28M	Old Crow	46.38	31	Iamb	Iamb	03 53 34.8
F28M	Old Crow	46.38	31	P	P	03 53 33.6 +1.2
M27K	Edge Creek, AK	46.38	38	Iamb	Iamb	03 53 35.4
M27K	Edge Creek, AK	46.38	38	P	P	03 53 34.2 +1.5
FAKI	Fak Fak	46.48	196	P	P	03 53 34.0 +0.2
FAKI	Fak Fak	46.48	196	P	P	03 53 34.9 +1.1
FAKI	Fak Fak	46.48	196	P	P	03 53 34.5 +0.7
UZB	Uzynbulak	46.48	294	eP	P	03 53 31.8 -2.0
UZB	Uzynbulak	46.48	294	eP	P	03 53 31.8 -2.0
ISLE	Juniper Island	46.51	41	Iamb	Iamb	03 53 38.2
KPKS	Kokpek	46.59	294	eP	P	03 53 33.7 -0.8
KPKS	Kokpek	46.59	294	eP	P	03 53 33.7 -0.8
I28M	Miner Creek	46.68	34	P	P	03 53 36.4 +1.4
MESA	MESA	46.80	41	Iamb	Iamb	03 53 44.4
MESA	MESA	46.80	41	P	P	03 53 37.5 +1.5
BVCY	Beaver Creek	46.83	38	P	P	03 53 37.6 +1.5
YAH	Yahntse	46.85	41	Iamb	Iamb	03 53 39.1
ZHN	Zhinishe	46.87	294	eP	P	03 53 35.5 -1.3
ZHN	Zhinishe	46.87	294	eP	P	03 53 35.5 -1.3
CTG	Chitna Glacier	46.91	40	P	P	03 53 38.3 +1.4
CTGM	Chitina Glacie	46.92	40	Iamb	Iamb	03 53 41.5
SATY	Saty	46.93	294	eP	P	03 53 36.3 -1.1
SATY	Saty	46.93	294	eP	P	03 53 36.2 -1.1
E29M	Blow River	47.01	30	P	P	03 53 38.4 +1.0
TABL	Table Mountain	47.13	41	Iamb	Iamb	03 53 42.3
YUK3	Moose Creek	47.15	39	P	P	03 53 39.9 +1.1
DAWY	Dawson	47.16	36	P	P	03 53 39.2 +0.6
PRZ	Przeval'sk	47.16	293	P	P	03 53 39.5 +0.4
PRZ	Przeval'sk	47.16	293	P	P	03 53 39.5 +0.4
H29M	Whitestone	47.18	33	P	P	03 53 40.2 +1.5
G29M	Pin Creek	47.20	32	P	P	03 53 40.5 +1.6
MPSI	Mapaga	47.25	214	P	P	03 53 40.7 +0.9
SANI	Sanana	47.26	205	P	P	03 53 39.8 -0.1
I29M	Ogilvie Camp	47.36	34	P	P	03 53 41.5 +1.3
O28M	Mount Upton	47.41	40	P	P	03 53 42.7 +1.0
CHKK	Chushkaly	47.58	296	eP	P	03 53 40.9 -1.2
CHKK	Chushkaly	47.58	296	eP	P	03 53 40.9 -1.2
J29N	Klondike Camp	47.58	35	Iamb	Iamb	03 53 44.8
J29N	Klondike Camp	47.58	35	P	P	03 53 43.0 +1.1
YUK8	Steele Glacier	47.59	39	P	P	03 53 43.2 +1.0
SRDT	SRDT	47.62	248	P	P	03 53 43.8 +1.1
PINM	Pinnacle	47.64	41	P	P	03 53 43.5 +1.1
TAPN	Tapplejung	47.67	270	eP	P	03 53 43.6 +0.2
EPYK	Eagle Plains	47.81	32	P	P	03 53 49.4 +1.2
MDOK	Medeo	47.81	295	eP	P	03 53 43.6 -0.5
MDOK	Medeo	47.81	295	eP	P	03 53 43.5 -0.5
TARG	Taragay, Kyrg	47.88	293	P	P	03 53 44.5 -0.5
TARG	Taragay, Kyrg	47.88	293	P	P	03 53 44.5 -0.5
G30M	Aoch Zraii Nji	47.88	31	P	P	03 53 44.1 0.0
G30M	Aoch Zraii Nji	47.88	31	P	P	03 53 45.0 +0.8
L29M	L29M	47.91	37	P	P	03 53 46.7 +2.2
M29M	Somme Creek	47.92	38	Iamb	Iamb	03 53 47.6
M29M	Somme Creek	47.92	38	P	P	03 53 46.3 +1.7
F30M	Barrier River	47.92	31	P	P	03 53 45.9 +1.5
KUU	Kurty	47.99	296	eP	P	03 53 43.9 -1.4
KUU	Kurty	47.99	296	eP	P	03 53 43.9 -1.4
K29M	Barlow Dome	48.01	36	P	P	03 53 46.8 +1.5
BRZS	Berezni	48.09	305	eP	P	03

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KAPI Kappang, R33M Jennings River, and NEEM North Greenland.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like NEEM, KLMM Klimovskoe, and various international stations.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PLID Pearl Lake, GROC Groznyy, and various international stations.

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Table with columns: SMOL, SMolence, 77.81 327 eP, P, 03 57 04.1 +0.8, etc. Includes entries like Organ Pipe Nat, Organ Pipe Nat, Organ Pipe Nat, etc.

Table with columns: TNS, Taurus Mts, 79.75 333 eP, P, 03 57 13.7 -0.2, etc. Includes entries like Taurus Mts, Taurus Mts, Taurus Mts, etc.

Table with columns: MSTX, Muleshoe, 82.43 50 P, P, 03 57 29.1 +0.6, etc. Includes entries like Muleshoe, Muleshoe, Muleshoe, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details for various radio stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details for various radio stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details for various radio stations.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for various radio stations.

JMA 03 04:36:31.9±0.0, 34°30'N:109°135'56"E:0.1, h11km, MV0.4/26, KYOTO OSAKA BORDER REG, Near south coast of western Honshu

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for various radio stations.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for various radio stations.

IDC 03 04:02:45.1, 20°22'S:177°37'W, h525km±40km, mb2/6/5, mbmp3.7/6, Error ellipse: s-maj=121.3km s-min=21.8km az=150.0, Fiji Islands region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for various radio stations.

NEIC 03 04:11:03.1±1.6, 56°05'N:127°9'W:0.2, h128km±6km, mb4/6/30, Error ellipse: s-maj=17.8km s-min=13.9km az=206.0

IDC 03 04:11:02.2±0.4, 56°03'S:27°85'W, h136km±11km, mb4.3/10, mbmp4.8/12, MS3.2/4, Error ellipse: s-maj=16.9km s-min=12.2km az=79.0

ISC 03 04:11:02.2±0.3, 56°03'S:27°85'W:0.08, h121km, mb7.0/48, Error ellipse: s-maj=16.9km s-min=12.2km az=79.0, South Sandwich Islands region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for various radio stations.

Table with columns: BDFB, Brasilia, 43.17 331 P, P, 04 18 50.9 0.0, etc. Includes entries for BDFB, SBA, BOS, VNSA, PTLB, H10N1, H10N3, H10N2, LBTB, TSUM, LPAZ, LPZ, CASY, SAML, ETMB, LBSZ, MACA, BOAV, LIC, KIC, TIC, DBIC, MCRA, ARNL, OTAV, MBAR, BALU, TOAO, TORO, KMBO, MTO3, PSAA, ASAR, ASAR, ASAR, AS31, WRA, WRA, HFS, NOA, BOZ, FINES, MISO, CMAR, ARCES, PZH, BVAR, BVAR, GULI, GULI, MKAR, KURBB, KURBB, KURBB, WRAK, ZALV, M31M, C30N, N31M, H10N1, H10N2, H10N3, H10N4, H10N5, H10N6, H10N7, H10N8, H10N9, H10N10, H10N11, H10N12, H10N13, H10N14, H10N15, H10N16, H10N17, H10N18, H10N19, H10N20, H10N21, H10N22, H10N23, H10N24, H10N25, H10N26, H10N27, H10N28, H10N29, H10N30, H10N31, H10N32, H10N33, H10N34, H10N35, H10N36, H10N37, H10N38, H10N39, H10N40, H10N41, H10N42, H10N43, H10N44, H10N45, H10N46, H10N47, H10N48, H10N49, H10N50, H10N51, H10N52, H10N53, H10N54, H10N55, H10N56, H10N57, H10N58, H10N59, H10N60, H10N61, H10N62, H10N63, H10N64, H10N65, H10N66, H10N67, H10N68, H10N69, H10N70, H10N71, H10N72, H10N73, H10N74, H10N75, H10N76, H10N77, H10N78, H10N79, H10N80, H10N81, H10N82, H10N83, H10N84, H10N85, H10N86, H10N87, H10N88, H10N89, H10N90, H10N91, H10N92, H10N93, H10N94, H10N95, H10N96, H10N97, H10N98, H10N99, H10N100.

Table with columns: INK, L29M, K29M, I30M, O28M, YUK8, G30M, J29N, EPYK, EPYK, F30M, YUK3, MESA, CTG, I29M, I29M, DAWY, ISLE, H29M, G29M, BGLC, M27K, E29M, E29M, I28M, L27K, HMT, EGAK, K27K, F28M, BMRM, E28M, L26K, L26K, I27K, N25K, H27K, EYAK, G27K, G27K, J26L, G26J, D27M, I26K, SCRK, E27K, HARP, KLU, KLU, P23K, PAX, M24K, GLI, GLI, G26K, K24K, J25K, SCM, F26K, BMR, PRP, M23K, PWL, PWL, DHY, WATK, KATK, SML, SML, SEM, HDA, ILAR, ILAR, F25K, C26K, G25K, G25K, GHO, PMR, WAT1, POKR, RC01, BRSE, COLA, D25K, G24K, H24K, MCK, KDKA, M22K, F24K, NEA2.

Table with columns: SUA, CUT, I23K, E24K, TRF, SONM, H23K, C24K, D24K, SKT, O20K, N20K, E23K, P19K, TOLK, G23K, BPAW, MLY, COLD, PPLA, C23K, D23K, H22K, M20K, CHUM, Q18K, G22K, I21K, O19K, E22K, Q17K, P18K, N19K, F21K, R17K, L20K, O18K, H21K, M19K, D22K, K20K, B22K, L19K, J20K, Q16K, F21K, P17K, R16K, CHGN, N18K, E21K, I20K, CHNA, B21K, H20K, O17K, J19K, TTA, N17K, L18K, SDPT, A21K, O16K, M17K, E20K, D20K, G19K, N16K, N15K, I16K, E18K, N14K, I17K, G17K.

3d 7h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like KNRA, PPT2, FAKI, GUMC, KMBL, etc.

2017 NOV

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like PETK, MAW, MAW, CN2, NIKA, GYA, GYA, GYA, LYN, GRNR, GRNR, GRNR, HNS, HNS, KLR, KLR, KLR, CMAR, CMAR, KMI, KMI, CHTO, CHTO, CHTO, BELA, XAN, XAN, SPJA, HEH, CHNA, PZH, PZH, PZH, SDPT, XLT, XLT, XLT, XLT, SMAI, SMAI, HHC, HHC, HHC, HHC, HHC, S14K, MAZ, MAZ, ZEA, ELIB, ELIB, R17K, LZH, LZH, LZH, M11K, O14K, PMSA, O15K, R18K, OHAK, N14K, O17K, M13K, P16K, Q16K, O16K, N15K, SEY, SEY, SEY, Q18K, KDAK, KDAK, KDAK, KDAK, M14K, M14K, M14K, P17K, M15K, O17K, L14K, N16K, P18K, P18K, P18K, P18K, K13K

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like TROLL, Q19K, Q20K, O18K, L15K, M16K, N17K, GAMB, SNAK, P19K, N18K, L16K, L16K, O19K, J14K, K15K, M17K, VNA3, CNPM, CNPM, O20K, SVW2, VNA2, SCZ2, L17K, L17K, HOPS, SAO, SAO, SAO, BRSE, KCPM, M18K, VNA1, PKM, L18K, L18K, BCW, CIS, M19K, N20K, SHL, SHL, SHL, SHL, L19K, M20K, ARVC, PASC, PASC, ULN, ULN, ULN, ULN, TTA, TTA, TNA, YES, G15K, ORV, ORV, ORV, ORV, CMB, CMB, CMB, CMB, RC01, SUA, CBX, CBX, J18K, SONM, SONM, SONM, SONM, SONM, SONM, BFSC, EDW2, SKT, MURC, ISA, ISA, ISA, ISA, YBH, PWL, VTX, VTX, M22K, MONPK, PMR

IKP	baz=218 In-Ko-Pah, Jac	89.58	55	P	P	07 22 44.8	-1.0
GLI	baz=244 Glacier Island	89.63	20	P	P	07 22 45.0	-0.2
H17K	baz=222 Granite Mounta	89.67	13	P	P	07 22 45.5	+0.2
MDPB	baz=209 Devils Postpil	89.67	49	P	I/Amb	07 22 46.3	0.0
MDPB	comp=Z,19nm,1.1s Pinyon Flats O	89.74	54	P	P	07 22 46.0	-0.6
PFO	baz=219 Pinyon Flats O	89.74	54	P	P	07 22 46.1	-0.5
PFO	comp=Z,9.0nm,0.8s Pinyon Flats O	89.74	54	LR	LR	07 22 46.1	-0.5
TPFO	baz=244 Pinyon Flats	89.74	54	P	P	07 22 45.8	-0.8
KAIM	baz=244 Kayak Island	89.79	21	P	P	07 22 47.2	+1.2
CWC	baz=222 Cottonwood Cre	89.83	50	P	P	07 22 47.7	-0.2
MLAC	baz=243 Mammoth, Mamm	89.84	49	P	P	07 22 46.7	-0.4
SWSC	baz=244 Sam W. Stewart	89.94	54	P	P	07 22 47.1	-0.3
SML	baz=219 Sawmill	89.97	19	P	P	07 22 48.3	+1.4
TIN	baz=242 Tinemaha, Big	90.01	50	P	P	07 22 47.4	-0.3
MPMC	baz=242 Manual Prospec	90.08	51	P	P	07 22 46.7	-1.5
M23K	baz=243,SNR=20 Glacier View	90.14	19	P	P	07 22 47.1	-0.5
GCSA	baz=220 Galena City Sc	90.15	14	P	P	07 22 47.2	-0.3
YERR	baz=211 Yerington	90.20	48	P	I/Amb	07 22 48.7	+0.1
YERR	comp=Z,21nm,1.2s Castle Rocks	90.20	16	P	I/Amb	07 22 45.8	-2.1
CAST	baz=216 Castle Rocks	90.20	16	P	P	07 22 46.9	-1.0
GSC	baz=243,SNR=4.4 Goldstone, Bar	90.24	52	P	P	07 22 47.7	-1.1
BELC	baz=244,SNR=6.6 Belle Mtn. Jos	90.26	53	P	P	07 22 47.9	-1.1
SCM	baz=244,SNR=30 Sheep Creek Mo	90.29	19	P	P	07 22 47.6	-0.8
DSP	baz=220 Deep Springs	90.33	50	P	P	07 22 48.7	-0.4
LHV	baz=219 Little Huntton	90.36	49	P	I/Amb	07 23 00.7	
LHV	comp=Z,20nm,1.0s Hector,Ludlow	90.37	52	P	P	07 22 48.2	-1.2
KLU	baz=244,SNR=5.2 Hutina	90.47	20	P	P	07 22 48.3	-0.9
BMRM	baz=221 Bremner River	90.50	21	P	P	07 22 48.7	-0.7
BC3	baz=222 Big Chuckawall	90.52	54	P	P	07 22 48.8	-1.3
CHUM	baz=244,SNR=6.6 Lake Minchum	90.52	16	P	P	07 22 49.3	+0.1
NVAR	baz=216 Mina Aray Bea	90.59	49	P	P	07 22 49.5	-1.0
NVAR	comp=Z,9.7nm,0.8s, baz=226,slow=8.1,SNR=52 Whitehorse			LR	LR	07 22 50.5	
GRAC	comp=Z,136nm,21.7s, baz=268,slow=30 Grapevine Rang	90.59	50	P	P	07 22 49.6	-0.8
WAT1	baz=243,SNR=6.8 Susitna Watana	90.70	18	P	P	07 22 50.5	+0.2
FURC	baz=219 Furnace Creek	90.72	51	P	P	07 22 49.7	-1.1
F17K	baz=243,SNR=6.3 Baldwin Pennin	90.74	11	P	P	07 22 50.5	+0.3
WAT6	baz=207 Susitna Watana	90.75	18	P	P	07 22 50.5	-0.1
MESA	baz=220 MESA	90.82	22	P	P	07 22 50.7	-0.3
CRQE	baz=224 Cirque	90.84	21	P	P	07 22 50.5	-0.6
GMRC	baz=224 Granite Mounta	90.85	53	P	P	07 22 49.9	-1.9
M24K	baz=244,SNR=14 Tolsona, Glenn	90.85	19	P	P	07 22 50.9	-0.1
H19K	baz=212 Roundabout Mou	90.91	14	P	P	07 22 51.4	+0.3
TUQ	baz=244,SNR=5.6 Turquoise Moun	90.94	52	P	P	07 22 51.2	-1.0
IRM	baz=244,SNR=17 Iron Mountain	90.96	54	P	P	07 22 51.1	-1.0
N25K	baz=222,SNR=5.4 Chitina, Valde	90.97	20	P	P	07 22 51.5	-0.9
KVN	baz=211 Kaiserille	91.01	48	P	P	07 22 51.6	-0.9
KVN	baz=211 Kaiserille	91.01	48	P	P	07 22 51.6	-0.9
PALK	comp=Z,20nm,0.9s Pallekele	91.14	277	LR	LR	08 06 40.6	
H20K	comp=Z,14nm,18.9s, baz=228,slow=37 Anotleneega Mo	91.23	14	P	P	07 22 53.4	+0.8
BLYC	baz=213 Blythe	91.25	54	P	P	07 22 53.4	-0.1
G19K	baz=211 Purcell Mounta	91.30	13	P	P	07 22 52.5	-0.4
MCARA	baz=224 McCarthy VSAT	91.33	21	P	P	07 22 52.8	-0.3
PNM	baz=224 Pinnacle	91.37	23	P	P	07 22 52.9	-0.5
TPNV	baz=244,SNR=30 Topopah Spring	91.37	51	P	P	07 22 52.8	-1.4
HARP	baz=222 HAARP	91.39	20	P	P	07 22 53.1	-0.3
S31K	baz=229 Pelican	91.47	26	P	P	07 22 54.0	+0.2
D17K	baz=206 Noatak River	91.55	10	P	P	07 22 54.6	+0.6
CTG	baz=225 Chitna Glacier	91.59	22	P	P	07 22 54.4	-0.2
U33K	baz=232 Whale Pass	91.61	28	P	P	07 22 55.1	+0.6
I21K	baz=232 Tanana	91.66	15	P	P	07 22 54.7	+0.2
PAX	baz=216 Paxson	91.72	19	P	P	07 22 54.4	-0.6
F19K	baz=211 Shaleruckik Mo	91.76	13	P	P	07 22 55.2	+0.2
PDMCI	baz=245 Parker Dam,Lak	91.78	54	P	P	07 22 55.6	-0.3
214A	baz=245,SNR=9.3 Organ Pipe Nat	91.81	56	P	P	07 22 55.5	-0.7
O28M	baz=226 Mount Upton	91.86	22	P	P	07 22 56.1	+0.1
NEA2	baz=218 Nenana	91.94	17	P	P	07 22 55.9	0.0
P29M	baz=228 Windy Craggy	91.98	24	P	P	07 22 56.4	+0.1
M26K	baz=224 Nabesna, AK	92.07	20	P	P	07 22 56.6	0.0
O29M	baz=229 Mount Kennedy	92.12	23	P	P	07 22 57.1	+0.1
WRAK	baz=232 Wrangell Islan	92.14	28	P	P	07 22 57.7	+0.8
MIENT	baz=232 Zakamensk	92.23	20	P	P	07 22 56.9	-0.4
ZAK	baz=226,slow=37 Zakamensk	92.24	324	eP	P	07 22 57.6	-0.1
K24K	comp=Z,16nm,1.3s Donnelly Dome	92.26	18	P	P	07 22 58.3	+0.9
F20K	baz=221 Avarant Lake	92.36	13	P	P	07 22 58.1	+0.3
YUK8	baz=212 Steele Glacier	92.37	22	P	P	07 22 58.0	-0.2
HDA	baz=226 Harding Lake	92.38	18	P	P	07 22 57.6	-0.4
PLBC	baz=229 Pleasant Camp	92.39	25	P	P	07 22 57.7	-0.4
H22K	baz=229 Ishlaltina Cre	92.39	15	P	P	07 22 58.0	0.0
G21K	baz=214 Allakaket	92.40	14	P	P	07 22 58.0	0.0
E19K	baz=211 Redstone River	92.40	12	P	P	07 22 58.1	+0.1
M27K	baz=225 Edge Creek, AK	92.41	21	P	P	07 22 58.3	0.0
L26K	baz=223 Log Cabin Wild	92.42	20	P	P	07 22 58.3	+0.2

R11B	baz=244,SNR=10 Troy Canyon, C	92.46	50	P	P	07 22 59.0	-0.1
YUK3	baz=226,SNR=18 Moose Creek	92.47	22	P	P	07 22 58.4	-0.3
COLA	baz=226 Colo	92.49	17	P	P	07 22 56.5	-1.9
P30M	baz=229 Million Dollar	92.60	24	P	P	07 22 59.3	+0.2
YUK6	baz=228 Outpost Mounta	92.63	23	P	P	07 22 59.3	-0.2
ILAR	comp=Z,1.0nm,0.9s Eielson Array	92.68	17	eP	P	07 22 56.9	-2.4
ILAR	comp=Z,1.0nm,0.9s Eielson Array	92.68	17	P	P	07 22 57.1	-2.2
ILAR	comp=Z,1.3nm,1.0s, baz=240,slow=3.8,SNR=9.7 Eielson Array	92.68	17	LR	LR	08 00 18.3	
BVCY	baz=226 Beaver Creek	92.78	21	P	P	07 22 59.5	-0.4
SKAG	baz=230,SNR=5.2 Skagway	92.80	25	P	P	07 22 59.0	-0.9
SKAG	baz=228 Skagway	92.80	25	P	P	07 22 60.0	+0.1
YUK4	baz=228 Talbot Arm	92.80	22	P	P	07 23 00.3	+0.1
HYT	baz=228,SNR=5.6 Haines Junctio	92.86	23	P	P	07 23 00.4	0.0
SCRK	baz=228,SNR=5.6 Sand Creek	92.92	19	P	I/Amb	07 22 59.8	-0.8
SCRK	comp=Z,7.3nm,1.0s Sand Creek	92.92	19	P	I/Amb	07 23 11.7	
SCRK	baz=223 Sand Creek	92.92	19	P	P	07 23 00.2	-0.4
L27K	baz=223 Beaver Creek	92.92	20	P	P	07 23 00.1	-0.4
J25K	baz=222 Salcha River	92.98	18	P	P	07 23 00.9	+0.1
F21K	baz=222 Alatina River	92.99	14	P	P	07 23 00.9	+0.2
D19K	baz=210 Kuna River	93.13	12	P	P	07 23 01.9	+0.5
G22K	baz=216 Bettles	93.19	15	P	P	07 23 01.6	0.0
E20K	baz=212 Nigu River	93.30	12	P	P	07 23 02.5	+0.4
O30N	baz=216 Mendenhall	93.35	24	P	P	07 23 02.7	+0.1
N30M	baz=230,SNR=5.0 Aistak Lake	93.44	23	P	P	07 23 03.2	+0.3
F22K	baz=229 John River	93.52	14	P	P	07 23 03.4	+0.2
P32M	baz=216 Atlin	93.52	25	P	P	07 23 04.2	+0.8
TUC	baz=232 Tucson	93.52	57	P	P	07 23 04.2	+0.1
TUC	baz=246 Tucson	93.52	57	P	P	07 23 03.3	-0.8
TUC	baz=246 Tucson	93.52	57	P	P	07 23 04.2	+0.1
K27K	comp=Z,5.0nm,1.0s Chicken	93.54	19	P	P	07 23 03.6	+0.4
S34M	baz=224 Telegraph Cree	93.56	28	P	P	07 23 04.0	+0.5
D20K	baz=234 Etiulik River	93.60	12	P	P	07 23 03.4	-0.1
M29M	baz=212 Sormme Creek	93.61	22	P	P	07 23 03.7	-0.1
Q32M	baz=233 Nakina River	93.71	26	P	P	07 23 04.3	-0.2
WHY	baz=231 Whitehorse	93.74	24	P	P	07 23 04.1	-0.4
ELKO	comp=Z,99nm,21.3s, baz=252,slow=30 Elko	93.74	48	LR	LR	07 26 45.7	
COLD	baz=235 Coldfoot	93.75	15	P	P	07 23 05.1	+1.0
X16A	baz=216 Lo Mia Camp, P	93.86	55	P	I/Amb	07 23 05.7	0.0
X16A	baz=216 Lo Mia Camp, P	93.86	55	P	I/Amb	07 23 07.3	
KNB	comp=Z,10nm,1.0s Kanab	93.88	52	P	I/Amb	07 23 05.5	-0.3
KNB	comp=Z,15nm,1.5s Kanab	93.88	52	P	I/Amb	07 23 22.1	
KNB	comp=Z,15nm,1.5s Kanab	93.88	52	P	P	07 23 05.5	-0.3
E21K	comp=Z,15nm,1.5s Kiili River	93.90	13	P	P	07 23 05.1	+0.2
N31M	baz=214 Braeburn, Yuko	93.93	23	P	P	07 23 05.3	+0.1
E22K	baz=230,SNR=5.6 Anaktuvuk Pass	94.11	14	P	P	07 23 05.8	-0.1
I26K	baz=216 Coal Creek Min	94.14	18	P	P	07 23 05.8	-0.2
L29M	baz=224 L29M	94.17	21	P	P	07 23 06.1	-0.2
P33M	baz=228 Teslin, Yukon	94.26	25	P	P	07 23 06.7	-0.1
M30M	baz=232 Minto, Yukon	94.28	22	P	P	07 23 06.3	-0.5
C21K	baz=229,SNR=15 Knifblade Rid	94.33	12	P	P	07 23 05.7	-1.2
319A	baz=213 Douglas	94.34	58	P	I/Amb	07 23 07.2	-0.7
319A	comp=Z,8.5nm,1.0s Douglas	94.34	58	P	I/Amb	07 23 19.0	
DLBC	baz=306,slow=32 Dease Lake	94.35	27	LR	LR	07 59 25.9	
WUAZ	comp=Z,11nm,0.9s Wupatki	94.35	54	P	I/Amb	07 23 08.2	+0.3
WUAZ	baz=246 Wupatki	94.35	54	P	I/Amb	07 23 19.1	
WUAZ	baz=246 Wupatki	94.35	54	P	P	07 23 07.4	-0.6
EGAK	baz=226 Eagle	94.35	19	P	P	07 23 06.6	-0.4
EGAK	baz=225 Eagle	94.35	19	P	P	07 23 07.4	+0.4
G25K	baz=221 Bearman Lake	94.41	16	P	P	07 23 07.5	+0.3
DAWY	baz=227 Dawson	94.41	20	P	P	07 23 07.6	+0.3
R33M	baz=234 Jennings River	94.51	26	P	P	07 23 08.4	+0.3
D22K	baz=215 Aiyikay River	94.53	13	P	P	07 23 08.5	+0.7
F24K	baz=220 Squaw Lake	94.53	15	P	P	07 23 07.7	-0.1
E23K	baz=218 Chandalar	94.54	14	P	P	07 23 07.8	-0.2
N32M	baz=232 Quil Lake	94.73	24	P	P	07 23 08.4	-0.5
I27K	baz=225 Kandik River	94.80	18	P	P	07 23 09.2	+0.1
K29M	baz=225 Barlow Dome	94.87	21	P	P	07 23 08.9	-0.7
M31M	baz=231 Drury Creek, Y	94.90	23	P	P	07 23 08.6	-1.0
D23K	baz=228 Nanushuk River	95.03	14	P	P	07 23 10.4	+0.4
J29N	comp=Z,45nm,1.7s Klondike Camp	95.05					

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SFJD, DBIC, ESDC, TOAO, TORO, I28M, EKA, ILAR, RND, BPWF, OSPA, VNDA, KURBB, ASAR, WRA, GULI.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VILL, VILL2, VILL3, ATH, ATH2, ATH3, ATH4, ATH5, ATH6, ATH7, ATH8, ATH9, ATH10, ATH11, ATH12, ATH13, ATH14, ATH15, ATH16, ATH17, ATH18, ATH19, ATH20, ATH21, ATH22, ATH23, ATH24, ATH25, ATH26, ATH27, ATH28, ATH29, ATH30, ATH31, ATH32, ATH33, ATH34, ATH35, ATH36, ATH37, ATH38, ATH39, ATH40, ATH41, ATH42, ATH43, ATH44, ATH45, ATH46, ATH47, ATH48, ATH49, ATH50, ATH51, ATH52, ATH53, ATH54, ATH55, ATH56, ATH57, ATH58, ATH59, ATH60, ATH61, ATH62, ATH63, ATH64, ATH65, ATH66, ATH67, ATH68, ATH69, ATH70, ATH71, ATH72, ATH73, ATH74, ATH75, ATH76, ATH77, ATH78, ATH79, ATH80, ATH81, ATH82, ATH83, ATH84, ATH85, ATH86, ATH87, ATH88, ATH89, ATH90, ATH91, ATH92, ATH93, ATH94, ATH95, ATH96, ATH97, ATH98, ATH99, ATH100.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PVO, PVO2, PVO3, PVO4, PVO5, PVO6, PVO7, PVO8, PVO9, PVO10, PVO11, PVO12, PVO13, PVO14, PVO15, PVO16, PVO17, PVO18, PVO19, PVO20, PVO21, PVO22, PVO23, PVO24, PVO25, PVO26, PVO27, PVO28, PVO29, PVO30, PVO31, PVO32, PVO33, PVO34, PVO35, PVO36, PVO37, PVO38, PVO39, PVO40, PVO41, PVO42, PVO43, PVO44, PVO45, PVO46, PVO47, PVO48, PVO49, PVO50, PVO51, PVO52, PVO53, PVO54, PVO55, PVO56, PVO57, PVO58, PVO59, PVO60, PVO61, PVO62, PVO63, PVO64, PVO65, PVO66, PVO67, PVO68, PVO69, PVO70, PVO71, PVO72, PVO73, PVO74, PVO75, PVO76, PVO77, PVO78, PVO79, PVO80, PVO81, PVO82, PVO83, PVO84, PVO85, PVO86, PVO87, PVO88, PVO89, PVO90, PVO91, PVO92, PVO93, PVO94, PVO95, PVO96, PVO97, PVO98, PVO99, PVO100.

IDC 03 07:38:31.2-1.0, 29.26N-130.67E, h0km, mb3.7/8, m-bmt3.6/9, ML3.5/1, MS3.7/8, Error ellipse: s-maj=36.5km s-min=20.5km az=73.0

JMA 03 07:38:35.9-0.2, 29.3N-130.6E, h28km, MV3.4/28, NEAR AMAMI-OSHIMA ISLAND

ISC 03 07:38:36.5-0.8, 29.30N-130.60E, h34km, n30, s090/25, mb3.7/8, MS3.8/8, Ryukyu Islands

IDC 03 07:42:07.3-0.1, 63.17N-27.84E, h0km, ML1.0, Explosion, Finland

HEL 03 07:42:07.3-0.1, 63.17N-27.84E, h0km, ML1.0, Explosion, Finland

HEL 03 07:42:07.3-0.1, 63.17N-27.84E, h0km, ML1.0, Explosion, Finland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JNN, JYAK, JYAK2, JYAK3, JYAK4, JYAK5, JYAK6, JYAK7, JYAK8, JYAK9, JYAK10, JYAK11, JYAK12, JYAK13, JYAK14, JYAK15, JYAK16, JYAK17, JYAK18, JYAK19, JYAK20, JYAK21, JYAK22, JYAK23, JYAK24, JYAK25, JYAK26, JYAK27, JYAK28, JYAK29, JYAK30, JYAK31, JYAK32, JYAK33, JYAK34, JYAK35, JYAK36, JYAK37, JYAK38, JYAK39, JYAK40, JYAK41, JYAK42, JYAK43, JYAK44, JYAK45, JYAK46, JYAK47, JYAK48, JYAK49, JYAK50, JYAK51, JYAK52, JYAK53, JYAK54, JYAK55, JYAK56, JYAK57, JYAK58, JYAK59, JYAK60, JYAK61, JYAK62, JYAK63, JYAK64, JYAK65, JYAK66, JYAK67, JYAK68, JYAK69, JYAK70, JYAK71, JYAK72, JYAK73, JYAK74, JYAK75, JYAK76, JYAK77, JYAK78, JYAK79, JYAK80, JYAK81, JYAK82, JYAK83, JYAK84, JYAK85, JYAK86, JYAK87, JYAK88, JYAK89, JYAK90, JYAK91, JYAK92, JYAK93, JYAK94, JYAK95, JYAK96, JYAK97, JYAK98, JYAK99, JYAK100.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THAL, THAL2, THAL3, THAL4, THAL5, THAL6, THAL7, THAL8, THAL9, THAL10, THAL11, THAL12, THAL13, THAL14, THAL15, THAL16, THAL17, THAL18, THAL19, THAL20, THAL21, THAL22, THAL23, THAL24, THAL25, THAL26, THAL27, THAL28, THAL29, THAL30, THAL31, THAL32, THAL33, THAL34, THAL35, THAL36, THAL37, THAL38, THAL39, THAL40, THAL41, THAL42, THAL43, THAL44, THAL45, THAL46, THAL47, THAL48, THAL49, THAL50, THAL51, THAL52, THAL53, THAL54, THAL55, THAL56, THAL57, THAL58, THAL59, THAL60, THAL61, THAL62, THAL63, THAL64, THAL65, THAL66, THAL67, THAL68, THAL69, THAL70, THAL71, THAL72, THAL73, THAL74, THAL75, THAL76, THAL77, THAL78, THAL79, THAL80, THAL81, THAL82, THAL83, THAL84, THAL85, THAL86, THAL87, THAL88, THAL89, THAL90, THAL91, THAL92, THAL93, THAL94, THAL95, THAL96, THAL97, THAL98, THAL99, THAL100.

IDC 03 07:48:11.9-4.2, 21.96S-169.35E, h0km, mb3.5/3, m-bmt3.5/4, ML3.1/1, Error ellipse: s-maj=96.2km s-min=33.3km az=26.0, Southeast of Loyalty Islands

IDC 03 07:48:11.9-4.2, 21.96S-169.35E, h0km, mb3.5/3, m-bmt3.5/4, ML3.1/1, Error ellipse: s-maj=96.2km s-min=33.3km az=26.0, Southeast of Loyalty Islands

IDC 03 07:48:11.9-4.2, 21.96S-169.35E, h0km, mb3.5/3, m-bmt3.5/4, ML3.1/1, Error ellipse: s-maj=96.2km s-min=33.3km az=26.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, DZM2, DZM3, DZM4, DZM5, DZM6, DZM7, DZM8, DZM9, DZM10, DZM11, DZM12, DZM13, DZM14, DZM15, DZM16, DZM17, DZM18, DZM19, DZM20, DZM21, DZM22, DZM23, DZM24, DZM25, DZM26, DZM27, DZM28, DZM29, DZM30, DZM31, DZM32, DZM33, DZM34, DZM35, DZM36, DZM37, DZM38, DZM39, DZM40, DZM41, DZM42, DZM43, DZM44, DZM45, DZM46, DZM47, DZM48, DZM49, DZM50, DZM51, DZM52, DZM53, DZM54, DZM55, DZM56, DZM57, DZM58, DZM59, DZM60, DZM61, DZM62, DZM63, DZM64, DZM65, DZM66, DZM67, DZM68, DZM69, DZM70, DZM71, DZM72, DZM73, DZM74, DZM75, DZM76, DZM77, DZM78, DZM79, DZM80, DZM81, DZM82, DZM83, DZM84, DZM85, DZM86, DZM87, DZM88, DZM89, DZM90, DZM91, DZM92, DZM93, DZM94, DZM95, DZM96, DZM97, DZM98, DZM99, DZM100.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HEL, HEL2, HEL3, HEL4, HEL5, HEL6, HEL7, HEL8, HEL9, HEL10, HEL11, HEL12, HEL13, HEL14, HEL15, HEL16, HEL17, HEL18, HEL19, HEL20, HEL21, HEL22, HEL23, HEL24, HEL25, HEL26, HEL27, HEL28, HEL29, HEL30, HEL31, HEL32, HEL33, HEL34, HEL35, HEL36, HEL37, HEL38, HEL39, HEL40, HEL41, HEL42, HEL43, HEL44, HEL45, HEL46, HEL47, HEL48, HEL49, HEL50, HEL51, HEL52, HEL53, HEL54, HEL55, HEL56, HEL57, HEL58, HEL59, HEL60, HEL61, HEL62, HEL63, HEL64, HEL65, HEL66, HEL67, HEL68, HEL69, HEL70, HEL71, HEL72, HEL73, HEL74, HEL75, HEL76, HEL77, HEL78, HEL79, HEL80, HEL81, HEL82, HEL83, HEL84, HEL85, HEL86, HEL87, HEL88, HEL89, HEL90, HEL91, HEL92, HEL93, HEL94, HEL95, HEL96, HEL97, HEL98, HEL99, HEL100.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LAKA, LAKA2, LAKA3, LAKA4, LAKA5, LAKA6, LAKA7, LAKA8, LAKA9, LAKA10, LAKA11, LAKA12, LAKA13, LAKA14, LAKA15, LAKA16, LAKA17, LAKA18, LAKA19, LAKA20, LAKA21, LAKA22, LAKA23, LAKA24, LAKA25, LAKA26, LAKA27, LAKA28, LAKA29, LAKA30, LAKA31, LAKA32, LAKA33, LAKA34, LAKA35, LAKA36, LAKA37, LAKA38, LAKA39, LAKA40, LAKA41, LAKA42, LAKA43, LAKA44, LAKA45, LAKA46, LAKA47, LAKA48, LAKA49, LAKA50, LAKA51, LAKA52, LAKA53, LAKA54, LAKA55, LAKA56, LAKA57, LAKA58, LAKA59, LAKA60, LAKA61, LAKA62, LAKA63, LAKA64, LAKA65, LAKA66, LAKA67, LAKA68, LAKA69, LAKA70, LAKA71, LAKA72, LAKA73, LAKA74, LAKA75, LAKA76, LAKA77, LAKA78, LAKA79, LAKA80, LAKA81, LAKA82, LAKA83, LAKA84, LAKA85, LAKA86, LAKA87, LAKA88, LAKA89, LAKA90, LAKA91, LAKA92, LAKA93, LAKA94, LAKA95, LAKA96, LAKA97, LAKA98, LAKA99, LAKA100.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAVA, KAVA2, KAVA3, KAVA4, KAVA5, KAVA6, KAVA7, KAVA8, KAVA9, KAVA10, KAVA11, KAVA12, KAVA13, KAVA14, KAVA15, KAVA16, KAVA17, KAVA18, KAVA19, KAVA20, KAVA21, KAVA22, KAVA23, KAVA24, KAVA25, KAVA26, KAVA27, KAVA28, KAVA29, KAVA30, KAVA31, KAVA32, KAVA33, KAVA34, KAVA35, KAVA36, KAVA37, KAVA38, KAVA39, KAVA40, KAVA41, KAVA42, KAVA43, KAVA44, KAVA45, KAVA46, KAVA47, KAVA48, KAVA49, KAVA50, KAVA51, KAVA52, KAVA53, KAVA54, KAVA55, KAVA56, KAVA57, KAVA58, KAVA59, KAVA60, KAVA61, KAVA62, KAVA63, KAVA64, KAVA65, KAVA66, KAVA67, KAVA68, KAVA69, KAVA70, KAVA71, KAVA72, KAVA73, KAVA74, KAVA75, KAVA76, KAVA77, KAVA78, KAVA79, KAVA80, KAVA81, KAVA82, KAVA83, KAVA84, KAVA85, KAVA86, KAVA87, KAVA88, KAVA89, KAVA90, KAVA91, KAVA92, KAVA93, KAVA94, KAVA95, KAVA96, KAVA97, KAVA98, KAVA99, KAVA100.

ISK 03 07:43:00.2, 38.27N-23.17E, h21km, ML3.5/24 THE 03 07:43:01.1, 38.17N-23.38E, h12km, ML3.7/16, Error ellipse: s-maj=0.9km s-min=0.4km az=178.0

ISK 03 07:43:01.1, 38.19N-23.39E, h10km, 1km, ML3.6/30, Error ellipse: s-maj=1.5km s-min=0.7km az=186.0

AFAD 03 07:43:03.1-0.0, 38.26N-23.99E, h7km, 4km, MW3.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, ASAR2, ASAR3, ASAR4, ASAR5, ASAR6, ASAR7, ASAR8, ASAR9, ASAR10, ASAR11, ASAR12, ASAR13, ASAR14, ASAR15, ASAR16, ASAR17, ASAR18, ASAR19, ASAR20, ASAR21, ASAR22, ASAR23, ASAR24, ASAR25, ASAR26, ASAR27, ASAR28, ASAR29, ASAR30, ASAR31, ASAR32, ASAR33, ASAR34, ASAR35, ASAR36, ASAR37, ASAR38, ASAR39, ASAR40, ASAR41, ASAR42, ASAR43, ASAR44, ASAR45, ASAR46, ASAR47, ASAR48, ASAR49, ASAR50, ASAR51, ASAR52, ASAR53, ASAR54, ASAR55, ASAR56, ASAR57, ASAR58, ASAR59, ASAR60, ASAR61, ASAR62, ASAR63, ASAR64, ASAR65, ASAR66, ASAR67, ASAR68, ASAR69, ASAR70, ASAR71, ASAR72, ASAR73, ASAR74, ASAR75, ASAR76, ASAR77, ASAR78, ASAR79, ASAR80, ASAR81, ASAR82, ASAR83, ASAR84, ASAR85, ASAR86, ASAR87, ASAR88, ASAR89, ASAR90, ASAR91, ASAR92, ASAR93, ASAR94, ASAR95, ASAR96, ASAR97, ASAR98, ASAR99, ASAR100.

3d 9h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes WRA Warrunguna Arr 32.72 267 P, VDA Vanda 55.73 182 P.

IDC 03 07:49:46.1-2.9.53'45N-87'68E, h0km, mbtmp3.0/3, ML2.6/2, Error ellipse: s-maj=32.5km s-min=16.4km az=39.0, Southwestern Siberia

IDC 03 07:54:18.9-4.2.53'69N-87'76E, h0km, mbtmp2.7/2, ML2.2/2, Error ellipse: s-maj=47.0km s-min=19.4km az=47.0, Southeastern Siberia

IDC 03 08:08:51.6-4.2.17'35S-173'19W, h0km, mb3.6/3, mbtmp3.6/3, MS3.4/1, Error ellipse: s-maj=330.4km s-min=34.7km az=152.0, Tonga Islands

IDC 03 08:41:25.9-1.2-21'73S-010-169'82E, 0.10, h12km, n25, s132/25, mb3.7/4, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes MARNC Mare, Loyalty 1.50 279 P, PINNC Pines Island, 2.20 246 P.

IDC 03 09:01:16.9-2.1.4'32S-127'89E, h0km, mb3.5/1, mbtmp3.5/3, ML3.0/2, Error ellipse: s-maj=134.9km s-min=31.0km az=66.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes WRA Warrunguna Arr 16.30 158 P, ASAR Alice Springs 19.62 163 P.

2017 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes PB06 IPOC Station P 2.88 244 Pg, PB07 IPOC Station P 2.91 264 P.

IDC 03 09:06:23.8-0.5.21'70S-168'97E, h0km, mb4.7/20, mbtmp4.7/22, ML4.2/2, MS4.2/48, Error ellipse: s-maj=16.3km s-min=1.4km az=87.0

IDC 03 09:06:26.8-0.5.21'72S-168'85E, h12km, NEIC 03 09:06:26.8-0.5.21'72S-168'85E, h12km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes MARNC Mare, Loyalty 0.84 282 P, PINNC Pines Island, 1.66 235 P.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes ONTNC Owen Toro 2.37 254 P, NOUC Port Laguerre 2.47 259 P.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes RAO Raoul Island 14.09 125 LR, EIDS Eidsvold 16.76 254 P.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes RTZ Ruzhanshan 18.27 159 P, BUKH Black Stump Fm 18.62 161 P.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes CTA comp=Z,7.0nm,0.8s,baz=93,slow=10,SNR=12 LR, CTAO Charters Tower 21.23 270 P.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes CAN Canberra 22.11 228 P, CAN Canberra 22.11 228 P.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes PMG Port Moresby 24.20 297 P, PMG Port Moresby 24.20 297 P.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes AUMAG Moama Anglican 25.49 230 P, COEN Coen 25.65 283 P.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes GLAD Gladstone 26.15 218 P, INKA Innaminka 26.26 251 P.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes BRAT Ballarat 26.76 228 P, QIS Mount Isa 27.35 267 P.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes WHYH Whyalla 29.94 241 P, QOD Oodnadatta 30.73 252 P.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes WRA Warrunguna Arr 32.33 267 P, WRA Warrunguna Arr 32.33 267 P.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like MBWA Marble Bar, MEEK Meekatharra, and many others.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like MDJ Mudanjiang, MDJ Tymovskoe, and many others.

3d 9h

Table with columns for station name, frequency, power, and other technical details. Includes stations like P16K Nushagak River, Q16K King Salmon, and many others.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Novokhoporyorsk, Moscow, Voronezh, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TEKS, NKC, CONA, MOX, SKO, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KANR, URKR, BUJR, etc.

BUC 03 09:24:19.1±0.2, 45°37'N; 25°30'E, h4km, m2,1/12, 19C-9D, Error ellipse: s-maj=2.0km s-min=1.0km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, and other technical details. Includes stations like OZUR, VOIR, etc.

NOU 03 09:45:49.1, 21°73'S; 169°59'E, h0km, MLV4.2/8, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, and other technical details. Includes stations like MARC, PINNC, etc.

3d 10h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MOCB Mochara, PB09 IPOC Station P, YJA Yavi, etc.

NOU 03 09:56:41.7, 21.72S; 169.07E, h0km, MLV3.8/8, Southeast of Loyalty Islands

ICC 03 09:56:42.1, 6.21N; 175.53E, h0km, mb3.4/4, mbtmp3.5/5, ML3.3/1, Error ellipse: s-maj=52.7km

ISC 03 09:56:46.5, 1.3, 21.7S; 0.1x168.9E:0.1, h2km, n12, e077/13, mb3.4/4, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, etc.

ICC 03 09:58:12.6, 1.1, 21.76S; 168.96E, h0km, mb3.6/6, mbtmp3.7/7, ML3.7/1, MS3.4/3, Error ellipse: s-maj=32.6km

ISC 03 09:58:14.3, 1.1, 21.8S; 0.2x169.0E:0.1, h10km, n11, e074/10, mb3.7/6, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, ASAR Alice Springs, etc.

HEL 03 10:02:15.2, 0.3, 62.26N; 25.67E, h0km, ML1.3, Explosion, Finland

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

2019 NOV

Table with columns: KEF, Keuruu, FIAO, FINESS Array S, NIF, Nilsia, YAF, Ylistaro, VAF, Vaf, Pernaia, PVF, PVF, Ruokolaiti, RUF, RUF, Virojoki, VJF, Metsahovi, MEF, Merijarvi, OUF, OUF, Rauma, RAF, Vikkela, Lumij, JOF, Joensuu, RMF, Romuvaara.

HEL 03 10:02:25.4, 0.2, 65.39N; 20.73E, h0km, ML1.3, Explosion, Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BURU Burvik, KALU Kalix, KALU Ertsjaerv, ERTU, UMAU Umeaa, UMAU Tornio, TOF, TOF, Syolatti, Pyha, OFBO, OFBO, Syolatti, Pyha, OFBO, OFBO, Pajala, PAFU, Vikkela, Lumij, KLF, KLF, Rovaniemi, Ylistaro, LANU, HEMU, SGF, Sodankyl, KIF, Kijisjarvi, KU6, Riekk, RMF, Romuvaara, KAF, Kangasniemi, FIAO, FINESS Array S.

HEL 03 10:05:39.5, 0.1, 61.11N; 21.36E, h0km, ML1.7, Explosion, DNK 03 10:05:39.0, 0.1, 61.11N; 21.47E, h0km, ML2.7(UPP), Suspected explosion

UPP 03 10:05:40.2, 1.1, 61.05N; 21.25E, h0km, ML2.7, ISC 03 10:05:37.5, 0.9, 61.11N; 0.02x21.36E:0.02, h0km, n25, e060/46, Finland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RAF Rauma, KPF, Kankaanpaa, AAL, Aland, GRAU, Graesoe, NUR, Nurmijrvi, NUR, MEF, Metsahovi, MEF, HELU, Helsinki, FLYU, Flymyra, FLYU, Flymyra, NRTU, Norrtalje, NRTU, Norrtalje, KEF, Keuruu, KEF, KEF, IGGU, Iggoen, IGGU, Iggoen, VAF, Ylistaro, VAF, HEMU, Hemsoen, HEMU, Pernaia, PVF, Pernaia, PVF, FIAO, FINESS Array S, FIAO, HUSU, Husum, KAF, Kangasniemi, KAF, KAF, MTF, Matsula, UMAU, Umeaa, UMAU.

ANF 03 10:26:09.4, 0.4, 36.94N; 98.28W, h5km, ML3.7/7, Error

ellipse: s-maj=6.2km s-min=3.1km az=50.0, NEIC 03 10:26:09.2, 0.3, 36.91N; 0.01x98.32W:0.02, h3km, 2km, Error ellipse: s-maj=2.6km s-min=1.4km az=122.0, TUL 03 10:26:09.2, 0.3, 36.91N; 0.006x98.33W:0.01, h5km, 2km, ML3.1, mb_Lg2.8/89(NEIC), ML3.0/44(NEIC), Error ellipse: s-maj=1.6km s-min=0.8km az=67.0, ISC 03 10:26:09.7, 1.0, 36.92N; 0.02x98.33W:0.02, h6km, 10km, n126, e077/118, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like OK032 Salt Plains WL, KAN10 Anthony SW Sta, KAN14 Manchester OK, GC02 Grant County #, KAN05 Bluff City Nor, KAN08 Anthony NE Sta, KAN12 Harper NE Stat, KAN17 Caldwell West, CROK Carrier, KAN06 Argonia West S, KAN01 Argonia South, NOKA Waynoka, NOKA, KAN09 Caldwell North, KAN09, KS21 Milan North St, KS21 Milan North St, KAN13 South Haven SW, KAN13, U32A Winter Ranch, U32A, U32A, BLOK Blackwell, BLOK, OK048 Pawnee Station, ELIS Ellis County, OK051 E030 and S346, CSTR Hydro, Custer, OK029 Liberty Lake, OK033 Mehan, T35A Sooner Cattle, T35B Sooner Cattle, ADOK Adandia Dam, QUOK Quoy, R32A Long Quarter, R32A Long Quarter, R032A, OK053 Battle Ridge R, OK031 S. Brethren Rd, OK030 Cody Creek RV, FNO Franklin, DEOK Deok, CBKS Cedar Bluff, CBKS Cedar Bluff, CBKS Cedar Bluff, WMOK Wichita Mounta, WMOK Wichita Mounta, WMOK Wichita Mounta, TUL3 Leonard, TUL3 Leonard, TUL3 Leonard, SMWD Samnorwood, KSU1 Kansas State U, KSU1, RLO Look Love County, RLO, LOOK, WFTS Witchita Falls, U38A, U38A, X37A Clayton, X37A Clayton, AMTX Amarillo, AMTX, AMTX Amarillo, RTBA Rita Blanca, RTBA, HHAR Hobbs, HHAR, Z35A Perchaven, S, Z35A Perchaven, S.

3d 11h

Table with columns: STKA, Stephens Creek, 28.03 213 P, 1.4nm, 0.5s, baz=22, slow=15, SNR=1.5, 1.4nm, 0.5s

TAP 03 10:51:00.7, 24:73N; 122:50E, h18km, ML3.6, D
ASIES 03 10:51:00.7, 24:73N; 122:50E, h18km, ML3.6, Mw3.1,
Moment Tensor Solution. Moment tensor: Scale 10^20Nm;

Main table with columns: Code, Station Name, Delta A, AZ, Phase ID, Op, Time Res, ISC, h m s, Res ISC

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Table with columns: NACB, Anpu, 1.00 297 eP, Pb, 10 51 32.5 +0.4, S, Sb, 10 51 32.5 +0.4

DJA 03 10:55:01.2, 1.2, 0.3, 12.5E, h18km, 10km, M3.9/10,
mb4.1/1, mb4.7/1, MLV3.8/10, Mw(MB)4.0/1, Southern
Molucca Sea

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

NEIC 03 11:02:44.1, 1.4, 47:53N, 0.02:121:71W, 0.04, h22km, 6km,
Error ellipse: s-maj=3.7km s-min=3.0km az=90.0
PNSN 03 11:02:44.8, 47:54N, 121:75W, h19km, MD2.4, Fault plane
solution: NP1:phi=145.00000, delta=50.00000, lambda=0.00000

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

200

Table with columns: GSM, Leota Junior H, 0.34 314, Sg, 11 02 56.5 +0.5, Sg, 11 02 56.5 +0.5

IDC 03 11:04:27.9, 0.8, 24:17N, 122:45E, h0km, mb3.9/12,
mbtmp3.9/13, ML3.5/1, MS3.3/17, Error ellipse:
s-maj=24.0km s-min=16.5km az=63.0
ASIES 03 11:04:33.0, 24:09N, 122:47E, h29km, ML4.4, Mw4.0,
Moment Tensor Solution. Moment tensor: Scale 10^21Nm;

TAP 03 11:04:33.0, 24:09N, 122:47E, h29km, ML4.4, C
NIED 03 11:04:32.8, 24:05N, 122:45E, h25km, MW4.1, Moment
Tensor Solution. s3 Moment tensor: Scale 10^15Nm;
Mn:0.73; Mm:0.93; Ml:0.19; Ml:2.1; Mm:2.4; Ml:0.38;

Main table with columns: Code, Station Name, Delta A, AZ, Phase ID, Op, Time Res, ISC, h m s, Res ISC

TWC	baz=313	i	Sb	11 04 57.9	-1.3
ETM	baz=252	P	Pb	11 04 48.9	-0.7
ETM	baz=252	S	Sb	11 05 01.6	+0.3
TEGC	baz=245	eP	Pb	11 04 49.0	-0.7
TEGC	baz=245	eS	Sb	11 05 01.6	+0.2
ETLH	baz=277	S	Sb	11 05 02.1	-0.1
NDS	baz=308	P	Pb	11 04 49.8	-0.4
NDS	baz=308	S	Sb	11 05 02.1	-0.1
EGS	baz=327	i	P	11 04 49.8	-0.4
LXIB	baz=266	P	Pn	11 04 50.3	+0.3
ESL	baz=243	P	Pn	11 04 49.9	0.0
ESL	baz=243	S	Sb	11 05 02.1	-1.2
ILA	baz=316	eP	Pb	11 04 51.1	+0.6
LATG	baz=297	S	Sn	11 05 06.1	+2.4
LATG	baz=297	S	Sn	11 05 06.1	+2.4
EGFH	baz=246	eS	Sb	11 05 03.9	-0.7
EGFH	baz=246	eS	Sb	11 05 03.9	-0.7
TWE	baz=311	i	P	11 04 51.7	+0.7
TWE	baz=311	i	P	11 04 51.7	+0.7
WARBT	baz=240	eP	Pn	11 04 50.5	-0.3
ENTT	baz=304	i	P	11 04 51.6	+0.8
ENTT	baz=304	S	Sn	11 05 05.3	+1.0
NDT	baz=300	S	Sn	11 04 51.7	+0.7
NDT	baz=300	S	Sn	11 05 05.9	+1.2
NNSB	baz=289	i	P	11 04 51.8	+0.3
NNSB	baz=289	i	P	11 04 51.8	+0.3
TWB1	baz=351	S	Sb	11 05 06.0	-0.5
TWB1	baz=351	S	Sb	11 05 05.6	+0.1
HWGSD	baz=238	P	Pn	11 05 05.8	-0.9
HWGSD	baz=238	P	Pn	11 05 05.8	-0.9
NNS	baz=289	i	P	11 04 51.6	+0.1
NNS	baz=289	i	P	11 04 52.2	+0.6
FUSB	baz=310	S	Sb	11 05 07.2	+1.5
FUSB	baz=310	S	Sb	11 04 52.5	+0.8
WHF	baz=273	P	Pn	11 05 07.2	+1.5
WHF	baz=273	S	Sb	11 05 07.2	+1.5
TIPB	baz=326	S	Sn	11 04 52.6	+0.5
TIPB	baz=326	S	Sn	11 05 06.8	+0.3
ECBN	baz=230	P	Pn	11 04 52.7	+0.2
ECBN	baz=230	S	Sn	11 05 07.6	+0.3
EHY	baz=240	i	P	11 04 53.2	+0.6
EHY	baz=240	S	Sn	11 05 07.7	+0.3
NWLT	baz=308	P	Pb	11 04 54.1	-0.1
NWLT	baz=308	S	Sb	11 05 09.6	+0.6
OWD	baz=263	P	Pn	11 04 53.8	+0.8
OWD	baz=263	eS	Sb	11 05 07.2	-0.9
CHGB	baz=256	P	Pn	11 04 53.7	+0.6
CHGB	baz=256	S	Sn	11 05 09.0	+0.7
IRIF	baz=224	S	Sn	11 04 54.0	+1.1
IRIF	baz=224	S	Sn	11 05 09.6	0.0
IRIF	baz=224	A	A	11 04 54.0	0.0
YHNB	baz=288	P	Pn	11 04 54.0	+0.9
YHNB	baz=288	P	Pn	11 04 54.0	+0.9
YHNB	baz=288	eS	Sb	11 05 10.1	+0.2
SX1I	baz=339	P	Pn	11 04 53.4	+0.1
SX1I	baz=339	P	Pn	11 04 54.4	+1.0
TWT	baz=265	eS	Sn	11 05 09.7	+1.0
TWT	baz=265	eS	Sn	11 05 09.7	+1.0
NSK	baz=288	i	P	11 04 54.0	+0.7
NSK	baz=288	S	Sb	11 05 10.2	-0.2
HATJ	baz=224	P	Pn	11 04 54.2	+0.9
HATJ	baz=224	S	Sb	11 05 10.2	-0.2
HATJ	baz=224	A	A	11 04 54.2	+0.7
NWF	baz=328	S	Sb	11 05 11.0	+0.2
NWF	baz=328	S	Sb	11 05 11.0	+0.2
WFSB	baz=296	eP	Pn	11 04 53.4	-0.1
WFSB	baz=296	eS	Sb	11 05 10.9	+0.1
WUSB	baz=265	eP	Pn	11 04 54.5	+0.8
WUSB	baz=265	eS	Sn	11 05 10.2	+0.8
YULB	baz=235	P	Pn	11 04 54.2	+0.6
YULB	baz=235	P	Pn	11 04 54.6	+0.9
VWDT	baz=254	eP	Pn	11 04 54.6	+1.0
VWDT	baz=254	eS	Sn	11 05 10.4	+1.0
TWF1	baz=224	S	Sn	11 04 54.6	+0.7
TWF1	baz=224	S	Sn	11 05 11.0	+1.3
NHDH	baz=331	eP	Pb	11 04 55.7	-0.3
NHDH	baz=331	eS	Sb	11 05 12.3	+0.1
TNOU	baz=329	P	Pn	11 04 54.6	+0.1
TNOU	baz=329	S	Sn	11 05 11.0	+0.2
TATO	baz=329	P	Pb	11 04 56.3	-0.3
TATO	baz=329	P	Pb	11 04 55.2	+0.1
CHKT	baz=225	eP	Pn	11 04 54.9	-0.4
CHKT	baz=225	eP	Pn	11 04 54.9	-0.4
NFF	baz=285	eP	Pn	11 04 56.4	+0.7
NFF	baz=285	eP	Pn	11 04 56.4	+0.7
YM01	baz=322	eP	Pn	11 04 56.0	+0.2
YM01	baz=322	eP	Pn	11 04 56.0	+0.2
SSLB	baz=247	P	Pn	11 04 57.7	+1.8
SSLB	baz=247	P	Pn	11 04 56.5	+0.6
WHP	baz=268	P	Pb	11 04 58.0	-0.5
WHP	baz=268	P	Pb	11 04 58.0	-0.5
JKRS	baz=80	P	Pn	11 04 57.4	+1.3
JKRS	baz=80	S	Sb	11 05 15.0	+0.6
JKRS	baz=80	A	A	11 04 57.4	0.0
YM08	baz=324	eP	Pn	11 04 56.5	+0.3

WCS	Beigang Elemen	1.43 272	eP	Pn	11 04 57.3	+1.1
EHD	Haiduan	1.44 234	eP	Pn	11 04 56.3	-0.1
SMLT	Sun Moon Lake	1.45 265	eP	Pb	11 04 59.0	+0.1
TWS1	Kuangyinsinshan	1.45 319	eP	Pn	11 04 57.3	+0.8
ANP	Anpu	1.46 324	eP	Pn	11 04 57.6	+0.9
ENC	Chishang	1.47 232	eP	Pn	11 04 56.5	-0.2
LIOB	Emei	1.47 296	P	Pb	11 04 58.8	-0.5
NSTT	Nanjiang	1.48 295	P	Pb	11 04 58.9	-0.4
NTST	Danshui	1.48 321	eP	Pn	11 04 57.6	+0.8
TYC	Fuchui	1.48 266	eP	Pn	11 04 58.7	+1.8
EDH	Donghe	1.49 226	P	Pn	11 04 57.0	0.0
EDH	baz=214		S	Sn	11 05 15.6	+0.3
TWY	Chenhua	1.49 328	eP	Pb	11 04 59.0	-0.6
NCUH	Zhongli	1.51 309	eP	Pb	11 04 59.3	-0.6
WHYT	Xinyi Township	1.52 258	eP	Pb	11 04 59.6	-0.4
ELDTW	Lidau	1.56 239	P	Pn	11 04 58.1	-0.1
ELDTW	baz=235		S	Sn	11 05 16.3	-1.1
JJJ	Ishigaki jima	1.56 77	P	Pn	11 04 58.6	+0.6
JJJ	Ishigaki jima	1.56 77	eS	Sb	11 05 17.5	+0.3
JJJ	Ishigaki jima	1.56 77	A	A	11 04 58.6	0.0
SBCB	Hsinchu	1.56 300	eP	Pb	11 04 59.6	+1.6
TWQ1	Liyutan	1.59 283	P	Pb	11 05 00.8	-0.4
ALS	Alishan	1.61 252	eP	Pn	11 05 00.6	+1.7
WJS	Zhushan	1.61 264	eP	Pb	11 05 01.0	-0.5
NSY	Sanyi	1.61 285	P	Pb	11 05 01.2	-0.5
NSY	baz=281		eS	Sb	11 05 22.3	+0.5
NMLH	Miaoli	1.62 289	eP	Pn	11 04 59.8	+0.9
WNT	Mingjian	1.64 266	P	Pb	11 05 01.9	-0.3
TCU	Tainung	1.65 275	eP	Pn	11 05 00.9	+1.7
LONT	Longtian	1.65 229	eP	Pn	11 04 59.8	+0.5
PCYT	Pengchayiu	1.66 347	P	Pn	11 05 00.1	+0.8
CHNS	Tsauling	1.69 256	eP	Pb	11 05 02.9	-0.2
WDJ	Dajia District	1.71 282	eP	Pn	11 05 00.9	+0.9
TTN	Taitung	1.75 225	eP	Pn	11 05 01.8	+1.3
TWGBT	Beinan	1.75 227	P	Pn	11 05 01.4	+0.9
TWGBT	Beinan	1.75 227	eP	Pn	11 05 00.2	-0.3
TWG	Pinlang	1.75 228	eP	Pn	11 05 00.9	+0.3
STYH	Taoyuan	1.77 242	eP	Pn	11 05 02.3	+1.5
JISG	Ishigakijimahi	1.77 71	P	Sn	11 05 01.5	+0.6
JISG	Ishigakijimahi	1.77 71	S	Sn	11 05 22.6	+0.3
JISG	Ishigakijimahi	1.77 71	A	A	11 05 01.5	0.0
WDLH	Douliu	1.80 260	eP	Pb	11 05 05.1	+0.3
TPUB	Ta-pu	1.83 248	eP	Pn	11 05 03.8	+2.1
CHN4	Tsushan	1.84 250	eP	Pb	11 05 04.8	-0.8
WTP	Ta-pu	1.87 246	eP	Pb	11 05 05.1	-0.9
WRL	Guolierlin Hig	1.92 267	eP	Pn	11 05 04.8	+1.8
WTK	Tuku	1.94 261	eP	Pn	11 05 05.7	+2.6
CHY	Chiayi	1.94 255	eP	Pb	11 05 06.7	-0.6
SLGT	Lugui	1.96 239	eP	Pn	11 05 06.2	+2.7
CHN1	Nanshi	1.96 246	eP	Pb	11 05 07.3	-0.3
TWK	Hsiinying	1.96 248	eP	Pn	11 05 06.2	+2.6
SNST	Tainan City	1.98 247	eP	Pb	11 05 07.6	-0.2
ECL	Tainanli	1.98 225	eP	Pn	11 05 03.8	+0.1
SSD	Sandimen	2.11 234	eP	Pn	11 05 06.8	+1.3
ICHU	Yijhu	2.11 253	eP	Pn	11 05 07.4	+1.9
WSL	Shulin Townsh	2.11 257	eP	Pn	11 05 08.5	+2.9
TSMG	Majia	2.12 233	eP	Pn	11 05 07.4	+1.7
JTJ	Tarama	2.13 72	eP	Sn	11 05 07.0	+1.3
JTJ	Tarama	2.13 72	eS	Sn	11 05 32.6	+1.5
JTJ	Tarama	2.13 72	A	A	11 05 07.0	0.0
SCST	Cisshan	2.13 239	eP	Pb	11 05 09.3	-1.2
LAY	Lan-yu	2.14 204	eP	Pn	11 05 06.3	+0.4
LYUB	Lan-yu	2.16 202	eP	Pn	11 05 05.7	-0.5
SHHT	Tainan City	2.19 244	eP	Pb	11 05 10.4	-0.9
EAST	Anshuo	2.20 223	eP	Pn	11 05 07.6	+0.7
TAWH	Dawu Township	2.21 222	eP	Pn	11 05 07.1	+0.2
TWMT	Shoushan	2.22 238	eP	Pb	11 05 11.9	-0.1
JIRB	Irabujima	2.59 71	eP	Sn	11 05 13.8	+1.7
JIRB	Irabujima	2.59 71	eS	Sn	11 05 42.8	+0.2
JKIM	Ikemajima	2.69 70	eP	Sn	11 05 15.3	+1.8
JKIM	Ikemajima	2.69 70	eS	Sn	11 05 46.1	+1.1
JMJ2	Miyako jima 2	2.79 72	P	Pn	11 05 16.3	+2.7
JMJ2	Miyako jima 3	2.79 72	P	Pn	11 05 15.7	+2.0
JMJ2	Miyako jima 3	2.79 72	S	Sn	11 05 47.6	+2.3
JOGS	Gusukube	2.78 74	eP	Sn	11 05 17.1	+2.4
JOGS	Gusukube	2.78 74	S	Sn	11 05 49.8	+2.6
JOW	Kunigami	5.95 61	Pn	Pn	11 05 57.2	-1.1
JOW	Kunigami	5.95 61	Pn	Pn	11 05 57.2	-1.1
CGAR	Chiang Mai Arr	22.61 260	P	P	11 09 30.4	-0.2
CGAR	Chiang Mai Arr	22.61 260	P	P	11 09 30.4	-0.2
CGAR	Chiang Mai Arr	22.61 260	P	P	11 09 30.4	-0.2
GUMG	Gumgum	23.56 112	LR	LR	11 18 15.0	0.0
ASAJ	Asahikawa	25.96 34	LR	LR	11 20 12.4	0.0
KLR	Kul'dur	26.21 14	LR	LR	11 20 57.4	0.0
SONM	Songino Array	27.00 336	P	P	11 10 10.0	-1.5
SONM	Songino Array	27.00 336	P	P	11 10 10.0	-1.5

comp=N,101nm,20.1s, baz=162,slow=39					
comp=N,1.6nm,0.7s					
MKAR	Makanchi Array	39.28 316	P	P	11 11 57.4 -0.9
MKAR	Makanchi Array	39.28 316	P	P	11 11 57.4 -0.9
MKAR	Makanchi Array	39.28 316	P	P	11 11 57.4 -0.9
PETK	Petrovovsk	39.36 33	LR	LR	11 28 51.9
MA2	Magadan	40.70 22	LR	LR	11 29 41.1
ZALV	Zalesovo Beam	41.03 327	P	P	11 12 10.8 -1.9
KURBB	Kurchatov Arra	43.00 320	P	P	11 12 27.9 -0.9
AAK	Ala-Archa	43.55 307	LR	LR	11 33 00.1
WRA	Warramunga Arr	45.19 164	P	P	11 12 47.5 +0.9
BVAR	Borovoye Array	48.56 321	P	P	11 13 12.2 -0.3
BVAR	Borovoye Array	48.56 321	P	P	11 13 12.2 -0.3
BVAR	Borovoye Array	48.56 321	P	P	11 13 12.2 -0.3
ASAR	Alice Springs	48.67 166	P	P	11 13 15.6 +1.8
CTA	Charters Tower	49.58 150	LR	LR	11 34 50.7
GEYT	Alibek	55.90 301	P	P	11 14 07.8 +0.4
KIRV	Kirov				

3d 11h

Table with columns: YHNB, YHNB, YHNB, NSK, NSK, TWD, TWD, NNSB, NNSB, ET LH, ET LH, NNS, NNS, IRIF, ETM, LXIB, NFF, WHF, WHF, TWT, LIOB, HATJ, NSTT, OWD, JKRS, WUSB, WHP, JIU, HGSD, VWDT, WCS, EHY, JISG, SMLT, SSLB, SSLB, TYC, YULB, TWF1, WHYT, FULB, JTB, TPUB

IDC 03 11:20:36.1±2.1, 12.76Sx168.98E, h675km, 29km, mb3.2/5, mbtmp4.3/6, Error ellipse: s-maj=31.0km s-min=15.0km az=164.0

ISC 03 11:20:34.3±1.1, 12.75Sx169.00E:0.1, h650km, n7, +0.88J, mb4.2/5, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Op, ISC, Time, Res, ISC

IDC 03 11:23:04.6±2.4, 13.49N:91.04W, h0km, mb3.8/5, mbtmp3.8/7, ML4.0/2, MS3.3/3, Error ellipse: s-maj=45.7km s-min=26.2km az=165.0

CATAC 03 11:23:08.0±0.4, 13.55N:91.27W, h10km, 3km, MB4.4, mb4.5, ML4.4, Hypocentre not reviewed by the ISC

SNET 03 11:23:09.9±1.4, 13.69N:91.13W, h1km, 10km, ML4.3, NEIC 03 11:23:12.6±1.6, 13.65N:0.04:91.25W:0.09, h35km, 2km, mb4.1/29, Error ellipse: s-maj=15.3km s-min=5.1km az=249.0

GCG 03 11:23:13.3±0.6, 14.02N:91.20W, h81km, 6km, MD4.2, ISC 03 11:23:12.0±1.4, 13.65N:0.07:91.21W:0.05, h40km, 14km, n81, 1900/84, mb4.0/16, 1C, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Op, ISC, Time, Res, ISC

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Main table with columns: NUBE, NUBE, NUBE, SMSP, SMSP, SMSP, LOAL, LOAL, LOAL, SLOZ, SLOZ, SLOZ, SMCA, SMCA, SMCA, RTR, JAMO, JAMO, CEVE, CEVE, CEVE, SBL, SBL, SBL, SNU, SNU, SNU, JUAM, JUAM, JUAM, QUIS, QUIS, QUIS, QUIS, QUIS, HUEH, HUEH, HUEH, HUEH, HUEH, JAYA, JAYA, JAYA, CEDA, CEDA, CEDA, LALI, LALI, LALI, LALI, LALI, PMON, PMON, PMON, MAGS, MAGS, MAGS, ITCA, ITCA, ITCA, QUEZ, QUEZ, QUEZ, QUEZ, QUEZ, SNET, SNET, SNET, MTO3, MTO3, MTO3, MTO3, MTO3, UTEC, UTEC, UTEC, PANCS, PANCS, PANCS, LOMA, LOMA, LOMA, LOMA, LOMA, IGN, IGN, IGN, UDBS, UDBS, UDBS, ESQUI, ESQUI, ESQUI, ESQUI, ESQUI, SJTE, SJTE, SJTE, SJTE, SJTE, PAVA, PAVA, PAVA, LLGN, LLGN, LLGN, COEG, COEG, COEG, COEG, COEG, UESV, UESV, UESV, TECO, TECO, TECO, SCLA, SCLA, SCLA, COEB, COEB, COEB, PACA, PACA, PACA, LONC, LONC, LONC, LONC, LONC, LONC, CNCH, CNCH, CNCH

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Table with columns: CNCH, CNCH, PETF, PETF, PETF, TGUH, TGUH, TGUH, CRIN, CRIN, CRIN, PKGN, PKGN, PKGN, CNMG, CNMG, CNMG, MOMM, MOMM, MOMM, COPN, COPN, COPN, CMIG, CMIG, CMIG, APYN, APYN, APYN, MATN, MATN, MATN, MATN, MATN, ACON, ACON, ACON, ORTG, ORTG, ORTG, DUNO, DUNO, DUNO, ESPN, ESPN, ESPN, JTS, JTS, JTS, ARE1, ARE1, ARE1, TEIG, TEIG, TEIG, TEIG, TEIG, REIG, REIG, REIG, MTDJ, MTDJ, MTDJ, HNVL, HNVL, HNVL, HNVL, HNVL, HNDO, HNDO, HNDO, BRAL, BRAL, BRAL, DRIO, DRIO, DRIO, BRDY, BRDY, BRDY, SAND, SAND, SAND, TX31, TX31, TX31, TXAR, TXAR, TXAR, TXAR, TXAR, OZNA, OZNA, OZNA, PLPT, PLPT, PLPT, MNHN, MNHN, MNHN, SN01, SN01, SN01, PECS, PECS, PECS, Y52A, Y52A, Y52A, APMT, APMT, APMT, 425A, 425A, 425A, MNTX, MNTX, MNTX, MNTX, MNTX, SMWD, SMWD, SMWD, TKL, TKL, TKL, TKL, TKL, AMTX, AMTX, AMTX, V53A, V53A, V53A, S39A, S39A, S39A, U54A, U54A, U54A, 113A, 113A, 113A, PFO, PFO, PFO, PDAR, PDAR, PDAR, ETMB, ETMB, ETMB, REDW, REDW, REDW, NVAR, NVAR, NVAR, SCHO, SCHO, SCHO, ILAR, ILAR, ILAR, WRA, WRA, WRA, CMAR, CMAR, CMAR

IDC 03 11:52:04.0±0.6, 18.55N:106.83W, h0km, mb4.4/16, mbtmp4.4/21, ML4.4/4, MS5.2/65, Error ellipse: s-maj=23.1km s-min=14.9km az=67.0, MEX 03 11:52:06.9±0.8, 18.71N:106.52W, h16km, 999km, MD5.6, Mw5.6, MOS 03 11:52:07.3±1.2, 18.69N:106.52W, h14km, mb5.6/23, MS5.2/13, Error ellipse: s-maj=11.0km s-min=6.5km az=94.5, NEIC 03 11:52:09.1, 18.66N:106.56W, h20km, NEIC 03 11:52:09.3, 18.68N:106.59W, h10km, NEIC 03 11:52:09.1±1.7, 18.66N:106.56W:0.05, h10km, 1km, mb5.3/523, Ms 20.5/2787, Mw5.6/24, Mw5.7/45, Md5.6/196(MEX), Error ellipse: s-maj=10.9km s-min=8.7km az=172.0, Moment Tensor Solution, Moment tensor: Scale 10^17 Nm; Mm-0.77; Mw-1.40;

M₀=2.18; M₁=0.18; M₂=2.27; M₃=0.73; Fault plane solution: M₃.060000*1017 NP1₃.109.440000*.873.780000*, λ=175.090000°. NP2₃.18.070000*.885.290000*, λ=16.280000°. Principal axes: T 3.3555, Pz8.0000, Azm65.0000°; N -0.7299, Plg73.0000°, Azm182.0000°; P -2.6256, Plg15.0000°, Azm333.0000°.

NEIC 03 11:52:09.1, 18.46N, 106.46W, h20km, Moment Tensor Solution. Duration: 399 Moment tensor: Scale 10¹⁷Nm; M₀0.31; M₁-1.90; M₂1.58; M₃-0.80; M₄-3.52; M₅2.29; Fault plane solution: M₄.570000*1017 NP1₃.15.80000*, δ77.170000°, λ25.550000°. NP2₃.27940000*.665.130000*, λ166.830000°. Principal axes: T 4.9825, Plg27.0000°, Azm240.0000°; N -0.8194, Plg62.0000°, Azm41.0000°; P -4.1631, Plg8.0000°, Azm146.0000°.

GCMT 03 11:52:09.1, 18.79N, 0.01:106.57W, 0.01, h15km, MW5.6/151, Moment Tensor Solution. s128.c233; s151.c307; Duration: 156 Moment tensor: Scale 10¹⁷Nm; M₀-0.08±0.03; M₁-1.57±0.04; M₂1.65±0.04; M₃0.13±0.06; M₄-3.00±0.03; M₅0.34±0.07; Best double couple: M₃.34240000*1017 NP1₃.194.000000*.889.000000*, λ=6.000000°. NP2₃.284.000000*.884.000000*, λ=179.000000°. Principal axes: T 3.4580, Plg4.0000°, Azm239.0000°; N -0.0730, Plg94.0000°, Azm5.0000°; P -3.3900, Plg5.0000°, Azm149.0000°. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IPGP 03 11:52:10.0, 18.74N, 106.64W, h6km, MW5.7, Fault plane solution: NP1₃.14.000000*.677.000000*.λ=1.000000°. NP2₃.104.000000*.889.000000*.λ=167.000000°. Hypocentre not reviewed by the ISC

ISC 03 11:52:05.9, 0.7, 18.67N, 0.03:106.45W, 0.02, h2km±4km, n1631, c2534/1175, mb5.3/254, MS5.2/454, 28C-19D, Off coast of Jalisco

Code	Station Name	Δ ^s	AZ ^l	Phase ID	Time Op	Res
Code	Station Name	Δ ^s	AZ ^l	Phase ID	Time Op	Res
CJM	Chamela	1.57	58	IP	11 52 30.9	-4.0
CJM				ES	11 52 50.0	-5.7
CHU	Emiliano Zapata	1.73	70	IP	11 52 33.1	-3.9
CHU				ES	11 52 54.2	-5.5
PVUA	Puert Vallarta	2.27	31	IP	11 52 41.8	-2.7
PVUA				ES	11 53 09.4	-3.7
PVUA	Puert Vallarta	2.27	31	EP	11 52 41.8	-2.7
PVUA				ES	11 53 09.4	-3.7
CDAR	Ciudad de Arme	2.33	83	IP	11 52 41.7	-3.6
CDAR				ES	11 52 40.1	-4.4
R15V		2.39	77	IP	11 52 27.9	-1.9
R15V				ES	11 52 58.0	-1.8
CEGR	Campo Tres	2.56	73	IP	11 52 45.9	-2.7
CEGR				ES	11 53 17.8	-5.9
CEGR	Comala	2.63	75	IP	11 52 47.5	-1.9
CEGR				ES	11 53 18.5	-3.5
COIG	Colima	2.66	78	EP	11 52 46.6	-3.4
COIG				ES	11 53 18.9	-4.0
MNGA	Volcan de Coli	2.79	73	EP	11 52 50.0	-1.9
MNGA				ES	11 53 20.5	-5.8
SOMAC	Volcano de Col	2.80	72	EP	11 52 50.1	-2.0
SOMAC				ES	11 53 22.9	-3.8
EZSV		2.81	73	IP	11 52 50.4	-1.8
EZSV				ES	11 52 50.4	-1.8
EZSV	Volcan de Coli	2.83	72	IP	11 52 28.9	+2.1
EZSV				ES	11 52 54.1	-4.1
INCO		2.83	72	IP	11 52 22.9	-5.0
JUBC	Volcan de Coli	2.85	72	EP	11 52 50.8	-2.0
JUBC				ES	11 53 22.9	-5.0
MMIG	Ahuacatlan	2.97	97	IP	11 52 50.8	-3.4
MMIG				ES	11 53 24.1	-6.2
MMIG	Ahuacatlan	2.97	97	EP	11 52 50.8	-3.4
MMIG				ES	11 53 24.1	-6.2
ANIG	Ahuacatlan	2.99	37	IP	11 53 31.3	+0.2
ANIG				ES	11 52 52.9	-1.6
ANIG	Ahuacatlan	2.99	37	IP	11 53 31.3	+0.2
ANIG				ES	11 52 52.9	-1.6
HO6E		4.24	272	EP	11 53 05.1	-6.4
HO6E				ES	11 53 48.8	-1.3
HO6E1	SOCORRO T-PHAS	4.24	272	Pn	11 53 04.8	-6.8
HO6E1				Sn	11 53 49.4	-12
HO6E1				T	11 57 17.4	
HO6S1	SOCORRO T	4.27	272	Pn	11 53 07.0	-5.0
HO6S1				Sn	11 53 50.0	-12
HO6S1				T	11 57 17.2	
HO6S		4.27	272	EP	11 53 06.3	-5.7
HO6S				ES	11 53 52.1	-10
HO6S				ES	11 53 06.3	-5.7
HO6S				ES	11 53 52.1	-10
HO6N1	SOCORRO T-PHAS	4.30	273	T	11 57 18.3	
HO6N	Isla Socorro	4.30	273	Pn	11 53 07.0	-5.4
HO6N				ES	11 53 50.2	-13
HO6N	Isla Socorro	4.30	273	EP	11 53 07.0	-5.4
HO6N				ES	11 53 50.2	-13
MAIG	Mazatlan	4.50	0	IP	11 53 12.3	-2.8
MAIG				ES	11 54 03.0	-5.0
MAIG	Mazatlan	4.50	0	IP	11 53 12.3	-2.8
MAIG				ES	11 54 03.0	-5.0
MAIG	Zihuatanejo	4.86	102	EP	11 53 16.4	-3.6
MAIG				ES	11 54 05.7	-11
ZIIG	Zihuatanejo	4.86	102	EP	11 53 16.4	-3.6
ZIIG				ES	11 54 05.7	-11
AAIG	Agusalientes	5.04	49	IP	11 53 19.7	-3.1
AAIG				ES	11 54 17.5	-4.2
AAIG	Agusalientes	5.04	49	EP	11 53 19.7	-3.1
AAIG				ES	11 54 17.5	-4.2
MOIG	Morelia	5.08	78	EP	11 53 22.0	-1.3
MOIG				ES	11 54 25.4	+2.8
ZAIG	Zacatecas	5.47	41	EP	11 53 23.0	-5.7
ZAIG				ES	11 54 28.1	-4.3
ARIG	Puente Sto Nin	5.81	93	IP	11 53 32.1	-1.0
ARIG				ES	11 54 34.7	-0.9
ARIG	Puente Sto Nin	5.81	93	IP	11 53 32.1	-1.0
ARIG				ES	11 54 34.7	-0.9
SLBS	Sierra La Lagu	5.96	327	Pn	11 53 34.6	-0.8
SLBS				Pb	11 53 42.3	-8.4
SLBS	Sierra La Lagu	5.96	327	EP	11 53 34.6	-0.8
SLBS				ES	11 54 34.6	-0.6
JRQC	Juriquilla Cam	6.01	69	EP	11 53 36.9	-0.3
CAIG	El Cayaco	6.11	104	EP	11 54 41.9	-5.8
CAIG				ES	11 53 36.9	-0.3
CAIG	El Cayaco	6.11	104	EP	11 54 41.9	-5.8
CAIG				ES	11 53 36.9	-0.3
SSIG	Sanalona	6.16	354	IP	11 54 36.1	-1.5
SSIG				ES	11 54 47.7	-4.3
SSIG	Sanalona	6.16	354	IP	11 54 36.1	-1.5
SSIG				ES	11 54 47.7	-4.3
ATVM	ATLACOMULCO	6.34	79	IP	11 53 40.9	+0.2
ATVM				ES	11 54 54.4	+0.5
ATVM	ATLACOMULCO	6.34	79	EP	11 53 40.9	+0.2
ATVM				ES	11 54 54.4	+0.5
ACIG	Acambay	6.34	77	EP	11 53 40.9	+0.3
ACIG				ES	11 54 55.4	+1.6
ACIG	Acambay	6.34	77	EP	11 53 40.9	+0.3
ACIG				ES	11 54 55.4	+1.6
PDIG	Papasquiario	6.42	9	EP	11 54 56.9	+1.1
PDIG				ES	11 53 42.6	+0.9
PDIG	Papasquiario	6.42	9	EP	11 54 56.9	+1.1
PDIG				ES	11 53 42.6	+0.9
TOVM	TOLUCA	6.44	83	EP	11 53 40.9	-1.2
TOVM				ES	11 53 43.6	-1.6
TOVM	TOLUCA	6.44	83	EP	11 53 40.9	-1.2
TOVM				ES	11 53 43.6	-1.6
MEIG	Mezcala	6.53	95	EP	11 53 42.7	-0.5
MEIG				ES	11 54 53.5	-4.9
MEIG	Mezcala	6.53	95	EP	11 53 42.7	-0.5
MEIG				ES	11 54 53.5	-4.9
PLIG	Platanillo	6.60	91	EP	11 53 42.5	-1.6
PLIG				ES	11 55 00.7	+0.7
PLIG	Platanillo	6.60	91	EP	11 53 42.5	-1.6
PLIG				ES	11 55 00.7	+0.7
DAIG	Los Arroyos	6.68	103	EP	11 53 43.6	-1.6
DAIG				ES	11 53 43.6	-1.6
INVM	Los Arroyos	6.68	103	EP	11 53 43.6	-1.6
INVM				ES	11 53 43.6	-1.6
INVM	La Marquesa	6.72	84	EP	11 53 45.1	-0.9
INVM				ES	11 55 06.0	+2.7
CJVM	Cuajimalpa	6.81	83	EP	11 53 44.2	-3.0
CJVM				ES	11 55 08.8	+3.2

Code	Station Name	Δ ^s	AZ ^l	Phase ID	Time Op	Res
RPIG	Rio Verde	6.87	61	IP	11 53 48.4	+0.6
RPIG				ES	11 55 00.6	-6.0
RPIG	Rio Verde	6.87	61	IP	11 53 48.4	+0.6
RPIG				ES	11 55 00.6	-6.0
UNM	Universidad Na	6.91	83	EP	11 53 57.4	+8.8
UNM				ES	11 55 46.4	+7.9
UNM	Universidad Na	6.91	83	EP	11 55 02.2	+2.2
UNM				ES	11 55 10.2	+2.2
BJVM	Benito Juarez	6.92	83	EP	11 53 47.9	-0.8
BJVM				ES	11 54 57.3	-1.1
TLVM	San Miguel Top	6.93	84	EP	11 53 46.5	-2.4
TLVM				ES	11 55 12.6	+4.1
COVM	Coyoacan	6.94	83	EP	11 53 47.9	-0.8
COVM				ES	11 55 13.2	+4.7
XCVM	Xochimilco	6.97	84	EP	11 53 48.8	-0.5
XCVM				ES	11 55 13.5	+4.2
YRVM	Mexico City	6.98	83	EP	11 53 48.8	-0.5
YRVM				ES	11 55 09.7	0.0
PTVM	Pico Tres Padr	7.00	81	EP	11 53 47.6	0.0
PTVM				ES	11 55 14.9	+4.8
PTVM	Pico Tres Padr	7.00	81	EP	11 53 47.6	0.0
PTVM				ES	11 55 14.9	+4.8
YAGI	Yatepec	7.00	87	EP	11 53 49.6	0.0
YAGI				ES	11 55 13.8	+1.4
YAGI	Yatepec	7.00	87	EP	11 53 49.6	0.0
YAGI				ES	11 55 13.8	+1.4
PBVM	Pinon	7.01	82	EP	11 53 48.8	-0.8
PBVM				ES	11 55 14.9	+4.9
PBVM	Pinon	7.01	82	EP	11 53 48.8	-0.8
PBVM				ES	11 55 14.9	+4.9
MPVM	San Francisco	7.06	84	EP	11 53 50.2	-1.4
MPVM				ES	11 55 10.2	-1.4
ZUMV	ZUMPANGO	7.06	79	EP	11 53 50.2	-1.4
ZUMV				ES	11 55 18.1	+6.5
ZUMV	ZUMPANGO	7.06	79	EP	11 53 50.2	-1.4
ZUMV				ES	11 55 18.1	+6.5
ZUMV	ZUMPANGO	7.06	79	EP	11 53 50.2	-1.4
ZUMV				ES	11 55 18.1	+6.5
THVM	De Xico	7.11	84	EP	11 55 12.6	-1.7
THVM				ES	11 55 09.6	-3.2
THVM	De Xico	7.11	84	EP	11 55 12.6	-1.7
THVM				ES	11 55 09.6	-3.2
TXVM	Universitario	7.17	83	EP	11 53 50.2	-2.1
TXVM				ES	11 55 13.8	-0.8
DEIG	Demacu	7.18	76	EP	11 53 50.2	-2.1
DEIG				ES	11 55 13.8	-0.8
DHIG	Demacu	7.18	76	EP	11 53 50.2	-2.1
DHIG				ES	11 55 13.8	-0.8
CRIG	Cruz Grande	7.24	104	EP	11 53 52.3	-0.5
CRIG				ES	11 55 09.8	-5.8
CRIG	Cruz Grande	7.24	104	EP	11 53 52.3	-0.5
CRIG				ES	11 55 09.8	-5.8
AMVM	AMECAMECA	7.27	85	EP	11 55 16.0	-0.9
AMVM				ES	11 53 53.5	-0.1
AMVM	AMECAMECA	7.27	85	EP	11 55 16.0	-0.9
AMVM				ES	11 53 53.5	-0.1
TSIG	Topolobambo	7.31	341	IP	11 53 52.5	-1.2
TSIG				ES	11 55 14.9	+4.9
TSIG	Topolobambo	7.31	341	IP	11 53 52.5	-1.2
TSIG				ES	11 55 14.9	+4.9
VTVM	Tizayuca	7.34	80	EP		

Table with columns: ANMO, comp, Z, 10um, 20.1s, baz, =278, slow=36, LR, LR, 12 01 52.6, 11 55 59.0 -0.4, 11 56 06.5, 11 55 58.0 -2.0, 11 55 57.3 +0.2, 11 59 16.3 +4.2, 11 55 57.9 -2.5, 11 55 59.0 -1.4, 11 55 59.4 +2.1, 11 56 00.2 -1.3, 11 56 02.0 -1.2, 11 56 02.6 -0.5, 11 56 08.8, 11 56 03.9 +0.2, 11 56 10.3, 11 56 03.8 +0.2, 11 56 03.8 +0.2, 11 59 12.7 -6.1, 11 56 12.0, 11 56 09.6, 11 56 02.2 -2.1, 11 59 13.5 -6.6, 11 56 12.3, 11 56 03.1 -1.9, 11 56 02.6 -0.2, 11 59 23.7 +2.4, 11 56 07.6 +1.3, 11 56 17.1, 11 56 05.7 -0.9, 11 56 07.7 +0.8, 11 56 16.0, 11 56 05.1 +0.1, 11 59 17.6 +3.0, 11 56 06.4 -0.7, 11 56 06.8 -1.0, 11 56 07.0 -0.9, 11 56 09.4 +0.1, 12 03 20.2, 11 56 02.8 -4.9, 11 56 09.9 0.0, 11 56 19.2, 11 56 11.6 +0.7, 11 56 11.3 +0.3, 11 56 11.2 +0.1, 11 56 10.4 -0.7, 11 56 09.1 -2.0, 12 02 02.9, 11 56 10.3 -1.0, 11 56 09.9 -1.5, 11 59 25.6 +1.3, 11 56 13.3 +0.8, 11 56 13.6 0.0, 11 56 24.1, 11 56 15.3 +0.6, 11 56 26.4, 11 56 14.4 -1.3, 11 59 47.9 +6.9, 11 56 24.0, 11 56 30.0, 11 56 19.1 +0.8, 11 56 21.3 +1.8, 11 56 20.6 +0.8, 11 56 22.9 +1.1, 11 56 22.2 +0.4, 11 56 23.3 +0.3, 11 56 24.4 +1.1, 11 56 35.5, 11 56 24.7 +1.1, 11 56 25.0 +0.8, 11 56 25.7 +1.1, 11 56 25.6 +1.1, 11 56 34.1, 11 56 25.5 +0.1, 11 56 26.5 +0.9, 11 56 26.9 +1.3, 11 56 26.8 +1.1, 11 59 57.8 -1.0, 11 56 26.5 +0.0, 11 56 27.5 +0.3, 11 56 37.4, 11 56 28.4 +0.9, 12 00 00.4 -1.6, 11 56 29.7 +0.7, 11 56 32.5 +3.2, 11 56 41.9, 11 56 28.8 +0.1, 11 56 42.6, 11 56 29.3 -0.1, 11 56 29.3 -0.1, 12 00 07.2 +2.0, 12 00 07.2 +2.0

Table with columns: S22A, 4UR Ranch, Cre, baz=180, SNR=29, 19.01 359 P Pn, 11 56 31.5 +1.5, SDCO Great Sand Dun, baz=183, SNR=23, 19.03 2 P Pn, 11 56 31.1 +0.9, SDCO Great Sand Dun, baz=183, SNR=23, 19.03 2 P Pn, 11 56 31.1 +0.9, SDCO, baz=183, 12 00 09.1 +2.7, NOKA Waynoka, comp=Z, 207nm, 1.2s, 19.09 19 Iamb Iamb, 11 56 41.4, WLAR White Oak Lake, comp=Z, 206nm, 1.3s, 19.13 36 Iamb Iamb, 11 56 45.5, EDW2 Edwards Air Fo, baz=145, 19.13 330 P Pn, 11 56 31.0 -0.2, CROK Carrier, comp=Z, 239nm, 2.0s, 19.27 21 Iamb Iamb, 11 56 42.8, SCZ2 Santa Cruz Isl, baz=140, 19.27 325 P Pn, 11 56 32.0 -0.9, OSI Osito Audit: Ci, baz=143, 19.28 328 P Pn, 11 56 32.6 -0.3, PKCU Pink Cliffs, comp=Z, 314nm, 1.8s, 19.40 346 Iamb Iamb, 11 56 44.2, 143A Socs Landing, 19.44 41 P Pn, 11 56 36.8 +1.9, 143A, comp=Z, 145nm, 1.2s, 19.44 41 P Pn, 11 56 34.1 -0.8, 143A, baz=228, 12 00 15.2 +0.9, LRMC Laurel Mtn Rad, baz=147, 19.48 332 P Pn, 11 56 34.7 -0.8, MIAR Mount Ida, baz=220, SNR=16, 19.53 33 P Pn, 11 56 35.5 -0.5, MIAR Mount Ida, baz=220, SNR=16, 19.53 33 P Pn, 11 56 35.0 -1.0, MIAR, 12 00 15.7 0.0, HMU Henry Mountain, comp=Z, 235nm, 1.7s, 19.57 23 Iamb Iamb, 11 56 45.6, OK408 Pawnee Station, comp=Z, 140nm, 1.1s, 19.59 27 P Pn, 11 56 36.5 -0.2, TUL3 Leonard, baz=212, SNR=11, 19.59 27 P Pn, 11 56 36.0 -0.7, TUL3 Leonard, baz=212, SNR=11, 19.59 27 P Pn, 11 56 36.0 -0.7, TUL3, 12 00 16.2 -0.9, GWY Greenwater Val, comp=Z, 199nm, 1.6s, 19.64 335 Iamb Iamb, 11 56 44.5, SBC Santa Barbara, baz=140, 19.66 326 P Pn, 11 56 35.7 -1.8, OK051 E0350 and S346, comp=Z, 219nm, 1.1s, 19.69 24 Iamb Iamb, 11 56 51.3, VBMS Vicksburg, 19.69 44 P Pn, 11 56 37.8 -0.1, VBMS Vicksburg, 19.69 44 P Pn, 11 56 37.9 0.0, VBMS Vicksburg, 19.69 44 P Pn, 11 56 37.7 -0.1, VBMS, 12 00 19.6 0.0, ARVC Arvin, baz=231, 19.74 329 P Pn, 11 56 36.9 -1.5, BLOK Blackwell, comp=Z, 292nm, 1.3s, 19.77 22 Iamb Iamb, 11 56 54.8, KAN17 Caldwell West, comp=Z, 146nm, 1.3s, 19.84 21 Iamb Iamb, 11 56 55.5, MPMC Manual Prospec, baz=148, SNR=28, 19.88 333 P Pn, 11 56 39.0 -1.4, BCW Bitter Crk WRG, comp=Z, 159nm, 1.3s, 19.88 327 Iamb Iamb, 11 56 51.5, X40A Basin Creek Fa, comp=Z, 230nm, 1.7s, 19.88 35 Iamb Iamb, 11 56 56.0, X40A Basin Creek Fa, baz=221, 19.88 35 P Pn, 11 56 39.5 -0.7, X40A, 11 56 39.5 -0.7, X40A, 12 00 21.2 -1.9, X40A, 12 00 21.2 -1.9, 346A Big Creek Wild, baz=235, 19.90 47 P Pn, 11 56 39.9 -0.9, 346A, 12 00 23.0 -1.7, KAN13 South Haven SW, comp=Z, 198nm, 1.6s, 19.91 22 Iamb Iamb, 11 56 56.2, KAN01 Argonia South, comp=Z, 204nm, 1.4s, 19.94 21 Iamb Iamb, 11 56 49.1, MTPU Mott Pierson, comp=Z, 168nm, 1.6s, 19.95 347 Iamb Iamb, 11 56 51.4, FURC Furnace Creek, baz=150, SNR=7.3, 19.97 335 P Pn, 11 56 40.6 -0.5, CNGN Cerro Negro, 19.98 105 P Pn, 11 56 42.7 +1.2, 11 56 50.5, KAN06 Argonia West S, comp=Z, 204nm, 1.6s, 19.99 20 Iamb Iamb, 11 56 50.9, ISA Isabella, Lake, 20.00 330 P Pn, 11 56 40.8 -0.8, ISA Isabella, Lake, 20.00 330 P Pn, 11 56 40.8 -0.8, ISA Isabella, Lake, 20.00 330 P Pn, 11 56 40.8 -0.8, PKM McPherson Peak, baz=141, SNR=21, 20.05 326 P Pn, 11 56 40.6 -1.8, CCAR Cane Creek, baz=225, 20.06 38 P Pn, 11 56 40.5 -1.8, CCAR, 12 00 28.9 +0.4, RLO Rose Lookout, comp=Z, 200nm, 1.3s, 20.14 28 Iamb Iamb, 11 56 53.7, TPNV Topopah Spring, comp=Z, 143nm, 1.2s, 20.15 337 Iamb Iamb, 11 56 53.9, TPNV Topopah Spring, baz=153, SNR=6.5, 20.15 337 P Pn, 11 56 42.9 -0.6, T35A Sooner Cattle, comp=Z, 175nm, 1.1s, 20.17 24 Iamb Iamb, 11 56 59.3, T35A, 12 04 27.7, T35B Sooner Cattle, baz=209, SNR=17, 20.17 24 P Pn, 11 56 42.2 -1.4, T35B, 12 00 29.0 -2.1, UALR University of, 20.36 35 P Pn, 11 56 46.1 +0.3, VES Vestal, Richgr, baz=144, SNR=34, 20.43 329 P Pn, 11 56 45.3 -1.3, SMC0 Snowmass, comp=Z, 169nm, 1.6s, 20.45 359 Iamb Iamb, 11 56 59.7, CWC Cottonwood Cre, baz=147, 20.46 332 P Pn, 11 56 45.8 -1.3, SMMC Simmler, 20.47 327 P Pn, 11 56 45.9 -1.2, KSCO Kaye Shedlock, comp=Z, 177nm, 2.1s, 20.55 9 IAMS_20 IAMS_20, 12 04 33.3, KSCO Kaye Shedlock, baz=191, 20.55 9 P Pn, 11 56 46.9 -1.1, KSCO Kaye Shedlock, baz=191, 20.55 9 P Pn, 11 56 48.5 +0.4, KSCO, 12 00 42.7 +2.4, TCRU Three Creeks R, comp=Z, 119nm, 1.2s, 20.55 347 Iamb Iamb, 11 56 55.2, MATN Matagalpa, 20.55 103 P Pn, 11 56 48.4 +0.1, S11A Rachel, comp=Z, 318nm, 1.5s, 20.59 339 Iamb Iamb, 11 57 02.7, Q16A Castle Valley, comp=Z, 178nm, 1.2s, 20.59 349 Iamb Iamb, 11 56 55.5, Q16A, 12 03 58.4, GRAC Grapevine Rang, baz=150, SNR=21, 20.63 335 P Pn, 11 56 48.2 -0.7, U38A Gravelite, comp=Z, 142nm, 1.1s, 20.65 29 Iamb Iamb, 11 57 04.6, U38A Gravelite, baz=215, SNR=23, 20.65 29 P Pn, 11 56 46.5 -0.4, U38A, 12 00 39.6 -3.1, HHAR Hobbs, baz=215, 20.73 30 Iamb Iamb, 11 57 01.5, HHAR Hobbs, comp=Z, 192nm, 1.2s, 20.73 30 P Pn, 11 56 48.0 -2.1, HHAR, 12 00 41.7 -2.9, R32A Long Quarter, 20.81 17 P Pn, 11 56 51.0 0.0, R32A, 11 57 06.0

Table with columns: R32A Long Quarter, baz=202, SNR=6.4, 20.81 17 P Pn, 11 56 51.0 0.0, R32A, 12 00 44.2 -2.3, CBKS Cedar Bluff, baz=199, SNR=10.0, 20.91 15 P Pn, 11 56 51.5 -0.7, CBKS Cedar Bluff, baz=199, SNR=10.0, 20.91 15 P Pn, 11 56 51.4 -0.8, CBKS, 12 00 46.3 -2.6, 146A Union, baz=233, 20.92 45 P P, 11 56 50.2 +0.4, 146A, 12 00 46.5 -2.7, VOG Valley Oaks Go, baz=144, 20.96 330 P Pn, 11 56 50.1 -2.7, TIN Tinemaha, Big, baz=148, 21.04 333 P Pn, 11 56 52.1, P17A Butcher Ranch, comp=Z, 200nm, 1.2s, 21.07 351 Iamb Iamb, 11 57 00.2, ISCO Idaho Springs, baz=183, SNR=58, 21.07 2 P P, 11 56 53.0 +1.2, ISCO, 11 56 50.0 -1.8, ISCO, 12 00 55.3 +2.0, P18A Preston Nutter, comp=Z, 232nm, 1.5s, 21.15 352 Iamb Iamb, 11 57 10.4, R11B Troy Canyon, C, comp=Z, 162nm, 1.6s, 21.17 340 Iamb Iamb, 11 57 08.6, R11B Troy Canyon, C, baz=159, SNR=38, 21.17 340 P P, 11 56 53.6 +0.9, DSP Deep Springs, comp=Z, 118nm, 1.3s, 21.20 334 Iamb Iamb, 11 57 04.0, U40A Yellville, baz=218, SNR=13, 21.31 31 P P, 11 56 54.4 +0.3, U40A, 12 00 53.2 -5.4, U40A, 12 00 53.2 -5.4, FCAR Ozark Folk Cen, comp=Z, 118nm, 1.1s, 21.32 34 Iamb Iamb, 11 57 07.3, Y45A Yeager Farm, C, comp=Z, 9um, 18.0s, 21.38 42 IAMS_20 IAMS_20, 12 06 37.4, Y45A Yeager Farm, C, baz=230, SNR=7.4, 21.38 42 P P, 11 56 55.4 +0.7, Y45A, 12 00 59.8 -0.4, O20A White River Ci, baz=176, SNR=42, 21.45 356 P P, 11 56 56.9 +1.2, BRAL Brewton, baz=240, 21.51 51 P P, 11 56 57.5 +1.2, BRAL Brewton, baz=240, 21.51 51 P P, 11 56 57.1 +0.9, BRAL, 12 01 00.3 -3.2, ACON Acappa, 21.56 105 P P, 11 57 00.4 +3.4, NLU North Lily Min, 21.77 348 P P, 11 57 00.5 +1.3, MLAC Mammoth, Mam, 21.78 333 P P, 11 56 58.5 -0.9, OMMB Old Mammoth Mi, comp=Z, 295nm, 1.6s, 21.84 332 Iamb Iamb, 11 57 20.1, OXF Oxford, 21.89 40 P P, 11 57 02.5 +2.2, OXF, 11 57 19.6, OXF, comp=Z, 165nm, 1.1s, 21.89 40 P P, 11 57 02.2 -0.1, OXF Oxford, 21.89 40 P P, 11 56 59.9 -2.4, OXF, 12 01 04.7 +1.9, OXF Oxford, 21.89 40 P P, 11 57 02.5 +2.2, OXF, 12 01 04.7 +1.9, OXF, comp=Z, 165nm, 1.2s, 21.89 40 P pmax, 11 57 02.5 +2.2, OXF, 12 01 04.7 +1.9, MDPB Devils Postpil, comp=Z, 108nm, 1.1s, 21.89 332 Iamb Iamb, 11 57 20.3, ORTG Ortega, Santa, comp=Z, 162nm, 1.3s, 21.92 109 Iamb Iamb, 11 57 19.9, BRIGG Briggsdale, comp=Z, 149nm, 20.0s, 21.92 45 IAMS_20 IAMS_20, 12 05 27.4, Z47A Carrollton, comp=Z, 174nm, 1.0s, 21.92 45 Iamb Iamb, 11 57 20.7, Z47A, 12 01 10.5 -2.7, LCAR Lake Charles, comp=Z, 84nm, 1.0s, 21.98 35 Iamb Iamb, 11 57 23.2, LCAR Lake Charles, baz=222, SNR=21, 21.98 35 P P, 11 57 01.4 +0.2, LCAR, 12 01 06.6 +2.1, BBGB Big Mountain B, comp=Z, 206nm, 1.4s, 21.98 327 Iamb Iamb, 11 57 23.1, RDMU Red Mountain, comp=Z, 9um, 21.0s, 22.00 354 IAMS_20 IAMS_20, 12 05 09.6, KSU1 Kansas State U, comp=Z, 164nm, 1.0s, 22.08 21 Iamb Iamb, 11 57 24.2, DUG Dugway, Tooele, comp=Z, 141nm, 1.4s, 22.05 47 Iamb Iamb, 11 57 21.8, DUG, 12 05 05.8, DUG, comp=Z, 13um, 18.0s, 22.15 347 P P, 11 57 04.3 +1.1, DUG Dugway, Tooele, baz=164, SNR=51, 22.15 347 P P, 11 57 22.0, N23A Red Feather La, comp=Z, 197nm, 1.4s, 22.16 1 P Iamb Iamb, 11 57 04.6 +1.1, N23A Red Feather La, baz=182, SNR=22, 22.16 29 Iamb Iamb, 11 57 25.0, S39A Bolivar, comp=Z, 142nm, 1.2s, 22.16 29 P P, 11 57 02.9 -0.3, S39A Bolivar, baz=215, SNR=19, 22.16 29 P S, 12 01 08.5 +0.3, L39V Little Huntoon, comp=Z, 125nm, 1.4s, 22.17 334 Iamb Iamb, 11 57 28.8, NV11 Mina Array Sit, comp=Z, 95nm, 1.2s, 22.18 335 Iamb Iamb, 11 57 19.7, NV11, 12 04 33.9, 451A Vernon, baz=243, SNR=7.3, 22.22 54 P P, 11 57 03.9 0.0, 451A, 12 01 08.2 -1.2, NVAR Mina Array Bea, comp=Z, 211nm, 1.2s, baz=165, slow=8.9, SNR=49, 22.24 335 P P, 11 57 01.8 -2.5, NVAR, 12 04 56.2, SOR Soroa, 22.30 75 Iamb Iamb, 11 57 24.2, SAO San Andreas Ge, comp=Z, 116nm, 1.4s, 22.34 327 Iamb Iamb, 11 57 25.4, SAO, 12 04 25.3, JTS Las Juntas de, 22.40 109 P P, 11 57 09.9 +3.9, JTS Las Juntas de, 22.40 109 P pmax, 11 57 09.9 +3.9, JTS, 12 01 22.5 -5.9, CTU Camp Tracy, comp=Z, 158nm, 1.5s, 22.42 349 Iamb Iamb, 11 57 23.5, 250A Grady, baz=239, SNR=9.7, 22.50 50 P P, 11 57 07.3 +0.4, OGNB Ogallala, comp=Z, 195nm, 1.3s, 22.53 9 Iamb Iamb, 11 57 25.1, OGNB, 12 05 45.9, OGNB, comp=Z, 12um, 20.0s, 22.53 9 P P, 11 57 07.1 -0.1, OGNB Ogallala, baz=191, 22.53 9 P P, 11 57 06.7 -0.5, OGNB, 12 01 18.9 -8.8, LRAL Lakeview Retre, baz=191, 22.56 47 P P, 11 57 09.9 +2.4, LRAL Lakeview Retre, baz=236, SNR=31, 22.56 47 P P, 11 57 08.1 +0.6, LRAL Lakeview Retre, baz=236, SNR=31, 22.56 47 P P, 11 57 07.7 +0.2, LRAL, 12 01 22.5 -5.9, PHWY Pilot Hill, comp=Z, 136nm, 1.4s, 22.58 2 Iamb Iamb, 11 57 27.0, PHWY, 12 05 45.9, SOCE Pocosol, 22.66 108 Iamb Iamb, 11 57 27.8

KVN	comp=Z,108nm,1.5s Kaiserville baz=Z,146nm,1.3s	22.69 336	Iamb	Iamb	11 57 27.9
KVN	comp=Z,8um,22.0s Toone Canyon comp=Z,217nm,1.7s	22.78 350	IAMs_20	IAMs_20	12 04 52.4
TCUT	comp=Z,2.8um,18.0s Poplar Bluff baz=223	22.89 35	Iamb	Iamb	11 57 35.6
CMB	comp=Z,92nm,1.3s Columbia Colle baz=223	22.81 331	Iamb	Iamb	11 57 31.6
CMB	comp=Z,8um,18.0s Poplar Bluff baz=223	22.89 35	Iamb	Iamb	11 57 35.6
PBMO	comp=Z,111nm,1.4s Poplar Bluff baz=223	22.89 35	P	P	11 57 11.5 +0.5
PBMO	comp=Z,8um,19.0s Big Grassy Mou comp=Z,143nm,1.8s	22.89 347	Iamb	Iamb	11 57 23.2
BGU	comp=Z,8um,18.0s Lenox baz=226	22.93 37	P	P	11 57 11.4 +0.1
LNXT	comp=Z,118nm,1.4s Pickwick Lake comp=Z,118nm,1.4s	23.02 41	Iamb	Iamb	11 57 27.2
PLAL	comp=Z,8um,21.0s Crawfordsville comp=Z,73nm,1.3s	23.05 56	Iamb	Iamb	11 57 26.8
553A	comp=Z,8um,21.0s Crawfordsville baz=246	23.05 56	P	P	11 57 12.6 -0.1
YERR	comp=Z,154nm,1.3s Madiesle Statio baz=217,SNR=18	23.09 334	Iamb	Iamb	11 57 33.6
R40A	comp=Z,154nm,1.3s Madiesle Statio baz=217,SNR=18	23.14 29	P	P	11 57 12.4 -1.1
R40A	comp=Z,154nm,1.3s Madiesle Statio baz=217,SNR=18	23.14 29	S	S	12 01 25.6 -0.2
352A	comp=Z,154nm,1.3s Madiesle Statio baz=217,SNR=18	23.25 53	P	P	11 57 14.0 -0.7
352A	comp=Z,154nm,1.3s Madiesle Statio baz=217,SNR=18	23.25 53	S	S	12 01 30.9 +3.1
ELK	comp=Z,148nm,1.6s Elko baz=242	23.27 343	Iamb	Iamb	11 57 35.4
ELK	comp=Z,148nm,1.6s Elko baz=242	23.27 343	IAMs_20	IAMs_20	12 05 24.0
ELK	comp=Z,10um,21.0s Elko comp=Z,10um,20.2s,baz=186,slow=35	23.27 343	LR	LR	12 05 35.0
HWUT	comp=Z,153nm,1.6s Hardware Ranch comp=Z,153nm,1.6s	23.28 350	Iamb	Iamb	11 57 27.2
HWUT	comp=Z,153nm,1.6s Hardware Ranch comp=Z,153nm,1.6s	23.28 350	IAMs_20	IAMs_20	12 05 49.0
N33B	comp=Z,11um,18.0s J Bar K, Exete baz=202	23.32 17	P	P	11 57 18.1 +2.8
N33B	comp=Z,11um,18.0s J Bar K, Exete baz=202	23.32 17	S	S	12 01 33.7 +4.9
X48A	comp=Z,98nm,1.3s Hartselle baz=233	23.36 44	Iamb	Iamb	11 57 34.0
X48A	comp=Z,98nm,1.3s Hartselle baz=233	23.36 44	P	P	11 57 15.3 -0.5
X48A	comp=Z,98nm,1.3s Hartselle baz=233	23.36 44	S	S	12 01 33.8 +4.3
Y49A	comp=Z,120nm,1.2s Blount Mountai comp=Z,120nm,1.2s	23.43 46	Iamb	Iamb	11 57 28.4
Y49A	comp=Z,120nm,1.2s Blount Mountai comp=Z,120nm,1.2s	23.43 46	P	P	11 57 15.2 -1.3
Y49A	comp=Z,120nm,1.2s Blount Mountai comp=Z,120nm,1.2s	23.43 46	S	S	12 01 33.5 +2.8
CCM	comp=Z,219,SNR=15 Cathedral Cave comp=Z,219,SNR=15	23.44 31	P	P	11 57 16.9 +0.3
CCM	comp=Z,219,SNR=15 Cathedral Cave comp=Z,219,SNR=15	23.44 31	P	P	11 57 16.9 +0.3
CCM	comp=Z,219,SNR=15 Cathedral Cave comp=Z,219,SNR=15	23.44 31	P	P	11 57 16.3 -0.3
CCM	comp=Z,219,SNR=15 Cathedral Cave comp=Z,219,SNR=15	23.44 31	S	S	12 01 32.6 +1.8
CCM	comp=Z,219,SNR=15 Cathedral Cave comp=Z,219,SNR=15	23.44 31	P	P	11 57 16.9 +0.3
CCM	comp=Z,219,SNR=15 Cathedral Cave comp=Z,219,SNR=15	23.44 31	pmax	pmax	
CCM	comp=Z,348nm,2.0s Cathedral Cave comp=Z,348nm,2.0s	23.44 31	MLR	MLR	
CCM	comp=Z,348nm,2.0s Cathedral Cave comp=Z,348nm,2.0s	23.44 31	P	P	11 57 16.9 +0.3
EMB	comp=Z,5um,20.0s Emerald Bay comp=Z,131nm,1.2s	23.45 332	Iamb	Iamb	11 57 25.5
EMB	comp=Z,5um,20.0s Emerald Bay comp=Z,131nm,1.2s	23.45 332	IAMs_20	IAMs_20	12 05 43.7
RIMA	comp=Z,6um,19.0s Rio Macho comp=Z,77nm,1.3s	23.59 109	Iamb	Iamb	11 57 45.6
P38A	comp=Z,7um,21.0s Dawn baz=212	23.69 25	P	P	11 57 18.8 -0.2
P38A	comp=Z,7um,21.0s Dawn baz=212	23.69 25	S	S	12 01 36.2 +1.4
CGM3	comp=Z,98nm,1.3s Cape Girardeau comp=Z,98nm,1.3s	23.69 35	Iamb	Iamb	11 57 37.0
BGNE	comp=Z,14um,21.0s Belgrade baz=200	23.75 16	IAMs_20	IAMs_20	12 06 45.6
BGNE	comp=Z,14um,21.0s Belgrade baz=200	23.75 16	P	P	11 57 20.5 +0.8
BGNE	comp=Z,14um,21.0s Belgrade baz=200	23.75 16	P	P	11 57 20.8 +1.1
BGNE	comp=Z,14um,21.0s Belgrade baz=200	23.75 16	S	S	12 01 43.4 +7.5
BGNE	comp=Z,14um,21.0s Belgrade baz=200	23.75 16	S	S	11 57 40.9
PAHR	comp=Z,174nm,1.4s Pah Rah Range comp=Z,174nm,1.4s	23.76 335	Iamb	Iamb	11 57 40.9
FVM	comp=Z,221,SNR=7.0 French Village baz=221,SNR=7.0	23.80 33	P	P	11 57 19.0 -1.1
FVM	comp=Z,221,SNR=7.0 French Village baz=221,SNR=7.0	23.80 33	S	S	12 01 34.5 -2.0
AFDM	comp=Z,9um,18.0s Forest Hills D comp=Z,9um,18.0s	23.82 331	IAMs_20	IAMs_20	12 05 58.3
CAMR	comp=Z,9um,18.0s Camarooca comp=Z,9um,18.0s	23.83 75	IAMs_20	IAMs_20	12 07 54.9
K22A	comp=Z,180,SNR=32 Casper baz=180,SNR=32	23.91 360	P	P	11 57 21.4 0.0
K22A	comp=Z,180,SNR=32 Casper baz=180,SNR=32	23.91 360	P	P	11 57 21.3 0.0
K22A	comp=Z,180,SNR=32 Casper baz=180,SNR=32	23.91 360	S	S	12 01 46.0 +7.4
152A	comp=Z,180,SNR=32 Waverly Hall comp=Z,180,SNR=32	23.98 50	P	P	11 57 22.2 +0.3
N35A	comp=Z,206,SNR=12 Tabor baz=206	23.99 20	P	P	11 57 23.0 +1.0
N35A	comp=Z,206,SNR=12 Tabor baz=206	23.99 20	S	S	12 01 50.8 -1.2
T45B	comp=Z,206,SNR=12 Paducah baz=206	24.05 37	P	P	11 57 22.6 +0.1
MCCM	comp=Z,9um,21.0s Marconi Confer comp=Z,9um,21.0s	24.13 327	IAMs_20	IAMs_20	12 04 55.4
BW06	comp=Z,115nm,1.9s Boulder Array comp=Z,115nm,1.9s	24.17 354	Iamb	Iamb	11 57 40.4
BW06	comp=Z,115nm,1.9s Boulder Array comp=Z,115nm,1.9s	24.17 354	IAMs_20	IAMs_20	12 06 34.8
BW06	comp=Z,115nm,1.9s Boulder Array comp=Z,115nm,1.9s	24.17 354	P	P	11 57 23.7 -0.2
PD31	comp=Z,112nm,1.9s Pinedale Array comp=Z,112nm,1.9s	24.17 354	Iamb	Iamb	11 57 40.5
PDAR	comp=Z,1.5nm,0.7s,baz=162,slow=9.8,SNR=18 Pinedale Array comp=Z,1.5nm,0.7s,baz=162,slow=9.8,SNR=18	24.17 354	P	P	11 57 21.3 -2.6
PDAR	comp=Z,1.5nm,0.7s,baz=162,slow=9.8,SNR=18 Pinedale Array comp=Z,1.5nm,0.7s,baz=162,slow=9.8,SNR=18	24.17 354	PcP	PcP	12 01 03.2 -1.6
PDAR	comp=Z,1.5nm,0.7s,baz=162,slow=9.8,SNR=18 Pinedale Array comp=Z,1.5nm,0.7s,baz=162,slow=9.8,SNR=18	24.17 354	LR	LR	12 06 44.6
S44A	comp=Z,82nm,1.3s Carbonate comp=Z,82nm,1.3s	24.20 35	Iamb	Iamb	11 57 37.9
S44A	comp=Z,82nm,1.3s Carbonate comp=Z,82nm,1.3s	24.20 35	IAMs_20	IAMs_20	12 07 02.1
S44A	comp=Z,82nm,1.3s Carbonate comp=Z,82nm,1.3s	24.20 35	P	P	11 57 24.2 +0.3
S44A	comp=Z,82nm,1.3s Carbonate comp=Z,82nm,1.3s	24.20 35	S	S	12 01 47.2 +4.3
SIUC	comp=Z,86nm,1.2s Southern Illin comp=Z,86nm,1.2s	24.23 35	Iamb	Iamb	11 57 38.1
P40A	comp=Z,86nm,1.2s Paris baz=215	24.24 28	P	P	11 57 24.5 +0.2
P40A	comp=Z,86nm,1.2s Paris baz=215	24.24 28	S	S	12 01 47.5 +3.9
TIGA	comp=Z,244,SNR=7.8 Tifton baz=244,SNR=7.8	24.24 54	P	P	11 57 24.6 +0.2
TIGA	comp=Z,244,SNR=7.8 Tifton baz=244,SNR=7.8	24.24 54	P	P	11 57 24.1 -0.3
V48A	comp=Z,231,SNR=14 Smith Brothers comp=Z,231,SNR=14	24.30 42	IAMs_20	IAMs_20	12 08 16.7
V48A	comp=Z,231,SNR=14 Smith Brothers comp=Z,231,SNR=14	24.30 42	P	P	11 57 24.4 -0.4
AHID	comp=Z,130nm,1.4s Auburn Hatcher comp=Z,130nm,1.4s	24.35 352	Iamb	Iamb	11 57 53.8
AHID	comp=Z,130nm,1.4s Auburn Hatcher comp=Z,130nm,1.4s	24.35 352	IAMs_20	IAMs_20	12 06 36.3
FPAL	comp=Z,9um,19.0s Fort Paine comp=Z,9um,19.0s	24.36 45	P	P	11 57 25.9 +0.4
ORV	comp=Z,11um,18.0s Oroville comp=Z,11um,18.0s	24.55 331	IAMs_20	IAMs_20	12 06 20.8
K30B	comp=Z,3um,19.0s Basset comp=Z,3um,19.0s	24.63 12	P	P	11 57 30.8 +3.0
K30B	comp=Z,3um,19.0s Basset comp=Z,3um,19.0s	24.63 12	S	S	12 01 52.3 +2.5
PLTX	comp=Z,59nm,1.0s Planet X, Gerl comp=Z,59nm,1.0s	24.65 336	Iamb	Iamb	11 57 36.5
061X	comp=Z,59nm,1.0s Choppio baz=259	24.68 69	P	P	11 57 29.4 +1.0
L34A	comp=Z,149nm,1.4s Svendsen Farm, comp=Z,149nm,1.4s	24.76 18	Iamb	Iamb	11 57 55.1
L34A	comp=Z,149nm,1.4s Svendsen Farm, comp=Z,149nm,1.4s	24.76 18	S	S	12 02 02.4 +1.0
DWPF	comp=Z,277,SNR=63 Disney Wildern comp=Z,277,SNR=63	24.77 63	P	P	11 57 31.5 +2.3
DWPF	comp=Z,277,SNR=63 Disney Wildern comp=Z,277,SNR=63	24.77 63	P	P	11 57 30.1 +0.9
DWPF	comp=Z,277,SNR=63 Disney Wildern comp=Z,277,SNR=63	24.77 63	P	P	11 57 29.9 +0.7
N38A	comp=Z,28um,18.0s Jones South For comp=Z,28um,18.0s	24.80 24	Iamb	Iamb	11 57 56.5
N38A	comp=Z,28um,18.0s Jones South For comp=Z,28um,18.0s	24.80 24	IAMs_20	IAMs_20	12 07 47.1
N38A	comp=Z,28um,18.0s Jones South For comp=Z,28um,18.0s	24.80 24	P	P	11 57 29.3 -0.1
CLTN	comp=Z,28um,18.0s Cedars of Leba comp=Z,28um,18.0s	24.83 42	IAMs_20	IAMs_20	12 08 32.7
HOPS	comp=Z,28um,18.0s Hopland Field comp=Z,28um,18.0s	24.87 328	Iamb	Iamb	11 57 50.1
X51A	comp=Z,28um,18.0s Calhoun comp=Z,28um,18.0s	24.89 46	Iamb	Iamb	11 57 44.6
X51A	comp=Z,28um,18.0s Calhoun comp=Z,28um,18.0s	24.89 46	P	P	11 57 29.9 -0.4
X51A	comp=Z,28um,18.0s Calhoun comp=Z,28um,18.0s	24.89 46	P	P	11 57 29.9 -0.4
X51A	comp=Z,28um,18.0s Calhoun comp=Z,28um,18.0s	24.89 46	S	S	12 01 59.1 +4.9
X51A	comp=Z,28um,18.0s Calhoun comp=Z,28um,18.0s	24.89 46	S	S	12 01 59.1 +4.9
T47A	comp=Z,28um,18.0s Sharon Grove comp=Z,28um,18.0s	24.93 39	P	P	11 57 31.2 +0.7
T47A	comp=Z,28um,18.0s Sharon Grove comp=Z,28um,18.0s	24.93 39	S	S	12 01 58.6 +3.8
PAYG	comp=Z,28um,18.0s Puerto Ylora comp=Z,28um,18.0s	24.93 139	IAMs_20	IAMs_20	12 04 36.7
W50A	comp=Z,28um,18.0s Signal Mountai comp=Z,28um,18.0s	24.95 44	P	P	11 57 31.0 +0.2
W50A	comp=Z,28um,18.0s Signal Mountai comp=Z,28um,18.0s	24.95 44	S	S	12 01 59.0 +3.9
Y52A	comp=Z,28um,18.0s Libburn comp=Z,28um,18.0s	25.06 48	Iamb	Iamb	11 57 44.4
Y52A	comp=Z,28um,18.0s Libburn comp=Z,28um,18.0s	25.06 48	P	P	11 57 32.7 +0.9
Y52A	comp=Z,28um,18.0s Libburn comp=Z,28um,18.0s	25.06 48	P	P	11 57 32.7 +0.9
Y52A	comp=Z,28um,18.0s Libburn comp=Z,28um,18.0s	25.06 48	S	S	12 01 56.1 -0.9
Y52A	comp=Z,28um,18.0s Libburn comp=Z,28um,18.0s	25.06 48	S	S	12 01 56.1 -0.9
LOHW	comp=Z,28um,18.0s Long Hollow comp=Z,28um,18.0s	25.12 353	IAMs_20	IAMs_20	12 07 01.7
154A	comp=Z,28um,18.0s Montrose comp=Z,28um,18.0s	25.14 52	P	P	11 57 32.9 +0.4
154A	comp=Z,28um,18.0s Montrose comp=Z,28um,18.0s	25.14 52	S	S	12 02 05.0 +6.7
456A	comp=Z,28um,18.0s Hilliard comp=Z,28um,18.0s	25.17 57	P	P	11 57 33.2 +0.4
FXWY	comp=Z,28um,18.0s Fox Creek comp=Z,28um,18.0s	25.19 352	Iamb	Iamb	11 57 42.6
FXWY	comp=Z,28um,18.0s Fox Creek comp=Z,28um,18.0s	25.19 352	IAMs_20	IAMs_20	12 06 41.8
Q44A	comp=Z,28um,18.0s Meyer Farm, Va comp=Z,28um,18.0s	25.22 33	P	P	11 57 33.7 +0.6
Q44A	comp=Z,28um,18.0s Meyer Farm, Va comp=Z,28um,18.0s	25.22 33	S	S	12 02 05.1 +5.8
GOGA	comp=Z,28um,18.0s Godfrey comp=Z,28um,18.0s	25.26 50	Iamb	Iamb	11 57 46.4
GOGA	comp=Z,28um,18.0s Godfrey comp=Z,28um,18.0s	25.26 50	P	P	11 57 34.5 +0.9
GOGA	comp=Z,28um,18.0s Godfrey comp=Z,28um,18.0s				

3d 11h

O48B	Farmland	28.27	36	P	P	11 58 00.5	-0.1
O48B	Farmland	28.27	36	P	P	11 58 00.3	-0.4
O48B				S	S	12 02 50.0	+2.5
N47A	Urbana	28.41	34	S	S	12 02 55.8	+6.1
N47A				S	S	12 02 55.8	+6.1
I40A	Norwalk	28.46	24	IAMB	IAMB	11 58 22.0	
I40A	Norwalk	28.46	24	S	S	12 02 49.9	-0.5
K43A	Burlington	28.46	29	S	S	12 02 51.6	+1.1
Q51A	Peebles	28.51	40	IAMB	IAMB	11 58 32.3	
Q51A	Peebles	28.51	40	P	P	11 58 05.3	+2.4
Q51A				P	P	11 58 05.3	+2.4
Q51A				S	S	12 02 55.2	+3.8
Q51A				S	S	12 02 55.2	+3.8
W57A	Gilead	28.62	50	IAMB	IAMB	11 58 17.2	
W57A	Gilead	28.62	50	P	P	11 58 03.6	-0.2
W57A				P	P	11 58 03.6	-0.2
W57A				S	S	12 03 00.1	+6.9
W57A				S	S	12 03 00.1	+6.9
O49A	Covington	28.68	37	IAMB	IAMB	11 58 17.4	
O49A	Covington	28.68	37	P	P	11 58 05.5	+1.1
O49A				P	P	11 58 05.5	+1.1
O49A				S	S	12 02 55.6	+1.5
O49A				S	S	12 02 55.6	+1.5
MSO	Misoula	28.76	349	IAMS_20	IAMS_20	12 09 13.3	
MSO	Misoula	28.76	349	P	P	11 58 04.0	-1.0
SPMN	Marine on St.	28.82	20	P	P	11 58 07.4	+1.9
U56A	King	28.93	47	IAMB	IAMB	11 58 19.5	
R53A	Hurricane	28.96	42	IAMB	IAMB	11 58 25.9	
R53A				IAMS_20	IAMS_20	12 11 37.2	
P51A	Williamsport	28.97	39	IAMB	IAMB	11 58 34.5	
S54A	Dingess, Beckl	29.07	44	P	P	11 58 08.3	+0.5
S54A				P	P	11 58 08.3	+0.5
S54A				S	S	12 03 02.4	+2.1
S54A				S	S	12 03 02.4	+2.1
Q52A	Bidwell	29.14	41	IAMB	IAMB	11 58 20.7	
Q52A	Bidwell	29.14	41	P	P	11 58 08.0	-0.3
Q52A				P	P	11 58 08.0	-0.3
Q52A				S	S	12 03 02.1	+0.9
Q52A				S	S	12 03 02.1	+0.9
I42A	Draeger Farm,	29.15	27	IAMB	IAMB	11 58 33.5	
I42A	Draeger Farm,	29.15	27	S	S	12 03 02.1	+0.7
F36A	Milaca	29.16	19	IAMB	IAMB	11 58 24.4	
N49A	Columbus Grove	29.26	36	P	P	11 58 10.5	+1.0
N49A				P	P	11 58 10.5	+1.0
N49A				S	S	12 03 04.5	+1.4
N49A				S	S	12 03 04.5	+1.4
BLA	Blacksburg	29.35	46	IAMB	IAMB	11 58 32.7	
BLA	Blacksburg	29.35	46	P	P	11 58 10.5	+0.2
EGMT	Eagleton	29.41	355	IAMS_20	IAMS_20	12 09 52.6	
EGMT	Eagleton	29.41	355	P	P	11 58 10.9	+0.2
V60A	Bolivia	29.43	53	IAMS_20	IAMS_20	12 11 32.2	
ACSO	Alum Creek Sta	29.49	38	IAMS_20	IAMS_20	12 10 52.1	
ACSO	Alum Creek Sta	29.49	38	P	P	11 58 11.5	-0.1
V58A	Windy Hill, Pi	29.55	49	IAMB	IAMB	11 58 24.3	
P52A	Corning	29.63	40	IAMS_20	IAMS_20	12 11 07.7	
P52A	Corning	29.63	40	P	P	11 58 11.3	-1.4
MDND	Maddock	29.64	9	IAMB	IAMB	11 58 31.4	
MDND	Maddock	29.64	9	P	P	11 58 11.4	-1.3
HAWA	Hamford	29.68	342	IAMS_20	IAMS_20	12 09 44.8	
DGMT	Dagmar	29.79	3	IAMB	IAMB	11 58 31.3	
DGMT	Dagmar	29.79	3	IAMS_20	IAMS_20	12 09 38.7	
DGMT	Dagmar	29.79	3	P	P	11 58 12.9	-1.2
DGMT	Dagmar	29.79	3	P	P	11 58 16.3	+2.2
L48A	N Adams	29.83	34	S	S	12 03 14.7	+2.6
L48A				S	S	12 03 14.7	+2.6
P53A	Whipple	30.00	41	IAMB	IAMB	11 58 28.3	
P53A				IAMS_20	IAMS_20	12 11 29.5	
T57A	Hurt	30.04	47	IAMB	IAMB	11 58 29.6	
T57A	Hurt	30.04	47	P	P	11 58 18.6	+2.2
T57A				P	P	11 58 18.6	+2.2
T57A				S	S	12 03 19.7	+4.2
T57A				S	S	12 03 19.7	+4.2
Q54A	Coxs Mills	30.05	42	P	P	11 58 17.8	+1.3
Q54A				P	P	11 58 17.8	+1.3
Q54A				S	S	12 03 19.7	+4.1
Q54A				S	S	12 03 19.7	+4.1
O52A	Adamsville	30.10	40	IAMB	IAMB	11 58 29.3	
R55A	Marlinton	30.12	44	P	P	11 58 17.6	+0.4
R55A				P	P	11 58 17.6	+0.4
R55A				S	S	12 03 20.1	+3.2
R55A				S	S	12 03 20.1	+3.2
CNNC	Cliffs of the	30.19	51	IAMS_20	IAMS_20	12 12 35.1	
CNNC	Cliffs of the	30.19	51	P	P	11 58 17.8	0.0
E38A	The Farm, Brul	30.45	20	S	S	12 03 23.7	+2.1

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AAM	Ann Arbor	30.49	35	IAMS_20	IAMS_20	12 10 35.3	
AAM	Ann Arbor	30.49	35	P	P	11 58 20.2	-0.1
J47A	Summer	30.55	32	S	S	12 03 25.9	+2.6
J47A				S	S	12 03 25.9	+2.6
O53A	New Phidelp	30.56	40	IAMB	IAMB	11 58 48.6	
O53A	New Phidelp	30.56	40	P	P	11 58 20.2	-0.8
S57A	Dark Hollow, R	30.63	46	IAMB	IAMB	11 58 34.5	
S57A				IAMS_20	IAMS_20	12 12 25.6	
S57A				S	S	12 03 29.5	+4.8
S57A				S	S	12 03 29.5	+4.8
U59A	Littleton	30.76	49	IAMB	IAMB	11 58 35.7	
U59A				S	S	12 03 30.9	+4.2
U59A				S	S	12 03 30.9	+4.2
NEW	Newport	30.77	346	IAMB	IAMB	11 58 40.3	
NEW	Newport	30.77	346	IAMS_20	IAMS_20	12 10 05.7	
NEW	Newport	30.77	346	P	P	11 58 20.1	-2.7
NEW	Newport	30.77	346	P	P	11 58 23.5	+0.7
NEW	Newport	30.77	346	LR	LR	12 10 36.7	
COWI	Conover	30.88	24	IAMB	IAMB	11 58 35.6	
COWI				IAMS_20	IAMS_20	12 09 41.1	
COWI	Conover	30.88	24	S	S	12 03 29.2	+0.7
O54A	Avella	31.04	41	IAMB	IAMB	11 58 37.9	
O54A				IAMS_20	IAMS_20	12 12 02.0	
O54A				P	P	11 58 24.8	-0.4
O54A				P	P	11 58 24.8	-0.4
MCWV	Mont Chateau	31.07	42	IAMB	IAMB	11 58 43.4	
MCWV	Mont Chateau	31.07	42	P	P	11 58 24.3	-1.2
N53A	Lisbon	31.13	39	IAMB	IAMB	11 58 38.5	
N53A	Lisbon	31.13	39	P	P	11 58 25.1	-0.9
N53A				P	P	11 58 25.1	-0.9
T59A	Double "B" Far	31.22	48	IAMB	IAMB	11 58 39.7	
T59A				IAMS_20	IAMS_20	12 12 55.2	
T59A	Double "B" Far	31.22	48	P	P	11 58 26.2	-0.6
T59A				P	P	11 58 26.2	-0.6
T59A				S	S	12 03 40.1	+6.2
T59A				S	S	12 03 40.1	+6.2
M52A	Chesterland	31.28	38	S	S	12 03 38.9	+4.1
M52A				S	S	12 03 38.9	+4.1
V61A	Roper	31.40	51	IAMS_20	IAMS_20	12 13 10.2	
SJCC	San Jacinto, C	31.49	102	eP	P	11 58 29.7	+0.1
M53A	WI Miller and	31.61	39	IAMS_20	IAMS_20	12 12 07.2	
M53A	WI Miller and	31.61	39	P	P	11 58 27.6	-2.6
EYMN	Ely	31.65	19	IAMB	IAMB	11 58 47.1	
EYMN	Ely	31.65	19	IAMS_20	IAMS_20	12 10 40.2	
EYMN	Ely	31.65	19	P	P	11 58 30.2	-0.3
EYMN	Ely	31.65	19	S	S	12 03 39.4	-1.0
GLMI	Graying	31.82	30	IAMS_20	IAMS_20	12 10 23.1	
GLMI	Graying	31.82	30	P	P	11 58 31.1	-0.9
CBN	Corbin Frederi	31.93	46	IAMS_20	IAMS_20	12 10 51.9	
CBN	Corbin Frederi	31.93	46	P	P	11 58 32.8	-0.2
E43A	Lone Tree Farm	31.96	26	S	S	12 03 44.7	-0.6
CBOC	Ciudad Bolivar	32.28	109	eP	P	11 58 39.7	+3.1
ERPA	Erie	32.43	38	P	P	11 58 36.0	-1.5
PLMC	San Juan del P	32.47	111	eP	P	11 58 42.6	+4.4
ULM	Lac du Bonnet	32.63	13	IAMB	IAMB	11 58 55.4	
ULM	Lac du Bonnet	32.63	13	P	P	11 58 39.0	0.0
ULM	Lac du Bonnet	32.63	13	P	P	11 58 39.0	0.0
ULM				LR	LR	12 12 08.2	
ZARC	Zaragoza, Cauc	32.65	106	eP	P	11 58 41.4	+1.7
M55A	Ridgway	32.78	40	IAMB	IAMB	11 58 53.1	
M55A	Ridgway	32.78	40	P	P	11 58 39.8	-0.7
M55A				P	P	11 58 39.8	-0.7
M55A				S	S	12 03 57.7	-0.5
M55A				S	S	12 03 57.7	-0.5
YOTC	Yotoco, Valle	32.84	113	eP	P	11 58 43.5	+2.0
SSPA	Standing Stone	32.86	42	P	P	11 58 43.1	+1.9
SSPA	Standing Stone	32.86	42	P	P	11 58 40.3	-0.9
SSPA	Standing Stone	32.86	42	P	P	11 58 41.0	-0.1
SSPA				S	S	12 04 01.7	+2.3
S61A	Accomac	32.87	48	IAMS_20	IAMS_20	12 13 55.1	
SDMD	Soldier's Deli	32.89	45	P	P	11 58 43.2	+1.7
SDMD	Soldier's Deli	32.89	45	P	P	11 58 40.6	-0.9
SDMD				S	S	12 04 02.6	+2.6
JAMC	Jamundi, Valle	32.93	114	eP	P	11 58 48.4	+6.0
OTAV	Otavallo	33.03	121	P	P	11 58 45.6	+2.1
OTAV	Otavallo	33.03	121	eP	P	11 58 44.8	+1.3
OTAV	Ot						

K62A	Royalston	37.53	43	IAMS_20	IAMS_20	12 16 42.0			
K62A	Royalston	37.53	43	S	S	12 05 16.5 +5.2			
K62A	baz=241			S	S	12 05 16.5 +5.2			
J61A	Chester	37.66	42	IAMS_20	IAMS_20	12 16 28.4			
MCVT	Middlebury Col	37.70	41	S	S	12 05 16.8 +3.0			
ATAH	Atahualpa	37.72	130	LR	LR	12 11 34.6			
FRNY	Flat Rock	37.80	39	S	S	12 05 16.9 +1.5			
HRV	Adam Dzewonsk	37.89	44	IAMS_20	IAMS_20	12 16 27.7			
HRV	Adam Dzewonsk	37.89	44	P	P	11 59 23.0 -1.5			
HRV	Adam Dzewonsk	37.89	44	S	S	12 05 21.5 +4.7			
HNH	Hanover	38.01	41	IAMS_20	IAMS_20	12 16 10.6			
TRQ	Mont Tremblant	38.02	37	Iamb	Iamb	11 59 43.5			
VT1	Waterbury	38.04	40	IAMS_20	IAMS_20	12 15 35.3			
M65A	Busby, Falmout	38.07	45	P	P	11 59 23.9 -2.1			
L64A	Middleborough	38.11	45	Iamb	Iamb	11 59 39.5			
L64A	comp=Z,3um,18.0s			IAMS_20	IAMS_20	12 16 16.4			
SJG	San Juan	38.19	84	P	P	11 59 29.2 +1.9			
SJG	San Juan	38.19	84	Iamb	Iamb	11 59 47.4			
SJG	comp=Z,43nm,1.1s			P	P	11 59 29.2 +1.9			
SJG	comp=Z,43nm,1.1s			MLR	MLR				
FFD	Frank's Falls	38.29	42	IAMS_20	IAMS_20	12 16 55.2			
LBNH	Lisbon	38.50	41	IAMS_20	IAMS_20	12 15 14.6			
LBNH	Lisbon	38.50	41	P	P	11 59 29.3 -0.3			
LBNH	Lisbon	38.50	41	S	S	12 05 30.9 +4.9			
UNH	University of	38.62	43	S	S	12 05 30.8 +3.1			
I62A	Tamworth	38.69	42	IAMS_20	IAMS_20	12 16 41.7			
HG4B	HotSpring	38.75	336	IAMS_20	IAMS_20	12 14 28.6			
I63A	Otisfield	39.25	42	IAMS_20	IAMS_20	12 17 35.6			
I63A	Otisfield	39.25	42	S	S	12 05 45.0 +7.8			
I63A	baz=242			S	S	12 05 45.0 +7.8			
WVL	Waterville	40.08	42	IAMS_20	IAMS_20	12 19 18.4			
HILA	High Level	40.58	352	P	P	11 59 46.8 +0.1			
PKME	Peaks-Kenny Pk	40.64	41	IAMS_20	IAMS_20	12 18 17.2			
PKME	Peaks-Kenny Pk	40.64	41	P	P	11 59 46.2 -1.2			
U35K	Hyder	41.23	340	IAMS_20	IAMS_20	12 16 15.0			
U35K	Hyder	41.23	340	P	P	11 59 50.5 -1.5			
PCRV	Puerto La Cruz	41.28	96	LR	LR	12 18 31.0			
V35K	Ketchikan	41.29	338	IAMS_20	IAMS_20	12 15 47.6			
V35K	Ketchikan	41.29	338	P	P	11 59 49.8 -2.8			
F64A	Sherman	41.51	41	IAMS_20	IAMS_20	12 18 20.1			
D62A	Allapoint, All	41.67	39	P	P	11 59 57.3 +1.4			
CRAG	Craig	41.93	338	IAMS_20	IAMS_20	12 16 29.7			
CRAG	comp=Z,3um,19.0s			P	P	11 59 55.9 -2.0			
PQI	Presque Isle	42.09	40	IAMS_20	IAMS_20	12 17 43.6			
GGN	Saint George	42.12	42	IAMS_20	IAMS_20	12 19 21.4			
T35M	Bob Quinn	42.17	341	P	P	12 00 01.0 +1.1			
T35M	Bob Quinn	42.17	341	P	P	11 59 57.9 -1.9			
NNA	Nana	42.20	134	IAMS_20	IAMS_20	12 13 47.9			
NNA	Nana	42.20	134	eP	P	12 00 02.6 +2.0			
NNA	Nana	42.20	134	LR	LR	12 13 51.3			
CZSB	Cruzeiro do S	42.38	125	P	Iamb	12 00 03.7 +1.7			
CZSB	comp=Z,59nm,1.1s			Iamb	Iamb	12 00 14.8			
WRAK	Wrangell Islan	42.40	339	IAMS_20	IAMS_20	12 16 23.2			
WRAK	Wrangell Islan	42.40	339	P	P	12 00 00.1 -1.6			
U33K	Whale Pass	42.43	338	IAMS_20	IAMS_20	12 16 20.0			
U33K	Whale Pass	42.43	338	P	P	11 59 60.0 -2.0			
TBTG	Tabatinga, AM	42.56	119	P	Iamb	12 00 04.8 +1.3			
TBTG	baz=141			Iamb	Iamb	12 00 18.6			
SGCB	SEO Gabriel d	42.97	111	eP	P	12 00 06.2 -0.6			
TAOE	Nuku Hiva Isla	43.04	233	eP	S	11 59 59.3 -8.2			
TAOE	comp=Z,193nm,23.7s			eS	S	12 06 29.4 -5.0			
TAOE	comp=Z,659nm,25.0s			eLR	LR	12 11 42.8			
TAOE	Nuku Hiva Isla	43.04	233	eT	P	12 24 30.1			
TAOE	comp=Z,10um,25.9s			P	P	12 24 30.1			
LIRD	Nuku Hiva Isla	43.04	233	IAMS_20	IAMS_20	12 12 46.6			
LIRD	Liard River Hi	43.11	345	P	P	12 00 06.4 -1.0			
S34M	Telegraph Cree	43.21	341	P	P	12 00 06.4 -1.9			
FLDN	Fort Liard	43.28	348	P	P	12 00 09.0 +0.2			
KOTAN	Kotaneleele Air	43.30	347	P	P	12 00 08.1 -0.9			
DLBC	Dease Lake	43.31	342	LR	LR	12 18 35.9			
LMN	Caledonia Moun	43.73	42	IAMS_20	IAMS_20	12 19 43.0			
SIT	Sitka	43.94	338	IAMS_20	IAMS_20	12 20 05.8			
SIT	Sitka	43.94	338	P	P	12 00 12.0 -2.2			
S32K	Killisnoo	43.99	338	IAMS_20	IAMS_20	12 17 16.1			
S32K	Killisnoo	43.99	338	P	P	12 00 12.4 -2.1			
H2L	Halifax	44.04	44	IAMS_20	IAMS_20	12 21 34.4			
YKAW1	Yellowknife Wh	44.13	355	IAMS_20	IAMS_20	12 19 32.2			
YKA	Yellowknife Ar	44.15	355	P	P	12 00 13.8 -1.9			
YKA	comp=Z,6.3nm,1.0s, baz=173,slow=7.2,SNR=6.8			LR	LR	12 19 34.7			
YKAW3	Yellowknife Wh	44.22	355	IAMS_20	IAMS_20	12 19 27.6			
R33M	Jennings River	44.38	342	Iamb	Iamb	12 00 42.8			
R33M	Jennings River	44.38	342	P	P	12 00 16.5 -1.3			
WTLY	Watson Lake, Y	44.40	344	P	P	12 00 16.0 -1.9			
Q32M	Nakina River	44.41	341	Iamb	Iamb	12 00 29.0			
Q32M	comp=Z,4um,20.0s			IAMS_20	IAMS_20	12 19 18.3			
Q32M	Nakina River	44.41	341	P	P	12 00 17.9 -0.3			
JIS	Juneau Island	44.55	339	IAMS_20	IAMS_20	12 17 27.9			

R32K	Eaglecrest	44.59	339	IAMS_20	IAMS_20	12 17 49.0			
R32K	Eaglecrest	44.59	339	P	P	12 00 17.4 -2.0			
S31K	Pelican	44.95	338	P	P	12 00 20.3 -1.8			
R31K	City Hall, Gus	45.11	339	P	P	12 00 22.0 -1.5			
BBGH	Gun Hill	45.33	90	IAMS_20	IAMS_20	12 19 17.4			
P32M	Atlin	45.37	341	IAMS_20	IAMS_20	12 18 46.5			
P32M	Atlin	45.37	341	P	P	12 00 25.0 -0.5			
TGTN	Hyland Airport	45.49	346	P	P	12 00 24.7 -1.9			
P33M	Teslin, Yukon	45.59	342	Iamb	Iamb	12 00 46.8			
P33M	Teslin, Yukon	45.59	342	P	P	12 00 27.6 +0.2			
RPN	Rapa Nui	45.60	184	LR	LR	12 14 40.8			
SKAG	Skagway	45.78	340	Iamb	Iamb	12 00 29.6 +0.8			
SKAG	comp=Z,34nm,1.4s			Iamb	Iamb	12 00 47.5			
SKAG	comp=Z,3um,20.0s			IAMS_20	IAMS_20	12 18 17.4			
SKAG	Skagway	45.78	340	P	P	12 00 29.4 +0.6			
JCUZ	Jacuzzi	45.88	279	IAMS_20	IAMS_20	12 17 27.4			
STCH	Steam Creeks	45.90	279	IAMS_20	IAMS_20	12 18 14.0			
BYL	Byron's Ledge	46.02	279	IAMS_20	IAMS_20	12 16 46.2			
HATHI	Halema'uma'u T	46.02	279	IAMS_20	IAMS_20	12 14 50.2			
WRGLY	Wrigley	46.04	349	Iamb	Iamb	12 00 55.0			
WRGLY	Wrigley	46.04	349	P	P	12 00 30.2 -0.5			
WRMH	West Rim	46.06	279	IAMS_20	IAMS_20	12 17 43.2			
PLBC	Pleasant Camp	46.12	339	P	P	12 00 31.3 -0.2			
N32M	Quit Lake	46.43	343	P	P	12 00 32.8 -1.1			
WHY	Whitehorse	46.57	341	Iamb	Iamb	12 01 02.3			
WHY	comp=Z,4um,21.0s			IAMS_20	IAMS_20	12 19 10.4			
WHY	Whitehorse	46.57	341	P	P	12 00 33.8 -1.4			
P29M	Windy Craggy	46.71	339	Iamb	Iamb	12 01 00.1			
P29M	comp=Z,45nm,1.4s			IAMS_20	IAMS_20	12 18 05.1			
P29M	Windy Craggy	46.71	339	P	P	12 00 35.2 -1.0			
P30M	Million Dollar	46.82	340	P	P	12 00 35.3 -1.7			
SCHO	Schefferville	47.00	30	P	P	12 00 40.3 +1.8			
SCHO	comp=Z,8.6nm,1.1s, baz=226,slow=18,SNR=3.4			LR	LR	12 21 36.1			
O30N	Mendhall	47.03	341	Iamb	Iamb	12 00 49.2			
O30N	comp=Z,97nm,1.4s			IAMS_20	IAMS_20	12 19 10.5			
O30N	Mendhall	47.03	341	P	P	12 00 37.0 -1.7			
MMPY	Sheldon Lake,	47.16	345	P	P	12 00 38.1 -1.5			
YK2U	Yakutat	47.31	338	IAMS_20	IAMS_20	12 23 35.8			
PNL	Peninsula	47.32	338	P	P	12 00 39.9 -1.0			
FARO	Faro, Yukon	47.38	343	IAMS_20	IAMS_20	12 20 02.9			
FARO	Faro, Yukon	47.38	343	P	P	12 00 38.3 -3.1			
N31M	Braeburn, Yuko	47.49	341	Iamb	Iamb	12 01 06.0			
N31M	Braeburn, Yuko	47.49	341	P	P	12 00 41.5 -0.7			
O29M	Mount Kennedy	47.49	339	Iamb	Iamb	12 01 09.5			
O29M	comp=Z,2um,19.0s			IAMS_20	IAMS_20	12 19 58.7			
O29M	Mount Kennedy	47.49	339	P	P	12 00 40.3 -2.0			
HYT	Haines Junctio	47.52	340	Iamb	Iamb	12 01 02.8			
HYT	comp=Z,49nm,1.6s			P	P	12 00 41.9 -0.7			
M31M	Drury Creek, Y	47.65	343	Iamb	Iamb	12 01 08.0			
M31M	Drury Creek, Y	47.65	343	P	P	12 00 42.6 -0.8			
BOAV	Boa Vista	47.77	104	eP	P	12 00 46.6 +1.5			
BOAV	comp=Z,38nm,1.2s			Iamb	Iamb	12 01 00.4			
BOAV	Boa Vista	47.77	104	P	P	12 00 45.7 +0.7			
N30M	Aishikik Lake	47.87	341	Iamb	Iamb	12 01 09.4			
N30M	Aishikik Lake	47.87	341	P	P	12 00 44.6 -0.6			
YUK6	Outpost Mounta	47.90	340	P	P	12 00 45.5 -0.1			
PINM	Pinnacle	47.93	338	P	P	12 00 44.2 -1.4			
YUK4	Talbot Arm	48.28	340	P	P	12 00 47.7 -0.9			
O28M	Mount Upton	48.39	339	P	P	12 00 49.3 -0.2			
TABL	Table Mountain	48.49	338	Iamb	Iamb	12 01 12.1			
TABL	comp=Z,49nm,1.4s			IAMS_20	IAMS_20	12 24 44.0			
MESA	MESA	48.60	337	P	P	12 00 50.1 -0.9			
YUK8	Steele Glacier	48.61	339	P	P	12 00 51.4 +0.2			
M30M	Minto, Yukon	48.64	342	P	P	12 00 51.1 0.0			
YAH	Yahitsie	48.65	338	IAMS_20	IAMS_20	12 24 24.6			
ETMB	Extrema	48.75	122	P	P	12 00 52.4 -0.1			

3d 11h

SI	Sitkinak Islan	51.83 329	P	P	12 01 14.0	-1.3
KNK	Knik Glacier	51.85 336	Iamb	Iamb	12 01 38.6	
KNK	Knik Glacier	51.85 336	P	P	12 01 16.5	+1.1
FRB	Frobisher Bay	51.86 20	LR	LR	12 23 55.2	
SCRK	Sand Creek	51.89 340	Iamb	Iamb	12 01 25.7	
SCRK	Sand Creek	51.89 340	IAMS_20	IAMS_20	12 25 12.1	
SCRK	Sand Creek	51.89 340	P	P	12 01 17.0	+1.1
H29M	Whitestone	51.90 344	Iamb	Iamb	12 01 39.5	
H29M	Whitestone	51.90 344	P	P	12 01 17.1	+1.4
BRLK	Bradley Lake	51.91 333	Iamb	Iamb	12 01 39.6	
BRLL	Bradley Lake	51.91 333	IAMS_20	IAMS_20	12 19 55.4	
CNPM	China Foot	51.93 333	Iamb	Iamb	12 01 35.0	
CNPM	China Foot	51.93 333	IAMS_20	IAMS_20	12 19 46.0	
G30M	TAoh Zraii Nji	51.97 346	Iamb	Iamb	12 01 23.1	
G30M	TAoh Zraii Nji	51.97 346	P	P	12 01 16.8	+0.5
SML	Sawmill	52.04 336	Iamb	Iamb	12 01 39.7	
SML	Sawmill	52.04 336	IAMS_20	IAMS_20	12 20 19.8	
SML	Sawmill	52.04 336	P	P	12 01 17.9	+1.1
J26L	Joseph Creek	52.12 341	IAMS_20	IAMS_20	12 23 42.1	
J26L	Joseph Creek	52.12 341	P	P	12 01 18.3	+0.8
RC01	Rabbit Creek A	52.16 335	IAMS_20	IAMS_20	12 20 13.2	
RC01	Rabbit Creek A	52.16 335	P	P	12 01 18.5	+0.7
HOM	Home	52.17 333	P	P	12 01 18.3	+0.5
PMR	Palmer	52.22 336	Iamb	Iamb	12 01 37.6	
PMR	Palmer	52.22 336	P	P	12 01 17.0	-1.1
CHIR	Chirikof Islan	52.23 327	IAMS_20	IAMS_20	12 19 28.1	
CHIR	Chirikof Islan	52.23 327	P	P	12 01 18.0	-0.3
GHO	Glory Hole Cre	52.24 336	Iamb	Iamb	12 01 41.9	
WAT6	Susitna Watana	52.28 337	P	P	12 01 18.3	-0.5
I27K	Kandik River	52.32 342	P	P	12 01 19.4	+0.5
G29M	Pine Creek	52.35 345	P	P	12 01 18.6	-0.5
K24K	Donnelly Dome	52.37 339	P	P	12 01 20.5	+1.2
F30M	Garrier River	52.38 346	P	P	12 01 20.3	+1.1
FIS	Fire Island	52.39 335	IAMS_20	IAMS_20	12 20 20.0	
R18K	Kariuk	52.42 330	P	P	12 01 20.2	+0.6
DHY	Denali Highway	52.46 338	P	P	12 01 20.3	+0.2
INK	Inuvik	52.47 348	Iamb	Iamb	12 01 35.8	
INK	Inuvik	52.47 348	P	P	12 01 19.9	+0.1
INK	Inuvik	52.47 348	LR	LR	12 23 29.9	
I26K	Coal Creek Min	52.56 342	IAMS_20	IAMS_20	12 22 11.6	
I26K	Coal Creek Min	52.56 342	P	P	12 01 21.2	+0.6
CAPN	Captain Cook N	52.56 334	IAMS_20	IAMS_20	12 20 11.7	
CAPN	Captain Cook N	52.56 334	P	P	12 01 20.2	-0.4
XMAS	Kiritimati	52.58 258	IAMS_20	IAMS_20	12 17 27.6	
Q19K	Cape Douglas,	52.69 331	P	P	12 01 23.0	+1.3
M22K	Willow	52.70 336	P	P	12 01 21.3	-0.3
WAT1	Susitna Watana	52.73 337	P	P	12 01 21.2	-0.8
H27K	Steamboat Moun	52.75 343	P	P	12 01 21.9	-0.2
J25K	Salcha River,	52.77 340	Iamb	Iamb	12 01 41.3	
J25K	Salcha River,	52.77 340	P	P	12 01 24.5	+2.3
PMOR	Pomarioleo Ree	52.78 233	eT	T	12 57 42.8	
SUA	Susitna One	52.78 335	Iamb	Iamb	12 01 46.1	
SUA	Susitna One	52.78 335	P	P	12 01 23.0	+0.6
O20K	Slope Mountain	52.82 333	P	P	12 01 23.2	+0.5
P19K	Oil Pt	52.86 332	IAMS_20	IAMS_20	12 21 20.7	
P19K	Oil Pt	52.86 332	P	P	12 01 23.7	+0.7
CUT	Chulitna	53.13 336	IAMS_20	IAMS_20	12 26 36.6	
CUT	Chulitna	53.13 336	P	P	12 01 26.3	+1.5
HDA	Harding Lake	53.16 339	Iamb	Iamb	12 01 34.8	
HDA	Harding Lake	53.16 339	IAMS_20	IAMS_20	12 24 18.4	
HDA	Harding Lake	53.16 339	P	P	12 01 24.6	-0.5
Q18K	Katmai Hardscr	53.18 331	P	P	12 01 24.7	-0.7
RND	Reindeer	53.19 338	IAMS_20	IAMS_20	12 26 37.4	
G27K	Doyon Strip	53.21 343	P	P	12 01 25.1	-0.4
N20K	Mount Spurr	53.23 334	P	P	12 01 24.7	-1.1
SPCR	Spurr Chakacha	53.23 334	P	P	12 01 25.3	-0.4
F28M	Old Crow	53.35 345	Iamb	Iamb	12 01 38.2	
F28M	Old Crow	53.35 345	P	P	12 01 26.3	-0.1
IL31	IL31	53.37 340	Iamb	Iamb	12 01 35.6	
ILAR	Elison Array	53.37 340	P	P	12 01 23.1	-3.4
ILAR	Elison Array	53.37 340	LR	LR	12 25 40.6	
SKT	Skwenta	53.38 335	Iamb	Iamb	12 01 48.5	
SKT	Skwenta	53.38 335	IAMS_20	IAMS_20	12 20 45.3	
SKT	Skwenta	53.38 335	P	P	12 01 25.9	-0.8
R17K	Ugashik Creek	53.39 329	IAMS_20	IAMS_20	12 20 41.4	
R17K	Ugashik Creek	53.39 329	P	P	12 01 26.5	-0.3
MCK	McKinley	53.42 338	P	P	12 01 25.5	-1.5
Q17K	Contact Creek	53.42 330	P	P	12 01 25.6	-1.6
PRP	Porcupine Dome	53.42 341	Iamb	Iamb	12 01 36.5	
PRP	Porcupine Dome	53.42 341	IAMS_20	IAMS_20	12 22 33.5	
PRP	Porcupine Dome	53.42 341	P	P	12 01 23.8	-3.3
E29M	Blow River	53.48 346	P	P	12 01 25.8	-1.5
WRH	Wood River Hill	53.58 339	IAMS_20	IAMS_20	12 24 19.6	
CCB	Clear Creek Bu	53.59 339	IAMS_20	IAMS_20	12 24 32.0	

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O19K	Port Alsworth	53.61 333	P	P	12 01 26.8	-1.6
P18K	Big Mountain,	53.63 331	P	P	12 01 27.7	-1.0
TRF	The Fare Moun	53.74 337	P	P	12 01 28.0	-1.6
COLA	College	53.75 340	IAMS_20	IAMS_20	12 24 36.3	
COLA	College	53.75 340	P	P	12 01 28.8	-0.6
POKR	Poker Plat Res	53.77 340	Iamb	Iamb	12 01 38.7	
POKR	Poker Plat Res	53.77 340	IAMS_20	IAMS_20	12 24 36.6	
POKR	Poker Plat Res	53.77 340	P	P	12 01 27.8	-1.7
O18K	Koktuh Hills	53.84 332	P	P	12 01 29.2	-0.9
CHGN	Chignik	53.86 327	IAMS_20	IAMS_20	12 20 18.1	
CHGN	Chignik	53.86 327	P	P	12 01 27.1	-3.2
BWN	Browne	53.87 338	IAMS_20	IAMS_20	12 21 47.8	
G26K	Porcupine Rive	53.90 343	P	P	12 01 29.2	-1.2
MDM	Murphy Dome	53.93 339	IAMS_20	IAMS_20	12 24 41.9	
R16K	Pilot Point	53.94 329	P	P	12 01 31.0	+0.1
CNBA	Chernabura Isl	53.94 325	IAMS_20	IAMS_20	12 18 46.0	
CHNA	Chernabura Isl	53.95 325	P	P	12 01 30.2	-0.7
M20K	Styx River	53.96 335	Iamb	Iamb	12 01 53.7	
M20K	Styx River	53.96 335	IAMS_20	IAMS_20	12 21 09.6	
M20K	Styx River	53.96 335	P	P	12 01 29.4	-1.7
Q16K	King Almon	53.97 330	P	P	12 01 29.7	-1.3
N19K	Bonanza Creek	53.98 333	P	P	12 01 29.6	-1.7
NEA2	Nenana	53.99 339	Iamb	Iamb	12 01 49.4	
NEA2	Nenana	53.99 339	P	P	12 01 29.7	-1.4
H25L	Birch Creek	54.02 342	P	P	12 01 30.8	-0.5
E28M	Babbage River	54.03 346	Iamb	Iamb	12 01 55.0	
E28M	Babbage River	54.03 346	P	P	12 01 30.6	-0.8
KTH	Kantishna Hill	54.03 337	Iamb	Iamb	12 01 51.2	
KTH	Kantishna Hill	54.03 337	IAMS_20	IAMS_20	12 27 06.4	
P17K	Kvikot River	54.09 331	P	P	12 01 30.3	-1.6
PPLA	Purkeypile	54.14 336	P	P	12 01 31.2	-1.3
MDP	Montagnes des	54.15 97	LR	LR	12 27 14.2	
E27K	Coleen River	54.21 345	P	P	12 01 31.9	-0.9
PB09	IPOC Station P	54.25 136	IAMS_20	IAMS_20	12 19 35.5	
BPAW	Bear Paw Mtn,	54.37 338	IAMS_20	IAMS_20	12 21 52.4	
BPAW	Bear Paw Mtn,	54.37 338	P	P	12 01 31.7	-2.2
H24K	Noodor Dome	54.37 340	Iamb	Iamb	12 01 44.3	
H24K	Noodor Dome	54.37 340	P	P	12 01 34.8	+0.8
CAST	Castle Rocks	54.38 337	Iamb	Iamb	12 01 51.9	
CAST	Castle Rocks	54.38 337	IAMS_20	IAMS_20	12 21 53.8	
CAST	Castle Rocks	54.38 337	P	P	12 01 32.3	-1.8
D28M	Stokes Point	54.41 347	P	P	12 01 31.5	-2.6
I23K	Minto, Yukon-K	54.43 339	IAMS_20	IAMS_20	12 25 07.0	
I23K	Minto, Yukon-K	54.43 339	P	P	12 01 33.4	-0.9
G25K	Bearman Lake	54.44 342	P	P	12 01 32.3	-2.0
A36M	Sachs Harbour	54.44 353	P	P	12 01 32.3	-2.0
S14K	Fog Glacier	54.45 327	P	P	12 01 34.3	-0.5
M19K	Big River Lodg	54.49 334	P	P	12 01 33.4	-1.5
F26K	Sheenjek River	54.52 343	P	P	12 01 34.5	-0.6
N18K	Kilae Creek	54.53 333	P	P	12 01 33.3	-1.9
L20K	Farewell, AK	54.58 335	P	P	12 01 34.7	-0.8
SDPT	Sand Point	54.60 325	P	P	12 01 34.3	-1.5
O17K	Koliganek Bris	54.65 331	P	P	12 01 35.5	-0.5
PB06	IPOC Station P	54.68 137	IAMS_20	IAMS_20	12 19 34.9	
CHUM	Lake Minchumim	54.73 337	P	P	12 01 35.1	-1.4
P16K	Nushagak River	54.75 330	P	P	12 01 35.4	-1.3
G24K	Hadwcznic Riv	54.80 341	Iamb	Iamb	12 02 00.4	
G24K	Hadwcznic Riv	54.80 341	IAMS_20	IAMS_20	12 23 29.0	
G24K	Hadwcznic Riv	54.80 341	P	P	12 01 37.2	+0.1
L19K	White Mountain	54.82 335	P	P	12 01 36.7	-0.5
D27M	Malcolm River	54.85 346	P	P	12 01 37.7	+0.2
F25K	Christian River	54.87 343	P	P	12 01 37.7	+0.1
M18K	Stony River	54.88 334	P	P	12 01 37.9	+0.3
H23K	Yukon River	54.90 340	IAMS_20	IAMS_20	12 25 30.6	
H23K	Yukon River	54.90 340	P	P	12 01 37.1	-0.7
N17K	Nushagak Hills	55.02 332	Iamb	Iamb	12 01 57.0	
N17K	Nushagak Hills	55.02 332	P	P	12 01 39.3	+0.6
O16K	Kokwok River B	55.03 331	IAMS_20	IAMS_20	12 22 05.8	
O16K	Kokwok River B	55.03 331	P	P	12 01 38.7	-0.1
LVC	Limon Verde	55.04 137	LR	LR	12 20 10.6	
LVC	Limon Verde	55.04 137	P	P	12 01 47.6	+7.8
PB15	IPOC Station P	55.10 138	IAMS_20	IAMS_20	12 19 35.1	
K20K	Telida	55.11 336	IAMS_20	IAMS_20	12 22 13.9	
K20K	Telida	55.11 336	P	P	12 01 38.7	-0.6
E25K	Arctic Village	55.21 343	Iamb	Iamb		

3d 12h

Table with columns for station name, elevation, frequency, and various signal quality metrics. Includes stations like ERM Ermo, JKA Kamikawa-asahi, and YAK Yakutsk.

2017 NOV

Table with columns for station name, elevation, frequency, and various signal quality metrics. Includes stations like YAK YAK, YAK YAK, and YAK YAK.

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Table with columns for station name, elevation, frequency, and various signal quality metrics. Includes stations like SDPT Sand Point, M15K Sandigul River, and MK31 Makanchi Array.

KPKS	Kokpek	46.85	298	eP	P	12 46 34.4	-1.1	AAK	Ala-Archa	50.03	298	cP	P	12 46 59.6	-0.6	G31M	baz=282 Satah River	54.90	29	P	P	12 47 36.6	+1.1		
K20K	Telida	46.88	34	P	P	12 46 36.9	+1.5	AAK									SVE	baz=282 Sverdlouvs	54.90	319	eP	P	12 47 36.1	+0.4	
J20K	Nowinta River	46.89	33	IAMB	IAMB	12 46 40.0		SCM	comp=Z,9.0nm,1.7s Sheep Creek Mo	50.03	36	P	P	12 47 00.7	+1.0	SVE	comp=Z,1.9nm,0.9s SVE			pmax	pmax				
J20K	Nowinta River	46.89	33	P	P	12 46 36.8	+1.4	ILAR	comp=Z,3.1nm,0.8s,baz=261,slow=5.1,SNR=21 Eielson Array	50.04	32	P	P	12 47 00.7	+1.0	N30M	comp=Z,1.9nm,0.9s Aishik Lake	54.91	36	P	P	12 47 37.6	+1.7		
L20K	Farewell, AK	46.94	35	P	P	12 46 37.2	+1.3	ILAR	comp=Z,0.5nm,0.5s,baz=288,slow=3.2,SNR=4.4 Ortaya	50.04	306	P	P	12 48 19.3	+0.2	MAYO	Mayo, Yukon	54.96	33	P	P	12 47 37.7	+1.5		
PKI	Pulchoki	47.06	275	eP	P	12 46 37.0	-0.6	OTUK	comp=Z,9.0nm,1.0s Kavik River	50.15	26	P	P	12 46 58.9	-1.1	F31M	Tsigheitchik	54.98	29	P	P	12 47 37.8	+1.6		
PKIN	Pulchoki	47.07	275	eP	P	12 46 36.8	-0.8	D25K	baz=270 Kavik River	50.15	26	P	P	12 47 00.8	+0.1	P29M	Windy Craggy	55.05	38	P	P	12 47 38.9	+2.1		
C21K	Knifeflade Riv	47.15	26	P	P	12 46 39.0	+1.6	MTN	Mountain Dam	50.18	192	P	P	12 47 00.8	-0.4	H31M	Peel River	55.11	30	P	P	12 47 39.0	+1.8		
B21K	Ikpiuk River	47.28	26	P	P	12 46 40.1	+1.8	P23K	Montague Isian	50.18	38	P	P	12 47 01.2	+0.4	P30M	Million Dollar	55.30	37	P	P	12 47 40.5	+1.8		
M20K	Styx River	47.28	36	P	P	12 46 40.4	+1.7	PLAI	Plampang	50.20	210	P	P	12 47 02.0	+0.6	N31M	Bræburn, Yuko	55.52	35	IAMB	IAMB	12 47 46.1			
G21K	Allakaket	47.32	30	IAMB	IAMB	12 46 45.0		GLI	Glacier Island	50.24	37	P	P	12 47 02.2	+0.9	N31M	Bræburn, Yuko	55.52	35	P	P	12 47 42.3	+2.0		
G21K	Allakaket	47.32	30	P	P	12 46 40.6	+1.8	BVAO	Borovoye Array	50.25	312	iP	P	12 47 00.3	-1.2	O30N	Mendenthal	55.55	36	P	P	12 47 42.3	+1.8		
E21K	Kilik River	47.34	27	P	P	12 46 40.7	+1.8	BVAR	Borovoye Array	50.25	312	P	P	12 47 00.6	-0.9	PLBC	Pleasant Camp	55.77	38	P	P	12 47 43.9	+1.9		
F21K	Alatina River	47.39	29	P	P	12 46 41.0	+1.7	BVAR	comp=Z,3.0nm,0.7s,baz=31,slow=3.3,SNR=4.2 comp=Z,6.5nm,0.9s							M31M	Drury Creek, Y	55.97	34	P	P	12 47 45.6	+2.2		
H21K	Melozhna Rive	47.55	31	P	P	12 46 42.0	+1.4	G25K	Beaman Lake	50.28	30	P	P	12 47 02.3	+0.9	ARU	Arti	56.11	318	P	P	12 47 43.5	-1.0		
O20K	Slope Mountain	47.56	39	P	P	12 46 41.8	+1.0	BRVK	Borovoye	50.31	312	P	IAMB	12 47 01.2	-0.6	ARU	Arti	56.11	318	iP	P	12 47 44.1	-0.4		
CHUM	Lake Minchumin	47.68	33	P	P	12 46 43.3	+1.7	BRVK	comp=Z,8.7nm,0.9s Borovoye	50.31	312	P	P	12 47 01.2	-0.6	ARU	Arti	56.11	318	P	P	12 48 39.3			
KDAK	Kodiak Island	47.70	42	P	P	12 46 43.2	+1.4	BRVK	comp=Z,9.0nm,1.0s Borovoye	50.31	312	P	P	12 47 01.6	-0.2	ARU	Arti	56.11	318	P	P	12 49 47.5			
PPLA	Purkeypile	47.73	35	P	P	12 46 43.3	+1.2	ARLS	Aral	50.38	297	P	P	12 47 03.3	+0.5	ARU	Arti	56.11	318	P	P	12 58 32.5	+0.9		
N20K	Mount Spurr	47.73	37	P	P	12 46 43.9	+1.7	F25K	Christian Rive	50.43	29	P	P	12 47 04.1	+1.4	ARU	Arti	56.11	318	P	P	12 59 17.0	-0.5		
SPCR	Spurr Chakacha	47.73	37	P	P	12 46 44.2	+2.0	E25K	Arc Village	50.45	28	P	P	12 47 04.5	+1.7	ARU	Arti	56.11	318	P	P	12 47 43.9	-0.5		
CAST	Castle Rocks	47.78	34	P	P	12 46 44.2	+1.8	COEN	Coen	50.54	177	P	P	12 47 04.5	+0.6	WHY	Whitehorse	56.16	36	P	P	12 47 46.7	+1.8		
D22K	Ayikyak River	47.86	27	P	P	12 46 44.6	+1.7	M24K	Tolsona, Glenn	50.55	36	P	P	12 47 04.9	+1.2	SKAG	Skagway	56.23	38	P	P	12 47 47.5	+1.9		
I21K	Tanana	47.87	32	P	P	12 46 44.5	+1.5	K24K	Donnelly Dome	50.58	33	P	P	12 47 05.2	+1.3	FARO	Faro, Yukon	56.43	34	P	P	12 47 48.3	+1.6		
F22K	John River	47.92	29	P	P	12 46 45.0	+1.5	J25K	Salcha River,	50.70	32	P	P	12 47 06.5	+1.8	WB0	Warramunga Arr	56.57	187	P	P	12 47 47.8	-0.3		
TARG	Taragoy, Krygy	47.93	296	IAMB	IAMB	12 46 48.0		KLU	Klutina	50.74	36	IAMB	IAMB	12 47 10.7		WRAB	Tennant Creek	56.73	187	P	P	12 47 49.2	-0.1		
CHKK	Chushkaly	47.95	299	eP	P	12 46 42.1	-1.9	KLU	Klutina	50.74	36	P	P	12 47 06.0	+1.0	WRAB	Tennant Creek	56.73	187	P	P	12 47 49.6	+0.3		
CHKK	Chushkaly	47.95	299	eP	P	12 46 42.9	-1.1	EYAK	Cordova Ski Ar	50.93	38	P	P	12 47 07.9	+1.4	WRAB	Tennant Creek	56.73	187	P	P	12 47 49.8	+0.5		
DANN	Dangsinj	48.04	277	eP	P	12 46 44.7	-0.5	F26K	Sheenjek River	51.00	28	P	P	12 47 08.8	+1.9	WRB2	Warramunga Arr	56.74	187	P	P	12 47 49.5	+0.2		
SKT	Skwentna	48.04	36	P	P	12 46 45.3	+0.9	G26K	Porcupine Rive	51.18	29	P	P	12 47 10.2	+2.0	WRA	Warramunga Arr	56.74	187	P	P	12 47 49.0	-0.3		
MDOK	Medeo	48.08	298	eP	P	12 46 44.7	-0.5	M25K	Chitina, Valde	51.35	36	P	P	12 47 10.2	+0.6	KBL	Kabul	56.90	291	P	P	12 47 46.2	-4.5		
MDOK	Medeo	48.08	298	eP	P	12 46 44.7	-0.5	SCRK	Sand Creek	51.35	33	IAMB	IAMB	12 47 14.7		SIT	Sitka	56.96	40	P	P	12 47 51.3	+0.7		
E22K	Anaktuvuk Pass	48.11	28	IAMB	IAMB	12 46 50.2		SCRK	comp=Z,8.1nm,1.0s Sand Creek	51.35	33	P	P	12 47 11.2	+1.4	P32M	Atlin	57.02	37	P	P	12 47 52.9	+1.3		
G22K	Bettles	48.14	29	P	P	12 46 46.1	+1.0	BMRM	Bremner River	51.43	37	P	P	12 47 12.2	+1.9	R32K	Eaglecrest	57.02	39	P	P	12 47 52.9	+2.0		
H22K	Ishatlina Cre	48.15	31	P	P	12 46 46.2	+1.0	I26K	Coal Creek Min	51.58	31	P	P	12 47 13.4	+2.2	QIS	Mount Isa	57.05	181	P	P	12 47 52.3	+0.8		
KUU	Kurly	48.40	299	eP	P	12 46 46.1	-1.4	MENT	Mentasta	51.59	34	IAMB	IAMB	12 47 17.0		JIS	Juneau Island	57.09	39	IAMB	IAMB	12 47 52.5			
KUU	Kurly	48.40	299	eP	P	12 46 46.0	-1.4	KAIM	Kayak Island	51.68	38	P	P	12 47 14.3	+2.3	P33M	Teslin, Yukon	57.27	36	IAMB	IAMB	12 47 59.1			
BRSE	Bradley Lake S	48.52	39	P	P	12 46 48.9	+0.7	L26K	Log Cabin Wild	51.75	34	P	P	12 47 14.7	+2.1	P33M	Teslin, Yukon	57.27	36	P	P	12 47 54.3	+1.5		
TRF	Thorofare Moun	48.59	34	IAMB	IAMB	12 46 59.3		E27K	Coleen River	51.93	28	P	P	12 47 15.9	+2.0	AB31	Abkutak array	57.60	310	iP	P	12 47 54.1	-1.0		
TRF	Thorofare Moun	48.59	34	P	P	12 46 50.0	+1.2	M26K	Nabesna, AK	51.99	35	P	P	12 47 16.0	+1.5	AKTO	Abkutak array	57.60	310	P	P	12 47 54.9	-0.9		
C23K	Ikilik River	48.69	25	P	P	12 46 50.8	+1.6	G27K	Doyon Strip	52.03	29	P	P	12 47 16.6	+2.0	U33K	Whale Pass	58.44	41	P	P	12 48 02.8	+1.9		
M22K	Willow	48.72	36	P	P	12 46 50.9	-0.9	D27M	Malcolm River	52.07	26	P	P	12 47 16.9	+2.0	S34M	Telegraph Cree	58.84	39	P	P	12 48 05.7	+2.0		
PYUN	Piuthan	48.76	277	eP	P	12 46 49.9	+0.8	ARK	Arkit	52.08	298	P	P	12 47 15.2	-0.3	TGNT	Hyland Airport	58.94	34	P	P	12 48 06.9	+2.5		
SOEI	Soe	48.79	202	P	P	12 46 50.5	-0.2	MCARA	McCarthy VSAT	52.08	298	P	P	12 47 17.7	+2.3	T35M	Bob Quinn	59.62	39	P	P	12 48 11.7	+2.6		
SOEI	Soe	48.79	202	P	P	12 46 50.9	+0.1	H27K	Steamboat Moun	52.15	30	P	P	12 47 17.8	+2.3	KIRV	Kirou	60.05	323	cP	P	12 48 12.3	+0.4		
H23K	Yukon River	48.90	31	P	P	12 46 51.2	+0.3	I27K	Kandik River	52.18	31	P	P	12 47 18.1	+2.3	ALE	Alert	60.38	3	P	P	12 48 14.6	+0.6		
E23K	Chandalar	48.93	28	P	P	12 46 51.9	+0.6	K27K	Kandik River	52.18	31	P	P	12 47 17.7	+1.9	AS31	Alice Springs	60.47	187	P	P	12 48 15.8	+0.5		
RC01	Rabbit Creek A	48.94	37	P	P	12 46 52.0	+0.8	L27K	Beaver Creek,	52.43	34	P	P	12 47 19.9	+2.2	ASAR	Alice Springs	60.47	187	P	P	12 48 15.6	+0.3		
RC01	Rabbit Creek A	48.94	37	P	P	12 46 52.0	+0.8	EGAK	Eagle Creek	52.48	32	P	P	12 47 20.0	+2.1	comp=Z,4.9nm,0.8s,baz=290,slow=6.1,SNR=36		AB31	Abkutak array	57.60	310	P	P	12 47 54.1	-1.0
TOLK	Toolik Lake Re	48.97	27	P	P	12 46 51.8	+0.2	M27K	Edge Creek, AK	52.52	35	P	P	12 47 20.6	+2.2	AKTO	Abkutak array	57.60	310	P	P	12 47 54.9	-0.9		
O22K	Cooper Landing	48.98	38	P	P	12 46 53.7	+2.0	F28M	Old Crow	52.64	28	P	P	12 47 21.5	+2.5	U33K	Whale Pass	58.44	41	P	P	12 48 02.8	+1.9		
NEA2	Nenana	49.10	33	P	P	12 46 54.1	+1.5	E28M	Babbage River	52.65	27	P	P	12 47 21.5	+2.3	S34M	Telegraph Cree	58.84	39	P	P	12 48 05.7	+2.0		
SEW	Seward	49.15	38	P	P	12 46 54.1	+1.2	KK31	Karatay Array	52.68	300	P	IAMB	12 47 19.1	-0.7	TGNT	Hyland Airport	58.94	34	P	P	12 48 06.9	+2.5		
TKM2	Tokmak 2	49.17	298	P	P	12 46 53.6	-0.1	KK31	Karatay Array	52.68	300	P	IAMB	12 47 20.4		T35M	Bob Quinn	59.62	39	P	P	12 48 11.7	+2.6		
MCK	McKinley	49.19	34	P	P	12 46 54.9	+1.7	KK31	Karatay Array	52.68	300	P	pmax	12 47 19.2	-0.7	KIRV	Kirou	60.05	323	cP	P	12 48 12.3	+0.4		
PMR	Palmer	49.20	36	P	P	12 46 54.6	+1.4	KKAR	Karatay Array	52.68	300	P	pmax	12 47 19.4	-0.4	ALE	Alert	60.38	3	P	P	12 48 14.6	+0.6		
RND	Reindeer	49.23	34	IAMB	IAMB	12 46 58.6		KKAR	Karatay Array	52.68	300	P	pmax	12 47 19.4	-0.4	AS31	Alice Springs	60.47	187	P	P	12 48 15.8	+0.5		
D24K	Happy Valley	49.27	26	P	P	12 46 54.1	+0.4	MESA	MESA	52.85	38	P	P	12 47 21.7	+0.7	ASAR	Alice Springs	60.47	187	P	P	12 48 15.6	+0.3		
GHO	Glory Hole Cre	49.28	36	IAMB	IAMB	12 46 59.2		I28M	Miner Creek	52.90	31	P	P	12 47 23.2	+2.0	comp=Z,4.9nm,0.8s,baz=290,slow=6.1,SNR=36		S34M	Telegraph Cree	58.84	39	P	P	12 48 05.7	+2.0
C24K	Franklin Bl																								

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like Maddies Statio, UALR University of, S39A Bolivar, etc.

WEL 03 13:42:31.41, 9.37'S, 177.91'E, h10km, M3.3/28, ML3.6/28, MLV3.3/28, Error ellipse: s-maj=0.0km s-min=0.0km az=88.1, confirmed, Off east coast of

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

IDC 03 13:45:44.2, 2.2, 2.48S, 128.25E, h0km, mb3.2/2, s-btmp3.3/3, ML3.5/1, Error ellipse: s-maj=143.9km s-min=28.1km az=68.0, Ceram Sea

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

NOU 03 13:46:12.5, 22.01S, 176.16W, h500km, mb4.0/8, South of Fiji Islands, South of Fiji Islands

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

OUENC Ouen Island, N 15.75 265 P P 13 49 31.2 +0.8
ONTNC Ouen Toro 16.11 266 P P 13 49 34.7 +0.5

NEIC 03 13:50:50.7, 1.6, 2.5'S, 0.2, 179.6W, h0.2, h519km, 19km, mb4.4/2.5, Error ellipse: s-maj=36.6km s-min=20.7km az=50.0
IDC 03 13:50:52.6, 3.2, 2.4, 78S, h179.75E, h493km, 42km, mb3.3/5, s-btmp4.1/5, Error ellipse: s-maj=102.3km s-min=21.1km az=162.0

ISC 03 13:50:51.9, 1.1, 25.4S, 0.1, 180.0E, 0.1, h500km, n35, r110/35, mb4.3/16, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like KOUNC Black Stump Fm, MRZ Mangatainoka R, etc.

WEL 03 14:02:21.9, 0.3, 0.0, S, 2, 17.5E, h29km, 4km, M3.5/82, ML4.0/23, MLV3.5/82, Error ellipse: s-maj=0.0km s-min=0.0km az=91.5, confirmed

NEIC 03 14:02:21.6, 2.2, 39.91'S, 0.0, 175.15E, h0.07, h27km, 8km, mb4.0/5, Error ellipse: s-maj=8.5km s-min=5.7km az=109.0

NOU 03 14:02:22.9, 39.99'S, 175.12E, h61km, MLV3.8/12, North Island, New Zealand
ISC 03 14:02:21.7, 0.7, 39.95S, 0.0, 175.13E, h0.02, h26km, n182, r0587/195, mb4.0/3, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like WAZ Wanganui, OHWZ Ohakea, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like NMEZ Namu Road, BFZ Birch Farm, etc.

3d 16h

Table with columns: QSPA, South Pole Qui, 68.46 180, P, P, 16 11 24.9 -0.7, 16 11 33.8, 16 11 26.8 +1.2, 16 20 02.0 +1.4, 16 20 05.8 -0.4, 16 20 06.2 +0.8

IDC 03 16:05:00.3-0.5, 29.26Sx179.05W, h356km, 6km, mb3.2/5, mtdmp4.0/6, Error ellipse: s-maj=22.2km s-min=17.4km

ISC 03 16:04:59.7-0.7, 29.54S, 0.07-179.0W, 0.1, h350km, n64, r=146/70, mb3.6/5, Kermadec Islands region

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

EAJ 03 16:05:48.9, 26.18S, 29.40E, h10km, MC3.5, BUL 03 16:05:49.9, 1.7, 26.15S, 29.32E, h10km, MD3.7

ISC 03 16:05:33.5, 1.4, 26.35S, 0.06-29.46E, 0.06, h10km, n10, r=25/49/20, South Azores

Continuation of station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 03 16:49:24.9, 0.8, 16.46N, 93.89W, h121km, 5km, mb3.9/9, mtdmp4.2/10, MS3.9/1, Error ellipse: s-maj=16.4km

NEIC 03 16:49:25.0, 2.8, 16.41N, 0.06-93.90W, 0.05, h130km, 4km, mb4.6/46, Md4.8/1(M), Error ellipse: s-maj=8.3km

MEX 03 16:49:26.0, 0.6, 16.39N, 93.99W, h123km, 5km, MD4.8, CATAC 03 16:49:30.8, 0.9, 16.29N, 93.59W, h12km, 14km, ML4.7

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Hypocentre not reviewed by the ISC, ISC 03 16:49:24.2, 0.5, 16.39N, 0.03-94.00W, 0.03, h131km, 4km, n148, r=25/16/208, mb4.5/19, 1D, Chiapas

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

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Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes entries like CAF Calviac, MFF Saint Martin d, KEST Kesra, etc.

Technical notes and data for station 17h, including coordinates, elevation, and various parameters like IDC 03 17:19:07.3, 0.6, 52:95N, 166:82W, h0km, mb4.6/32, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes entries like Code Station Name, Az, AZ, Phase ID, etc.

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes entries like FALS False Pass, HAG Hagia Volcano, PNTA Pavlov North-7, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes entries like IL31, ILAR Eielson Array, ILAR Eielson Array, etc.

3d 17h

Table with columns for station name, frequency, power, and other technical details. Includes stations like LUNU, NACGM, MNK, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like JIRN, CMAR, ZVM, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like VRI, SIRR, PRED, etc.

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like CHVC, GOPE, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like la Bastide-des, Saint-Julien-I, VIVF, etc.

IDC 03 18:20:15.8; 1.5, 32.21N; 141.73E, h0km, mb4.07, s-min=17.0km az=65.0, Error ellipse: s-maj=51.2km

NIED 03 18:20:15.7, 32.31N; 141.95E, h9km, MW3.9, Moment Tensor Solution. s3 Moment tensor: Scale 1014Nm;

JMA 03 18:20:15.7, 0.4, 32.1N; 141.73E, h9km, MW3.7/23.E OFF HACHUJIMA ISLAND

NEIC 03 18:20:19.6; 1.8, 32.37N; 0.08; 142.1E; 0.1, h34km, 5km, mb4.2/8, Error ellipse: s-maj=16.4km s-min=10.6km

ISC 03 18:20:15.0; 0.7, 32.26N; 0.06; 142.11E; 0.08, h10km, n47, s1759.0, mb4.2/11, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like JAOM, Aogashimamukai, JHCJ, Hachiojijimaka, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like MAT, Matushiro, MJB9, Matsu-Tunnel, etc.

IDC 03 18:44:21.1; 1.1, 0.36; 95N; 27.92E, h0km, mb3.6/6, mbmp3.6/10, ML3.4/4, MS2.6/2, Error ellipse:

ATH 03 18:44:21.5, 36.95N; 28.16E, h7km, 2km, ML3.8/8, Error ellipse: s-maj=3.5km s-min=1.9km az=235.0

AFAD 03 18:44:22.4; 0.0, 36.89N; 28.03E, h14km, 2km, MW3.6, ISC 03 18:44:22.6; 0.9, 36.92N; 0.02; 28.03E; 0.01, h11km, 6km, n95, s485/133, mb3.6/6, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like TURN, Turunc, RFTAA, Mazikoy-Bodrum, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like CAMC, Cameli-Denizli, DNIZ, Denizli-Tavas, etc.

3d 18h

ROSI	Roskopf	0.23 176	Pg Sg	Pg Sg	18 47 53.8 -0.4
ROSI	Roskopf	0.23 176	U P S	Pg Sg	18 47 53.8 -0.4
ROSI			S	Pg Sg	18 47 53.8 -0.4
ROSI			AML	Pg Sg	18 47 53.8 -0.4
ROSI	comp=E,3195µm,0.3s			AML	
MOTA	Moosalm	0.27 315	i Pg	Pg	18 47 54.4 -0.6
MOTA	comp=N,4895µm,0.9s				
MOTA	comp=N,122nm,0.1s,SNR=233				
PART	Garmisch-Parte	0.39 332	ePg	Pg Sg	18 47 56.4 -0.7
PART			ePg	Pg Sg	18 48 03.0 +0.7
FETA	Feichten	0.47 254	i Pg	Pg Sg	18 47 57.8 -0.6
FETA	comp=N,6.7nm,0.1s,SNR=15				
FETA	comp=N,42nm,0.2s				
FETA	Feichten	0.47 254	U Pg	Pg Sg	18 47 57.8 -0.6
BRES	Bressanone	0.52 152	Sg	Pg Sg	18 47 59.4 0.0
BRES			AML	Pg Sg	
BRES	comp=N,1300µm,0.2s			AML	
RETA	Reutte	0.54 308	ePg	Pg	18 47 58.6 -1.1
RETA	comp=E,819µm,0.2s				
RETA	Reutte	0.54 308		Pg	18 47 58.6 -1.1
RETA	comp=E,8.4nm,0.1s,SNR=13				
BOSI	Bolzano	0.66 184	U Pg	Pg	18 47 58.5 -1.3
BOSI	comp=N,707µm,0.8s				
APPI	Appiano	0.69 189		AML	
APPI	comp=E,547µm,1.2s				
APPI	comp=E,601µm,1.4s				
APPI	comp=N,398µm,0.3s				
APPI	comp=N,399µm,0.3s				
APPI	comp=N,399µm,1.7s				
APPI	comp=E,601µm,0.6s				
OBER	Oberstdorf	0.79 289	Pg	Pg	18 48 04.0 -0.4
OBER	Oberstdorf	0.79 289	ePn	Pg	18 48 03.9 -0.4
OBER			eSg	Sb	18 48 16.1 +0.8
MOSI	Grossmontoni	0.79 227	U Pg	Pg Sg	18 48 03.9 -0.6
MOSI			P	Pg Sg	18 48 14.2 -0.6
MOSI	Grossmontoni	0.79 227	P	Pg Sg	18 48 03.9 -0.6
MOSI			S	Pg Sg	18 48 14.2 -0.6
MOSI			AML	Pg Sg	
MOSI	comp=E,493µm,1.3s				
MOSI	comp=N,588µm,0.9s				
MOSI	comp=N,588µm,0.9s				
ABTA	Abfaltersbach	0.87 117	ePg	Pg	18 48 05.6 -0.5
ABTA	comp=N,7.9nm,0.1s,SNR=22				
ABTA	comp=N,48nm,0.1s				
LESA	Schwarzeleal	0.92 72	ePg	Pg	18 48 06.1 -0.8
LESA	comp=N,8.2nm,0.1s				
FUORN	Otenpass-Fuorn	0.94 236	Pg	Pg	18 48 06.5 -0.8
FUORN	Otenpass-Fuorn	0.94 236	P	Pg	18 48 06.5 -0.8
FUORN	comp=E,165µm,0.5s				
FUORN	comp=N,112µm,0.6s				
FUORN	comp=E,165µm,0.4s				
BRMO	Bormio	0.97 226	U Pg	Pg	18 48 07.1 -0.8
BRMO	Bormio	0.97 226	P	Pg	18 48 07.1 -0.8
BRMO			AML	Pg	
BRMO	comp=N,126µm,0.4s				
BRMO	comp=E,132µm,0.5s				
BRMO	comp=N,126µm,1.6s				
BRMO	comp=E,132µm,1.5s				
AGOR	Agordo	0.98 152	U Pg	Pg	18 48 07.6 -0.5
AGOR	Agordo	0.98 152	P	Pg	18 48 07.6 -0.5
AGOR	comp=E,258µm,1.5s				
AGOR	comp=E,321µm,0.2s				
AGOR	comp=N,324µm,0.3s				
AGOR	comp=N,414µm,0.9s				
FUR	Furstenfeldbrunn	1.01 356	ePn	Pb	18 48 09.1 +0.4
FUR			eSg	Sn	18 48 26.3 +3.0
UBR	Ueberruh	1.01 302	U Pg	Pg	18 48 08.9 +0.1
UBR	Ueberruh	1.01 302	ePn	Pb	18 48 08.9 +0.1
UBR			eSg	Sb	18 48 23.2 +1.3
UBR			ePg	Pg	18 48 08.1 -1.0
DAVA	Damuels	1.03 278	ePg	Pg	18 48 24.5 +0.5
DAVA	comp=N,1.5nm,0.2s,SNR=21				
DAVA	comp=N,29nm,0.2s				
DAVA	Damuels	1.03 278	Pg	Pg	18 48 08.2 -1.0
DAVA	Damuels	1.03 278	ePn	Pg	18 48 08.2 -1.0
DAVOX	Davos/Dischmat	1.10 251	U Pg	Pg	18 48 09.2 -1.1
DAVOX	Davos/Dischmat	1.10 251	P	Pg	18 48 09.2 -1.1
DAVOX	comp=E,303µm,0.7s				
DAVOX	comp=N,245µm,0.4s				
DAVOX	comp=E,303µm,0.7s				
DAVOX	comp=N,245µm,0.4s				
FVI	Forni Avoltri	1.11 120	P	Pg	18 48 09.8 -0.7
FVI			S	Pg	18 48 24.2 -0.8
FVI	comp=E,276µm,1.1s				
FVI	comp=N,242µm,1.2s				
FVI	comp=E,276µm,0.9s				
FVI	comp=N,242µm,0.8s				
GAGG	Gaggia	1.11 196	P	Pg	18 48 10.1 -0.5
GAGG			S	Pg	18 48 25.0 -0.1
GAGG	comp=N,235µm,0.6s				
GAGG	comp=E,224µm,1.2s				
GAGG	comp=N,235µm,1.4s				
GAGG	comp=E,225µm,1.3s				
GAGG	comp=N,212µm,1.3s				
CIMO	Cimolais	1.11 139	P	Pb	18 48 10.0 -0.3
CIMO			AML	Pb	
CIMO	comp=N,74µm,0.8s				
CIMO	comp=E,68µm,0.4s				
CIMO	comp=N,70µm,0.8s				
CIMO	comp=E,86µm,0.5s				
RJOB	Jochberg	1.12 58	ePn	Pn	18 48 11.6 +1.0
RJOB	Castel Tesino	1.12 171	P	Pg	18 48 10.0 -0.8
CTI			S	Pb	18 48 25.7 +0.7
CTI	comp=N,584µm,0.9s				
CTI	comp=E,572µm,0.2s				
BERNI	Berninapass	1.20 232	Pg	Pb	18 48 11.2 -0.7
LUSI	Trento, Gardas	1.23 194	U Pg	Pn	18 48 12.1 -0.1
LUSI	Trento, Gardas	1.23 194	P	Pn	18 48 12.1 -0.1
LUSI	comp=N,536µm,1.4s				
LUSI	comp=E,358µm,1.1s				
LUSI	comp=N,536µm,0.6s				
LUSI	comp=E,358µm,0.9s				
CLUD	Cludino	1.24 124	P	Pn	18 48 12.2 -0.1
CLUD	comp=E,87µm,0.5s				
CLUD	comp=N,92µm,1.1s				

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CLUD	comp=E,87µm,1.5s				
MABI	Malga Bissina	1.25 209	P	Pn	18 48 12.0 -0.6
MABI	comp=E,76µm,0.5s				
MABI	comp=N,108µm,0.3s				
VARN	Col Varnada, M	1.26 157	P	Pn	18 48 12.4 -0.2
VARN	comp=E,398µm,0.4s				
VARN	comp=E,402µm,0.4s				
VARN	comp=N,224µm,0.5s				
VARN	comp=N,228µm,0.4s				
VARN	comp=E,402µm,1.6s				
VARN	comp=E,398µm,1.6s				
STAL	STALIGAL	1.28 134	P	Pn	18 48 13.0 +0.3
STAL	comp=E,286µm,0.3s				
STAL	comp=N,218µm,0.9s				
STAL	comp=N,218µm,1.1s				
DOSS	Dosso del Somo	1.28 186	U P	Pn	18 48 13.0 +0.1
DOSS	comp=E,569µm,0.4s				
DOSS	comp=N,581µm,0.4s				
DOSS	comp=N,529µm,0.4s				
DOSS	comp=E,562µm,0.5s				
LIENZ	Kamor/St. Gall	1.30 277	U Pg	Pg	18 48 14.7 +0.5
CGRP	Cima Grappa	1.31 167	P	Pn	18 48 13.0 -0.3
CGRP	comp=E,338µm,0.5s				
CGRP	comp=N,367µm,0.8s				
CGRP	comp=N,342µm,0.4s				
CGRP	comp=E,328µm,0.7s				
CGRP	comp=E,328µm,1.3s				
CGRP	comp=N,368µm,0.8s				
KBA	Koelnbreinsper	1.34 93	i Pn	Pn	18 48 14.0 +0.2
KBA	comp=N,20nm,0.2s				
KBA	KBA	1.34 93	ePn	Pn	18 48 13.9 +0.2
KBA	KBA	1.37 266	Pg	Pg	18 48 31.0 -0.5
PLONS	Plons/SG	1.37 266	P	Pb	18 48 15.5 -0.1
PLONS	Plons/SG	1.37 266	P	Pb	18 48 15.3 +0.6
PLONS	comp=E,106µm,1.1s				
PLONS	comp=N,142µm,0.5s				
PLONS	comp=N,142µm,0.4s				
PLONS	comp=E,106µm,0.9s				
MPRI	Monte Prat	1.43 129	P	Pb	18 48 15.9 +0.2
MPRI	comp=E,143µm,0.3s				
MPRI	comp=E,178µm,0.3s				
MPRI	comp=N,239µm,0.5s				
MPRI	comp=N,194µm,0.5s				
MPRI	comp=E,143µm,1.7s				
MPRI	comp=E,143µm,1.7s				
ROVR	Rover Verones	1.52 188	P	Pn	18 48 17.0 +0.8
ROVR	comp=E,444µm,1.2s				
ROVR	comp=E,444µm,1.2s				
ROVR	comp=N,468µm,0.2s				
ROVR	comp=N,194µm,0.2s				
ROVR	comp=E,444µm,0.8s				
ROVR	comp=E,85µm,0.4s				
PTCC	Patocco-Chiusa	1.55 118	P	Pb	18 48 17.9 +0.3
PTCC	comp=N,94µm,0.5s				
PTCC	comp=E,58µm,0.7s				
PTCC	comp=N,94µm,1.5s				
TUE	Stuetta	1.56 245	P	Pb	18 48 18.4 +0.4
TUE	comp=N,62µm,0.9s				
TUE	comp=E,60µm,0.6s				
TUE	comp=E,77µm,0.6s				
TUE	comp=N,69µm,0.9s				
ACOM	Acomizza, Ital	1.58 112	P	Pb	18 48 18.9 +0.5
ACOM	comp=E,211µm,0.9s				
ACOM	comp=N,238µm,0.3s				
ACOM	comp=N,241µm,1.2s				
ACOM	comp=N,241µm,0.8s				
ACOM	comp=E,200µm,0.4s				
BIOA	Bad Ischl, Aus	1.62 70	ePg	Pg	18 48 20.2 -0.1
BIOA	comp=E,6.8nm,0.3s				
BIOA	comp=E,14nm,0.3s				
MYKA	Terra Mystica	1.63 108	ePn	Pb	18 48 19.0 -0.2
MYKA	comp=E,10.0nm,0.3s				
MYKA	comp=E,16nm,0.3s				
NORI	Noerdlinger Ri	1.65 342	ePn	Pn	18 48 17.9 0.0
NORI			eSg	Sn	18 48 39.2 +0.3
SALO	Sair	1.65 202	P	Pb	18 48 20.0 +0.6
SALO	comp=E,140µm,0.8s				
SALO	comp=N,155µm,1.2s				
SALO	comp=N,160µm,1.2s				
SALO	comp=E,139µm,0.8s				
SALO	comp=N,154µm,1.2s				
SALO	comp=E,140µm,0.8s				
SALO	comp=E,139µm,1.2s				
SALO	comp=N,160µm,0.8s				
SALO	comp=N,154µm,0.8s				
SALO	comp=E,140µm,1.2s				
WALHA	Wallhausen, De	1.65 292	ePg	Pb	18 48 20.3 +0.9
WALHA	Monti di Nese	1.80 221	P	Pb	18 48 21.1 +0.9
MDI			P	Pb	18 48 43.4 +0.4
MDI	comp=N,82µm,1.0s				
MDI	comp=N,82µm,1.0s				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BGF, Hymbigny, Ste Croix, etc.

VIE 03 19:14:21.2, 2.0, 6.45, 52N, 15, 26E, h10km, 10km, mb1.3/1, m1.6/2, Error ellipse: s-maj=3.0km s-min=1.6km az=152.0 23 km W of Karlovac

LJU 03 19:14:21.4, 45.74N, 15, 28E, h5km, ML1.1 RHSSO 03 19:14:21.4, 45.50N, 15, 29E, h3km, ML1.6, 3C-1D, Northwestern Balkan Peninsula

Main table for the first section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BOJS, OZLJ, GBRs, CRES, etc.

TEH 03 19:19:52.8, 30, 73N, 57, 40E, h7km, 30km, ML3.8 DSN 03 19:19:59.8, 1.4, 29, 92N, 58, 78E, h5km, ML3.1/5, Error ellipse: s-maj=52.8km s-min=11.5km az=121.0

IDC 03 19:19:59.5, 3.0, 30, 62N, 57, 42E, h54km, 31km, mb3.4/8, mbmp3.7/12, ML3.5/4, MS3.1/1, Error ellipse: s-maj=24.2km s-min=19.9km az=125.0

ISC 03 19:19:55.1, 0.6, 30, 69N, 0, 04, 57, 40E, 0, 04, h15km, n60, s136/63, mb3.7/8, Northern and central Iran

Main table for the second section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZRDN, CHMN, KHGB, etc.

Table with columns: GEYT, WSAR, WBK, AAK, AKTO, BRTR, BVAR, MKAR, KURBB, ZALV, FINES, TORD, WRA. Includes station names and coordinates.

IDC 03 19:46:21.3, 2.1, 6, 63S, 129, 17E, h0km, mb3.9/1, mbmp3.8/3, ML3.8/2, Error ellipse: s-maj=119.0km s-min=31.2km az=68.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MTN, KDU, KNRA, WRA, ASAR, MKAR.

SOME 03 19:52:45.5, 39, 28N, 77, 02E, h0km KRNET 03 19:52:55.1, 0.1, 39, 64N, 77, 19E, mb3.4 NIPC 03 19:52:57.8, 2.1, 39, 78N, 77, 09E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=15.6km s-min=12.5km az=160.0

ISC 03 19:52:57.1, 1.7, 39, 66N, 0, 08, 77, 18E, 0, 05, h10km, n57, s162/75, 26C-27D, Southern Xinjiang

Main table for the third section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NRN, ULHL, ULHL, SFK, PRZ, BOOM, ARLS, ANVS, TNSS, BK, BK, KBK, TKMK, OHH, KST, MDOK, KST, MDOK, SATY, KND, KND, KOTS, KOTS, KOTS, KASK.

Main table for the fourth section with columns: AAK, ARSB, AML, AML, AML, FRU1, FRU1, UZB, UZB, UZB, CHMS, CHMS, CHMS, SHLS, SHLS, SHLS, EKS2, EKS2, KPKS, KPKS, KPKS, PDGK, PDGK, PDGK, KRBS, KRBS, KRBS, SGDS, KUU, KUU, KUU, MRKS, MRKS, MRKS, MNAS, MNAS, BTK, BTK, KK31, KK31, OTUK. Includes station names and coordinates.

IDC 03 20:05:19.3, 10.0, 30, 37S, 177, 90W, h21km, 32km, mb3.1/2, mbmp3.6/2, Error ellipse: s-maj=330.5km s-min=41.5km az=154.0, Kermadec Islands

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

IDC 03 20:06:42.8, 1.7, 43, 78N, 105, 51W, h0km, mbmp3.6/3, ML3.7/3, Error ellipse: s-maj=51.4km s-min=8.7km az=149.0

NEIC 03 20:06:43.6, 1.6, 43, 75N, 0, 03, 105, 32W, 0, 04, h0km, 2km, ML3.2/98, Error ellipse: s-maj=7.7km s-min=3.0km

ISC 03 20:06:42.9, 1.0, 43, 73N, 0, 06, 105, 34W, 0, 06, h0km, n62, s150/62, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RSSD, K22A, K22A, PHWY, PHWY, PHWY, RWWY, RWWY, N23A, N23A.

3d 21h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like LAO LASA Array, RLMT Red Lodge, BW06 Boulder Array, etc.

IDD 03 20:16:12.45.3.25.95N:141.14E, h0km, mb4.0/4, mbmp4.1/5, ML4.4/1, MS4.6/1, Error ellipse: s-maj=115.2km s-min=96.7km az=106.0

JMA 03 20:17:10.1.0.2.29 N:141.14E, h177km, MV3.7/17, W OFF OGASAWARA

ISC 03 20:17:10.7.0.9.28.47N:0.9:140.3E:0.2, h400km, n14, +092.16, mb3.6/4, Bonin Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like CBJJ Chichi jima, BSO1 Boso 1, etc.

KRSC 03 20:39:52.0.1.6.48.79N:156.59E, h7km, 25km, M13.8, East of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, PAU Puzhetka, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like RUS Gorelyy, UGLR Uglovaya, etc.

IDD 03 20:42:01.6.0.9.21.38S:169.53E, h0km, mb4.1/8, mbmp4.2/10, ML4.0/2, MS3.6/2, Error ellipse: s-maj=25.1km s-min=21.7km az=3.0

NOU 03 20:42:03.0.2.1.46S:169.50E, h0km, MLV4.5/14, Southeast of Loyalty Islands

NEIC 03 20:42:03.9.2.2.1.38S:0.7:169.49E:0.05, h10km, 2km, mb4.0/18, Error ellipse: s-maj=13.2km s-min=4.6km az=27.0

ISC 03 20:42:07.6.0.6.21.43S:0.06:169.43E:0.07, h39km, 4km, n74, +082.61, mb4.4/15, MS3.5/20, Southeast of Loyalty Islands

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

IDD 03 20:46:06.1.4.54.10N:169.15E, h0km, mb3.3/4, mbmp3.4/6, ML3.4/2, MS2.9/1, Error ellipse: s-maj=47.8km s-min=18.4km az=5.0

ISC 03 20:45:10.1.0.9.54.11N:0.2:169.18E:0.07, h25km, n13, +063.8, mb3.4/4, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like MTN Manton Dam, PP22 Papeete2, etc.

NEIC 03 21:01:44.7.0.6.19.40N:0.02:155.23W:0.04, h5km, 2km, Error ellipse: s-maj=5.8km s-min=2.3km az=76.0

HVO 03 21:01:44.2.0.6.19.38N:0.02:155.23W:0.03, h3km, 2km, n13, s-maj=2.4km az=83.0, Hawaiian Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like SBA Scott Base, LEM Lembang, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like PALK Pallekele, TXAR Lajitas Array, etc.

NEIC 03 20:52:37.3.2.4.7.63S:0.07:127.98E:0.06, h146km, 1km, mb4.3/13, Error ellipse: s-maj=10.7km s-min=8.4km az=168.0

IDD 03 20:52:42.4.6.7.8.26S:127.96E, h132km, 59km, mb3.7/1, mbmp4.3/4, Error ellipse: s-maj=69.6km s-min=29.2km az=24.0

ISC 03 20:52:36.5.0.7.7.66S:0.06:127.96E:0.05, h150km, n31, +191.93, Banda Sea

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

IDD 03 20:54:06.5.1.4.54.10N:169.15E, h0km, mb3.3/4, mbmp3.4/6, ML3.4/2, MS2.9/1, Error ellipse: s-maj=47.8km s-min=18.4km az=5.0

ISC 03 20:45:10.1.0.9.54.11N:0.2:169.18E:0.07, h25km, n13, +063.8, mb3.4/4, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like SHEM Shemya Is, Ala, SHEM Shemya Is, Ala, etc.

NEIC 03 21:01:44.7.0.6.19.40N:0.02:155.23W:0.04, h5km, 2km, Error ellipse: s-maj=5.8km s-min=2.3km az=76.0

HVO 03 21:01:44.2.0.6.19.38N:0.02:155.23W:0.03, h3km, 2km, n13, s-maj=2.4km az=83.0, Hawaiian Islands

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

NEIC 03 21:01:44.7.0.6.19.40N:0.02:155.23W:0.04, h5km, 2km, Error ellipse: s-maj=5.8km s-min=2.3km az=76.0

HVO 03 21:01:44.2.0.6.19.38N:0.02:155.23W:0.03, h3km, 2km, n13, s-maj=2.4km az=83.0, Hawaiian Islands

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SBLHI, Sand Hill, Uwekahuna, Rainshed, Steam Cracks, Hilina Pali, etc.

NEIC 03 21:04:45.3±1.4, 17.7S; 0.1°x179.8E±0.2, h566km, 7km, mb4.6/13, Error ellipse: s-maj=25.7km s-min=12.9km az=125.0
IDC 03 21:04:47.6±1.4, 17.55S; 179.57E, h596km, 14km, mb3.3/9, mbtmp4.3/10, Error ellipse: s-maj=22.1km s-min=17.4km az=117.0

ISC 03 21:04:47.6±0.6, 17.6S; 0.1°x179.6E±0.1, h602km, n55, c079.5W, mb4.3/16, 1D, Fiji Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MSVF, MARNC, LIFENC, PINNC, OUCENC, DZM, DZM, ONTNC, KOUNC, BKZ, BFZ, LHI, QRZ, STKA, WRA, AS31, ASAR, ASAR, Vnda, MJAR, QSPA, QSPA, BCGM, LCMT, BARN, ILAR, RDMU, SONM, MKAR, EKA, BRTR, MMAI, CLL, CLL.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like GERES, CONA, SOKA, LESA, DIVS, KBA, WATA, WYTA, MYKA, SQT, DAVA, FUOR, FNA.

VIE 03 21:53:47.2±0.3, 47.16N; 11.37E, h7km, 4km, m10.4/5, Error ellipse: s-maj=2.4km s-min=0.9km az=165.0 2 km E of Fulpmes, Austria

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SQT, WTTA, WTTA, WATA, WATA, MOTA, MOTA, FETA.

VIE 03 21:53:51.1±0.3, 47.15N; 11.36E, h4km, 7km, mb0.4/2, m10.5/5, Error ellipse: s-maj=2.8km s-min=0.9km az=168.0 2 km E of Fulpmes, Austria

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SQT, SQT, WTTA, WTTA, WATA, WATA, MOTA, MOTA, FETA, FETA.

NEIC 03 22:07:51.9±2.0, 52.74N; 0.04°x166.65W±0.05, h10km, 1km, mb3.6/11, ML3.2/8, ML3.1 (A1EC), Error ellipse: s-maj=7.5km s-min=5.2km az=172.0

AEIC 03 22:07:50.5±2.7, 52.62N; 0.07°x166.57W±0.07, h12km, 5km, Error ellipse: s-maj=10.3km s-min=5.4km az=156.0, Fox Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like OKFG, MGAD, MAPS, OKSP, OKER, UNV, OKCE, OKCE, OKNC, MNAT, MSW, MTBL, NIKH, NIKH, ZRO, AKBB, AKUT, AKUT, CLES, SDPT, SDPT, ATKA, ATKA, GSTR, ADK, KIWB, O14K, TABL, TABL, CTGM, CTGM, LOGN, LOGN, J2SK, K29M, N31M, N31M, FARO, FARO, WRAP, EPYK, EPYK, MIMPY, MIMPY, PETK, MTO3.

IDC 03 22:10:38.9±1.3, 12.64N; 57.91E, h0km, mb3.9/10, mbtmp3.9/11, ML4.0/1, MS3.0/16, Error ellipse: s-maj=37.6km s-min=23.0km az=60.0
OMAN 03 22:10:54.1±1.2, 13.62N; 57.84E, h10km, 57km, mb4.8/12, ms2.8/6, Error ellipse: s-maj=28.0km s-min=12.7km az=339.0
ISC 03 22:10:42.5±1.3, 12.9N; 57.25E; 1.0, h16km, n43,

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SHAO, DMTO, ABTO, WHFO, DOK, HHTO, MHTO, JLN, JLN, JLN, JMD, WBK, WBK, BSY, BSY, SMDO, SMDO, ARQ, BIDO, MZR, SOHO, SOHO, ALNE, ASHO, ASUD, HATD, HATD, GEYT, EIL, EIL, MMAI, MMAI, GNI, GNI, MBAR, MBAR, AAK, AAK, KBZ, KBZ, MKAR, MKAR, CMAR, CMAR, LSZ, LSZ, KURBE, KURBE, ARU, ARU, ZALV, ZALV, ZALV, ZALV, TSUM, TSUM, BOS, BOS, DAVOX, DAVOX, SONM, SONM, FINES, FINES, SUR, SUR, ARCES, ARCES, ESCD, ESCD, WRA, WRA, ASAR, ASAR, DAV, DAV, DAV, ASAR, MKAR, MKAR, ILAR, ILAR, AIN, AIN, AIN, HTP, HTP, SDHI, SDHI, WRMH, WRMH, MLH, MLH, MLH, MLH, MLH, MLH, UWE, UWE.

NEIC 03 22:33.7±0.6, 19.37N; 0.01°x155.445W±0.008, h10km, 1km, Error ellipse: s-maj=2.8km s-min=2.3km az=194.0

HVO 03 22:53:33.5±0.5, 19.36N; 0.01°x155.434W±0.009, h10km, 3km, ML2.6/28, ML2.6/48 (NEIC), Error ellipse: s-maj=1.8km s-min=1.1km az=181.0, Hawaiian Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like R11B, SAO, GSC, BCH, PCW, BRN, PRR, SHPR, BJMM, SPR3, SPR3, PSUT, CCUT, LCMT.

IDC 03 23:34:43.1±0.5, 23°51'N, 121°68'E, h0km, mb4.4/24, mbtmp4.4/27, ML3.8/3, MS4.2/64, Error ellipse: s-maj=16.1km s-min=12.6km az=63.0

GCMT 03 23:34:47.8±0.2, 23°45'N, 01°12'49"E, h29km, 3km, MW5.0/93, Moment Tensor Solution. s3, c81; s93, c142; Duration: 0 Moment tensor: Scale 10^19Nm; Mr3.6±.14; Mw-0.92±.09; Mww-2.73±.09; Mw-0.61±.13; Mw-1.91±.06; Mw-0.53±.14; Best double couple: M0, 3.887000; 1016

JMA 03 23:34:47.2±0.2, 23°52'N, 01°12'22"E, h29km, 3km, MD4.7/18, MV4.7/18, TAIWAN REGION

NIED 03 23:34:47.9±0.0, 23°52'N, 121°50'E, h9km, mb4.4/63, mb5.0/38, ML4.9/11, Ms4.8/70, Ms7.4/8/65

MOS 03 23:34:47.6±1.0, 23°46'N, 121°66'E, h46km, mb5.0/68, MS4.5/12 Error ellipse: s-maj=8.5km s-min=4.5km az=128.3

ASIES 03 23:34:48.2, 23°55'N, 121°56'E, h30km, ML5.3, Mw5.0, Moment Tensor Solution. Moment tensor: Scale 10^23Nm; Mr3.02; Mw-1.16; Mww-2.46; Mw-0.35; Mw-1.57; Mw-1.17; Fault plane solution: Ms3.77031x10^23, NP1: 102, 020000, 352, 68000; 1, 73, 85000; NP2: 228, 15000; 540, 19000; 1, 110, 04000; Principal axes: T Plg75.6620; Azm238.0690; N Plg12.7760; Azm30.5800; P Plg6.4010; Azm122.0370;

TAP 03 23:34:48.2, 23°55'N, 121°56'E, h30km, ML5.3, B ISC 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like HGSD, TEGC, EGFH, ECBN, EHY, EHY, WARBT, YULB, EYUL, TWF1, TWF1, ESL, ESL, FULB, ETM, ETM, HWA, HWA, CHKT, CHKT, VVDT, VVDT, EHD, LXIB, ECS, TWD, TWD, OWD, OWD, EDH, EDH, ELDTW.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ETL, WUSB, WUSB, SSSL, SSSL, SSSL, SSSL, NACB, NACB, NACB, NACB, CHGB, CHGB, WHF, WHF, ETLL, WHYT, WHYT, ALS, ALS, SMLT, SMLT, LONT, WPL, WPL, TYC, TYC, FUSS, FUSS, DPDB, DPDB, EHP, WCS, WCS, TWT, TWT, STYH, STYH, TDCB, TDCB, CHNS, CHNS, TWGBT, TWGBT, STYT, STYT, WJS, WJS, TWG, TWG, TTN, EOSA, WNT, WNT, WCKO, WCKO, TPUB, TPUB, TPUB, TPUB, ENA, WNT1, WNT1, NNSB, NNSB, NNSH, CHN4, CHN4, ENUT, ENUT, NNS, NNS, WTP, WTP, WHP, WHP, WGK, WGK, WDLH, WDLH, LATG, EOSA, SLGT, SLGT, SLGT, CHN2, CHN2, WYL, WYL, WYL.

WUSB 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

WUSB 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

WUSB 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

WUSB 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

WUSB 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

WUSB 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

WUSB 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

WUSB 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

WUSB 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

WUSB 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

WUSB 03 23:34:47.7±0.4, 23°52'N, 01°12'59"E, h27km, 2km, h27km; p-P, n676, c1975751, mb4.8/168, MS4.4/77, 41C-92D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like CHN1, CHN1, TCU, TCU, TWK, TWK, TWK, TWK, SNST, SNST, SNST, SNST, CHY, CHY, CHY, CHY, EOSA, EOSA, NDT, NDT, ECL, ECL, TWC, TWC, TWQ1, TWQ1, TWQ1, TWQ1, ENT, ENT, NDS, NDS, WTK, WTK, WTK, WTK, YHNB, YHNB, YHNB, YHNB, YHNB, YHNB, NSK, NSK, NSK, NSK, NSY, NSY, NSY, NSY, SSD, SSD, SSD, SSD, RLNB, RLNB, SCST, SCST, SCST, SCST, TSMG, TSMG, WDJ, WDJ, WDJ, WDJ, TWE, TWE, CHN3, CHN3, CHN3, CHN3, ICHU, ICHU, ICHU, ICHU, NSTT, NSTT, NSTT, NSTT, FUSB, FUSB, LIOB, LIOB, LIOB, LIOB, SHHT, SHHT, NMLH, NMLH, NMLH, NMLH, WTCT, WTCT, WTCT, WTCT, ILA, ILA, WSL, WSL, WSL, WSL, NWLT, NWLT, SSHA, SSHA, SSHA, SSHA, WSF, WSF, WSF, WSF, MASBT, MASBT, MASBT, MASBT, CHN8, CHN8, CHN8, CHN8, TWMT, TWMT, TWMT, TWMT, WMLT, WMLT, WMLT, WMLT, SGLT, SGLT, SGLT, SGLT, NJD, NJD, TSPT, TSPT, TSPT, TSPT, EAST, EAST, TAW, TAW, SCLT, SCLT, SCLT, SCLT, NJN, NJN, TAI1, TAI1, TAI1, TAI1, TAWH, TAWH, EGS, EGS, HSN1, HSN1, HSN1, HSN1.

3d 23h

Table with columns for station code, name, frequency, and other details. Includes stations like SBCB Hsinchu, TAI Tainan, HSN Hsinchu, etc.

2017 NOV

Table with columns for ZPLA, station name, frequency, and other details. Includes stations like Ao Xicun, Jialang, Ikemajima, etc.

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Table with columns for station code, name, frequency, and other details. Includes stations like KKM Kota Kinabalu, PZH PanZhiHu, etc.

LWU	Luwuk	24.44 177	P	P	23 40 03.4 -0.9
LWU	Luwuk	24.44 177	P	P	23 40 09.0 +4.7
KSM	Kuching	24.50 208	P	P	23 40 04.3 -0.5
LEMI	Labuha	24.69 166	P	P	23 40 16.9 +1.0
BKB	Balikpapan	25.05 187	P	P	23 40 07.4 -2.4
MTKI	Muara Teweih, K	25.17 196	P	P	23 40 13.7 +2.8
STKI	Sintang	25.30 204	P	P	23 40 14.9 +2.8
GOMU	GeErMu	26.34 305	P	P	23 40 28.9 +7.1
GOMU			pP	sP	23 40 32.2 -0.8
GOMU			pP	sP	23 40 35.3 +5.4
GOMU	comp=Z,17nm,1.2s			pmax	
GOMU	comp=Z,140nm,4.5s			pmax	
GOMU	comp=Z,730nm,15.3s		LR	LR	
GOMU	comp=Z,2um,15.4s		LR	LR	
GOMU	comp=Z,2um,15.1s		LR	LR	
TTSI	Tana Toraja	26.46 184	P	P	23 40 36.8 +1.4
ASAJ	Asahikawa	26.82 35	LR	LR	23 52 28.8
ASAJ	Ulanbatar	26.91 338	i/P	P	23 40 27.2 +1.1
KLR	Kul'dur	26.88 15	P	P	23 40 27.2 +1.1
KLR				pmax	
KLR	Kul'dur	26.88 15	LR	LR	23 52 02.3
ULN	Ulanbatar	26.91 338	P	P	23 40 15.6 -1.1
ULN	Ulanbatar	26.91 338	i/P	pmax	23 40 23.1 -3.5
HEH	HeiHe	27.07 8	eP	P	23 40 37.0 +9.2
HEH			pmax	pmax	
HEH	comp=Z,270nm,4.6s			pmax	
HEH	comp=Z,1um,14.1s		LR	LR	
HEH	comp=Z,320nm,13.3s		LR	LR	
HEH	comp=Z,2um,14.1s		LR	LR	
SHL	Shillong	27.07 280	P	P	23 40 28.8 +0.4
SHL	Shillong	27.07 280	P	P	23 40 28.8 +0.4
SHL				pmax	
SOMM	Songino Array	27.12 337	P	P	23 40 27.8 -0.7
SOMM	Songino Array	27.12 337	P	P	23 40 27.8 -0.7
SOMM	comp=Z,12nm,1.1s			pmax	
SOMM	Songino Array	27.12 337	P	P	23 40 28.6 +0.2
SOMM	comp=Z,1.8nm,0.6s,baz=153,slow=11,SNR=7.7		P	P	23 43 48.4 -0.4
SOMM	comp=Z,0.4nm,0.6s,baz=153,slow=4.2,SNR=1.9		LR	LR	23 52 28.2
SOMM	comp=Z,2um,18.4s,baz=150,slow=99				
SOMM	comp=Z,1.8nm,0.6s				
NLAI	Namlea	27.14 168	P	P	23 40 32.6 +3.9
BKBI	Banjar Baru	27.62 195	P	P	23 40 35.0 +2.0
LSA	Lhasa	27.85 289	P	P	23 40 37.9 +2.3
FAKI	Fak Fak	28.26 157	P	P	23 40 37.7 -1.1
KAPI	Kappang	28.42 184	I/Amb	I/Amb	23 40 38.7 -1.5
KAPI	Kappang	28.42 184	P	P	23 40 38.7 -1.5
KAPI	Kappang	28.42 184	P	P	23 40 38.7 -1.5
KAPI	Kappang	28.42 184	LR	LR	23 52 34.4
KAPI	Kappang	28.42 184	LR	LR	23 52 34.4
YSS	Yuzh-Sakhalins	28.90 31	eS	S	23 40 46.0 +1.8
YSS			eS	S	23 45 33.2 +0.4
GRNR	Gornyy	29.54 19	eP	MLR	23 40 42.6 -7.3
GRNR			MLR	MLR	
GRNR	comp=E,570nm,12.0s			MLR	
GRNR	comp=N,420nm,14.0s			MLR	
PSI	Prapat	30.09 230	P	P	23 40 54.5 -0.7
RPSI	Rantau Prapat	30.16 230	P	P	23 40 54.5 -1.1
RPSI			I/Amb	I/Amb	23 41 10.6
ZEA	Zeya	30.48 7	eP	pmax	23 41 05.1 +7.1
ZEA			MLR	MLR	
ZEA	comp=N,800nm,18.0s			MLR	
TAPN	Taplejung	30.78 284	eP	P	23 41 02.8 +1.4
RAMN	Ramite	31.77 284	eP	P	23 41 11.8 +1.7
TYV	Tymovskoe	31.81 26	eP	P	23 41 17.3 +7.5
TYV			pmax	pmax	
TYV	comp=Z,11nm,1.3s			pmax	
TYV	comp=Z,1um,2.9s			pmax	
MMRI	Maumere	31.97 179	P	P	23 41 09.4 -2.2
EDFI	Ende, Flores	32.07 180	P	P	23 41 11.1 -1.5
JIRN	Jiri	32.12 285	eP	P	23 41 15.1 +1.8
TWSI	Taliwang, Sumb	32.39 189	P	P	23 41 22.7 +7.5
GUN	Gumba	32.40 285	eP	P	23 41 16.7 +1.0
PKI	Pulchoki	32.82 285	eP	P	23 41 20.7 +1.3
PKIN	Phulchoki	32.83 285	eP	P	23 41 20.6 +1.2
KPJ	Karang Pucung	32.87 203	P	P	23 41 23.0 +1.8
SOEI	Soe	33.18 175	P	I/Amb	23 41 20.7 -1.6
KASI	Kota Agung	33.34 212	P	P	23 41 26.1 +2.5
GKN	Gorkha	33.49 286	eP	P	23 41 26.0 +0.9
BATI	Baumata	33.58 176	LR	LR	23 47 36.6
DANN	Dangsing	34.26 286	eP	P	23 41 32.7 +0.8
WMQ	Urumqi	34.38 314	eP	sP	23 41 34.0 +1.5
WMQ			sP	pmax	23 41 48.0 +4.2
WMQ	comp=Z,7.0nm,0.7s			LR	
WMQ	comp=Z,1um,12.9s			LR	
WMQ	comp=Z,2um,11.7s			LR	
WMQ	comp=Z,700nm,14.9s			LR	
PYUN	Piuthan	34.95 286	eP	P	23 41 38.5 +0.7
MTN	Manton Dam	37.33 165	P	I/Amb	23 41 55.4 -2.5
MTN			I/Amb	I/Amb	23 41 57.0
DGZ	Jazzart, Alta	37.34 323	i/P	P	23 41 57.1 -0.8
DGZ				pmax	
ZSN	Zaisan	37.74 318	eP	P	23 42 01.9 +0.8
ZSN	Zaisan	37.74 318	eP	P	23 42 01.9 +0.8
YAK	Yakutsk	38.88 6	eP	sP	23 42 23.0 +1.5
YAK			e	S	23 43 46.3
YAK			e	S	23 44 24.4
YAK			e	S	23 48 10.0 +3.3
YAK				pmax	23 48 27.0 +7.5
YAK	comp=Z,10.0nm,1.1s			pmax	
YAK	comp=E,4.0nm,1.1s			pmax	
YAK	comp=N,5.0nm,1.1s			pmax	
YAK	comp=Z,100nm,3.3s			pmax	

YAK	comp=N,147nm,3.0s			smax	smax
YAK	comp=Z,877nm,18.0s			MLR	MLR
YAK	comp=N,510nm,19.0s			MLR	MLR
MK31	Makanchi Array	39.07 316	P	P	23 42 12.9 +0.6
MK31	Makanchi Array	39.07 316	P	P	23 42 12.9 +0.6
MK31			pmax	pmax	
MKAR	Makanchi Array	39.07 316	P	P	23 42 12.7 +0.4
MKAR	Makanchi Array	39.07 316	P	P	23 42 13.3 +1.0
MKAR	comp=Z,8.1nm,0.6s,baz=106,slow=10,SNR=123		LR	LR	23 59 39.3
MAKZ	Makanchi	39.27 316	P	I/Amb	23 42 14.7 +0.6
MAKZ			I/Amb	I/Amb	23 42 20.2
MAKZ	comp=Z,29nm,1.2s			P	23 42 14.7 +0.6
MAKZ	comp=Z,29nm,1.3s			P	23 42 15.0 +0.9
MAKZ	Makanchi	39.27 316	P	pP	23 42 16.4 -2.0
SHLS	Shalkode	39.77 310	eP	P	23 42 16.4 -2.0
SHLS	Shalkode	39.77 310	eP	P	23 42 16.4 -2.0
PDGK	Podgornoye	39.80 310	i/P	P	23 42 18.9 +0.3
PDGK				pmax	
UZB	Uzynbulak	40.08 310	eP	P	23 42 21.2 +0.2
UZB	Uzynbulak	40.08 310	eP	P	23 42 21.1 +0.2
UZB	Petrovavulsk-	40.21 33	LR	LR	23 59 24.0
UZB	comp=Z,320nm,18.8s			P	23 42 24.2 +0.7
KPKS	Kokpek	40.40 310	eP	P	23 42 24.1 +0.6
KPKS	Saty	40.49 309	eP	P	23 42 24.8 +0.4
KPKS	Saty	40.49 309	eP	P	23 42 24.8 +0.4
SATY	Saty	40.49 309	eP	P	23 42 24.7 +0.4
ZHN	Zhinshke	40.50 310	eP	P	23 42 24.8 +0.4
ZHN	Zhinshke	40.50 310	eP	P	23 42 24.8 +0.4
PET	Petrovavulsk	40.65 34	P	I/Amb	23 42 23.2 -1.9
PET			I/Amb	I/Amb	23 42 26.4
ZAAO	Zalesovo Array	41.00 327	P	P	23 42 27.2 -0.9
ZALV	Zalesovo Beam	41.00 327	P	P	23 42 27.9 -0.3
ZALV	comp=Z,6.1nm,0.5s,baz=118,slow=8.3,SNR=20				
TDK	Taldyqorghon	41.02 312	eP	P	23 42 29.4 +0.8
TDK	Taldyqorghon	41.02 312	eP	P	23 42 29.3 +0.8
MA2	Magadan	41.45 22	P	P	23 42 29.6 -2.3
MA2	Magadan	41.45 22	P	P	23 42 29.6 -2.3
MA2				pmax	
MA2	Magadan	41.45 22	LR	LR	00 01 26.4
MA2	Magadan	41.45 22	LR	LR	00 01 26.4
MDOK	Medeo	41.48 309	eP	P	23 42 33.2 +0.6
MDOK	Medeo	41.48 309	eP	P	23 42 33.1 +0.6
MDOK	Tian-Shan	41.52 309	eP	P	23 42 34.0 +0.9
TNSS	Tian-Shan	41.52 309	eP	P	23 42 34.0 +0.9
TNSS				pmax	
TNSS	Tian-Shan	41.52 309	eP	P	23 42 34.0 +0.9
KSH	Kashi	41.57 304	pP	sP	23 42 45.8 +1.1
KSH				pmax	
KSH	comp=Z,7.0nm,1.0s			LR	LR
KSH	comp=Z,1um,15.1s			LR	LR
KSH	comp=Z,1um,17.2s			LR	LR
KSH	comp=Z,2um,17.8s			LR	LR
NRN	Naryn	41.87 306	P	P	23 42 34.7 -1.3
NRN	Naryn	41.87 306	P	P	23 42 34.7 -1.3
NRN				pmax	
BOOM	Boomsyoke usch	42.13 308	P	P	23 42 34.5 -3.3
BOOM	Boomsyoke usch	42.13 308	P	P	23 42 34.5 -3.3
BOOM				pmax	
KUU	Kuryt	42.15 310	eP	P	23 42 38.3 +0.5
KUU	Kuryt	42.15 310	eP	P	23 42 38.3 +0.5
KUU				pmax	
H11N1	WAKE ISLAND Hy	42.16 86	T	T	00 02 42.8
H11N2	WAKE ISLAND Hy	42.16 86	T	T	00 02 41.1
H11N3	WAKE ISLAND Hy	42.17 86	T	T	00 02 42.3
H11S3	WAKE ISLAND Hy	42.27 88	T	T	00 02 51.8
H11S1	WAKE ISLAND Hy	42.28 88	T	T	00 02 51.4
H11S2	WAKE ISLAND Hy	42.29 88	T	T	00 02 53.0
PALK	Pallekele	42.41 254	LR	LR	00 01 59.0
TKM2	Tokmak 2	42.46 309	i/P	P	23 42 41.5 +0.9
TKM2				pmax	
COEN	Coen	42.82 148	P	P	23 42 45.1 +1.7
COEN				I/Amb	23 43 02.4
KURK	Kurchatov	42.84 320	P	P	23 42 42.7 -0.6
KURK	Kurchatov	42.84 320	eP	P	23 42 43.8 +0.6
KURK				pmax	
KURK	Kurchatov	42.84 320	P	P	23 42 43.6 +0.3
KURK				pP	23 42 47.1 -4.3
KURB	Kurchatov Arra	42.85 320	P	P	23 42 43.5 +0.1
KURB				LR	00 02 40.5
KURB	comp=Z,360nm,18.2s,baz=180,slow=39				
KURB	comp=Z,3.5nm,0.5s				
ARLS	Aral	43.19 307	P	P	23 42 48.6 +2.1
ARLS				pmax	
AAK	Ala-Archa	43.20 308	eP	P	23 42 47.7 +1.1
AAK				pmax	
AAK	Ala-Archa	43.20 308	LR	LR	00 01 54.7
AAK	comp=Z,490nm,18.5s,baz=94,slow=38				
SGDS	Sogindy	43.26 309	eP	P	23 42 47.2 +0.3
SGDS	Sogindy	43.26 309	eP	P	23 42 47.2 +0.3
AML	Almayashu	43.27 307	i/P	P	23 42 51.9 +1.1
AML				pmax	
BTLS	Baital	44.02 311	eP	P	23 42 53.5 +0.6
BTLS	Baital	44.02 311	eP	P	23 42 53.5 +0.6
BTLS	Seymchan	44.47 20	LR	LR	00 04 26.4
WB0	Warramunga Arr	44.80 163	P	P	23 42 58.5 -0.8
WB0				I/Amb	23 43 16.1
PSA0	Pilbara Seismi	44.85 182	I/Amb	I/Amb	23 42 59.8
WRAB	Tennant Creek	44.95 163	P	P	23 42 59.7 -0.8
WRAB				pP	23 43 03.8 -4.6
WRA	Warramunga Arr	44.95 163	P	P	23 42 59.7 -0.9
WRA	comp=Z,8.4nm,0.5s,baz=344,slow=4.5,SNR=2.6			P	23 44 40.2 -1.5
WB2	Warramunga Arr	44.96 163	P	I/Amb	23 43 01.0
WB2				I/Amb	23 43 01.0
WR0	Warramunga Arr	45.03 163	I/Amb	I/Amb	23 43 01.5
BTk	Batken	45.58 304	P	I/Amb	23 43 03.9 -1.6
BTk				pmax	
BTk	Batken	45.58 304	P	pmax	23 43 03.9 -1.6
OTUK	Ortuy	45.92 315	i/P	pmax	23 43 08.2 +0.2
OTUK				pmax	
OTUK	comp=Z,27nm,1.2s				
KK31	Karatay Array	46.17 308	P	P	23 43 10.2 +0.9

KK31	Karatay Array	46.17 308	P	P	23 43 10.2 +0.2
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Table with columns for station name, frequency, mode, and signal strength. Includes stations like VRH Novokhoporsky, TTA Talalina, KLMR Klimovskoe, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like IDID Inuvik, INK Inuvik, NACGM Naroch, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like MORC Santorini, SANT Santorini, JAVC Velka Javorina, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ULM, TAOE, SDV, PTBC, PAMC, GUYC, SPBC, RUSC, YOTC, ORTC, POPAY, MCRA.

NEIC 04 00:16:34.9, 2.49N, 75.82W, h170km, Moment Tensor Solution. Duration: 198 Moment tensor: Scale 10^16Nm; Mn=4.56; Mm=1.85; Mw=2.71; Ms=2.96; Ml=1.80; Mr=1.80;

Fault plane solution: Ms5.970000 x 10^16 NP1: 95.660000, 865.010000; N-78.950000; NP2: 208.380000, 829.000000; N-110.620000; Principal axes: T 164.43; P1 7.000000; Azm134.000000; N-0.3847; P1g10.000000; Azm227.000000; P-5.7796; P1g70.000000; Azm345.000000;

NEIC 04 00:16:34.9, 2.49N, 76.02W, h170km NEIC 04 00:16:35.3, 2.48N, 0.05, 76.03W, 0.06, h157km, 4km, mb5.3/921, Mw=5.1/35, Error ellipse: s-maj=9.2km s-min=7.1km az=121.0

MOS 04 00:16:35.0, 1.1, 2.55N, 76.07W, h170km, mb5.2/63, Error ellipse: s-maj=7.5km s-min=4.6km az=94.5 IDC 04 00:16:35.5, 0.5, 2.48N, 75.97W, h167km, 4km, mb4.8/35, mbtmp5.2/40, MS3, 7/16, Error ellipse: s-maj=8.5km s-min=6.4km az=74.0

RSNC 04 00:16:36.2, 1.7, 2.53N, 76.12W, h170km, 4km, ML4.6, Mw5.2, Fault plane solution: NP1: 97.000000, 869.000000; N-62.000000;

GCMT 04 00:16:39.3, 0.2, 2.48N, 0.01, 76.07W, 0.01, h169km, 1km, Mw5.1/130, Moment Tensor Solution. s84, c116; s130, c202; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=5.26; Mm=1.1; Mw=2.14; Ms=1.2; Ml=1.5; Mr=3.4; 1.10; Mw=2.33; 1.2; Best double couple; M=6.55300 x 10^16 NP1: 49.000000, 865.000000; N-82.000000; NP2: 211.000000, 827.000000; N-106.000000; Principal axes: T 63.20; P1g19.000000; Azm133.000000; N-0.4810; P1g7.000000; Azm225.000000; P-6.7930; P1g69.000000; Azm335.000000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 04 00:16:35.1, 0.3, 2.50N, 0.02, 76.12W, 0.03, h165km, 2km, h165km, p-P, n2049, r132/2252, mb5.3/584, 38C-39D, Colombia

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like POPC, BETC, GARC, JAMC, FLOC, BBAC, CRUC, YOTC, ORTC, PRAC, GCUF, MALC, ARMEC, ANIL, CMBC, MACC, PLMC.

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PLMC, TULM, BONI, RECR, CMAN, NIZA, PTL, TUMC, PIZC, GUYC, VILC, ROSC, IMBA, CUSE, CHIC, OTAV, NORC, PULU, PACTO, GUV, SPBC, MEDEC, SOLC, PIAT, PTBC.

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PTBC, DBBC, RUSC, CHSH, BARC, ZARAGO, BARRAN, SAN JOS, UREC, APAC, TAME, COCHANC, LOS CR, SALI, CACAO, ARNL, PNME, UPANA, GMAL, SJCC, ARGC, BCIP, MCRA, SDV, SMRC, CDITO, CRUC.

4d 0h

TUPA	comp=Z,115nm,1.1s	37.50	1	P	P	00 23 34.3 +1.4
GO05	Temple Univ	37.52	174	P	P	00 23 33.2 0.0
SGCY	Huala Sterling City	37.55	324	I	I	00 23 35.9
SGCY	comp=Z,48nm,0.9s			P	P	00 25 49.9 +1.7
MGMO	Mountain Grove	37.55	339	I	I	00 23 33.0 -0.4
MGMO	comp=Z,88nm,1.0s			P	P	00 23 35.4
PABK	Blue Knob Stat	37.66	357	P	P	00 23 36.6 +2.4
FVM	French Village	37.67	341	P	P	00 23 34.5 +0.1
FVM	French Village	37.67	341	P	P	00 23 34.2 -0.1
FVM	French Village	37.67	341	P	P	00 23 34.5 +0.1
FVM	comp=Z,174nm,1.1s			P	P	00 23 34.8 +0.4
P49A	Miami Univ. Ec	37.68	349	I	I	00 23 35.8
P49A	comp=Z,114nm,1.1s			P	P	00 23 34.8 +0.4
P49A	Miami Univ. Ec	37.68	349	P	P	00 23 34.5 +0.1
P49A	Miami Univ. Ec	37.68	349	P	P	00 23 34.5 +0.1
OLIL	Olney	37.68	345	P	P	00 23 34.1 -0.3
OLIL	Olney	37.68	345	P	P	00 23 34.2 -0.3
O54A	Avella	37.70	355	P	P	00 23 35.3 +0.7
O54A	comp=Z,144nm,1.3s			I	I	00 23 37.5
O54A	Avella	37.70	355	P	P	00 23 36.2 +1.6
O54A	baz=173,SNR=18			P	P	00 23 36.2 +1.6
BLO	Bloomington	37.71	347	P	P	00 23 34.8 +0.1
BLO	Bloomington	37.71	347	P	P	00 23 34.8 +0.1
BLO	comp=Z,174nm,0.9s			P	P	00 23 34.8 +0.1
PANJ	Princeton	37.72	2	P	P	00 23 36.6 +1.8
P48A	Milroy	37.75	348	I	I	00 23 36.1
P48A	comp=Z,95nm,1.0s			P	P	00 23 35.0 +0.1
P48A	Milroy	37.75	348	P	P	00 23 35.0 +0.1
P48A	baz=165,SNR=26			P	P	00 23 35.0 +0.1
U38A	Gravette	37.75	336	P	P	00 23 34.7 -0.4
U38A	comp=Z,81nm,0.8s			I	I	00 23 35.9
U38A	Gravette	37.75	336	P	P	00 25 49.1 +0.5
U38A	baz=149,SNR=44			P	P	00 23 34.7 -0.4
RLO	Rose Lookout	37.78	335	P	P	00 23 34.7 -0.6
RLO	comp=Z,82nm,1.1s			I	I	00 23 36.5
RLO	Smith Ranch, M	37.79	330	P	P	00 25 49.6 +0.9
X34A	Smith Ranch, M	37.79	330	I	I	00 23 36.1 +0.6
X34A	comp=Z,88nm,0.9s			I	I	00 23 37.4
O52A	Adamsville	37.80	353	P	P	00 23 36.4 +1.0
O52A	Adamsville	37.80	353	P	P	00 23 36.8 +1.4
O52A	baz=170,SNR=43			P	P	00 23 36.8 +1.4
O53A	New Philadelphia	37.85	354	P	P	00 23 37.3 +1.4
O53A	New Philadelphia	37.85	354	P	P	00 23 37.6 +1.7
TUL3	Leonard	37.90	334	P	P	00 23 36.3 -0.1
TUL3	Leonard	37.90	334	P	P	00 25 50.1 +1.1
TUL3	Leonard	37.90	334	P	P	00 23 36.7 +0.3
TUL3	Leonard	37.90	334	P	P	00 23 36.5 +0.2
LUPA	Lehigh Univ	37.93	1	P	P	00 23 37.8 +1.3
LUPA	comp=Z,123nm,1.2s			I	I	00 23 39.8
UPAO	U. Pittsburgh	37.97	355	P	P	00 23 38.9 +2.0
SSPA	Standing Stone	37.99	358	P	P	00 23 37.7 +0.7
SSPA	Standing Stone	37.99	358	P	P	00 23 40.1
SSPA	Standing Stone	37.99	358	P	P	00 23 39.0 +1.9
SSPA	Standing Stone	37.99	358	P	P	00 23 38.9 +1.9
SSPA	Standing Stone	37.99	358	P	P	00 23 38.9 +1.9
SSPA	Standing Stone	37.99	358	P	P	00 25 49.7 +0.5
CCM	Cathedral Cave	38.00	340	I	I	00 23 36.6 -0.5
CCM	comp=Z,96nm,1.0s			I	I	00 23 37.8
CCM	Cathedral Cave	38.00	340	P	P	00 23 36.8 -0.3
CCM	Cathedral Cave	38.00	340	P	P	00 23 36.7 -0.5
CCM	Cathedral Cave	38.00	340	P	P	00 23 36.6 -0.5
CCM	Cathedral Cave	38.00	340	P	P	00 23 36.7 -0.5
CCM	Cathedral Cave	38.00	340	P	P	00 24 14.6 +1.5
CCM	Cathedral Cave	38.00	340	P	P	00 25 50.0 +0.7
CCM	Cathedral Cave	38.00	340	P	P	00 29 22.5 +0.9
APMT	Aspermont	38.01	326	P	P	00 23 37.8 +0.5
APMT	comp=Z,38nm,1.0s			I	I	00 23 39.1
BRNJ	Basking Ridge	38.03	2	P	P	00 23 38.2 +0.9
BRNJ	comp=Z,65nm,0.8s			I	I	00 23 39.9
BRNJ	Basking Ridge	38.03	2	P	P	00 23 39.2 +1.9
ALPN	Alpine	38.04	320	P	P	00 23 38.8 +1.1
ALPN	comp=Z,82nm,0.9s			I	I	00 23 40.5
ACSO	Alum Creek Sta	38.07	351	P	P	00 23 38.4 +0.7
ACSO	Alum Creek Sta	38.07	351	P	P	00 23 39.9
ACSO	Alum Creek Sta	38.07	351	P	P	00 23 38.7 +1.1
ACSO	Alum Creek Sta	38.07	351	P	P	00 23 38.6 +0.9
Q44A	Meyer Farm, Va	38.09	344	P	P	00 23 37.3 -0.5
Q44A	Meyer Farm, Va	38.09	344	P	P	00 23 37.4 -0.5
SN01	Snyder 1	38.10	325	P	P	00 23 38.9 +0.7
SN01	comp=Z,48nm,0.9s			I	I	00 23 40.1
SN01	Franklin	38.11	331	P	P	00 25 51.0 +1.2
SPB	Sao Paulo	38.12	134	P	P	00 23 38.0 -0.1
SPB	Sao Paulo	38.12	134	P	P	00 23 36.6 -1.7
MNHN	Monahans	38.13	322	P	P	00 23 39.2 +0.7
MNHN	comp=Z,52nm,0.8s			I	I	00 23 44.2
DEOK	Depew	38.16	333	I	I	00 23 38.5 -0.1
DEOK	comp=Z,76nm,0.7s			I	I	00 23 39.3
N58A	Sunbury	38.16	359	P	P	00 23 39.8 +1.4
N58A	comp=Z,84nm,1.1s			I	I	00 23 41.6
N58A	Sunbury	38.16	359	P	P	00 23 40.1 +1.6
N58A	baz=179,SNR=20			P	P	00 23 40.1 +1.6
SLM	Saint Louis	38.20	342	P	P	00 23 37.9 -0.9
SLM	comp=Z,139nm,1.4s			I	I	00 23 39.7
SLM	Saint Louis	38.20	342	P	P	00 23 38.4 -0.4
SLM	Saint Louis	38.20	342	P	P	00 23 37.9 -0.9
FOR	Fordham	38.24	3	P	P	00 23 40.7 +1.6
O49A	Covington	38.24	350	P	P	00 23 39.2 +0.1
O49A	comp=Z,96nm,1.1s			I	I	00 23 40.7
O49A	Covington	38.24	350	P	P	00 23 39.5 +0.3
O49A	baz=167,SNR=15			P	P	00 23 39.5 +0.3
okcvs	OKLAHOMA CITY	38.25	331	P	P	00 23 39.0 -0.2
P46A	Rosedale	38.29	346	P	P	00 23 39.4 -0.2
P46A	Rosedale	38.29	346	P	P	00 23 39.7 +0.1
ML02	Panmavida	38.32	174	P	P	00 23 40.0 +0.2
N53A	Lisbon	38.37	354	P	P	00 23 41.1 +1.0

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N53A	Lisbon	38.37	354	P	P	00 23 41.7 +1.5
N53A	baz=172,SNR=20			P	P	00 23 41.7 +1.5
PAL	Palisades	38.38	3	P	P	00 23 40.0 -0.2
PAL	comp=Z,74nm,0.9s			I	I	00 23 42.6
PAL	Palisades	38.38	3	P	P	00 23 41.4 +1.2
PAL	baz=183,SNR=7.8			P	P	00 23 41.4 +1.2
PAL	Palisades	38.38	3	P	P	00 23 41.4 +1.2
PAL	Palisades	38.38	3	P	P	00 23 40.0 -0.2
PAL	comp=Z,74nm,0.9s			P	P	00 23 40.0 -0.2
WMOK	Wichita Mounta	38.38	329	I	I	00 23 40.2 -0.2
WMOK	Wichita Mounta	38.38	329	I	I	00 23 41.7
WMOK	Wichita Mounta	38.38	329	P	P	00 23 40.6 +0.2
WMOK	Wichita Mounta	38.38	329	P	P	00 23 40.4 0.0
WMOK	Wichita Mounta	38.38	329	P	P	00 23 40.2 -0.2
WMOK	Wichita Mounta	38.38	329	P	P	00 23 40.2 -0.2
OK031	S. Brethren Rd	38.41	332	P	P	00 23 40.4 -0.2
S39A	Bolivar	38.41	338	P	P	00 23 40.1 -0.5
S39A	comp=Z,75nm,0.8s			I	I	00 23 41.3
S39A	Bolivar	38.41	338	P	P	00 25 51.4 +0.8
S39A	Bolivar	38.41	338	P	P	00 23 40.2 -0.4
ADOK	Arcadia Dam	38.41	332	P	P	00 23 40.2 -0.5
ADOK	Battle Ridge R	38.43	333	P	P	00 23 40.5 -0.2
ODNJ	Ogdensburg	38.43	2	P	P	00 23 40.6 -0.1
ODNJ	Ogdensburg	38.43	2	P	P	00 23 42.0 +1.3
O48B	Farmland	38.46	349	P	P	00 23 41.0 +0.1
O48B	Farmland	38.46	349	P	P	00 23 41.3 +0.3
O48B	Farmland	38.46	349	P	P	00 23 41.2 +0.3
TRNY	Table Rock, Ra	38.51	2	P	P	00 23 41.9 +0.6
PSDB	Penn State Univ	38.52	357	P	P	00 23 43.7 +2.2
QUOK	Quay	38.53	333	P	P	00 23 41.5 -0.1
OK033	Mehan	38.53	332	P	P	00 23 41.4 -0.2
ODSA	Odessa	38.54	323	P	P	00 23 42.0 +0.1
ODSA	comp=Z,27nm,1.0s			I	I	00 23 42.8
ODSA	Maddies Statio	38.56	339	P	P	00 25 52.9 +1.7
R40A	Ashland	38.56	339	P	P	00 23 40.9 -1.0
R40A	Maddies Statio	38.56	339	P	P	00 23 42.2
R40A	Maddies Statio	38.56	339	P	P	00 23 41.1 -0.7
OK029	Liberty Lake	38.57	332	P	P	00 23 41.9 -0.1
WSP1	Westport, CT	38.57	3	I	I	00 23 42.2 +0.4
WSP1	comp=Z,93nm,1.0s			I	I	00 23 44.3
POST	Post	38.60	325	P	P	00 23 42.8 +0.4
POST	comp=Z,80nm,0.9s			I	I	00 23 44.3
N51A	Ashland	38.66	352	P	P	00 23 43.2 +0.6
N51A	Ashland	38.66	352	P	P	00 23 43.4 +0.8
N51A	baz=170,SNR=17			P	P	00 23 43.4 +0.8
M57A	Sunshine Farm,	38.67	359	P	P	00 23 43.9 +1.2
M57A	Sunshine Farm,	38.67	359	P	P	00 23 44.9 +2.2
M57A	baz=178,SNR=37			P	P	00 23 44.9 +2.2
DKNS	Dickens	38.71	326	P	P	00 23 44.0 +0.7
DKNS	comp=Z,30nm,0.8s			I	I	00 23 44.7
YLE	Yale	38.74	4	P	P	00 23 43.9 +0.6
YLE	comp=Z,63nm,0.9s			I	I	00 23 46.1
OK048	Pawnee Station	38.84	333	P	P	00 23 44.2 0.0
PECS	Pecos	38.85	321	P	P	00 23 45.3 +0.9
PECS	comp=Z,87nm,1.4s			I	I	00 23 47.2
M55A	Ridgway	38.86	357	P	P	00 23 44.1 -0.2
M55A	comp=Z,108nm,1.1s			I	I	00 23 47.2
M55A	Ridgway	38.86	357	P	P	00 23 46.0 +1.7
M55						

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like K22A Casper, MONP2 Monarch, P17A Butcher Ranch, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like RLMT Red Lodge, SBC Santa Barbara, BCW Crk Wrg, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like G06A Carlson Farm, HAWA Hanford, D08A Wollman Farm, etc.

MORF	Marinete	70.64	51	eP	P	00 27 33.6 +0.6
SMAI	San Martin Ant	70.77	176	P	P	00 27 33.8 +0.9
ICESG	Greenland Ices	70.80	13	i/P	P	00 27 32.3 -1.3
ICESG	Greenland Ices				Iamb	00 27 34.1
PACT	Alcochete	70.82	50	eP	P	00 27 34.9 +1.0
AVE	Averroes	70.88	56	P	P	00 27 35.9 +1.4
PNCL	Nicolaou / Gran	70.91	51	eP	P	00 27 35.3 +0.8
LIC	Lamto	70.95	84	i/P	P	00 27 34.4 -0.8
TIC	Toumodi	70.95	84	i/P	P	00 27 34.0 -1.3
Q32M	Nakina River	71.00	333	Iamb	Iamb	00 27 37.6
Q32M	Nakina River	71.00	333	P	P	00 27 36.5 +1.5
PSBE	So Bento	71.01	49	eP	P	00 27 35.9 +0.7
OUMZ	Ouz	71.05	58	P	P	00 27 37.0 +1.3
DBIC	Dimbokro	71.11	84	P	P	00 27 35.0 -1.1
PCVE	Castro Verde	71.19	51	eP	P	00 27 37.3 +1.1
PBDV	Barranco-Do-Ve	71.20	52	eP	P	00 27 37.6 +1.3
KIC	Kororua	71.23	84	i/P	P	00 27 36.2 -0.7
PMTG	Montargil	71.35	50	eP	P	00 27 37.5 +0.4
PCAS	Camilio, Conde	71.35	49	eP	P	00 27 37.9 +0.7
S32K	Killisnoo	71.40	331	Iamb	Iamb	00 27 39.5
S32K	Killisnoo	71.40	331	P	P	00 27 38.3 +1.3
PBEJ	Beja	71.40	51	eP	P	00 27 38.2 +0.7
COI	Coimbra	71.45	48	eP	P	00 27 38.7 +1.0
ZHG	ZHG	71.54	56	P	P	00 27 39.3 +0.8
SIT	Sitka	71.59	330	P	P	00 27 41.0 +2.9
SIT	Sitka	71.59	330	P	P	00 27 39.3 +1.1
JIS	Juneau Island	71.67	332	Iamb	Iamb	00 27 41.2
JIS	Juneau Island	71.67	332	P	P	00 27 40.3 +1.7
R32K	Eaglecrest	71.73	332	Iamb	Iamb	00 27 41.6
R32K	Eaglecrest	71.73	332	P	P	00 27 40.5 +1.5
PESTR	Estremoz	71.79	50	eP	P	00 27 40.6 +0.8
PESTR	Estremoz	71.79	50	P	P	00 27 40.3 +0.5
P33M	Teslin, Yukon	71.85	334	Iamb	Iamb	00 27 42.2
P33M	Teslin, Yukon	71.85	334	P	P	00 27 40.9 +1.1
ZGR	Zagora	71.91	59	P	P	00 27 42.0 +1.2
PGAV	Gavireira, Arco	71.95	47	eP	P	00 27 41.3 +0.5
P32M	Atlin	71.95	333	Iamb	Iamb	00 27 42.8
P32M	Atlin	71.95	333	P	P	00 27 41.8 +1.4
PMRV	Marv??	72.05	49	eP	P	00 27 41.4 0.0
PBAR	Barrancos	72.07	51	eP	P	00 27 42.0 +0.5
PCBR	Castelo Branco	72.08	49	eP	P	00 27 41.8 +0.3
MTE	Manteigas	72.14	48	eP	P	00 27 41.9 -0.1
MTE	Manteigas	72.14	48	Iamb	Iamb	00 27 43.0
POLO	Lamas de Oio	72.17	47	eP	P	00 27 42.3 +0.2
PVRL	Vila Real	72.20	47	eP	P	00 27 42.4 +0.1
R31K	City Hill, Gus	72.37	332	P	P	00 27 44.2 +1.5
MMPY	Sheldon Lake,	72.39	337	P	P	00 27 44.2 +1.2
N32M	Quiet Lake	72.41	335	Iamb	Iamb	00 27 45.4
N32M	Quiet Lake	72.41	335	P	P	00 27 44.1 +1.0
S31K	Pelican	72.41	331	Iamb	Iamb	00 27 45.9
S31K	Pelican	72.41	331	P	P	00 27 44.5 +1.5
SKAG	Skagway	72.63	333	Iamb	Iamb	00 27 46.8
SKAG	Skagway	72.63	333	P	P	00 27 45.6 +1.3
SKAG	Skagway	72.63	333	P	P	00 27 45.6 +1.3
MVO	Monceno	72.69	48	eP	P	00 27 45.4 +0.2
SICH	Sidi Chahed	72.74	55	P	P	00 27 47.0 +1.5
CZD	Col de Zad	72.81	56	P	P	00 27 48.0 +1.7
KULLO	Kullorsuaq	72.86	5	i/P	P	00 27 44.4 -1.0
KULLO	Kullorsuaq				Iamb	00 27 46.3
CHEFC	Chefchaouen	72.88	54	P	P	00 27 49.0 +2.5
SMIR	Smir Dam	72.94	54	P	LR	00 27 48.0 +1.4
RES	Resolute Bay	72.95	355	LR	LR	01 02 13.1
WHY	Whitehorse	72.96	334	P	P	00 27 47.2 +0.7
PBRG	Braganca	73.03	47	eP	P	00 27 47.6 +0.4
FARO	Faro, Yukon	73.04	336	P	P	00 27 47.9 +1.1
LCRM	LCR	73.05	56	P	P	00 27 49.0 +1.4
PLBC	Pleasant Camp	73.11	332	P	P	00 27 48.5 +1.4
MDT	Midelt	73.14	57	P	P	00 27 49.1 +1.1
ARF	Arif	73.28	58	P	P	00 27 50.4 +1.5
M31M	Drury Creek, Y	73.46	335	Iamb	Iamb	00 27 51.8
M31M	Drury Creek, Y	73.46	335	P	P	00 27 50.6 +1.4
O30N	Mendenhall	73.55	334	Iamb	Iamb	00 27 52.3
O30N	Mendenhall	73.55	334	P	P	00 27 51.1 +1.3
P30M	Million Dollar	73.66	333	P	P	00 27 52.1 +1.7
N31M	Braeburn, Yuko	73.72	334	Iamb	Iamb	00 27 53.2
N31M	Braeburn, Yuko	73.72	334	P	P	00 27 52.0 +1.2
SUMG	Summit	73.76	11	Iamb	Iamb	00 27 52.5
SUMG	Summit	73.76	11	i/P	P	00 27 50.0 -1.2
SUMG	Summit	73.76	11	Iamb	Iamb	00 27 53.3
P29M	Windy Craggy	73.82	332	Iamb	Iamb	00 27 53.8
P29M	Windy Craggy	73.82	332	P	P	00 27 52.7 +1.4
PALE	Palemas	74.03	54	P	P	00 27 54.0 +0.9
TULEG	Thule	74.08	2	Iamb	Iamb	00 27 53.8
HYT	Haines Junction	74.20	333	P	P	00 27 55.2 +1.6
N30M	Aishkik Lake	74.28	334	Iamb	Iamb	00 27 56.8
N30M	Aishkik Lake	74.28	334	P	P	00 27 55.7 +1.6
PAB	San Pablo	74.39	50	P	P	00 27 55.6 +0.4
PAB	San Pablo	74.39	50	Iamb	Iamb	00 27 55.6 +0.4
PAB	San Pablo				pmax	00 27 55.6 +0.4
O29M	Mount Kennedy	74.47	333	Iamb	Iamb	00 27 57.8
O29M	Mount Kennedy	74.47	333	P	P	00 27 56.6 +1.3
PNL	Peninsula	74.61	332	P	P	00 27 57.7 +1.8

PNL	Peninsula	74.61	332	P	P	00 27 57.2 +1.3
M30M	Minto, Yukon	74.63	335	Iamb	Iamb	00 27 58.1
M30M	Minto, Yukon	74.63	335	P	P	00 27 56.9 +0.9
YUK6	Outpost Mounta	74.63	333	P	P	00 27 58.0 +1.7
ESDC	Sonsecqa Array	74.70	50	P	P	00 27 57.1 +0.2
MAYO	Mayo, Yukon	74.71	336	P	P	00 27 57.9 +1.5
GOG	Gogurugi	74.79	54	P	P	00 27 58.1 +0.5
BCPM	Bancas Point	74.83	332	Iamb	Iamb	00 27 59.9
YUK4	Talbot Arm	74.92	334	P	P	00 27 59.3 +1.5
JBK	JBK	75.03	55	P	P	00 28 00.0 +0.9
H31M	Peel River	75.14	339	Iamb	Iamb	00 28 01.0
H31M	Peel River	75.14	339	P	P	00 27 59.8 +0.9
PINM	Pinnacle	75.17	332	P	P	00 28 00.7 +1.5
TAF	Taforal	75.21	55	P	P	00 28 01.1 +1.2
M29M	Somme Creek	75.28	335	Iamb	Iamb	00 28 02.3
M29M	Somme Creek	75.28	335	P	P	00 28 01.1 +1.3
J30M	Hart River	75.32	337	P	P	00 28 01.1 +1.1
O28M	Mount Upton	75.39	333	P	P	00 28 02.2 +1.5
YUK8	Steele Glacier	75.39	333	P	P	00 28 02.0 +1.4
L29M	L29M	75.41	335	Iamb	Iamb	00 28 02.6
L29M	L29M	75.41	335	P	P	00 28 01.5 +1.0
K29M	Barlow Dome	75.47	336	Iamb	Iamb	00 28 02.9
K29M	Barlow Dome	75.47	336	P	P	00 28 01.8 +1.0
I30M	Mount Dempster	75.62	338	Iamb	Iamb	00 28 03.9
I30M	Mount Dempster	75.62	338	P	P	00 28 02.7 +0.9
G31M	Satah River	75.66	340	Iamb	Iamb	00 28 03.4
G31M	Satah River	75.66	340	P	P	00 28 02.4 +0.7
F31M	Tsigeitchoic	75.73	340	Iamb	Iamb	00 28 03.8
F31M	Tsigeitchoic	75.73	340	P	P	00 28 02.8 +0.7
LOGN	Logan Glacier	75.78	333	Iamb	Iamb	00 28 05.5
A36M	Sachs Harbour	75.84	346	P	P	00 28 02.4 -0.2
FIGM	Figuig	75.88	58	P	P	00 28 05.0 +1.2
YUK3	Moose Creek	75.88	334	P	P	00 28 04.8 +1.4
YAH	Yahs	75.96	332	Iamb	Iamb	00 28 06.8
CTGM	Chitina Glacie	75.98	333	Iamb	Iamb	00 28 06.6
CTG	Chitna Glacier	75.98	333	P	P	00 28 05.4 +1.5
MESA	MESA	75.99	332	P	P	00 28 05.3 +1.2
MESA	MESA	75.99	332	Iamb	Iamb	00 28 06.8
MESA	MESA	75.99	332	P	P	00 28 05.6 +1.6
J29M	Klondike Camp	76.00	337	Iamb	Iamb	00 28 06.2
J29M	Klondike Camp	76.00	337	P	P	00 28 05.2 +1.3
INK	Inuvik	76.09	341	Iamb	Iamb	00 28 05.7
INK	Inuvik	76.09	341	P	P	00 28 04.8 +0.6
GRNC	Granite Creek	76.09	333	P	P	00 28 05.5 +0.9
GRNC	Granite Creek	76.09	333	Iamb	Iamb	00 28 07.1
NEEM	North Greenland	76.09	5	i/P	P	00 28 04.0 -0.4
NEEM	North Greenland				Iamb	00 28 06.2
BARN	Barnard Glacie	76.16	333	P	P	00 28 06.4 +1.4
BARN	Barnard Glacie				Iamb	00 28 07.6
EPYK	Eagle Plains	76.26	339	Iamb	Iamb	00 28 07.1
EPYK	Eagle Plains	76.26	339	P	P	00 28 05.9 +0.6
BVCY	Beaver Creek	76.30	334	P	P	00 28 07.0 +1.5
DAWY	Dawson	76.31	336	P	P	00 28 06.2 +0.6
ISLE	Juniper Island	76.32	332	P	P	00 28 06.1 +0.3
ISLE	Juniper Island				Iamb	00 28 08.1
G30M	IAoh Zraii Nji	76.36	339	P	P	00 28 05.9 +0.1
SNH	Sunshine Point	76.41	332	P	P	00 28 07.0 +0.9
SNH	Sunshine Point				Iamb	00 28 09.2
I29M	Ogilvie Camp,	76.42	338	P	P	00 28 06.6 +0.5
I29M	Ogilvie Camp,				Iamb	00 28 08.1
I29M	Ogilvie Camp,	76.42	338	P	P	00 28 06.9 +0.8
F30M	Barrier River	76.50	340	P	P	00 28 07.4 +0.9
WAX	Waxell Ridge	76.50	332	P	P	00 28 07.7 +1.0
WAX	Waxell Ridge				Iamb	00 28 08.9
TGL	Tana Glacier	76.60	332	Iamb	Iamb	00 28 09.7
BGLG	Berg Glacier	76.60	332	P	P	00 28 09.0 +1.8
RSBS	Rosebush, Pemb	76.61	37	eP	P	00 28 06.7 -0.7
RSBS	Rosebush, Pemb				Iamb	00 28 08.0
CRQE	Cirque	76.72	332	P	P	00 28 09.1 +1.1
M27K	Edge Creek, AK	76.72	334	Iamb	Iamb	00 28 10.7
M27K	Edge Creek, AK	76.72	334	P	P	00 28 09.2 +1.2
CRQM	Cirque	76.74	332	P	P	00 28 08.8 +0.6
H29M	Whitestone	76.80	338	Iamb	Iamb	00 28 10.2
BERG	Berg Lake	76.89	332	Iamb	Iamb	00 28 11.5
MCARA	McCarty VSAT	76.89	333	Iamb	Iamb	00 28 11.6
MCARA	McCarty VSAT	76.89	333	P	P	00 28 10.4 +1.6
L27K	Beaver Creek	76.95	335	Iamb	Iamb	00 28 11.7
L27K	Beaver Creek	76.95	335	P	P	00 28 10.6 +1.4
G29M	Pine Creek	76.97	339	Iamb	Iamb	00 28 10.8
G29M	Pine Creek	76.97	339	P	P	00 28 09.9 +0.7
VRDI	Verde Repeater	77.04	333	Iamb	Iamb	00 28 12.2
I28M	Miner Creek	77.08	337	Iamb	Iamb	00 28 11.9
I28M	Miner Creek	77.08	337	P	P	00 28 10.8 +0.9
KAIM	Kayak Island	77.08	331	P	P	00 28 10.7 +0.8
HMT	Hamilton	77.13	332	Iamb	Iamb	00 28 12.2
M26K	Nabesna, AK	77.22	334	P	P	00 28 11.7 +0.9
GLB	Gilghina Butte	77.27	333	Iamb	Iamb	00 28 13.3
EGAK	Eagle	77.30	337	P	P	00 28 11.9 +0.9
GAL1	Galloway	77.32	34	eP	P	00 28 11.1 -0.2
GAL1	Galloway				Iamb	00 28 12.1

K27K	Chicken	77.39	336	Iamb	Iamb	00 28 13.8
K27K	Chicken	77.39	336	P	P	00 28 13.1 +1.5
BMRM	Bremner River	77.49	332	P	P	00 28 12.5 +0.3

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Table with columns: Station ID, Name, Frequency, Power, Direction, and Time. Includes stations like SML Sawmill, F26K Sheehjek River, HDA Harding Lake, etc.

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Table with columns: Station ID, Name, Frequency, Power, Direction, and Time. Includes stations like Q19K Cape Douglas, PPLA Purkeypille, PPLA Purkeypille, etc.

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Table with columns: Station ID, Name, Frequency, Power, Direction, and Time. Includes stations like NOR, O17K Koliganek Bris, R16K Pilot Point, B22K Teshekpu Lake, etc.

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+0.5, SHLS, Shaikoke, 129.50, 23, iPKIKP, PKIKP, 00 35 26.0 +0.5, WBK, Wadi Bani Khal, 129.59, 58, P, PKPpdf, 00 35 25.5 +0.2, SNR=5.6, MJAR, Matsu Arr-Jizo, 129.67, 324, ePKIKP, PKPpdf, 00 35 25.1 -0.1, MJAR, Matsu Arr-Jizo, 129.67, 324, PKP, PKPpdf, 00 35 24.9 -0.3, comp=Z, 4.0nm, 0.5s, comp=Z, 3.0nm, 0.5s, baz=73, slow=1.1, SNR=12, ULN, Ulanbatar, 129.76, 357, PKPpdf, PKPpdf, 00 35 25.0 -0.2, ULN, Ulanbatar, 129.76, 357, P, PKIKP, 00 35 25.7 -0.3, ULN, Ulanbatar, 129.76, 357, PKPpdf, PKPpdf, 00 35 25.0 -0.2, ULN, Ulanbatar, 129.76, 357, PKIKP, PKPpdf, 00 35 25.3 +0.1, SONM, Songoing Array, 129.82, 358, PKPpdf, PKPpdf, 00 35 25.3 +0.1, comp=Z, 1.2nm, 0.9s, baz=303, slow=0.6, SNR=46, SONM, Songoing Array, 129.82, 358, PKP, PKP, 00 37 32.9 -4.3, comp=Z, 0.8nm, 0.8s, baz=31, slow=3.5, SNR=3.5, SONM, Songoing Array, 129.82, 358, SKPbc, SKPbc, 00 38 32.2 +0.2, comp=Z, 6.9nm, 0.9s, baz=331, slow=3.5, SNR=19, JLN, Janan Bani Buh, 130.15, 58, P, PKPpdf, 00 35 26.0 -0.4, SNR=5.5, KBL, Kabul, 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3, eP, P, 00 29 09.6 +0.3, TEGC, Jichi Village, 0.14, 3, S, S, 00 29 14.6 +1.7, WARBT, Fenglin Townsh, 0.20, 318, iP, P, 00 29 10.0 -0.1, WARBT, Fenglin Townsh, 0.20, 318, i, S, 00 29 14.1 0.0, WARBT, Fenglin Townsh, 0.20, 318, i, S, 00 29 14.1 0.0, EHY, Hungye, 0.20, 252, P, P, 00 29 10.2 +0.2, EHY, Hungye, 0.20, 252, S, S, 00 29 13.9 -0.2, ESL, Shiin, 0.26, 340, iP, P, 00 29 10.7 -0.1, ESL, Shiin, 0.26, 340, S, S, 00 29 15.4 +0.1, ESL, Shiin, 0.26, 340, S, S, 00 29 15.4 +0.1, ECBN, Changbin, 0.26, 196, P, P, 00 29 11.2 +0.4, ECBN, Changbin, 0.26, 196, S, S, 00 29 16.5 -1.0, ECBN, Changbin, 0.26, 196, S, S, 00 29 16.5 -1.0, YULB, Yu-li, 0.28, 231, iP, P, 00 29 11.0 -0.1, YULB, Yu-li, 0.28, 231, S, S, 00 29 15.8 0.0, YULB, Yu-li, 0.28, 231, S, S, 00 29 15.8 0.0, EYUL, Yuli, 0.30, 221, eP, P, 00 29 12.3 -0.4, EYUL, Yuli, 0.30, 221, P, P, 00 29 12.3 -0.4, TWF1, Yuli, 0.31, 225, iP, P, 00 29 11.4 -0.1, TWF1, Yuli, 0.31, 225, eS, S, 00 29 16.4 0.0, ETM, Tongmen, 0.40, 355, eP, P, 00 29 12.5 -0.3, ETM, Tongmen, 0.40, 355, eP, P, 00 29 12.5 -0.3, VWDT, Wuyi, 0.40, 297, iP, P, 00 29 13.2 +0.3, VWDT, Wuyi, 0.40, 297, iP, P, 00 29 13.2 +0.3, VWDT, Wuyi, 0.40, 297, iP, P, 00 29 13.2 +0.3, VWDT, Wuyi, 0.40, 297, iP, P, 00 29 13.2 +0.3

Table with columns: VVDT, 00 29 19.3 +0.5, S, Sb, HWA, Hwalien, 0.41, 9, eP, P, 00 29 13.5 +0.4, FULB, Fulbu, 0.43, 211, eP, P, 00 29 13.9 +0.6, LXIB, Xiulin Townshi, 0.46, 346, iP, P, 00 29 13.4 -0.5, LXIB, Xiulin Townshi, 0.46, 346, eS, S, 00 29 20.4 -0.2, CHKT, Chengkung, 0.49, 198, P, P, 00 29 14.0 -1.1, CHKT, Chengkung, 0.49, 198, eS, S, 00 29 22.6 -0.5, OWD, Renai, 0.50, 320, iP, P, 00 29 14.4 -0.2, TWD, Chiawan, 0.51, 7, eP, P, 00 29 14.5 -0.2, EHD, Huan Duan, 0.52, 216, eP, P, 00 29 13.7 -1.0, ECS, Chishang, 0.55, 211, eP, P, 00 29 14.8 -0.5, WUSB, Wuzhu, 0.57, 318, iP, P, 00 29 15.6 -0.1, WUSB, Wuzhu, 0.57, 318, S, S, 00 29 23.0 -0.4, SSSL, Suanglung, 0.57, 292, iP, P, 00 29 15.4 -0.3, SSSL, Suanglung, 0.57, 292, eS, S, 00 29 22.9 -0.7, CHGB, Renai, 0.59, 326, iP, P, 00 29 16.1 0.0, CHGB, Renai, 0.59, 326, eS, S, 00 29 23.8 -0.4, ETL, Fush Village, 0.59, 8, eP, P, 00 29 15.4 -0.6, NACB, Ninganchiao, 0.60, 5, iP, P, 00 29 15.4 -0.8, NACB, Ninganchiao, 0.60, 5, eS, S, 00 29 24.4 0.0, ELDT, Lidau, 0.61, 231, iP, P, 00 29 15.4 -0.9, WHF, Hehuan Shan, 0.62, 337, eP, P, 00 29 16.2 -0.5, EDH, Donghe, 0.63, 199, eP, P, 00 29 16.4 -0.3, EDH, Donghe, 0.63, 199, eS, S, 00 29 26.4 -0.2, WHYT, Xinyi Township, 0.64, 282, iP, P, 00 29 17.0 +0.3, WHYT, Xinyi Township, 0.64, 282, eS, S, 00 29 25.3 0.0, ETLH, Xiulin Townshi, 0.64, 356, eP, P, 00 29 16.1 -0.7, SMLT, Sun Moon Lake, 0.66, 298, P, P, 00 29 17.1 -0.1, SMLT, Sun Moon Lake, 0.66, 298, eS, S, 00 29 26.3 +0.3, ALS, Alishan, 0.67, 265, eP, P, 00 29 17.8 +0.3, ALS, Alishan, 0.67, 265, eS, S, 00 29 26.1 -0.4, WPL, Pull Township, 0.69, 310, eP, P, 00 29 17.3 -0.2, TYC, Yuchr, 0.70, 298, iP, P, 00 29 17.7 -0.1, TYC, Yuchr, 0.70, 298, S, S, 00 29 27.9 -0.4, DPDB, Guoxing, 0.72, 310, P, P, 00 29 18.3 +0.1, DPDB, Guoxing, 0.72, 310, eS, S, 00 29 28.6 -0.3, FUSC, Fushou, 0.72, 339, iP, P, 00 29 18.0 -0.4, FUSC, Fushou, 0.72, 339, eS, S, 00 29 28.0 -0.4, WSS, Beigang Elemen, 0.75, 311, iP, P, 00 29 18.6 +0.1, WSS, Beigang Elemen, 0.75, 311, P, P, 00 29 18.6 +0.1, TWT, Tachien, 0.75, 334, iP, P, 00 29 19.0 +0.1, TWT, Tachien, 0.75, 334, eS, S, 00 29 28.2 -0.6, LONT, Longtan, 0.76, 209, eP, P, 00 29 17.3 -1.5, TDCB, Tech, 0.76, 333, P, P, 00 29 18.9 -0.1, TDCB, Tech, 0.76, 333, eS, S, 00 29 28.1 -0.8, WJS, Zhushan, 0.78, 289, eP, P, 00 29 20.2 +0.8, WJS, Zhushan, 0.78, 289, eS, S, 00 29 31.2 +0.9, CHNS, Tsaling, 0.78, 272, eP, P, 00 29 20.1 +0.6, CHNS, Tsaling, 0.78, 272, eS, S, 00 29 30.3 -0.2, STYH, Taoyuan, 0.80, 240, eP, P, 00 29 19.4 -0.1, STYH, Taoyuan, 0.80, 240, eS, S, 00 29 29.7 -0.3, STYT, Taoyuan, 0.

Table with columns: TWK, Hsinying, 1.00 253 P, Pb, 00 29 23.1 +0.1, etc. Includes stations like Tainan City, Chiayi, Datong Townshi, etc.

TIR 04 00:33:52.9, 40:12N-20:69E, h5km, Md3.1, M12.1
ATH 04 00:33:52.8, 40:08N-20:74E, h18km, 5km, ML1.3/2, Error ellipse: s-maj=6.5km s-min=1.0km az=38.0

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like Leskovik, Hsialouchi, Hengchun, etc.

Main table with columns: LKD2, S, Sn, 00 34 38.3 +2.2, etc. Includes stations like Shemys Is, Ala, Shemya, etc.

Table with columns: SEW, Asahikawa, 21.84 55 P, P, 00 51 59.9 -3.0, etc. Includes stations like Thorfare Moun, Glory Hole, Knik Glacier, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Tarama, Finglin Townsh, Renai, Wufeng Townshi, Ruisui, etc.

IDC 04 01:22:28.2.1.0, 1.83N-79.31W, h0km, mb3.6/7, mtbnp3.8/10, ML2.7/2, MS3.4/14, Error ellipse: s-maj=24.1km s-min=20.5km az=45.0

ISC 04 01:22:28.8.1.4, 1.96N-0.003-79.23W.0104, h3km, n98, c2571/117, mb4.1/16, MS3.3/14, 2D, Near coast of Ecuador

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Tumaco, Gorgona, Isla, Cumbal, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Macarena, Meta, Arenillas, Rosca, etc.

CATAC 04 02:29:06.0.4.9.38N-84.45W, h21km, 3km, ML3.4, Hypocentre not reviewed by the ISC
UCR 04 02:30:70.9.9.38N-84.42W, h38km, 3km, MW3.7, 8C-12, Costa Rica

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Parrita, Quepos, Naranjito, etc.

IDC 04 02:22:07.5.1.8.659S-128.99E, h0km, mb3.8/2, mtbnp3.7/4, ML3.7/2, MS3.2/1, Error ellipse:

4d 3h

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

IDC 04 02:04:25.8.0.8, 31.22Sx68.48W, h98km, 8km, mb3.1/3, mbtmp3.5/7, Error ellipse: s-maj=31.5km s-min=21.0km

SJA 04 02:40:26.5.0.8, 31.22Sx68.33W, h102km, 2km, ML3.4, MW3.6

ISC 04 02:40:27.1.0.7, 31.21Sx003.6834W, 0.03h, h103km, 5km, n54, s1947/89, mb3.2/3, 2C-1D, San Juan Province

Main table of station data for the first section, including stations like Cerro Villuncu, San Juan, Coronel Fontan, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Copiap, Sierra Bellavi, Limon Verde, etc.

IDC 04 02:54:18.8.6.16, 19.35Sx170.03E, h57km, 53km, mb3.3/4, mbtmp3.6/5, ML3.8/1, Error ellipse: s-maj=41.0km

NOU 04 02:54:59.4, 22.20Sx167.79E, h0km, MLv2.4/6, New Caledonia

ISC 04 02:53:60.0.2.8, 22.27Sx016x172.3E, 0.3h, h10km, n111, s1925/10, mb3.6/4, Southeast of Loyalty Islands

RSNC 04 02:56:04.1.6.1, 8.136N-79.23W, h16km, 6km, ML3.4, Mw3.7, Near coast of Ecuador

Main table of station data for the second section, including stations like Pinnac Mines Island, YATNC Pamine plateau, etc.

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

IDC 04 03:08:17.0.2.2, 4.64Sx150.98E, h0km, mb3.2/3, mbtmp3.3/3, Error ellipse: s-maj=145.0km

s-min=31.7km az=124.0, New Britain region

IDC 04 03:18:06.1.19.0, 7.74Sx121.48E, h394km, 238km, mb2.8/2, mbtmp3.5/4, MS2.7/1, Error ellipse: s-maj=178.2km s-min=52.6km az=76.0, Flores Sea

IDC 04 03:25:41.0.1.0, 35.90Nx26.94E, h0km, mb3.6/6, mbtmp3.5/10, ML3.2/4, MS2.4/2, Error ellipse: s-maj=27.8km s-min=13.8km az=162.0

ISK 04 03:25:42.1, 35.91Nx26.94E, h98km, ML3.3/22, ATH 04 03:25:43.5, 35.89Nx27.00E, h138x2km, ML3.3/11, Error ellipse: s-maj=2.5km s-min=0.9km az=96.0

THE 04 03:25:43.1, 35.89Nx27.00E, h3km, 2km, ML3.4/7, Error ellipse: s-maj=2.6km s-min=0.6km az=100.0

AFAD 04 03:25:44.6.0.0, 35.94N-27.06E, h18km, 2km, ML3.2

ISC 04 03:25:43.3.0.3, 35.88N-02.26.98E, 0.02h, h17km, 6km, n80, s1905/117, mb3.6/6, Crete

Main table of station data for the third section, including stations like DAV Davao City (W), WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SONGINO Array, YREKA Blue Hor, PFO Pinyon Flats, etc.

ICD 04 07:08:16.7:2.1, 0.57S:97.47E, h0km, mb3.8/8, mbmp3.8/9, ML4.9/1, MS3.0/2, Error ellipse: s-maj=78.9km s-min=20.5km az=7.0

ISC 04 07:08:23.0:2.1, 0.3S:0.3:97.3E:0.4, h35km, n22, 0.651/10, mb3.9/8, Southwest of Sumatera

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

ICD 04 07:09:55.5:3.7, 0.40S:97.72E, h0km, mb3.7/5, mbmp3.7/5, Error ellipse: s-maj=163.1km s-min=24.8km az=5.7

ISC 04 07:10:02.0:4.0, 0.2S:0.6:98.0E:0.9, h35km, n18, 0.643/6, mb3.8/5, Southern Sumatera

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

ICD 04 07:11:44.8:1.5, 4.2:23N:142.91E, h0km, mb3.7/8, mbmp3.7/8, Error ellipse: s-maj=33.8km s-min=31.1km az=29.0

MOS 04 07:11:48.1:1.1, 4.2:14N:142.96E, h47km, mb4.1/1, Error ellipse: s-maj=20.7km s-min=12.2km az=53.6

SKHL 04 07:11:50.5:0.1, 4.2:20N:143.00E, h63km, mb3.6/3, JMA 04 07:11:52.5:0.1, 4.2:4N:0.4:143.1E:0.6, h50km, mb4.1/1, MW3.5/40, HIDAKA MOUNTAINS REGION

NIED 04 07:11:52.5, 4.2:35N:143.12E, h50km, MW3.6, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm

Mn-2.11; Mw-0.52; Mw-1.59; Mn-0.87; Mw-1.16; Mw-1.31; Fault plane solution: NP2 72000x10^14 NP10x33.00000^0, 863.00000^0, 9.91.00000^0. NP22x212.00000^0, 827.00000^0, 1.89.00000^0.

ISC 04 07:11:52.0:0.8, 4.2:31N:0.05:143:11E:0.04, h53km, 6km, n38, 0.134/47, mb3.7/8, 1C-4D, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JTHR Tokachihiroo, JNKB Urakawa-nobuka, JEM Erimo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H1N2 WAKE ISLAND Hy 30.17 131 T, H1N1 WAKE ISLAND Hy 30.18 131 T, etc.

NOU 04 07:22:09.4, 2.195S:170.22E, h0km, MLv4.6/8, Southeast of Loyalty Islands

ICD 04 07:22.9:3.0, 0.21:29S:168.89E, h0km, mb3.6/5, mbmp3.6/6, ML3.4/1, Error ellipse: s-maj=142.1km s-min=22.6km az=153.0

ISC 04 07:22.9:7.1, 0.21:29S:0.1:169:15E:0.09, h10km, n22, 0.859/23, mb3.8/5, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PINNC Pines Island, LIFNC LIFOU, YATNC Mamie plateau, etc.

WRA Warramunga Arr 32.54 267 P 07 28 54.8 -0.4

SONM Songo Array 89.29 323 P 07 35 18.8 -1.4

NVAR Mina Array Bea 90.61 49 P 07 35 27.1 +0.4

ILAR Eielson Array 92.78 17 P 07 35 34.9 -0.9

EKA Eskdalemuir Ar 146.12 352 PKPbc 07 42 03.1 +0.2

GERES GERES Array B 146.77 330 PKPbc 07 42 06.3 +2.0

Error ellipse: s-maj=8.6km s-min=5.7km az=146.0 NEIC 04 07:28:48.6:1.5, 52:33N:0.10:167.99W:0.04, h18km, 12km, mb3.6/7, ML3.4/10, ML2.6(AEIC), Error ellipse: s-maj=14.4km s-min=3.7km az=176.0

ISC 04 07:28:48.5:1.4, 52:33N:0.10:167.99W:0.07, h21km, 8km, n48, 0.074/53, Fox Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIKH Nikolski High, OKSP Okmok Steeple, OKTU Okmok Mt. Tuli, etc.

GUC 04 07:48:10.5:0.7, 25:31S:69.19W, h15km, 4km, ML3.5, 12C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GO02 Mina Guanaco, PB14 IPOC Station P, AC01 Pan de Azucar, etc.

AF01 San Pedro de A 2.52 22 P 07 48 51.5 +0.9

PB06 IPOC Station P 2.61 352 P 07 49 21.4 -2.1

LVC Limon Verde 2.70 51 P 07 48 53.2 +0.1

PB04 IPOC Station P 3.09 343 P 07 48 57.3 -0.8

AC04 Llanos de Chala 3.34 210 P 07 49 00.3 -0.9

PB09 IPOC Station P 3.50 359 P 07 49 04.1 +0.6

VCA Vinchina 3.52 166 P 07 49 07.3 +2.3

PB07 IPOC Station P 3.62 350 P 07 49 08.1 -1.0

AC05 El Transito 3.65 195 P 07 49 05.7 +0.4

LCO Las Campanas 3.93 201 P 07 49 08.5 -0.7

PB02 IPOC Station P 4.02 350 P 07 49 09.3 -1.1

PB01 IPOC Station P 4.25 356 P 07 49 12.5 -1.0

PAT03 Punta Patache 4.55 349 P 07 49 15.4 -2.1

TA01 Juntas del Tor 4.72 190 P 07 49 09.3 -1.1

TA01 Diego Aracena 4.81 349 P 07 49 11.8 -2.5

SNET 04 08:18:32.8:0.7, 13:69N:91.04W, h14km, 10km, ML3.1

GCG 04 08:18:35.2:2.9, 13:38N:91.23W, h61km, 60km, MD3.3

ISC 04 08:18:32.7:4.4, 13:38N:0.1:91.3W:0.1, h38km, 12km, n10, 0.659/16, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SULM Suchitepequez, FUG Fuego 3, PCCG Pacaya, etc.

Table with columns: Call Sign, Location, Time, Frequency, Mode, and other details. Includes entries like TLZ Tolley Road, MHGZ Mahia Peninsula, etc.

Table with columns: Call Sign, Location, Time, Frequency, Mode, and other details. Includes entries like UWB Uwekahuna B, MLH Mauna Loa, etc.

Table with columns: Call Sign, Location, Time, Frequency, Mode, and other details. Includes entries like STKA Stephens Creek, STKA Stephens Creek, etc.

EDW2	Edwards Air Fo	72.39	45	P	P	09 11 46.6 +0.9
EDW2	baz=236,SNR=124			S	S	09 21 11.9 +2.3
MONP2	Monument Peak	72.41	48	P	P	09 11 46.6 +0.6
MONP2	baz=238,SNR=61			S	S	09 21 13.2 +3.0
SPMM1	Spaulut	72.42	280	P	P	09 11 45.0 +0.7
CHIR	Chirikof Islan	72.46	10	I	Amb	09 11 47.9
CHIR	Chirikof Islan	72.46	10	P	P	09 11 45.5 0.0
CHIR	baz=198,SNR=7.2			S	S	09 21 07.7 -1.7
CHGN	Chignik	72.48	9	I	Amb	09 11 48.6
CHGN	comp=Z,671nm,1.1s			I	A	09 39 38.5
CHGN	Chignik	72.48	9	P	P	09 11 44.7 -0.8
CHGN	baz=195,SNR=66			S	S	09 21 07.8 -1.8
RMX	La Rumorosa	72.50	48	I	Amb	09 11 52.0
RMX	comp=Z,922nm,1.9s			I	A	09 35 58.2
ISA	Isabella, Lake	72.50	44	P	P	09 11 46.3 -0.1
ISA	comp=Z,529nm,1.4s			P	P	09 11 47.4 +1.0
ISA	Isabella, Lake	72.50	44	S	S	09 21 11.8 +0.9
ISA	baz=236,SNR=106			S	S	09 11 46.3 -0.1
ISA	Isabella, Lake	72.50	44	P	P	09 11 46.3 -0.1
ISA	comp=Z,529nm,1.5s			P	P	09 11 47.2 +0.7
IKP	In-Ko-Pah, Jac	72.50	48	P	P	09 11 47.2 +0.7
IKP	baz=238,SNR=62			S	S	09 21 11.8 +0.7
SFX	San Felipe	72.58	50	I	A	09 35 08.2
CMB	Columbia Colle	72.62	41	I	Amb	09 11 52.3
CMB	comp=Z,724nm,1.9s			I	A	09 36 34.9
YUH	Yuha Desert	72.64	48	I	Amb	09 11 52.4
YUH	comp=Z,706nm,1.8s			I	A	09 35 51.5
KRMB	Red Mountain	72.64	37	P	I	09 11 46.9 -0.2
KRMB	comp=Z,105um,21.0s			P	I	09 11 53.0
KRMB	comp=Z,1um,1.8s			I	A	09 38 11.3
PEA0B	Petrovlovsk-	72.67	342	P	P	09 11 46.5 -0.4
PEA0B	Petrovlovsk-	72.67	342	P	P	09 11 46.5 -0.4
PEA0B	comp=Z,2um,1.6s			P	P	09 11 45.9 -1.0
PETK	Petrovlovsk-	72.67	342	P	P	09 11 45.9 -1.0
PETK	comp=Z,281nm,1.1s,baz=108,slow=8.6,SNR=56			LR	LR	09 39 09.0
SRIG	Santa Rosalia	72.76	55	P	P	09 11 48.2 +0.2
PFO	Pinyon Flats O	72.77	47	P	I	09 11 47.2 -0.8
PFO	comp=Z,734nm,1.6s			P	P	09 11 48.6 +0.5
PFO	Pinyon Flats O	72.77	47	P	P	09 11 48.6 +0.5
PFO	baz=238,SNR=90			S	S	09 21 15.7 +1.6
PFO	Pinyon Flats O	72.77	47	P	P	09 11 48.5 +0.5
PFO	comp=Z,719nm,1.8s			MLR	MLR	
PFO	Pinyon Flats O	72.77	47	LR	LR	09 37 17.0
TPFO	Pinon Flats	72.77	47	P	P	09 11 48.5 +0.4
TPFO	baz=238,SNR=88			S	S	09 21 16.1 +2.0
BBRC	Big Bear Solar	72.79	46	P	P	09 11 49.1 +0.7
BBRC	baz=237			S	S	09 21 16.5 +1.9
AFDM	Forest Hills D	72.80	40	I	A	09 38 32.6
ORV	Oroville	72.84	39	P	I	09 11 47.8 -0.4
ORV	comp=Z,77um,19.0s			P	I	09 36 01.6
ORV	Oroville	72.84	39	P	P	09 11 47.8 -0.4
PMD	Palm Desert	72.84	47	P	I	09 11 47.8 -0.6
PMD	comp=Z,833nm,1.8s			I	A	09 38 19.0
KSXB	Camp Six Broad	72.86	36	I	A	09 38 19.0
LPIG	La Paz	72.86	58	LR	LR	09 35 25.4
SWSC	Sam W. Stewart	72.88	48	P	P	09 11 49.1 +0.5
SWSC	baz=238,SNR=60			S	S	09 21 16.5 +1.3
KBO	Bosley Butte	72.90	36	I	Amb	09 11 54.5
KBO	comp=Z,2um,1.7s			I	A	09 36 43.2
LRMC	Laurel Mtn Rad	72.94	45	P	P	09 11 49.5 +0.5
LRMC	baz=236,SNR=6.4			S	S	09 21 18.8 +2.8
CPXB	Cerro Prieto	72.96	49	I	Amb	09 12 38.5
CPXB	comp=Z,1um,1.8s			I	A	09 35 51.1
UABX	UABC, Campus M	72.97	48	I	A	09 36 32.4
SLBS	Sierra La Lagu	72.98	59	P	P	09 11 49.0 -0.5
SLBS	comp=Z,1um,1.8s			I	A	09 11 55.5
KKM	Kota Kinabalu	73.07	281	P	P	09 11 49.3 -0.9
KKM	comp=Z,986nm,2.0s			P	P	09 11 50.5 +0.3
GUVIX	Guadalupe Vict	73.07	49	I	Amb	09 12 42.4
GUVIX	comp=Z,1um,1.7s			I	A	09 35 54.9
RRX	Edison Barstow	73.07	46	P	P	09 11 50.3 +0.6
RRX	baz=237,SNR=8.4			S	S	09 21 18.6 +1.3
CWC	Cottonwood Cre	73.20	44	P	P	09 11 51.3 +0.7
CWC	baz=236			S	S	09 21 20.4 +1.3
L02F	Cave Junction	73.22	36	I	Amb	09 11 56.1
L02F	comp=Z,944nm,1.7s			I	A	09 35 39.5
MDPB	Devils Postpil	73.22	42	I	A	09 36 23.9
KEBM	Edson Butte	73.27	35	I	Amb	09 11 56.5
KEBM	comp=Z,1um,1.5s			I	A	09 37 42.9
BELC	Belle Mtn, Jos	73.30	47	P	P	09 11 51.7 +0.5
BELC	baz=238,SNR=137			S	SKIKP	09 21 23.8 +0.5
MLAC	Mammoth, Mammo	73.32	47	P	P	09 11 52.8 +1.0
MLAC	baz=235,SNR=12			S	SKIKP	09 21 25.4 +2.0
MPMC	Manual Prospec	73.39	44	P	P	09 11 52.5 +0.7
MPMC	baz=236,SNR=213			S	SKIKP	09 21 23.9 +0.5
SII	Sitkinak Islan	73.42	11	I	Amb	09 11 52.5
SII	comp=Z,1um,1.6s			P	P	09 11 50.8 -0.4
SII	Sitkinak Islan	73.42	11	P	P	09 11 51.5 +0.3
SII	baz=199,SNR=13			P	P	

SII				S	SKIKP	09 21 22.6 0.0
GSC	Goldstone, Bar	73.44	45	P	P	09 11 52.7 +0.7
GSC	baz=237,SNR=106			S	SKIKP	09 21 24.2 +0.8
TIN	Tinemaha, Big	73.45	43	P	P	09 11 53.0 +1.0
TIN	baz=235,SNR=98			S	SKIKP	09 21 24.3 +0.9
YBH	Yreka Blue Hor	73.47	37	I	Amb	09 11 57.6
YBH	comp=Z,1um,1.8s			I	A	09 36 00.1
YBH	Yreka Blue Hor	73.47	37	LR	LR	09 36 22.3
BC3	Big Chuckawall	73.50	47	P	P	09 11 53.1 +0.7
BC3	baz=238,SNR=138			S	SKIKP	09 21 25.5 +1.9
HEC	Hector,Ludlow	73.50	46	P	P	09 11 52.6 +0.3
HEC	baz=237,SNR=101			S	SKIKP	09 21 24.1 +0.6
YSS	Yuzh-Sakhalins	73.56	330	P	P	09 11 51.4 -0.9
YSS	comp=Z,1um,1.3s			I	A	09 12 11.8
YSS	Yuzh-Sakhalins	73.56	330	P	P	09 11 51.3 +0.8
YSS	comp=Z,56um,21.0s			P	P	09 11 52.4 +0.1
YSS	Yuzh-Sakhalins	73.56	330	P	P	09 11 52.4 +0.1
YSS	comp=Z,2um,2.0s			e	ePPP	09 16 25.8
YSS	comp=Z,2um,2.0s			e	eS	09 21 20.2 -2.1
YSS	comp=Z,350nm,1.1s			e	eSS	09 22 01.0
YSS	comp=Z,10um,5.5s			e	eSS	09 25 58.7 -7.0
YSS	comp=N,3um,5.8s			e	eSS	
MPK	Martis Peak	73.59	40	I	Amb	09 12 06.3
MPK	comp=Z,498nm,1.2s			I	A	09 12 06.3
GLA	Glamis	73.63	48	P	P	09 11 54.2 +1.1
GLA	baz=239			S	S	09 21 27.3 +3.4
PNTR	Pine Nut	73.74	41	I	Amb	09 11 59.0
QSM	Queen of Sheba	73.75	45	I	Amb	09 11 58.9
QSM	comp=Z,2um,2.0s			I	A	09 37 12.0
R16K	Pilot Point	73.83	9	P	P	09 11 53.0 -0.5
R16K	baz=196			S	S	09 21 25.0 +0.2
YERR	Yerington	73.91	41	I	Amb	09 11 60.0
YERR	comp=Z,1um,1.9s			I	A	09 11 55.4 +0.4
GMRC	Granite Mounta	73.95	46	P	P	09 11 55.4 +0.4
GMRC	baz=238,SNR=162			S	S	09 21 31.1 +3.6
IRM	Iron Mountain	73.98	47	P	P	09 11 55.8 +0.7
IRM	baz=238,SNR=244			S	S	09 21 30.3 +2.6
GRAC	Grapevine Rang	73.99	44	I	Amb	09 12 04.3
GRAC	comp=Z,991nm,1.8s			P	P	09 11 56.1 +1.0
GRAC	Grapevine Rang	73.99	44	P	P	09 11 56.1 +1.0
GRAC	baz=236,SNR=103			S	S	09 21 30.9 +3.2
NGWJ	Ngawi	74.00	267	P	P	09 11 56.7 +1.1
NGWJ	comp=Z,278nm,1.2s,comp=Z,12um,2.5um			I	A	09 12 01.6
GWY	Greenwater Val	74.01	45	I	Amb	09 12 01.6
GWY	comp=Z,844nm,2.0s			I	A	09 37 10.8
FURC	Furnace Creek	74.03	44	P	P	09 11 56.2 +0.9
FURC	baz=236,SNR=91			S	S	09 21 29.7 +1.7
DBO	Dodon Butte	74.04	36	I	A	09 36 27.3
R17K	Ugashik Creek	74.07	9	P	P	09 11 54.9 -0.1
R17K	comp=Z,69um,21.0s			I	A	09 37 11.8
R17K	Ugashik Creek	74.07	9	P	P	09 11 54.9 -0.1
R17K	baz=197,SNR=31			S	S	09 21 26.9 -0.7
TUQ	Turquoise Moun	74.11	46	P	P	09 11 56.5 +0.6
TUQ	baz=197,SNR=43			S	S	09 21 30.6 +1.3
NVAR	Mina Array Bea	74.18	42	P	P	09 11 56.0 -0.5
NVAR	comp=Z,45nm,0.9s,baz=228,slow=6.4,SNR=147			LR	LR	09 36 49.4
NVAR	comp=Z,104um,21.7s,baz=246,slow=29			PKP2bc	PKP2bc	09 39 24.3
NVAR	comp=Z,1.1nm,0.9s,baz=94,slow=3.4,SNR=4.0					
OHAK	Old Harbor	74.21	11	P	P	09 11 57.6 +1.8
BLYC	Blythe	74.21	48	I	A	09 37 40.2
BLYC	comp=Z,89um,20.0s			I	A	09 36 57.5
GMMN	Gold Mountain	74.23	43	I	A	09 36 57.5
PAHR	Pah Rah Range	74.24	40	I	Amb	09 12 02.0
PAHR	comp=Z,1um,1.9s			I	A	09 38 14.7
113A	Mohawk Valley,	74.25	49	I	Amb	09 12 02.1
113A	comp=Z,76um,20.0s			I	A	09 36 30.4
R18K	Karluk	74.32	10	P	P	09 11 56.5 0.0
R18K	baz=199			S	S	09 21 29.8 -0.6
I03D	Drain, OR	74.35	35	I	Amb	09 12 10.4
I03D	comp=Z,2um,1.7s			I	A	09 36 25.6
MZP	Montezuma Peak	74.37	43	I	A	09 36 50.3
MZP	comp=Z,71um,22.0s			P	P	09 11 57.2 -0.7
WOJI	Wonogiri, Jawa	74.40	266	P	P	09 11 57.2 -0.7
214A	Organ Pipe Nat	74.55	50	I	Amb	09 12 04.0
214A	comp=Z,67um,21.0s			I	A	09 36 30.3
214A	Organ Pipe Nat	74.55	50	P	P	09 11 59.8 +1.3
21						

4d 9h

Table with columns for station name, frequency, power, and signal strength. Includes stations like Newport, HAARP, Kul'dur, Albuquerque, etc.

2017 NOV

Table with columns for station name, frequency, power, and signal strength. Includes stations like Dalian, Hagen Lake, Guangzhou, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like DLV, YFT, SMCO, N31M, etc.

Table with columns for station call letters, frequency, and various signal quality indicators. Includes stations like HHC, YAK, BGNE, PLCA, etc.

Table with columns for station call letters, frequency, and various signal quality indicators. Includes stations like MDND, L34A, GBS3, etc.

Table with columns for station call letters, frequency, and various signal quality indicators. Includes stations like CD2, LMEL, F33A, etc.

LVC	comp=Z,32um,22.0s	96.85	116	LR	LR	09 48 53.4		
PBA	comp=Z,22um,20.6s,baz=250,slow=30	96.88	280	P	P	09 13 49.2 -2.1		
COWI	Compover	96.88	44	P	P	09 13 50.4 -0.2		
COWI	baz=255			S	S	09 25 07.5 -5.5		
COWI	Compover	96.88	44	P	P	09 13 49.2 -1.4		
COWI	baz=255			S	S	09 13 48.6 -1.2		
CF4N	Lafayette	96.89	50	P	P	09 13 51.3 +0.5		
CF4N	comp=Z,293nm,1.4s							
CF4N	Lafayette	96.89	50	P	P	09 13 51.3 +0.5		
CF4N	baz=256,SNR=17			S	S	09 25 12.0 -1.3		
CF4N	baz=256			S	S	09 25 12.0 -1.3		
CF4N	Lafayette	96.89	50	P	P	09 13 50.0 -0.8		
CF4N	baz=256,SNR=17			S	S	09 25 11.6 -1.6		
152A	Waverly Hall	96.89	58	Iamb	Iamb	09 13 57.6		
152A	comp=Z,204nm,1.4s							
152A	comp=Z,28um,20.0s			IAMs_20	IAMs_20	09 52 14.2		
152A	Waverly Hall	96.89	58	P	P	09 13 51.6 +0.6		
152A	baz=256,SNR=36			S	S	09 25 13.8 +0.2		
152A	baz=256			S	S	09 25 13.8 +0.2		
PB12	IPOC Station P	96.90	111	eP	P	09 13 49.3 -2.2		
POPC	Popayan, Colom	96.95	89	eP	P	09 13 49.2 -2.8		
U49A	Red Boiling Sp	96.96	54	Iamb	Iamb	09 13 57.9		
U49A	comp=Z,182nm,1.1s							
U49A	comp=Z,45um,21.0s			IAMs_20	IAMs_20	09 50 54.7		
U49A	Red Boiling Sp	96.96	54	P	P	09 13 50.6 -0.6		
U49A	baz=256,SNR=71			S	S	09 25 11.9 -2.1		
WCI	Wyandotte Cave	96.97	52	P	P	09 13 50.3 +0.9		
WCI	comp=Z,48um,20.0s			IAMs_20	IAMs_20	09 52 19.0		
WCI	Wyandotte Cave	96.97	52	P	P	09 13 53.2 +2.0		
WCI	baz=256			S	S	09 25 12.9 -1.2		
WCI	Wyandotte Cave	96.97	52	P	P	09 13 50.5 -0.7		
WCI	baz=256,SNR=5.6			S	S	09 25 12.3 -1.7		
WCI	baz=256			S	S	09 25 12.3 -1.7		
WCI	Wyandotte Cave	96.97	52	P	P	09 13 51.2 0.0		
WCI	Wyandotte Cave	96.97	52	P	P	09 13 51.0 -0.9		
WCI	comp=Z,87nm,1.4s							
W50A	Signal Mountai	97.01	56	Iamb	Iamb	09 13 57.6		
W50A	comp=Z,162nm,1.1s							
W50A	comp=Z,42um,21.0s			IAMs_20	IAMs_20	09 51 54.3		
W50A	Signal Mountai	97.01	56	P	P	09 13 51.2 -0.4		
W50A	baz=256,SNR=45			S	S	09 25 14.4 -0.3		
BLO	Bloomington	97.03	51	IAMs_20	IAMs_20	09 50 21.4		
BLO	comp=Z,33um,21.0s							
JAMC	Jamundi, Valle	97.13	89	eP	Pdif	09 13 53.5 +0.6		
X51A	Calhoum	97.23	56	Iamb	Iamb	09 13 53.3		
X51A	comp=Z,289nm,1.4s							
X51A	Calhoum	97.23	56	P	P	09 13 52.3 -0.1		
X51A	baz=256,SNR=38			S	S	09 25 16.5 0.0		
X51A	baz=256			S	S	09 25 16.5 0.0		
X51A	baz=256			S	S	09 25 16.5 0.0		
GTA	Gaotai	97.32	309	eP	Pdif	09 13 53.9 +0.9		
GTA	comp=Z,2um,5.1s							
GTA	comp=Z,9um,22.2s			LR	LR			
GTA	comp=Z,22um,21.5s			LR	LR			
GTA	comp=Z,30um,24.7s			LR	LR			
AF01	San Pedro de A	97.37	116	IAMs_20	IAMs_20	09 51 15.1		
AF01	comp=Z,28um,18.0s							
H43A	Windswept, Lux	97.41	46	IAMs_20	IAMs_20	09 54 01.1		
H43A	comp=Z,5um,19.0s							
H43A	Windswept, Lux	97.41	46	P	P	09 13 52.6 -0.4		
H43A	baz=256			S	S	09 25 12.8 -4.7		
PB08	IPOC Station P	97.45	113	P	Pdif	09 13 54.7 +0.3		
PB08	comp=Z,148nm,1.4s							
F42A	Maple Grove Fa	97.47	45	Iamb	Iamb	09 25 29.0 +9.2		
F42A	comp=Z,390nm,1.6s							
F42A	Maple Grove Fa	97.47	45	P	P	09 13 53.2 -0.1		
F42A	baz=256			S	S	09 25 12.8 -4.7		
D41A	Chassel	97.51	43	IAMs_20	IAMs_20	09 51 08.6		
D41A	comp=Z,63um,21.0s							
D41A	Chassel	97.51	43	P	P	09 13 53.2 -0.2		
D41A	baz=256,SNR=19			S	S	09 25 19.7 -0.9		
IRK	Irkutsk	97.51	322	eP	P	09 13 53.1 -0.2		
IRK	comp=Z,3um,19.0s							
CAMR	Camarioca	97.53	68	IAMs_20	IAMs_20	09 49 24.5		
CAMR	comp=Z,41um,22.0s							
TIGA	Titton	97.54	60	P	Pdif	09 13 56.3 +2.3		
TIGA	baz=257			S	S	09 25 18.8 -0.4		
TIGA	Titton	97.54	60	S	S	09 25 19.7 +0.5		
ZAK	Zakamensk	97.63	320	eP	Pmax	09 13 53.3 -0.7		
ZAK	comp=Z,56nm,1.5s							
Y0T0	Yotoco, Valle	97.64	88	eP	Pdif	09 13 55.4 +0.4		
FLOCT	Florence	97.69	90	eP	Pdif	09 13 55.5 +0.3		
FLOCT	Cooper Cave	97.70	55	Iamb	Iamb	09 14 00.6		
CPCT	comp=Z,35um,20.0s			IAMs_20	IAMs_20	09 53 24.4		
Y52A	Liburn	97.70	57	IAMs_20	IAMs_20	09 52 12.7		
Y52A	comp=Z,46um,21.0s							
Y52A	Liburn	97.70	57	P	Pdif	09 13 54.8 +0.1		
Y52A	baz=257,SNR=29			S	S	09 13 54.8 +0.1		
Y52A	baz=257			S	S	09 25 19.7 -0.9		
Y52A	baz=257			S	S	09 25 19.7 -0.9		
T50A	Nancy	97.81	54	IAMs_20	IAMs_20	09 51 42.3		
T50A	comp=Z,32um,20.0s							
T50A	Nancy	97.81	54	P	P	09 13 54.5 -0.5		
T50A	baz=257			S	S	09 25 19.4 -1.9		
T50A	baz=257			S	S	09 25 19.4 -1.9		
R49A	Shelbyville	97.85	53	Iamb	Iamb	09 13 59.7		
R49A	comp=Z,138nm,1.2s							
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	baz=257,SNR=22			S	S	09 25 22.2 +0.7		
R49A	baz=257			S	S	09 25 22.2 +0.7		
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	comp=Z,45um,20.0s							
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	baz=257,SNR=22			S	S	09 25 22.2 +0.7		
R49A	baz=257			S	S	09 25 22.2 +0.7		
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	comp=Z,3um,19.0s							
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	baz=257,SNR=22			S	S	09 25 22.2 +0.7		
R49A	baz=257			S	S	09 25 22.2 +0.7		
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	comp=Z,45um,20.0s							
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	baz=257,SNR=22			S	S	09 25 22.2 +0.7		
R49A	baz=257			S	S	09 25 22.2 +0.7		
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	comp=Z,3um,19.0s							
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	baz=257,SNR=22			S	S	09 25 22.2 +0.7		
R49A	baz=257			S	S	09 25 22.2 +0.7		
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	comp=Z,3um,19.0s							
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	baz=257,SNR=22			S	S	09 25 22.2 +0.7		
R49A	baz=257			S	S	09 25 22.2 +0.7		
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	comp=Z,3um,19.0s							
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	baz=257,SNR=22			S	S	09 25 22.2 +0.7		
R49A	baz=257			S	S	09 25 22.2 +0.7		
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	comp=Z,3um,19.0s							
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	baz=257,SNR=22			S	S	09 25 22.2 +0.7		
R49A	baz=257			S	S	09 25 22.2 +0.7		
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	comp=Z,3um,19.0s							
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	baz=257,SNR=22			S	S	09 25 22.2 +0.7		
R49A	baz=257			S	S	09 25 22.2 +0.7		
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	comp=Z,3um,19.0s							
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	baz=257,SNR=22			S	S	09 25 22.2 +0.7		
R49A	baz=257			S	S	09 25 22.2 +0.7		
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	comp=Z,3um,19.0s							
R49A	Shelbyville	97.85	53	P	P	09 13 55.1 -0.1		
R49A	baz=257,SNR=22			S	S	09 25 22.2 +0.7		

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like RG N, MAZ, DSB, AKDM, etc.

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

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

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

IDC 04 09:00:58.0, 0.9, 4.30S, 77.62W, h0km, mb3.7/5, mbtmp3.8/11, ML3.5/6, MS3.2/2, Error ellipse: s-maj=25.8km s-min=13.9km az=76.0

NEIC 04 09:01:05.0, 1.8, 4.51S, 0.06x77.87W, 0.08, h46km, 15km, mb4.1/11, Error ellipse: s-maj=12.1km s-min=7.6km az=72.0

ISC 04 09:01:04.0, 0.6, 4.48S, 0.05x77.55W, 0.08, h35km, n54, 25.27/54, mb3.8/7, Northern Peru

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

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

NNC 04 09:02:21.6, 1.9, 4.17N, 77.87E, h0km, mb3.0, mpv2.8, Error ellipse: s-maj=14.6km s-min=6.9km az=177.0, Suspected Mining explosion.

SOME 04 09:02:21.0, 4.1, 82N, 78.05E, h5km, KRNET 04 09:02:22.7, 0.1, 4.20N, 0.07x78.10E, h12km, mb2.0

ISC 04 09:02:53.2, 1.4, 4.20N, 0.07x78.10E, h0km, n14, 0.96N/21, 8C-2D, Kyrgyzstan-Xinjiang border region

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

ROM 04 09:20:42.8, 0.0, 4.2720N, 0.0003x13.253E, 0.005, h11km, ML1.9/24, Error ellipse: s-maj=0.4km s-min=0.2km az=63.0, Central Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARQUATA, T1214, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NRCA, MMT01, LNSS, etc.

IDC 04 09:24:19.5, 1.6, 2.30N, 126.62E, h0km, mb3.8/5, mbtmp3.8/5, Error ellipse: s-maj=165.2km s-min=19.6km az=65.0

DJA 04 09:24:26.0, 0.6, 3.3N, 3x12.7E, h28km, 6km, M4.0/8, mb4.0/3, MLV4.0/8

ISC 04 09:24:25.9, 1.1, 2.7N, 0.1x127.0E, 0.1, h53km, n13, 2542/14, mb3.9/5, Northern Molucca Sea

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

DJA 04 09:24:26.5, 0.8, 0.8N, 7x12.2E, h178km, 6km, M2.7/5, MLV2.7/5, Minahasa Peninsula, Sulawesi

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

IDC 04 09:27:39.7, 0.5, 2.1745N, 169.18E, h0km, mb5.1/22, mbtmp5.2/25, ML4.2/2, Error ellipse: s-maj=13.9km s-min=12.9km az=173.0

BUI 04 09:27:39.2, 0.0, 2.140S, 169.66E, h8km, mb5.3/54, mb6.0/6, Ms7.7/2, Ms7.5/8/1

MOS 04 09:27:40.2, 0.1, 0.2178S, 169.00E, h10km, mb5.6/33, Error ellipse: s-maj=9.8km s-min=7.8km az=45.0

NOU 04 09:27:42.3, 2.1, 61S, 168.95E, h0km, mb5.3/98, Loyalty Islands

NEIC 04 09:27:42.2, 2.1, 0.9S, 168.12E, h26km, Moment Tensor Solution, Duration: 280 Moment tensor: Scale 1018Nm, M1=3.73, M2=3.32, M3=0.41, M4=0.86, M5=3.94, M6=7.88, Fault plane solution: Mw 4.8000x10^16 NP1:

Principal axes: T 8.9244, P1g28.0000, Azm231.0000; N 1.1184, P1g26.0000; Azm336.0000; P -1.0427, P1g50.0000, Azm102.0000; NEIC 04 09:27:42.2, 2.1, 79S, 168.98E, h26km, NEIC 04 09:27:43.7, 1.8, 2.1, 80S, 0.07x168.90E, 0.06, h16km, 1km, Ms5.6/168, Mmw5.3/7, Error ellipse: s-maj=9.6km s-min=8.4km az=170.0

BTO	Baotou	82.76	319	eP	P	09 40 08.1	+2.2
BTO				pP	pwP	09 40 16.1	-1.5
BTO				sP	sP	09 40 19.6	+5.6
BTO				pp	pp	09 43 21.4	+5.0
BTO				S	SS	09 50 22.6	-0.3
BTO				SS	SS	09 55 46.2	+0.1
BTO				pmax	pmax		
HIA	comp=Z,42nm,1.0s	83.14	330J	eP	P	09 40 07.8	+0.2
HIA				pmax	pmax		
MND	Mandalay	83.32	297	P	P	09 40 09.4	+0.3
ZEZ	Zeya	83.33	337	P	P	09 40 09.3	+0.9
ZEZ				pmax	pmax		
ZEZ	comp=N,10.0nm,1.6s						
ELIB	Princess Elisa	83.69	190	dP	P	09 40 09.1	-1.3
ELIB				dP	PP	09 43 26.4	+3.7
SII	Sitkinak Islan	83.90	19	P	P	09 40 10.7	-0.6
R17K	Ugashik Creek	84.15	18	P	P	09 40 12.1	-0.4
LZH	Lanzhou	84.24	312	eP	P	09 40 16.0	+2.3
LZH				pP	pP	09 40 20.3	+0.7
LZH				sP	pwP	09 40 22.7	-2.1
LZH				pmax	pmax		
O14K	Tiguyakuiwet M	84.28	15	P	P	09 40 13.1	0.0
R18K	Karluk	84.66	19	P	P	09 40 14.2	-0.9
N14K	Kuskokwak Cree	84.78	14	P	P	09 40 15.5	-0.1
Q17K	Contact Creek	84.83	18	P	P	09 40 15.1	-1.0
Q16K	King Salmon	84.96	17	P	P	09 40 16.0	-0.6
O16K	Kokwok River B	85.37	16	P	P	09 40 17.7	-0.9
N15K	Kwethluk River	85.37	15	P	P	09 40 18.4	-0.2
SEY	Seymchan	85.38	352J	eP	P	09 40 17.1	-1.5
SEY				pmax	pmax		
Q18K	Katmai Hardscr	85.40	18	P	P	09 40 18.3	-0.7
KDAK	Kodiak Island	85.41	19	P	P	09 40 18.0	-0.8
M14K	Bethel	85.46	14	P	P	09 40 18.9	-0.1
P17K	Kvichak River	85.46	17	P	P	09 40 18.5	-0.6
M15K	Kasigluk River	85.70	14	P	P	09 40 20.3	+0.1
O17K	Koliganek Bris	85.78	16	P	P	09 40 20.0	-0.7
L14K	Kuka Creek	85.83	13	P	P	09 40 20.6	-0.3
N16K	Nishik Lake	85.96	15	P	P	09 40 21.6	+0.1
P18K	Big Mountain,	85.96	17	P	P	09 40 20.8	-0.8
K13K	Kusiyak Mount	85.97	12	P	P	09 40 21.3	-0.2
TROLL	Troll, Antarti	86.08	184	J	P	09 40 21.3	-1.0
O18K	Koktuh Hills	86.36	17	P	P	09 40 23.3	-0.2
L15K	Ungalak Mounta	86.39	14	P	P	09 40 23.7	+0.1
M16K	Timber Creek	86.39	15	P	P	09 40 23.7	+0.1
NVL	N'Wazarevskaya	86.40	187	eP	P	09 40 24.0	+0.2
NVL				pmax	pmax		
N17K	Nushagak Hills	86.40	16	P	P	09 40 23.9	+0.2
N18K	Kilae Creek	86.87	16	P	P	09 40 25.4	-0.7
L16K	Owhat River	86.87	14	P	P	09 40 26.0	0.0
O19K	Port Alsworth	86.89	17	P	P	09 40 25.2	-0.8
J14K	Nanvaranak Lak	86.93	12	P	P	09 40 26.8	+0.6
K15K	Wolf Creek Mou	86.93	13	P	P	09 40 26.8	+0.5
M17K	Hoitna River	87.09	15	P	P	09 40 27.5	+0.4
SNCC	San Nicolas Is	87.28	53	P	P	09 40 27.9	-0.8
VNA3	Neumayer Olymp	87.30	180	J	P	09 40 26.5	-1.7
L17K	Donlin	87.52	15	P	P	09 40 30.1	+0.9
SCZ2	Santa Cruz Isl	87.55	52	P	P	09 40 29.9	-0.1
BRSE	Bradley Lake S	87.56	19	P	P	09 40 30.3	+0.9
M18K	Stony River	87.58	16	P	P	09 40 30.3	+0.9
KMPM	Mount Pierce	87.60	45	P	P	09 40 30.8	+0.6
SBC	Santa Barbara	87.70	52	P	P	09 40 30.6	0.0
PKM	McPherson Peak	87.84	51	P	P	09 40 31.4	-0.2
VNA1	Neumayer-Stat	87.88	181	J	P	09 40 29.8	-1.1
SMCC	Simmler	87.91	51	P	P	09 40 32.3	+0.6
L18K	Granite Mounta	87.98	15	P	P	09 40 32.2	+0.9
K17K	Iditarod	88.02	14	P	P	09 40 31.7	+0.2
CIS	Catalina Islan	88.17	53	P	P	09 40 32.2	-0.7
M19K	Big River Lodg	88.30	16	P	P	09 40 33.6	+0.7
N20K	Mount Spurr	88.31	18	P	P	09 40 32.5	-0.5
SPCR	Spurr Chakacha	88.31	18	P	P	09 40 32.6	-0.4
KRMB	Red Mountain	88.31	44	I	Amb	09 40 34.6	
SHL	Shillong	88.35	298	I	Amb	09 40 35.4	
FMP	Fort Macarthur	88.40	53	P	P	09 40 33.4	-0.6
L19K	White Mountain	88.41	16	P	P	09 40 33.3	-0.1
OSI	Osito Audit: C	88.50	52	P	P	09 40 33.8	-0.7
DECC	Green Verdugo	88.62	52	P	P	09 40 34.7	-0.4
ARVC	Arvin	88.66	51	P	P	09 40 35.3	+0.1
GTA	Gaotai	88.68	314	eP	P	09 40 36.5	+1.1
GTA				pP	pP	09 40 41.2	-0.1
GTA				pwP	pwP	09 40 44.4	-2.0
GTA				pmax	pmax		
PASC	Pasadena Art C	88.69	52	I	Amb	09 40 35.8	
ULN	Ulanbaatar	88.73	324	P	P	09 40 36.2	+0.8
ULN	Ulanbaatar	88.73	324J	dP	P	09 40 36.2	+0.8
ULN				pmax	pmax		
TTA	Tatalina	88.75	15	P	P	09 40 35.6	+0.6
CCX	Cicese	88.79	55	I	Amb	09 40 36.7	
VES	Vestral, Richgr	88.81	51	P	P	09 40 35.6	-0.3
VOG	Valley Oaks Go	88.82	50	P	P	09 40 35.8	-0.1
L02F	Cave Junction	88.83	43	I	Amb	09 40 38.1	
G15K	Niukuk	88.88	11	P	P	09 40 35.9	+0.4
H16K	Elim	88.89	12	P	P	09 40 35.9	+0.4
L20K	Farewell, AK	88.91	16	P	P	09 40 35.5	-0.2
109C	Camp Elliot, M	88.92	54	P	P	09 40 36.4	0.0
109C				I	Amb	09 40 37.1	

109C	comp=Z,38nm,1.1s	88.92	54	P	P	09 40 35.8	-0.6
CMB	Camp Elliot, M	88.92	54	P	P	09 40 35.8	-0.6
RC01	Columbia Colle	88.93	48	I	Amb	09 40 37.2	
RC01				I	Amb	09 40 37.2	
R301	Rabbit Creek A	88.94	19	P	P	09 40 35.0	-0.9
SUA	Susitna One	88.94	18	P	P	09 40 35.0	-1.0
CBX	Cerro Bola	88.99	55	I	Amb	09 40 37.8	
ELS	Elsinore Mount	89.02	53	I	Amb	09 40 37.7	
J18K	Inoko River	89.04	15	P	P	09 40 35.5	-0.8
S0NM	Songino Array	89.08	323	P	P	09 40 37.7	+0.7
S0NM	Songino Array	89.08	323	P	P	09 40 37.7	+0.7
S0NM				pmax	pmax		
S0NM	comp=Z,75nm,1.2s	89.08	323	P	P	09 40 37.6	+0.6
S0NM	comp=Z,29nm,1.0s	89.11	53	P	P	09 40 36.9	-0.6
BFSC	Mount Baldy Ra	89.11	53	P	P	09 40 36.9	-0.6
BAR	Barrett	89.15	54	I	Amb	09 40 38.3	
EDW2	Edwards Air Fo	89.16	52	P	P	09 40 37.4	-0.2
YAK	Yakuts	89.16	343J	eP	P	09 40 36.1	-0.7
YAK				pmax	pmax		
ISA	comp=Z,27nm,1.7s	89.17	51	P	P	09 40 37.9	+0.3
ISA	Isabella, Lake	89.17	51	P	P	09 40 37.9	+0.3
MURC	Murrieta	89.17	53	P	P	09 40 37.6	-0.1
PWL	Port Wells	89.18	19	P	P	09 40 36.8	-0.2
YBH	Yreka Blue Hor	89.19	44	I	Amb	09 40 39.0	
VTX	Valle De La Tr	89.26	56	I	Amb	09 40 40.0	
ESJX	Sierra Juarez	89.26	55	I	Amb	09 40 40.2	
MONP	Monument Peak	89.43	54	P	P	09 40 39.0	-0.1
PMR	Palme	89.51	19	P	P	09 40 37.7	-0.8
IKP	In-Ko-Pah, Jac	89.56	55	P	P	09 40 39.9	+0.3
K20K	Telida	89.59	16	P	P	09 40 37.9	-1.0
MDPB	Devils Postpil	89.65	49	I	Amb	09 40 41.0	
LRMC	Laurel Mtn Rd	89.66	51	P	P	09 40 39.8	-0.3
OMMB	Old Mammoth M	89.70	49	I	Amb	09 40 42.2	
YUH	Yutha Desert	89.70	55	I	Amb	09 40 41.1	
PFO	Pinyon Flats O	89.72	54	J	P	09 40 40.6	+0.2
PFO	Pinyon Flats O	89.72	54	J	eP	09 40 39.7	-0.7
PFO				pmax	pmax		
TPFO	Pinon Flats	89.72	54	P	P	09 40 40.4	0.0
EYAK	Cordova Ski Ar	89.76	21	P	P	09 40 40.5	+0.8
I03D	Drain, OR	89.78	42	I	Amb	09 40 41.3	
PMD	Palm Desert	89.80	54	I	Amb	09 40 41.3	
CWC	Cottonwood Cre	89.81	50	P	P	09 40 41.0	+0.2
MLAC	Mammoth, Mam	89.82	49	P	P	09 40 41.4	+0.5
SML	Sawmill	89.92	19	P	P	09 40 41.6	+1.1
SWSC	Sam W. Stewart	89.92	54	P	P	09 40 41.3	+0.1
G17K	Kiwaliak Mounta	89.97	12	P	P	09 40 41.9	+1.4
TIN	Tinemaha, Big	89.98	50	P	P	09 40 42.0	+0.5
MPMC	Manual Prospec	90.06	51	P	P	09 40 42.1	+0.1
DIB	Dawson Inlet,	90.07	31	P	P	09 40 41.7	+0.4
DIB				I	Amb	09 40 42.7	
GSC	Goldstone, 1s	90.22	52	I	Amb	09 40 43.5	
GSC	Goldstone, Bar	90.22	52	P	P	09 40 42.6	0.0
BELC	Belle Mtn, Jos	90.24	53	P	P	09 40 42.8	0.0
SEC	Sheep Creek Mo	90.24	19	P	P	09 40 44.2	+2.2
HCM	Hector, Ludlow	90.35	52	P	P	09 40 43.2	0.0
BMRM	Bremner River	90.45	21	P	P	09 40 42.8	-0.2
QSM	Queen of Sheba	90.47	51	I	Amb	09 40 44.3	
BC3	Big Chukcawall	90.49	54	P	P	09 40 44.4	+0.4
NVAR	Mina Array Bea	90.56	49	P	P	09 40 44.1	-0.2
GRAC	comp=Z,19nm,0.8s	90.57	50	P	P	09 40 44.5	+0.3
GRAC	Greavine Rang	90.57	50	P	P	09 40 44.5	+0.3
GRAC	Susitna Watana	90.65	18	P	P	09 40 45.8	+1.9
NV11	Mina Array Sit	90.67	49	I	Amb	09 40 45.5	
FURC	Furnace Creek,	90.69	51	P	P	09 40 44.9	+0.2
GWY	Greenwater Val	90.71	51	I	Amb	09 40 45.5	
G18K	Tagagay	90.71	13	P	P	09 40 45.0	+1.0
GMN	Gold Mountain	90.78	50	I	Amb	09 40 46.0	
SLBS	Sierra La Lagu	90.78	65	P	P	09 40 46.1	+0.6
CRQE	Crque	90.80	21	P	P	09 40 44.9	+0.1
M24K	Tolsona, Glenn	90.81	19	P	P	09 40 45.2	+0.6
PLTX	Planet X, Gerl	90.83	46	I	Amb	09 40 46.4	
GMRC	Granite Mounta	90.83	53	P	P	09 40 45.2	-0.4
K05A	Summer Lake	90.85	44	I	Amb	09 40 46.7	
H19K	Roundabout Mou	90.86	14	P	P	09 40 44.8	+0.1
TUQ	Turquoise Moun	90.92	52	P	P	09 40 45.9	0.0
N25K	Chitina, Valde	90.93	20	P	P	09 40 44.7	-0.6
IRM	Iron Mountain	90.94	54	P	P	09 40 46.3	+0.4
KVN	Kaiserville	90.99	48	I	Amb	09 40 46.0	
H04A	Detroit Lake	91.00	42	I	Amb	09 40 47.2	
PIX	Pinacate	91.12	56	I	Amb	09 40 47.4	
CRAG	Craig	91.16	29	P	P	09 40 46.2	-0.2
H20K	Antoleneega Mo	91.18	14	P	P	09 40 45.5	-0.8
DHY	Denali Highway	91.19	18	P	P	09 40 46.1	-0.4
SIT	Sitka	91.21	27	P	P	09 40 46.2	-0.4
G19K	Purcell Mounta						

K27C	Chicken	93.49	19	P	P	09 40 56.4	-0.6
TUC	Tucson	93.51	57	P	I Amb	09 40 57.8	-0.1
TUC	Tucson	93.51	57	P	P	09 40 57.0	-0.9
TUC	Tucson	93.51	57	P	P max	09 40 57.8	-0.1
S34M	Telegraph Cree	93.52	28	P	P	09 40 56.7	+0.2
D20K	Elvuk River	93.55	12	P	P	09 40 56.7	-0.5
LCMT	Little Creek M	93.55	52	I Amb	I Amb	09 40 59.7	
M29M	Somme Creek	93.56	22	P	P	09 40 56.5	-1.0
PRP	Porcupine Dome	93.57	17	P	P	09 40 56.6	-0.9
Q32M	Nakina River	93.67	26	P	P	09 40 57.8	-0.4
CCUT	Cedar City	93.69	61	I Amb	I Amb	09 41 00.9	
WHY	Whitehorse	93.69	24	P	P	09 40 57.0	-1.2
COLD	Coldfoot	93.69	15	P	P	09 40 57.1	-0.7
X16A	Lo Mia Camp, P	93.84	55	I Amb	I Amb	09 41 01.3	
E21K	Kilik River	93.85	13	P	P	09 40 57.5	-1.1
N31M	Braeburn, Yuko	93.89	23	I Amb	I Amb	09 41 00.3	
N31M	Braeburn, Yuko	93.89	23	P	P	09 40 58.2	-0.7
G24K	Hadweenz Riv	93.95	16	P	P	09 40 58.2	-0.9
U15A	North Rim	94.01	52	I Amb	I Amb	09 41 02.3	
E22K	Anaktuvuk Pass	94.06	14	P	P	09 40 59.2	-0.3
I26K	Coal Creek Min	94.09	18	I Amb	I Amb	09 40 59.9	
I26K	Coal Creek Min	94.09	18	P	P	09 40 59.5	-0.2
L29M	L29M	94.13	21	I Amb	I Amb	09 41 00.9	
L29M	L29M	94.13	21	P	P	09 40 59.6	-0.3
P33M	Teslin, Yukon	94.21	25	P	P	09 41 00.0	-0.5
M30M	Minto, Yukon	94.23	22	I Amb	I Amb	09 41 00.3	
M30M	Minto, Yukon	94.23	22	P	P	09 40 59.1	-1.4
C21K	Knifblade Rid	94.28	12	P	P	09 41 00.4	-0.2
EGAK	Eagle	94.30	19	I Amb	I Amb	09 41 00.5	
EGAK	Eagle	94.30	19	P	P	09 40 59.8	-0.9
DLBC	Dease Lake	94.30	27	I Amb	I Amb	09 41 01.7	
DLBC	Dease Lake	94.30	27	P	P	09 41 00.9	-0.1
WUJZ	Wupatki	94.33	54	I Amb	I Amb	09 41 03.3	
WUJZ	Wupatki	94.33	54	P	P	09 41 01.1	-0.6
G25K	Bearman Lake	94.36	16	P	P	09 41 00.7	-0.2
DAWY	Dawson	94.36	20	P	P	09 41 00.2	-0.8
R33M	Jennings River	94.47	26	I Amb	I Amb	09 41 03.3	
R33M	Jennings River	94.47	26	P	P	09 41 01.5	-0.2
D22K	Aiyikay River	94.48	13	P	P	09 41 01.4	-0.1
F24K	Squaw Lake	94.48	15	P	P	09 41 01.3	-0.2
E23K	Chandalar	94.49	14	P	P	09 41 01.1	-0.5
N32M	Quiet Lake	94.69	24	P	P	09 41 01.8	-0.8
B21K	Ikpikpuq River	94.70	12	P	P	09 41 01.8	-0.6
I27K	Kandik River	94.75	18	P	P	09 41 01.9	-0.9
E24K	Your Creek	94.77	15	P	P	09 41 02.2	-0.6
K29M	Barlow Dome	94.82	21	P	P	09 41 02.8	-0.9
M31M	Druy Creek, Y	94.85	23	P	P	09 41 02.5	-0.8
TOLK	Tookik Lake Re	94.96	14	P	P	09 41 03.8	+0.1
D23K	Nanushuk River	94.98	14	P	P	09 41 04.1	+0.4
J29N	Klondike Camp	95.00	20	I Amb	I Amb	09 41 05.1	
J29N	Klondike Camp	95.00	20	P	P	09 41 03.6	-0.4
F25K	Christian River	95.10	16	P	P	09 41 04.1	-0.3
G26K	Porcupine River	95.11	17	P	P	09 41 04.2	-0.1
I28M	Miner Creek	95.14	19	I Amb	I Amb	09 41 04.5	
I28M	Miner Creek	95.14	19	P	P	09 41 03.9	-0.8
DUG	Dugway, Tooele	95.16	49	P	P	09 41 04.2	-1.2
MAYO	Mayo, Yukon	95.21	22	P	P	09 41 04.1	-0.8
H27K	Steamboat Moun	95.22	18	P	P	09 41 04.5	-0.4
FARO	Faro, Yukon	95.25	23	P	P	09 41 03.8	-1.4
W18A	Petrified Fore	95.41	54	I Amb	I Amb	09 41 07.4	
W18A	Petrified Fore	95.41	54	P	P	09 41 05.2	-1.5
HLID	Halley	95.46	45	P	P	09 41 06.0	-0.8
D24K	Happy Valley	95.53	14	P	P	09 41 05.9	-0.3
I29M	Ogilvie Camp	95.58	20	P	P	09 41 05.3	-1.3
G27K	Doyon Strip	95.59	18	P	P	09 41 06.3	-0.3
C23K	Itkiliik River	95.69	13	P	P	09 41 06.4	-0.5
J30M	Hart River	95.70	21	P	P	09 41 06.6	-0.6
121A	Cookes Peak, D	95.93	57	P	P	09 41 08.5	-0.7
C24K	Franklin Bluff	96.01	14	P	P	09 41 07.7	-0.7
I30M	Mount Dempster	96.10	20	P	P	09 41 07.4	-1.7
H29M	Whitestone	96.14	19	P	P	09 41 07.7	-1.4
E27K	Coleen River	96.58	17	P	P	09 41 10.6	-0.5
F28M	Old Crow	96.65	17	P	P	09 41 10.4	-1.0
G29M	Pine Creek	96.71	18	P	P	09 41 10.6	-1.1
EPYK	Eagle Plains	96.74	19	P	P	09 41 10.9	-1.0
TGNT	Hyland Airport	96.79	25	P	P	09 41 11.7	-0.5
TIXI	Tiksi	97.11	348f	eP	P	09 41 11.8	-1.5
G30M	toah Zrai Nji	97.29	19	P	P	09 41 13.6	-0.7
E28M	Babbage River	97.43	17	P	P	09 41 14.5	-0.4
D27M	Malcolm River	97.49	16	P	P	09 41 15.5	-0.2
MNTX	Cornudas Mount	97.53	59	P	P	09 41 15.0	-1.2
E29M	Blow River	97.73	17	P	Pdf	09 41 16.8	+0.6
F30M	Barrier River	97.83	19	P	P	09 41 16.7	0.0

ANMO	Albuquerque	97.84	56	P	P	09 41 17.0	-0.7
ANMO	Albuquerque	97.84	56f	P	P	09 41 17.3	-0.5
G31M	Satah River	97.85	19	P	P	09 41 16.0	-0.7
BOXR	Lajitas Array	98.09	62	P	P	09 41 18.2	-0.7
TXAZ	Bozeman (W)	98.10	44	P	P	09 41 17.6	-1.0
F31M	Tsigitehchic	98.33	19	P	P	09 41 18.3	-0.6
O20A	White River Ci	98.38	50	P	P	09 41 20.1	0.0
BW0T	Boulder Array	98.41	47	P	P	09 41 20.5	+0.3
PDAR	Pinedale Array	98.41	47	P	Pdf	09 41 20.6	+0.4
PDAR	Pinedale Array	98.41	47	P	P	09 41 20.6	+0.4
S22A	4UR Ranch, Cre	98.55	53	P	P	09 41 20.5	-0.6
WMQ	Urumqi	98.77	314	eP	P	09 41 22.4	+0.8
INK	Inuvik	98.93	18	P	P	09 41 20.9	-0.7
DGZ	Jazzator, Alta	101.05	319f	eP	Pdf	09 41 22.0	-2.7
DGZ	Jazzator, Alta	101.05	319f	P	Pmax	09 41 22.0	-2.7
MKAR	Makanchi Array	103.36	315	Pdf	Pdf	09 41 42.0	+0.2
MKAR	Makanchi Array	103.36	315	P	P	09 41 42.0	+0.2
ZALV	Zalesovo Beam	103.96	323	Pdf	Pdf	09 41 44.4	+0.1
ZALV	Zalesovo Beam	103.96	323	P	P	09 41 44.4	+0.1
KURB	Kurchatov Arr	106.78	318	P	P	09 46 06.4	-0.6
KURB	Kurchatov Arr	106.78	318	P	P	09 46 06.4	-0.6
MIAR	Mount Ida	107.83	59	P	P	09 46 09.8	+0.3
MIAR	Mount Ida	107.83	59	P	P	09 46 09.8	+0.3
BVAR	Borovoye Array	112.18	320	Pdf	Pdf	09 42 22.1	+1.2
BVAR	Borovoye Array	112.18	320	P	P	09 42 22.1	+1.2
BVAR	Borovoye Array	112.18	320	P	P	09 46 16.9	-0.3
BRVK	Borovoye	112.25	320f	P	P	09 46 16.9	-0.3
BRVK	Borovoye	112.25	320f	P	P	09 46 16.9	-0.3
P52A	Corning	117.73	56	P	P	09 46 28.7	+0.5
P52A	Corning	117.73	56	P	P	09 46 28.7	+0.5
ABKR	Akbulak array	118.50	315	P	P	09 46 28.9	-0.5
ARU	Arti	119.11	323	P	P	09 46 30.0	-0.3
ARU	Arti	119.11	323	P	P	09 46 30.0	-0.3
ARU	Arti	119.11	323	P	P	09 47 51.9	
ARU	Arti	119.11	323	P	P	09 53 42.0	
ARU	Arti	119.11	323	P	P	10 04 11.5	+1.3
GEYT	Alibek	119.19	302	P	P	09 46 31.2	+0.1
GEYT	Alibek	119.19	302	P	P	09 46 31.2	+0.1
GEYT	Alibek	119.19	302	P	P	09 46 30.9	-0.2
GEYT	Alibek	119.19	302	P	P	09 46 30.9	-0.2
PTLB	Pontes e Lacer	124.00	124	P	P	09 46 31.9	-1.4
NEEM	North Greenlan	120.96	9	P	P	09 46 30.4	-3.3
SPITS	Spitsbergen Ar	122.02	354	P	P	09 46 34.6	-0.8
SPITS	Spitsbergen Ar	122.02	354	P	P	09 46 34.6	-0.8
KIRV	Kirov	124.64	327d	P	P	09 46 39.3	+0.2
KIRV	Kirov	124.64	327d	P	P	09 46 39.3	+0.2
PRGR	Pergomere	125.39	31	P	P	09 46 39.8	-1.7
PRGR	Pergomere	125.39	31	P	P	09 46 39.8	-1.7
DAG	Danmarks Havn	124.75	2	P	P	09 46 38.4	-2.2
BELG	Belogoronye	125.99	320	P	P	09 46 43.6	0.0
ARCES	ARCES Array B	127.39	345	P	P	09 46 45.3	-0.5
ARCES	ARCES Array B	127.39	345	P	P	09 46 45.3	-0.5
KLMR	Klimovskoe	127.61	332	P	P	09 46 45.0	-1.5
KLMR	Klimovskoe	127.61	332	P	P	09 46 45.0	-1.5
KLMR	Klimovskoe	127.61	332	P	P	09 46 44.9	-1.5
KLMR	Klimovskoe	127.61	332	P	P	09 46 44.9	-1.5
BDFB	Brasilia	128.06	132	P	P	09 46 47.9	-1.0
BDFB	Brasilia	128.06	132	P	P	09 46 48.1	-0.8
GNI	Garni	129.63	305f	P	P	09 46 52.2	+0.2
GNI	Garni	129.63	305f	P	P	09 46 52.2	+0.2
VRH	Novokhoporsky	129.83	319	P	P	09 46 51.4	+0.4
VRH	Novokhoporsky	129.83	319	P	P	09 46 51.4	+0.4
DY2G	Zey	129.90	18	P	P	09 46 46.4	-4.6
ZEI	Tsey	130.01	308	P	P	09 46 46.1	-4.6
ZEI	Tsey	130.01	308	P	P	09 46 46.1	-4.6
NCK	Nalchik	130.14	309f	P	P	09 46 51.2	-0.7
AKH	Akhalkalaki	130.47	306	P	P	09 46 54.8	+1.2
AKH	A						

4d 9h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BFO Black Forest, DAVA Damuels, FUORN Otenpass-Fuorn, etc.

KLM 04 09:32:11.2:33S:139:87E, h10km, mb5.2
IDC 04 09:32:16.6:0.5, 2:03S:138:86E, h0km, mb4.6/1.5
mtbtp4.6/19, ML4.9/3, MS5.7/1, Error ellipse: s-maj=19.0km s-min=9.0km az=91.0

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GENI Genyem, JAY Jayapura, FAKI Fak Fak, etc.

2017 NOV

Main station list table for 2017 NOV with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RMQ Roma, MBWA Marble Bar, PSA00 Pilbara Seismi, etc.

280

Main station list table for 280 with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TARG Taragay, KPKS Kokek, SATY Saty, etc.

IDC 04 09:51:12.5:0.6, 37:92N:21:44E, h0km, mb4.2/1.9
mtbtp4.0/33, ML3.8/1.4, Error ellipse: s-maj=12.3km
s-min=10.6km az=20.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RLS Riols of Part, RLS Riols of Part, etc.

Table with columns: LHV, MDCM, DONR, NV08, MINS, NV08, MDPB, MDPB, MDPB, NVAR, MMLB, MEMM, MMPM, MRDM, MCSM, OMMB, MCBM, MLHM, MLCM, PEAR, MDRNC, BABR, NV11, NV11, NV11, AFDM, AFDM, AFDM, PAHR, PAHR, BENR, LOY, MRCK, KCC, KVN, MCDM, BEKR, MTUM, MRBM, BHRP, BMRR, OHCM, OWYM, MTOS, DSP, PAM, OSTM, CSTL, CBSNC, ORV, ORV, ORV, SKWR, CMPM, NDHM, CMHM, BZSL, CMOB, OSUM, OGOM, TPH, MZP, WENL, ARN, CMLM, SLD, CTAM, CVLM, MHC, NBPM, PACP, CALM, BGC, ROLM, Niles, HFEM, PLTX, CSLM, LCHM, PWMM, BKS, JLAB, VAK, HLM, BAVM, GFC, NMTM, MNRC, CVS, BBGB, MRHM, PDRM, SAO, SAO, SAO, JSFB, FRP, HJGM, JCHM, NHSM, JBMM, LRDM, JRSC, ODE, JCHM, SPGZ, GSGM, GDXM, LDBM, SGV, MCCM, R11B, S11A, GWY, BCH, PRN, ELK, NJQ

Table with columns: SFK, OHH, DRK, DRK, ARSB, ARLS, ARLS, NRN, BTRK, NRN, BTK, AML, AML, AML, AML, ARK, ARK, ARK, TRKS, TRKS, AAK, AAK, EKS2, EKS2, EKS2, MNAS, MNAS, KBK, KBK, BOOM, BOOM, MRKS, MRKS, CHMS, CHMS, TKM2, TKM2, TKM2, USP, USP, USP, KST, KST, KST, DGS, DGS, DGS, DGS, SGDS, SGDS, MTBS, MTBS, MTBS, IUG, IUG, TNSS, TNSS, TNSS, TNSS, MDOK, MDOK, MDOK, KRBS, KRBS, KRBS, KOTS, KOTS, KOTS, KOTS, KK31, KK31, KK31, KKAR, KKAR, KKAR, KUU, KUU

Table with columns: KUU, CHKK, CHKK, CHKK, UZB, UZB, UZB, UZB, KPKS, KPKS, KPKS, BTLS, BTLS, BTLS, PDGK, PDGK, BLB, BLB, KNOS, KNOS, AB31, AKTO

NOU 04 11:14:50.0, 21.68S; 170.01E, h0km, MLv4.6/8, Southeast of Loyalty Islands
IDC 04 11:15:09.2, 1.21, 21.69S; 169.16E, h0km, mb3.8/7, mbtmp3.8/8, ML3.6/1, Error ellipse: s-maj=42.0km s-min=21.0km az=162.0
NEIC 04 11:15:01.7, 0.9, 21.71S; 0.08, 169.1E; 0.1, h10km, 2km, mb4.4/7, Error ellipse: s-maj=17.8km s-min=12.3km az=64.0
ISC 04 11:15:04.9, 0.8, 21.75S; 0.08, 169.10E; 0.09, h35km, n40, 0.09141, mb4.3/11, Southeast of Loyalty Islands

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

IDC 04 11:13:39.5, 1.6, 16.12N; 120.70E, h0km, mb3.3/3, mbtmp3.4/4, ML4.0/1, Error ellipse: s-maj=192.2km s-min=25.6km az=75.0, Luzon

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

IDC 04 11:29:35.3, 12.0, 36.97N; 69.77E, h0km, mb3.2, mpv3.0, Error ellipse: s-maj=134.0km s-min=86.4km az=138.0
ISC 04 11:13:31.4, 1.2, 36.4N; 0.1, 70.0E; 0.1, h213km, n11, 0.2503/14, mb3.1/3, 1C-2D, Hindu Kush region

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

IDC 04 11:28:30.4, 3.7, 36.33N; 69.94E, h208km, 32km, mb2.9/4, mbtmp3.6/8, Error ellipse: s-maj=41.2km s-min=23.4km az=155.0

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AB31 Akbulak array, AKTO Aktyubinsk, ZALV Zalesov Beam, SONM Songino Array, ILAR Eielson Array, ASAR Alice Springs.

NOU 04 11:29:40.2, 37.99S, -176.37E, h224km, MLV3.8/12, North Island, New Zealand
WEL 04 11:29:45.1, 1.3, 38.8, -17.6E, h176km, 11km, M3.4/84, ML2.4/7, MLV3.4/94, Error ellipse: s-maj=0.0km s-min=0.0km az=42.3, confirmed
ISC 04 11:29:39.7, 2.0, 37.97S, -108.17631E, 0.07, h218km, 11km, n160, e187/165, North Island

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Lists numerous stations including KARZ Kaharoa, LIRZ Lichensteins R, OMRZ Omania, NGRZ Ngongotaha, MKRZ Makatiti, UTU Utuhina, PRZ Ohinepanea, TGRZ Tauranga, HLHZ Highlands Stat, MARZ Manawate, KMRZ Kaimai, TARZ Mount Tarawera, HSRZ Hossack Road, EDRZ Edgecumbe, RRRZ Republican Roa, GRRZ Galatos Road, HNRZ Handkoff Road, PRRZ Plateau Road, WPRZ Whakapapatarin, ALRZ Allen Road, MUGZ Murupara, KUTZ Kaahu Road, ARAZ Aratatiaua Land, TOZ Tauhara Road, POIZ Poihipi, URZ Urewera, TLZ Tolley Road, THQZ Tauhara North, WHTZ Whakaora, RTZ Ruatuhuna, WATZ Wairara, MRHZ Matea Rd, MTHZ Maungataniwha, RATZ Rangitukia, RAGZ Rawiri, MWZ Matawai, RITZ Rihia Road, RUGZ Raukumara Rang, KATZ Kakarama, RAHZ Arahui, SNGZ Shannon Statio, HAZ Te Kaha, NMHZ Naumai, BKZ Black Stump Fm, BKZ Black Stump Fm, NTHZ North Tongariri, KRZV Karewarewa, TMVZ Te Maari, MKAZ Moumakai, ETVZ East Tongariri, WTVZ West Tongariri, NNWZ North Ngauruhoe, OTVZ Oturere, KUZ Kuaotunu, KUZ Kuaotunu, TKGZ Te Karaka, SNVZ South Ngauruho, WHHZ Waihua, NKPZ Ngauruhoe, TWGZ Tauwhareparae, RIGZ Rihimau, COVZ Chateau Obsrv, TUKZ Tukino, PKGZ Pakihiroa, ARHZ Aroapanui, FWWZ Far West T-bar, MAVZ Matarangi, WHVZ Whangaehu Hut, TRVZ Turua, KWHZ Kaweka Forest, WNVZ Wahianoa, ETAZ East Tamaki Re, WIAZ Waiheke Island, MOVZ Mowhango, KNZ Kokohu, MCHZ McNeill Hill, PKVZ Pokaka, BHHZ Black Hill Sta, PUZ Pukekete, MTHZ Mangateitei, PRGZ Paritutu Road, CNGZ Carnagh Statio, AWAZ Awitahi Peninsula, MWZ Matakaoa Point, MWZ Matakaoa Point, MBSZ Motutapu, WMGZ Waiomatatini S, KRHZ Kereru, VRZ Vera Road, MHGZ Mahia Peninsula, CKHZ Cape Kidnapper, ABAZ Army Bay, KAHZ Kahuranaki, PNHZ Pukenui, WAZ Wanganui, WPHZ Waipukurau, PKZ Pukaruru, TSZ Takapari Road, NEZ North Egmont, PKE Pukeiti, KHEZ Kahui Hut, KRHZ Kahui Hut, PRHZ Porangaua, DVHZ Dannevirke, OHWZ Ohakea, POWZ Post Office Ro, ANWZ Angora Road, WCVZ Waipua Caves, PRWZ Porirua Road, BFZ Birch Farm, BFZ Birch Farm, MRZ Mangatainoka R, OGWZ Otaki Gorge, HOWZ Holdsworth Sta, KIW Kapiti Island, TMWZ Te Maipa, MTW Mount Morrison, CAW Cannon Point, DIWZ D'Urville Isla, TRVZ Traveller, PAWZ Paruwai Farm, SNZO South Karori, TCW Tory Channel, BHW Baring Head, PLWZ Palliser, TUWZ Tuamarina.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NNZ Nelson, TKNZ Takaka Hill, QRZ Quartz Range, QRZ Quartz Range, BSWZ Blackbirch Sta, NZRZ Newmarket Terra, THZ Tophouse, KHZ Kahutara, DSZ Denniston Nort, GVZ Greta Valley S, LKZ Lake Taylor, AMCZ Amberley, INZ Inchbonnie, OKCZ Okains Bay, OXZ Oxford, MOZ Queen's Vall, AKCZ Akaroa Harbour, RACZ Rakaia, MHCC Mount Hutt, WACZ Wakamui South, RFPZ Rata Peaks, RPTZ Rata Peaks, ARCZ Arundel, FOFZ Fox Glacier, TMZ Timaru, LBZ Lake Benmore, ODZ Otatutu Downs, ODZ Otatutu Downs, JCZ Jackson Bay, JCZ Jackson Bay, WKCZ Wanaka, EAZ Earnsclough.

BUI 04 12:18:21.3, 0.0, 15.08S, -173.08W, h7km, mb4.9/18, mb5.7/12, Ms5.2/3, Ms7.5/14
IDC 04 12:18:21.9, 0.5, 15.08S, -173.47W, h0km, mb4.5/14, mbmp4.5/14, MS4.7/7, Error ellipse: s-maj=24.1km s-min=15.5km az=125.0
MOS 04 12:18:22.2, 2.3, 14.95S, -172.95W, h10km, mb5.1/24, Error ellipse: s-maj=13.2km s-min=8.5km az=55.7
NEIC 04 12:18:22.0, 1.3, 15.02S, -172.84W, h10km, 1km, mb5.1/87, Error ellipse: s-maj=15.5km s-min=9.2km az=129.0

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Lists numerous stations including AFI Afiamalu, AFI Afiamalu, AFI Afiamalu, NIUE Niue, TAVE Taveuni, MSVF Nonsavu, YSA Yasawairara, PINNC Pines Island, QUENC Ouen Island, QUENC Ouen Island, DZM Mont Dzumac, DZM Mont Dzumac, ONTNC Ouen Toro, OUZ Omahuta, URZ Urewera, BKZ Black Stump Fm, QRZ Quartz Range, JCRZ Jackson Bay, H1S2 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, KIP Kipapa, CNB Canberra Magne, H1N3 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N2 WAKE ISLAND Hy, CMSA Cobar Meteorol, TOO Toolangi, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, LCRK Leigh Creek, OOD Oodnadatta, BBOO Buckleboe, WR0 Warramunga Arr, WR0 Warramunga Arr, WRB Warramunga Arr, WRB Tennant Creek, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, MULG Mulgathing, FORT Forrest, KNRA Kununurra, SBA Scott Base, SBA Scott Base, Vnda Vanda, Vnda Vanda, Vnda Vanda, SHEM Shemya Is, UNV Unalaska Valle.

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Lists numerous stations including MJAR Matsushiro Arr, MAJO Matsushiro, SNCC San Nicolas Is, SCZ2 Santa Cruz Isl, SBZ2 Santa Barbara, CHNA Chernabura Isl, SDPT Sand Point, ELS Elinson Road, ELS Elinson Road, S14K Fog Glacier, ISA Isabella, Lake, ISA Isabella, Lake, CHIR Chirikof Isl, CHGN Chignik, CMB Columbia Cole, CMB Columbia Cole, YUH Yuha Desert, YUH Yuha Desert, PFO Pinyon Flats, PFO Pinyon Flats, TPFO Pinyon Flats, PMD Palm Desert, SWSC Sam W. Stewart, PETK Petropavlovsk, CWC Cottonwood Crs, BELC Belle Mtn. Jos, MLAC Mammoth, MPMAC Mammoth Prospec, GSC Goldstone, Bar, GSC Goldstone, Bar, GSC Goldstone, Bar, YBH Yreka Blue Hor, YBH Yreka Blue Hor, BC3 Big Chuckawalk, GLA Glamis, GMRC Granite Mount, R16K Riplet Point, IRM Iron Mountain, GRAC Grapevine Rang, GRAC Grapevine Rang, YSS Yuzh-Sakhalins, L04D Klamath Falls, FURC Furnace Creek, TUQ Turquoise Moun, NVAR Mina Array Bea, R17K Ugashik Creek, R18K Karluk, 214A Organ Pipe Nat, TPNV Topopah Spring, PDMC Parker Dam, LAK, Q17K Contact Creek, I04A Tendick Farm, KDKA Kodak Island, V12A Nelson, O14K Tiguyukvit M, Q16K Organ Pipe Nat, O15K Ungalikthiuk R, P16K Koshagak River, Q18K Katmai Hardscr, QSPA South Pole Qui, QSPA South Pole Qui, P17K Kivchar River, PRN Pahroc Range, O16K Kokwok River B, R11B Troy Canyon, C, P18K Big Mountain, P18K Dail Lake, O17K Organ Pipe Bris, N15K Kwethluk River, TUC Tucson, O18K Kookth Hills, M14K Bethel, M15K Kasigluk River, I07A Izeze, I07A Izeze, TYV Tyusovsk, TYV Tyusovsk.

4d 12h

TYV	comp=Z,500nm,3.7s		smax	smax	
TYV	comp=N,200nm,5.6s				
			smax	smax	
KSR5	comp=E,500nm,5.6s	76.33 315 P			12 30 10.6 -0.9
	comp=E,2.2nm,0.9s,baz=108,slop=33,SNR=3.6				
ILSW		76.44 10 P			12 30 11.8 0.0
L14K	Ilwaco Southw	76.56 5 P			12 30 13.9 +1.7
	baz=190				
M16K	Timber Creek	76.62 7 P			12 30 13.8 +1.2
	baz=194				
O20K	Slope Mountain	76.62 10 P			12 30 13.2 +0.4
U15A	North Rim	76.63 46 P	Iamb	Iamb	12 30 12.9 -0.7
	comp=Z,23nm,1.4s				12 30 20.1
BR5E	Bradley Lake S	76.64 11 P			12 30 13.5 +0.7
N18K	Kilae Creek	76.68 8 P			12 30 13.9 +1.0
	baz=202				
K13K	Kusilvak Mount	77.00 4 P			12 30 15.6 +0.9
	baz=188				
L15K	Ungalak Mounta	77.00 5 P			12 30 15.7 +1.0
	baz=191				
N19K	Bonanza Creek	77.02 9 P			12 30 14.3 -0.7
N19K	Bonanza Creek	77.02 9 P			12 30 16.0 +1.0
	baz=198				
DUN6	Lazy B Ranch	77.09 51 P			12 30 15.7 -0.3
M17K	Holifna River	77.17 8 P			12 30 17.5 +1.8
	baz=195				
SEW	Seward	77.23 12 P			12 30 17.7 +1.7
	baz=203				
L16K	Owhat River	77.23 6 P			12 30 17.5 +1.5
	baz=193				
X18A	Rabbit Creek	77.37 49 P			12 30 16.6 -1.1
M18K	Stony River	77.47 8 P			12 30 19.0 +1.7
	baz=197				
USA0B	Ussuriysk Arra	77.47 323 eP			12 30 17.7 -0.1
P23K	Montague Istan	77.55 13 P			12 30 19.0 +1.2
	baz=205				
K15K	Wolf Creek Mou	77.60 5 P			12 30 19.4 +1.3
	baz=191				
N20K	Mount Spurr	77.75 10 P			12 30 20.2 +1.2
SPCR	Spurr Chakacha	77.75 10 P			12 30 20.2 +1.2
L17K	Donlin	77.78 7 P			12 30 20.1 +1.0
	baz=194				
MFID	Camas Ranch	78.04 39 P	Iamb	Iamb	12 30 20.8 -0.3
	baz=206				12 30 26.5
L18K	Granite Mounta	78.06 8 P			12 30 21.4 +0.7
	baz=196				
121A	Cookes Peak, D	78.06 51 P			12 30 21.4 -0.2
	baz=243				
M19K	Big River Lodg	78.07 9 P			12 30 22.0 +1.3
	baz=198				
RC01	Rabbit Creek A	78.08 11 P			12 30 22.0 +1.2
KAIM	Kayak Island	78.16 14 P			12 30 22.2 +0.9
	baz=208				
DUG	Dugway, Tooele	78.20 43 P			12 30 21.2 -0.9
DUG	Dugway, Tooele	78.20 43 P			12 30 25.6 +3.5
	baz=239,SNR=6.2				
DUG	Dugway, Tooele	78.20 43 P	pmax	pmax	12 30 21.2 -0.9
	comp=Z,11nm,1.3s				
M20K	Styx River	78.24 9 P			12 30 22.6 +0.8
	baz=199				
SUA	Susitna One	78.25 11 P			12 30 23.0 +1.1
	baz=202				
L19K	White Mountain	78.27 8 P			12 30 22.9 +1.1
	baz=198				
K17K	Iditarod	78.34 7 P			12 30 23.1 +0.9
	baz=194				
D08A	Wollman Farm,	78.39 34 P	Iamb	Iamb	12 30 22.0 -0.8
D08A					12 30 29.3
	comp=Z,23nm,1.5s				
GLI	Glacier Island	78.42 12 P			12 30 23.7 +1.0
	baz=205				
GAMB	Gambel	78.58 0 P			12 30 24.5 +1.0
	baz=181				
SKT	Skwentna	78.59 10 P			12 30 24.8 +1.1
KNK	Knik Glacier	78.63 12 P			12 30 24.7 +0.9
	baz=204				
M22K	Willow	78.63 11 P			12 30 24.9 +1.2
	baz=202,SNR=6.3				
J16K	Anvik River	78.66 6 P			12 30 25.1 +1.1
PMR	Palmer	78.66 11 P	Iamb	Iamb	12 30 24.1 +0.2
	comp=Z,16nm,1.0s				12 30 27.5
PMR	Palmer	78.66 11 P			12 30 24.4 +0.5
	baz=203,SNR=5.9				
PMR	Palmer	78.66 11 P	pmax	pmax	12 30 24.1 +0.2
	comp=Z,16nm,1.0s				
L20K	Farewell, AK	78.69 9 P			12 30 26.0 +1.8
TTA	Tatalina	78.83 8 P	Iamb	Iamb	12 30 24.8 -0.2
	baz=197				12 30 29.2
TTA	Tatalina	78.83 8 P			12 30 26.0 +1.0
TTA	Tatalina	78.83 8 P	pmax	pmax	12 30 24.8 -0.2
	comp=Z,35nm,1.5s				
PLID	Pearl Lake	78.88 37 P			12 30 24.5 -1.4
HLID	Hailey	78.98 39 P			12 30 25.8 -0.6
	baz=237,SNR=24				
MESA	MESA	78.98 15 P			12 30 25.9 -0.1
	baz=210				
SMSL	Sawmill	79.01 12 P			12 30 26.5 +0.6
BMRM	Bremner River	79.04 14 P			12 30 26.5 +0.3
	baz=208,SNR=6.5				
M23K	Glacier View	79.12 12 P			12 30 27.8 +1.3
	baz=205				
CUT	Chulitna	79.21 10 P			12 30 28.3 +1.4
	baz=202,SNR=6.0				
KLU	Klutina	79.22 13 P			12 30 27.7 +0.5
	baz=206				
PNL	Peninsula	79.22 17 P			12 30 28.6 +1.5
	baz=213				
SCM	Sheep Creek Mo	79.24 12 P			12 30 27.7 +0.5
	baz=205,SNR=5.9				
H17K	Unalakleet	79.24 5 P			12 30 28.2 +1.2
	baz=192				
R31K	City Hall, Gus	79.25 19 P			12 30 28.8 +1.5
	baz=216				
J18K	Innoko River	79.26 7 P	Iamb	Iamb	12 30 27.5 +0.2
J18K					12 30 31.4
	comp=Z,21nm,1.0s				
J18K	Innoko River	79.26 7 P			12 30 28.6 +1.3
Y22A	Socorro	79.30 51 P			12 30 33.4 +5.0
	baz=244				
K20K	Telida	79.50 8 P	Iamb	Iamb	12 30 29.3 +0.8
K20K					12 30 32.5
	comp=Z,26nm,1.2s				
K20K	Telida	79.50 8 P			12 30 29.9 +1.3
	baz=198				
MNTX	Cornudas Mount	79.54 53 P			12 30 28.9 -0.6
MNTX	Cornudas Mount	79.54 53 P			12 30 30.7 +1.2
	baz=245				
MNTX	Cornudas Mount	79.54 53 P			12 30 34.4 +4.9
	baz=245				
ANM	Nome	79.57 3 P			12 30 30.0 +1.1
	baz=187				
N25K	Chitina, Valde	79.61 13 P	Iamb	Iamb	12 30 28.9 -0.4
N25K					12 30 32.5
	comp=Z,14nm,0.8s				
N25K	Chitina, Valde	79.61 13 P			12 30 30.9 +1.6
P18A	Preston Nutter	79.62 44 P	Iamb	Iamb	12 30 29.4 -0.8
P18A					12 30 36.1
	comp=Z,20nm,1.5s				
P29M	Windy Craggy	79.65 17 P			12 30 31.5 +2.0
	baz=214				
MVCO	Mesa Verde	79.67 47 P			12 30 30.1 -0.3
	baz=242				
M24K	Tolsona, Glenn	79.72 12 P			12 30 31.3 +1.4
	baz=208,SNR=7.0				
MCARA	McCCarthy VSAT	79.77 14 P			12 30 31.1 +1.0

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CTG	baz=209	Chitna Glacier	79.81 15 P	P	12 30 31.6 +1.1
	baz=211	Susitna Watana	79.84 11 P	P	12 30 32.2 +1.6
H16K	comp=Z,25nm,1.1s	Elim	79.85 5 P	P	12 30 31.3 +0.9
	baz=190	Castle Rocks	79.86 9 P	P	12 30 31.3 +0.8
CAST	baz=197	Susitna, SNR=7.4	79.86 9 P	P	12 30 30.6 -0.1
J19K		Poorman	79.90 8 P	P	12 30 30.6 -0.1
PLBC		Pleasant Camp	79.91 18 P	P	12 30 31.4 +0.5
	baz=216	Susitna Watana	79.91 11 P	P	12 30 31.4 +0.6
WAT1		Lajitas Array	79.92 56 P	P	12 30 36.2 +4.5
TXAR	comp=Z,5.0nm,1.1s, baz=225,slow=4.6,SNR=28	Mount Upport	79.94 16 P	P	12 30 33.0 +1.6
O28M	comp=Z,5.0nm,1.1s, baz=225,slow=4.6,SNR=28	Mount Upport	79.94 16 P	P	12 30 33.0 +1.6
	comp=Z,16nm,1.8s	Mount Kennedy	79.98 17 P	P	12 30 32.0 +0.6
O29M	comp=Z,16nm,1.8s	Bob Quinn	79.99 22 P	P	12 30 31.6 +0.2
T35M		Bob Quinn	79.99 22 P	P	12 30 31.6 +0.2
	baz=222	Niukuk	80.08 4 P	P	12 30 30.9 -0.8
G15K		Niukuk	80.08 4 P	P	12 30 30.9 -0.8
	baz=189	Newport	80.08 34 P	P	12 30 34.0 +1.8
NEW	comp=Z,24nm,1.5s	Newport	80.08 34 P	P	12 30 34.0 +1.8
	baz=234	Albuquerque	80.12 50 P	P	12 30 31.1 -1.7
ANMO		Albuquerque	80.12 50 P	P	12 30 33.2 +0.4
ANMO		Albuquerque	80.12 50 P	P	12 30 37.8 +5.0
ANMO		Albuquerque	80.12 50 P	P	12 30 37.1 +4.3
	comp=Z,16nm,1.8s	Thorfare Moun	80.18 10 P	P	12 30 31.4 -1.0
TRF	comp=Z,16nm,1.8s	Thorfare Moun	80.18 10 P	P	12 30 31.4 -1.0
HARP		HAARP	80.19 13 P	P	12 30 33.4 +1.0
	baz=207	Skaway	80.22 18 P	P	12 30 33.5 +1.0
SKAG		Skaway	80.22 18 P	P	12 30 33.5 +1.0
	baz=217	Lake Minchumini	80.26 9 P	P	12 30 33.3 +0.6
CHUM		Lake Minchumini	80.26 9 P	P	12 30 33.3 +0.6
	baz=200,SNR=8.5	Nowina River	80.27 8 P	P	12 30 34.5 +1.8
J20K		Nowina River	80.27 8 P	P	12 30 33.6 +0.9
J20K		Nowina River	80.27 8 P	P	12 30 33.6 +0.9
	baz=198	Million Dollar	80.28 17 P	P	12 30 33.4 +0.5
P30M		Million Dollar	80.28 17 P	P	12 30 33.4 +0.5
	baz=215	Granite Mounta	80.35 6 P	P	12 30 34.2 +1.1
H17K		Granite Mounta	80.35 6 P	P	12 30 34.2 +1.1
	baz=193	Denali Highway	80.36 11 P	P	12 30 34.7 +1.4
DHY		Denali Highway	80.36 11 P	P	12 30 34.7 +1.4
S34M		Telegraph Cree	80.38 21 P	P	12 30 34.6 +1.2
	baz=221	Reindeer	80.39 11 P	Iamb	12 30 34.6 +1.2
RND		Reindeer	80.39 11 P	Iamb	12 30 34.6 +1.2
RND		Reindeer	80.39 11 P	Iamb	12 30 34.6 +1.2
	comp=Z,18nm,0.8s	Reindeer	80.39 11 P	P	12 30 34.7 +1.2
RND		Reindeer	80.39 11 P	P	12 30 34.7 +1.2
	comp=Z,18nm,0.8s	Nanjing	80.44 307 eP	P	12 30 34.2 -0.1
NJ2		Nanjing	80.44 307 eP	P	12 30 34.2 -0.1
NJ2		Nanjing	80.44 307 eP	P	12 30 36.9 -4.3
	comp=Z,15nm,0.5s	Galena City Sc	80.48 7 P	P	12 30 35.1 +1.4
GCSA					

4d 13h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details for various stations.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details for various stations.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, SNR, and other technical details for various stations.

ISC 04 13:30:35.71.3.25.405.0'06.28'92E:0'08.h10km,n8,
#097/16, South Africa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MOPANI, MUSINA, BOSHOFF, MATOPPO.

NOU 04 13:52:33.3,21'69S:170'56E,h0km,MLV4.6/9,Southeast
of Loyalty Islands

IDC 04 13:52:52.1,4.20'98S:168'73E,h0km,mb4.0/5,
mbmp3.9/6,ML3.0/1,Error ellipse: s-maj=57.9km
s-min=23.9km az=157.0

ISC 04 13:52:53.3,1.1,21'7S:0'169'01E:0'09.h10km,n15,
#156/16,mb39/5,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARNC, PINNC, LIFNC, YATNC, etc.

IDC 04 14:08:53.9,0.5,21'33S:169'09E,h0km,mb4.7/19,
mbmp4.8/23,ML4.4/3,MSS.2/48,Error ellipse:
s-maj=14.5km s-min=13.4km az=173.0

MOS 04 14:08:53.9,1.4,21'30S:169'01E,h10km,mb5.3/32,
MSS.4/16,Error ellipse: s-maj=9.7km s-min=8.2km
az=44.5

BUI 04 14:08:54.4,0.0,20'88S:169'08E,h5km,mb5.0/55,
mb5.7/55,MSS.5/61,MSS.7/52/61

NEIC 04 14:08:55.2,3,21'24S:0'07.168'96E:0'05,h10km,1km,
mb5.3/193,MSS.20.5/590,MW6.7/28,Error ellipse:
s-maj=12.9km s-min=7.7km az=162.0

NEIC 04 14:08:55.6,21'39S:169'15E,h18km,Moment Tensor
Solution. Duration: 450. Moment tensor: Scale 1017Nm;
Mn:4.27; Mb:1.11; Mw:3.17; Ms:1.72; Mv:0.54;
Fault plane solution: M0:4.60000e+10 Np1:
phi=133.20000°,delta=52.0000°,lambda=26.0000°. NP2:
phi=349.13000°,delta=50.0000°,lambda=116.94000°. Principal axes:
T 4.8941,Plg17.0000°,Az=338.0000°; N -0.8643,
Plg19.0000°,Az=150.0000°; P -4.0298,Plg3.0000°,
Az=240.0000°

NEIC 04 14:08:55.6,21'29S:168'94E,h18km
NOU 04 14:08:56.5,21'26S:168'93E,h2km,mb5.0/80,Loyalty
Islands

GCMT 04 14:09:02.0,0.1,21'25S:0'01.168'99E:0'01,h19km,
MW5.8/150,Moment Tensor Solution. s133,c245;
s150,c294; Duration: 158. Moment tensor: Scale 1017
Nm; Mn:3.77e-05; Mb:-0.79e-04; Mw:-2.98e-04;
Ms:1.79e-10; Mv:1.68e-03; Mw:3.18e-10; Best double
couple: Ms:5.29000e+10 Np1:phi=151.0000°,delta=67.0000°,
lambda=89.0000°. NP2:phi=332.0000°,delta=83.0000°,lambda=91.0000°.
Principal axes: T 5.2300,Plg68.0000°,Az=60.0000°; N
0.1180,Plg0.0000°,Az=151.0000°; P -5.3510,
Plg22.0000°,Az=241.0000°; nsta1 refers to body waves,
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

ISC 04 14:08:55.0,0.4,21'31S:0'04.169'10E:0'04,h11km,2km,
h12km;pp-P,n822,r151702,mb5.3/156,MSS.5/334,
30C-31D,Southeast of Loyalty Islands

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

Table with columns: RAO, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, FUNA, EIDS, etc.

Table with columns: RAO, Station Name, Az, Phase ID, Time, Res. Includes stations like RTZ, BKZ, RMQ, etc.

Table with columns: RAO, Station Name, Az, Phase ID, Time, Res. Includes stations like AULRC, TVIHC, etc.

Table with columns: WB6, Station Name, Az, Phase ID, Time, Res. Includes stations like WB4, WB2, WB1, etc.

Table with columns: WB6, Station Name, Az, Phase ID, Time, Res. Includes stations like WC4, WRA, WRA, etc.

Table with columns: WB6, Station Name, Az, Phase ID, Time, Res. Includes stations like WC1, AS31, ASAR, etc.

Table with columns: RAO, Station Name, Az, Phase ID, Time, Res. Includes stations like BRAT, QIS, QIS, etc.

Table with columns: WB6, Station Name, Az, Phase ID, Time, Res. Includes stations like MEK, KLB, KLB, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like Q19K Cape Douglas, Q20K Shuyak Island, SYI Shuyak Island, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like SUA Susitna One, ORV Oroville, ORV Oroville, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like GSC Goldstone, BERG Berg Lake, BELC Belle Mtn, etc.

4d 14h

Table with columns: ID, Name, Date, Time, Status, Location, and Value. Includes entries like U33K Whale Pass, I21K Tanana, C16K Lisburne Hills, etc.

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Table with columns: ID, Name, Date, Time, Status, Location, and Value. Includes entries like J25K comp=Z,22nm,1.8s, J25K Salcha River, D19K Kuna River, etc.

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Table with columns: ID, Name, Date, Time, Status, Location, and Value. Includes entries like R33M Jennings River, R33M Jennings River, E23K Chandalar, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Teton Pass, Barrier River, Fox Creek, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Klimovskoe, Kilima Mbogo, Brasilia, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like CLM, CLL, CLL, etc.

IDC 04 14:20.04 0.9 4:50S: 151.72E, h158km, 9km, mb3.6/3, mbmp4.0/4, Error ellipse: s-maj=159.0, Tonga Islands

4d 14h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRVT Keravat, PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, MRSI Marisa, TTSI Tana Toraja, GSPA South Pole Qui, TORD Torodi Ar. Bea.

ICD 04 14:15:34.4,1.1,0, 1431'S:173.88'W,h0km,mb3.4/3, mbmp3.4/3,Error ellipse: s-maj=491.7km s-min=42.3km az=138.0, Samoa Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

NOU 04 14:23:02.7,21.58'S:168.91'E,h0km,MLV3.9/8,Loyalty Islands

ICD 04 14:23:03.9,4.6,21.17'S:168.70'E,h0km,mb3.6/2, mbmp3.6/3,ML3.5/1, Error ellipse: s-maj=185.1km s-min=35.3km az=147.0

ISC 04 14:23:04.6,1.7,21.65'S:168.8E:0.1,h10km,n13, c=090/14,Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, LIFNC LIFOU, YATNC Marnie plateau, OUCNC Ouen Island, DZM Mont Dzumac, DZM Mont Dzumac, ONTNC Ouen Toro, NOUC Port Laguerre, WRA Warramunga Arr, ASAR Alice Springs, EKA Eskdalemuir, GERES GERES Array B.

JMA 04 14:25:45.1,0.2,36.1'ON:0.5-14.1'E:1,h37km,2km, MV3.1/36,E OFF IBARAKI PREF

ICD 04 14:25:47.4,7.5,35.91'N:141.11'E,h47km,58km,mb3.3/3, mbmp3.4/4,ML2.5/1, Error ellipse: s-maj=79.8km s-min=33.1km az=58.0

ISC 04 14:25:44.9,2.0,36.05'N:0.07:141.2E:0.1,h29km,12km, n18,c=077/17,mb3.5/3,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIHU Itakohorinouch, JHYU Hitachinakayam, JSMT Sammumatsuo, JSHO Hitachi, JYT Yasato, ONAJ Iwakimizuishi, ONJG Kawachi, ONJA Ashikaga, MJAR Matsushiro Arr, MJAR Matsushiro Arr, H11N2 WAKE ISLAND Hy 27.80 119 T, H11N1 WAKE ISLAND Hy 27.81 119 T, H11N3 WAKE ISLAND Hy 27.82 119 T, H11S1 WAKE ISLAND Hy 28.48 121 T, H11S3 WAKE ISLAND Hy 28.48 121 T, H11S2 WAKE ISLAND Hy 28.50 121 T, MKAR Makanchi Array 44.51 303 P, KURBS Kurchatov Arr 46.48 309 P, WRA Warramunga Arr 56.06 188 P.

BUI 04 14:36:03.0,0.0,15.20'S:173.20'W,h5km,mb4.9/19, mb5.7/8,Ms4.3/3,Ms7.5/2

ICD 04 14:36:04.5,0.5,15.24'S:173.34'W,h0km,mb4.5/18, mbmp4.5/18,MS4.6/6, Error ellipse: s-maj=22.5km s-min=14.3km az=133.0

MOS 04 14:36:05.5,1.2,15.26'S:173.47'W,h10km,mb5.1/19, Error ellipse: s-maj=13.5km s-min=11.2km az=75.6

NEIC 04 14:36:05.1,1.4,15.05'N:173.3W:0.1,h10km,1km, mb5.0/13, Error ellipse: s-maj=19.7km s-min=14.8km az=317.0

GCMT 04 14:36:12.1,0.4,15.66'S:0.03:172.96'W:0.3,h12km, MW5.3/70,Moment Tensor Solution, s18c20: s70c85; Duration: 1s0 Moment tensor: Scale 10^11Nm; Mn:0.37c:02; M0:0.21c:02; M0:0.15c:02; M0:0.87c:06; M0:0.04c:02; M0:0.28c:08; Best double couple: M0:963000*10^17 NP1:0.28800000*0.88100000* 7.89000000; NP2:0.11400000*0.89000000*1.96000000

Principal axes: T 1.0310, P1654.0000*, Azm197.0000*; N -0.1360, P1g1.0000*, Azm288.0000*; P -0.8950, P1g3c.0000*, Azm19.0000*; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 04 14:36:06.2,0.3,15.25'S:0.08:173.24'W:0.09,h10km, n577,c1908/490,mb5.0/94,MS4.7/7,52C-13D,Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI Afiamalu, AFI Afiamalu, NIUE Niue, NIUE Niue, NIUE Niue.

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Main table with columns: MSVF, Nonsavu, MSVF, Nonsavu, MSVF, RAR, MARNC, LIFNC, PINNC, DZM, DZM, PAE, PPT2, PPT2, URZ, PMOR, RTZ, BKZ, THZ, LHI, LTZ, LTZ, TAOE, TAOE, WHZ, ARMA, CTA, H11S2, H11S3, H11S1, H11N3, H11N1, H11N2, MTSU, CMSA, COEN, TOO, TOO, TOO, STKA, STKA, STKA, STKA, MCQ, MCQ, MCQ, BBOO, BBOO, WRB, WRB, WRB, WRB, WRB, WRB, WRB, WRA, WRA, WRA, WRA, WRA, AS31, ASAR, ASAR, ASAR, MTN, MTN, WRKA, FORT, KNRA, SWI, SWEI, PSA00, SBA, SBA, SBA, VNDA, VNDA, VNDA, EDFI, NIKH, MJAR, MJAR, UNV, SCZ2, CHNA, PKM, SDPT, SDPT, S14K, EDW2, CHIR

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Table with columns: CHGN, IKP, PETK, PFO, BBRC, SWSC, LRMC, RRR, CWC, BELC, SII, MLAC, MPMC, GSC, YBH, YBH, YBH, YSS, BC3, HEC, R16K, DSP, GMR, IRM, GRAC, R17K, FURC, TUQ, NVAR, NVAR, R18K, Q17K, TPNV, PDMC, KDAK, KDAK, QSPA, QSPA, O14K, Q16K, P16K, K05A, K05A, Q18K, J05D, P17K, N14K, Q20K, O16K, P18K, P18K, M13K, R11B, O17K, N15K, KSRS, TUC, O18K, M14K, M15K, N16K, P19K, N17K, ILSW, O19K, L14K, M16K, M16K, O20K, BRSE, N18K, K13K, L15K, N19K, WUAZ, M17K, M17K, L16K, M18K, K15K, N20K, SPCR, L17K, CRAG

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L18K L18K	Granite Mounta	78.31	8	P	I Amb	P	I Amb	14 48 04.9	-1.2	14 48 09.3
L18K	Granite Mounta comp=Z,16nm,1.1s	78.31	8	P	P	P	P	14 48 06.6	+0.5	
M19K M19K	Big River Lodg baz=199,SNR=5.5	78.33	9	P	I Amb	P	P	14 48 03.9	-2.4	14 48 06.4
M19K	Big River Lodg comp=Z,9.6nm,1.0s	78.33	9	P	P	P	P	14 48 06.0	-0.3	
RC01	Rabbit Creek A baz=203	78.36	11	P	P	P	P	14 48 06.2	-0.3	
PWL	Port Wells baz=204	78.43	12	P	P	P	P	14 48 06.4	-0.5	
KAIM	Kayak Island baz=208	78.46	14	P	P	P	P	14 48 06.8	-0.1	
M20K M20K	Styx River comp=Z,10nm,1.1s	78.51	10	P	I Amb	P	I Amb	14 48 03.4	-4.0	14 48 13.3
M20K	Styx River baz=200	78.51	10	P	P	P	P	14 48 07.0	-0.4	
SUA SUA	Susitna One comp=Z,10nm,0.8s	78.52	11	P	I Amb	P	I Amb	14 48 05.1	-2.3	14 48 08.1
SUA	Susitna One baz=202,SNR=5.2	78.52	11	P	P	P	P	14 48 06.9	-0.6	
L19K	White Mountain baz=198	78.53	9	P	P	P	P	14 48 07.1	-0.3	
121A	Cookes Peak, D baz=244	78.53	52	P	P	P	P	14 48 08.7	+0.4	
121A	Cookes Peak, D comp=Z,14nm,1.1s	78.53	52	P	P	P	P	14 48 09.3	+1.0	
K17K K17K	Iditarod comp=Z,15nm,1.0s	78.59	7	P	I Amb	P	I Amb	14 48 05.2	-2.5	14 48 09.5
K17K	Iditarod baz=195	78.59	7	P	P	P	P	14 48 08.7	+1.0	
V35K	Ketchikan baz=221	78.59	23	P	P	P	P	14 48 07.7	0.0	
SIT	Sitka baz=217	78.63	20	P	P	P	P	14 48 06.1	-1.8	
U33K	Whale Pass baz=219	78.64	22	P	P	P	P	14 48 06.0	-2.1	
DUG DUG	Dugway, Tooele baz=239,SNR=5.9	78.65	43	P	P	P	P	14 48 05.9	-2.8	
DUG DUG	Dugway, Tooele comp=Z,8.0nm,1.1s	78.65	43	P	pmx	pmx	pmx	14 48 05.9	-2.8	
EYAK	Cordova Ski Ar baz=207	78.70	13	P	P	P	P	14 48 07.8	-0.5	
GLI	Glacier Island baz=206	78.70	13	P	P	P	P	14 48 08.0	-0.3	
SKT	Skwentna baz=202	78.76	10	P	P	P	P	14 48 08.5	-0.7	
J16K	Anvik River baz=192	78.90	6	P	P	P	P	14 48 10.0	+0.6	
M22K M22K	Willow baz=203,SNR=6.2	78.91	11	P	P	P	P	14 48 05.1	-4.2	14 48 09.0
KNK	Knik Glacier baz=204	78.91	12	P	P	P	P	14 48 09.1	-0.4	
PMR	Palmer baz=204	78.94	11	P	P	P	P	14 48 08.8	-0.7	
L20K	Farewell, AK baz=199,SNR=5.7	78.95	9	P	P	P	P	14 48 09.4	-0.3	
S31K	Pelican baz=216	79.06	19	P	P	P	P	14 48 10.1	-0.2	
TTA	Tatalina baz=197	79.08	8	P	P	P	P	14 48 11.2	+0.7	
GHO GHO	Glory Hole Cre comp=Z,16nm,0.9s	79.15	12	P	I Amb	P	I Amb	14 48 09.8	-1.0	14 48 11.8
WRAK	Wrangell Islan baz=203	79.15	22	P	P	P	P	14 48 10.2	-0.7	
MESA	MESA baz=211	79.29	15	P	P	P	P	14 48 11.8	0.0	
SML	Sawmill baz=204	79.29	12	P	P	P	P	14 48 11.3	-0.3	
BMRM	Bremner River baz=208,SNR=7.6	79.33	14	P	P	P	P	14 48 12.0	+0.1	
M23K	Glacier View baz=205	79.40	12	P	P	P	P	14 48 11.8	-0.3	
HLID	Hailey comp=Z,13nm,0.9s	79.41	39	I Amb	I Amb	P	P	14 48 14.7		
HLID	Hailey baz=207,SNR=22	79.41	39	P	P	P	P	14 48 13.5	+0.7	
CUT	Chuitina baz=202,SNR=5.7	79.51	7	I Amb	I Amb	P	P	14 48 12.2	-0.3	
J18K	Innoko River comp=Z,15nm,1.1s	79.51	7	P	P	P	P	14 48 14.7		
J18K	Innoko River baz=196	79.51	7	P	P	P	P	14 48 13.1	+0.4	
KLU	Klutina baz=207	79.51	13	P	P	P	P	14 48 12.6	-0.2	
SCM	Sheep Creek Mo comp=Z,14nm,0.8s	79.52	12	I Amb	I Amb	P	P	14 48 13.8		
SCM	Sheep Creek Mo baz=205	79.52	12	P	P	P	P	14 48 12.7	-0.2	
PNL	Peninsula baz=213	79.53	17	P	P	P	P	14 48 12.8	-0.1	
PPLA	Purkeypyle baz=201	79.61	10	P	P	P	P	14 48 13.2	-0.3	
PINM	Pinnacle baz=212	79.66	16	P	P	P	P	14 48 13.4	-0.3	
K20K	Telida baz=199	79.76	9	P	P	P	P	14 48 14.6	+0.6	
Y22A	Socorro baz=244	79.77	51	P	P	P	P	14 48 16.1	+1.0	
N25K	Chitna, Valde baz=208,SNR=5.4	79.90	13	P	P	P	P	14 48 15.2	+0.2	
P29M	Windy Craggy baz=215	79.97	17	P	P	P	P	14 48 15.5	+0.2	
M24K	Tolsona, Glenn baz=202	80.00	13	P	P	P	P	14 48 15.9	+0.4	
MNTX	Cornudas Mount baz=245	80.01	53	P	P	P	P	14 48 16.1	0.0	
MNTX	Cornudas Mount baz=245	80.01	53	P	P	P	P	14 48 16.6	+0.4	
MCARA	McCarthy VSAT baz=210	80.07	14	P	P	P	P	14 48 15.7	0.0	
H16K	Elim baz=191	80.08	5	P	P	P	P	14 48 15.9	+0.1	
WAT6	Susitna Watana baz=205,SNR=7.2	80.12	12	P	P	P	P	14 48 16.0	-0.2	
CTG	Chitna Glacier baz=211	80.12	15	P	P	P	P	14 48 16.0	-0.2	
CAST	Castle Rocks baz=201	80.12	9	P	P	P	P	14 48 14.5	-1.6	
MVCO	Mesa Verde baz=242	80.13	47	P	P	P	P	14 48 16.2	-0.8	
J19K	Poorman baz=199	80.16	8	P	P	P	P	14 48 16.8	+0.6	
WAT1	Susitna Watana comp=Z,9.0nm,0.5s	80.19	11	P	P	P	P	14 48 16.3	-0.2	
NJ2 NJ2	Nanjing comp=Z,9.0nm,0.5s	80.19	307	eP	pmx	pmx	pmx	14 48 15.1	-2.0	
PLBC	Pleasant Can baz=216	80.23	18	P	P	P	P	14 48 16.9	+0.2	
O28M	Mount Upton baz=212	80.25	16	P	P	P	P	14 48 17.4	+0.3	
O29M	Mount Kennedy baz=214	80.29	17	P	P	P	P	14 48 17.0	-0.1	
T35M	Bob Quinn baz=222	80.34	22	P	P	P	P	14 48 16.9	-0.5	
TX31	Lajitas Ar. Si baz=247	80.40	56	P	P	P	P	14 48 19.6	+1.2	
TXAR	Lajitas Array comp=Z,4.2nm,1.1s,baz=227,slow=5.0,SNR=27	80.40	56	P	P	P	P	14 48 18.8	+0.2	
KTH	Kantishna Hill comp=Z,2.2nm,1.1s	80.44	10	I Amb	I Amb	P	P	14 48 18.9		
TRF	Thorofare Moun comp=Z,18nm,1.1s	80.45	10	I Amb	I Amb	P	P	14 48 22.9		
TRF	Thorofare Moun baz=202,SNR=7.3	80.45	10	P	P	P	P	14 48 17.6	-0.4	
KLR KLR	Kul'dur comp=Z,10.0nm,1.6s	80.47	327	eP	pmx	pmx	pmx	14 48 19.0	+0.8	
HARP	HAARP baz=207	80.48	13	P	P	P	P	14 48 17.4	-0.6	
NEW	Newport baz=234	80.50	34	P	P	P	P	14 48 18.2	-0.2	
CHUM	Lake Minchumin baz=200,SNR=6.6	80.52	9	P	P	P	P	14 48 17.8	-0.3	
J20K	Nowinta River comp=Z,15nm,1.0s	80.53	8	I Amb	I Amb	P	P	14 48 19.2		

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J20K	Nowinta River baz=199	80.53	8	P	P	P	P	14 48 18.3	+0.2	
SKAG	Skagway baz=217	80.55	19	P	P	P	P	14 48 19.2	+0.9	
H17K	Granite Mounta baz=193	80.58	6	P	P	P	P	14 48 19.5	+1.0	
ANMO	Albuquerque baz=204	80.59	50	P	P	P	P	14 48 18.9	-0.5	
ANMO	Albuquerque comp=Z,6.0nm,0.9s	80.59	50	P	pmx	pmx	pmx	14 48 19.5	0.0	
ANMO	Albuquerque baz=244	80.59	50	P	P	P	P	14 48 20.3	+0.8	
ANMO	Albuquerque comp=Z,6.0nm,0.9s	80.59	50	P	pmx	pmx	pmx	14 48 20.1	+0.7	
P30M	Million Dollar baz=215	80.60	17	P	P	P	P	14 48 18.9	+0.1	
DHY	Denali Highway baz=205	80.64	12	P	P	P	P	14 48 18.7	-0.3	
F14K	Arctic Creek baz=187	80.65	3	P	P	P	P	14 48 18.8	0.0	
TNA	Tin City baz=185	80.67	2	P	P	P	P	14 48 18.2	-0.6	
GCSA	Galena City Sc baz=196	80.72	7	P	P	P	P	14 48 19.3	+0.1	
S34M	Telegraph Cree baz=221	80.72	21	P	P	P	P	14 48 19.0	-0.4	
YUK8	Steele Glacier baz=192	80.79	16	P	P	P	P	14 48 19.5	-0.5	
G16K	Koyuk River baz=191	80.82	5	P	P	P	P	14 48 20.1	+0.4	
YUK6	Outpost Mounta baz=244	80.88	16	P	P	P	P	14 48 20.2	-0.3	
BNX	BinXian comp=Z,15nm,0.8s	80.91	322	↑P	pmx	pmx	pmx	14 48 21.2	+0.6	
BNX	BinXian comp=Z,150nm,3.5s	80.92	12	P	pmx	pmx	pmx	14 48 19.6	-0.9	
PAX	Paxson baz=207	80.92	12	P	P	P	P	14 48 19.9	-0.5	
BPAW	Bear Paw Mtn. baz=205	80.94	10	P	P	P	P	14 48 20.4	-0.1	
MCK	McKinley baz=204,SNR=16	80.95	11	P	P	P	P	14 48 20.4	-0.1	
M26K	Nabesna, AK comp=Z,17nm,1.1s	80.96	14	P	I Amb	I Amb	P	14 48 18.4	-2.3	14 48 47.5
M26K	Nabesna, AK baz=210	80.96	14	P	P	P	P	14 48 20.6	0.0	
HYT	Haines Junctio baz=215,SNR=7.1	81.02	17	P	P	P	P	14 48 21.6	+0.5	
YUK3	Moose Creek baz=212,SNR=5.4	81.03	15	P	P	P	P	14 48 21.8	+0.6	
AHID	Auburn Hatcher comp=Z,13nm,1.2s	81.06	41	I Amb	I Amb	P	P	14 48 23.3		
CN2 CN2	Changchun comp=Z,10.0nm,0.8s	81.07	320	P	pmx	pmx	pmx	14 48 22.7	+1.2	
I20K	Naaghedeneel baz=198	81.07	8	P	P	P	P	14 48 20.4	-0.6	
Q32M	Natla River baz=220	81.14	20	P	P	P	P	14 48 21.1	-0.7	
YUK4	Talbot Arm baz=214	81.14	16	P	P	P	P	14 48 21.9	+0.1	
P32M	Atlin baz=198	81.16	19	P	P	P	P	14 48 21.6	-0.1	
M27K	Edge Creek, AK baz=210	81.19	14	P	P	P	P	14 48 22.4	+0.4	
O30N	Mendenhall baz=216,SNR=6.6	81.38	17	P	P	P	P	14 48 23.0	+0.2	
L26K	Log Cabin Wild baz=209,SNR=6.9	81.43	13	P	P	P	P	14 48 23.4	+0.3	
MSO	Missoula baz=207,SNR=12									

Table with columns: ID, Name, RA, Dec, P, M, Az, El, etc. Includes entries like D22K Aiykyak River, C21K Knifeflade Rid, H29M Whitestone, ZEA Zeya, TOLK Toolik Lake Re, F26K Sheenjek River, HNS HongShan, E25K Arctic Village, E25K Arctic Village, D23K Namushuk River, A19K Wainwright, EPYK Eagle Plains, H13K Peel River, G29M Pine Creek, D24K Happy Valley, LAO LASA Array, F28M Old Crow, RSSD Black Hills, E27K Coleen River, WMOK Wichita Mounta, C23K Itkillik River, WHTX Lake Whitney, G30M Atoh Zraii Nji, D25K Kavik River, B22K Teshekpuk Lake, G31M Satah River, HKT Hockley, HIA Haiilar, D27M Malcolm River, F31M Tsigehtich, MAW Mawson, INK Inuvik, INK Inuvik, YAK Yakutsk, HHC Hu-ho-hao-te, YKA Yellowknife Ar, ECSD EROS Data Cate, ELIB Princess Elisa, PZH PanZhiHua, PZH PanZhiHua, PZH PanZhiHua, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, A36M Sachs Harbour, EFI East Falkland, VNA3 Neumayer Olymp, CCM Cathedral Cave, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, ULM Lac du Bonnet, ULN Ulaanbaatar, ULN Ulaanbaatar, SONM Songoing Array, P52A Corning, ZALV Zalesovo Beam, MKAR Makanchi Array, KURB Kurchatov Ar, KURB Kurchatov Ar, BVAR Borovoye Array, BRVK Borovoye, ARU Artu, ARCES ARCES Array B, KIRV Kirov, KLMR Klimovskoe, KLMR Klimovskoe, BELG Belogorovoye, FINESS FINESS Array B, OBN Obninsk, AKASG Akasheg Array Be, CLL Collim, CLL Collim, DPC Dobruska-Polom, BURAR Bucovina Array, BURAR Bucovina Array, CRVS Cervenica-Dubn

Table with columns: Name, RA, Dec, P, M, Az, El, etc. Includes entries like CRVS Cervenica-Dubn, MORG Moravsky Berou, MORG Moravsky Berou, MORG Moravsky Berou, LANS Liptovska Anna, LANS Liptovska Anna, TESR Tescani, TRPA Tarpa, BTNL Ternell, PRU Pruhonice, PRU Pruhonice, VRCAC Vravan, VRCAC Vravan, VRCAC Vravan, JHRR Jurilovca, JHRR Jurilovca, CFR Carliu, CFR Carliu, VRI Vrincoiaia, VRI Vrincoiaia, DOU Dourbes, PLOU Plostina, PLOU Plostina, TPGR Topolog, TREC Trest, TREC Trest, JAVC Velka Javorina, ZVUS Zvikov, ZVUS Zvikov, KRUC Moravsky, KRUC Moravsky, VYHS Vyhne, VYHS Vyhne, THRR Tigrosor, THRR Tigrosor, HARR Harsova, HARR Harsova, HARR Harsova, DOPR Dopca, PSZ Piszkesteto, PSZ Piszkesteto, PSZ Piszkesteto, NEHR Nehoiu, NEHR Nehoiu, KMBO Kilima Mbogo, KMBO Kilima Mbogo, KHC Kasperske Hory, KHC Kasperske Hory, MLR Muntele Rosu, MLR Muntele Rosu, MARR Marisel-Cluj, MARR Marisel-Cluj, MODS Modra-Piesok, MODS Modra-Piesok, ISR Istrita, ISR Istrita, CKRC Cesky Krumlov, CKRC Cesky Krumlov, GERE GERE Array B, GERE GERE Array B, BRTR Keskin Arr B, BRTR Keskin Arr B, VOIR Voiron, VOIR Voiron, ARR Arges, ARR Arges, CONA Conrad Observa, CONA Conrad Observa, SIRR Siria, SIRR Siria, RONA Rosalia, RONA Rosalia, MOA Mollin, MOA Mollin, SURR Surduc, SURR Surduc, GZR Gura Zlata, GZR Gura Zlata, RAZG Razgrad, RAZG Razgrad, BIOA Bad Ischl, BIOA Bad Ischl, BZS Buzias, BZS Buzias, ARSA Arzberg, ARSA Arzberg, LESA Schwarzealpe, LESA Schwarzealpe, MORH Mray, MORH Mray, RETA Reutte, RETA Reutte, WATA Walderalm, WATA Walderalm, KBA Koelbreinsper, KBA Koelbreinsper, MOTA Moosalm, MOTA Moosalm, WTTA Wattenberg, WTTA Wattenberg, SOKA Sankt Quirin, SOKA Sankt Quirin, SOKA Soboth, SOKA Soboth, DAVA Damuels, DAVA Damuels, MDVR Moldavia, MDVR Moldavia, FETA Feichten, FETA Feichten, OBKA Obir, OBKA Obir, MYKA Terra Mystica, MYKA Terra Mystica, FRGS Fruska Gora, FRGS Fruska Gora, ABTA Altaltersbach, ABTA Altaltersbach, MMAI Mount Meron Ar, MMAI Mount Meron Ar, PDG Podgorica, PDG Podgorica, ESDC Sonseca Array, ESDC Sonseca Array, ESDC Sonseca Array, ESDC Sonseca Array, TORD Torrid Ar, TORD Torrid Ar

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, etc. Includes entries like MARNC Mare, Loyalty, MARNC Mare, Loyalty, PINNC Pines Island, PINNC Pines Island, LIFNC LIFUO, LIFNC LIFUO, YATNC Mamie plateau, YATNC Mamie plateau, I22FR PORTLAQUEURRE, I22FR PORTLAQUEURRE, OUENC Ouen Island, N, OUENC Ouen Island, N, DZM Mont Dzumac, DZM Mont Dzumac, DZM 26um, 1.1s, DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, DZM 496m, 0.3s, bazz=176, slow=19, SNR=161, ONTNC Ouen Toro, ONTNC Ouen Toro, ONTNC Ouen Toro, RTV Rentapao, RTV Rentapao, KOUNC Koumang, KOUNC Koumang, NFK Norfolk Island, NFK Norfolk Island, NFK Norfolk Island, MSFV Nonsavu, MSFV Nonsavu, MSFV Nonsavu, MSFV Nonsavu, YSA Yasawairara, YSA Yasawairara, DGTI Dogotuki, DGTI Dogotuki, RAOI Rapaotani, RAOI Rapaotani, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, GC1S Gold Coast 1 S, GC1S Gold Coast 1 S, FUNA Funafuti, FUNA Funafuti, GD1S Gladstone Soft, GD1S Gladstone Soft, TOZ Tahuroa Road, TOZ Tahuroa Road, EIDS Eidsvold, EIDS Eidsvold, EIDS Eidsvold, RKH1 Rockhampton Ha, RKH1 Rockhampton Ha, URZ Urewera, URZ Urewera, ARMA Armidale, ARMA Armidale, ARMA Armidale, RTZ Ruatuhuna, RTZ Ruatuhuna, BKZ Black Stump Fm, BKZ Black Stump Fm, AUPHS Peel High Scho, AUPHS Peel High Scho, RMQ Roma, RMQ Roma, RMQ Roma, MGCD Mangrove Creek, MGCD Mangrove Creek, MRZ Mangatainoka R, MRZ Mangatainoka R, AFI Afiamalu, AFI Afiamalu, AFI Afiamalu, AFI Afiamalu, BFZ Birch Farm, BFZ Birch Farm, TCW Tony Channel, TCW Tony Channel, TUWZ Tuamarina, TUWZ Tuamarina, SYDH Sydney Hard Ro, SYDH Sydney Hard Ro, BHW Baring Head, BHW Baring Head, AUAYR Ayr Stakes, AUAYR Ayr Stakes, AUDDS Dubbo College, AUDDS Dubbo College, INZ Inchbonnie, INZ Inchbonnie, TV1H Townsville Har, TV1H Townsville Har, LTZ Lake Taylor, LTZ Lake Taylor, AUUHS Ulladulla High, AUUHS Ulladulla High, CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, CTAO Charters Tower, CTAO Charters Tower, CTAO Charters Tower, CTAO Charters Tower, FZO Fox Glacier, FZO Fox Glacier, CNB Canberra Magne, CNB Canberra Magne, CNB Canberra Magne, CNB Canberra Magne, YNG Young, YNG Young, YNG Young, CAN Canberra, CAN Canberra, CAN Canberra, JCC Jackson Bay, JCC Jackson Bay, WKZ Wanaka, WKZ Wanaka, CMSA Cobar Meteorol, CMSA Cobar Meteorol, MILA Mila, MILA Mila, MILA Mila, QLP Quilpie, QLP Quilpie, QLP Quilpie, ODZ Otahua Downs, ODZ Otahua Downs, MTSU Mount Surprise, MTSU Mount Surprise, MTSU Mount Surprise, RABL Rabaul, RABL Rabaul, RABL Rabaul, WHZ Wether Hill Ro, WHZ Wether Hill Ro, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby

λ-103.00000°, NP2:φ=328.00000°, δ36.00000°, 1-72.00000°. Principal axes: T 1.5260, P10.00000, Azm225.00000°; N -0.1260, P10.00000°, Azm133.00000°; P -1.4040, P175.00000°, Azm358.00000°; nsta1 refers to body waves, cutoff=40s. Azm282.00000°; nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function ISC 04-15-02:16.8h.0.2, 21.725h.0.04; 169h.14E.0.04, h2km, n1071, 1-19/958, mb5.5/227, MS5.0/58.54C-48D, Southeast of Loyalty Islands

4d 14h

CD2	Chengdu	81.67	308	P	P	15 04 33.8 +1.1
CD2	comp=Z,20nm,0.8s					
HHC	Hu-ho-hao-te	82.04	320	i/P	P	15 04 36.5 +2.0
HHC	comp=Z,58nm,1.3s					
H4C	Fog Glacier	82.09	17	P	P	15 04 34.0 -0.4
H4C	comp=Z,660nm,4.9s					
CHGN	Chignik	82.42	18	P	P	15 04 35.6 -0.2
CHGN	comp=Z,22nm,0.8s					
CHGN	Chignik	82.42	18	P	P	15 04 36.4 +0.5
CHGN	comp=Z,22nm,0.8s					
BTO	Baotou	82.83	319	eP	P	15 04 41.4 +2.8
BTO	comp=Z,27nm,0.9s					
BTO	Baotou	82.83	319	eP	P	15 04 46.2 -0.3
BTO	comp=Z,1µm,8.1s					
BTO	Baotou	82.83	319	eP	P	15 04 48.3 -0.8
BTO	comp=Z,740nm,13.7s					
BTO	Baotou	82.83	319	eP	P	15 04 59.0 +0.8
BTO	comp=Z,690nm,15.3s					
BTO	Baotou	82.83	319	eP	P	15 05 09.2 +1.0
BTO	comp=Z,27nm,0.9s					
BTO	Baotou	82.83	319	eP	P	15 04 41.2 +1.0
BTO	comp=Z,740nm,13.7s					
BTO	Baotou	82.83	319	eP	P	15 04 39.7 -0.5
BTO	comp=Z,690nm,15.3s					
CHIR	Chirikof Island	82.83	19	P	P	15 04 37.7 -0.4
HIA	Hailar	83.20	330	d/P	P	15 04 41.2 +1.0
HIA	comp=Z,28nm,1.2s					
HIA	Hailar	83.20	330	d/P	P	15 04 39.7 -0.5
HIA	comp=Z,28nm,1.2s					
ZE	Zeya	83.38	336	i/P	P	15 04 43.0 +2.0
MND	Mandalay	83.41	297	P	P	15 04 43.2 +1.4
ELIB	Princess Elisa	83.69	190	d/P	P	15 04 41.1 -1.5
ELIB	comp=Z,27nm,1.1s					
ELIB	Sitkinak Island	83.89	19	P	P	15 04 50.8
SII	Sitkinak Island	83.89	19	P	P	15 04 44.4 +0.9
SII	comp=Z,27nm,1.1s					
R17K	Ugashik Creek	84.15	18	P	P	15 04 43.5 -1.3
R17K	comp=Z,62nm,1.3s					
R17K	Ugashik Creek	84.15	18	P	P	15 04 44.1 -0.6
R17K	comp=Z,62nm,1.3s					
M11K	Mekoryuk	84.24	12	P	P	15 04 44.9 -0.3
O14K	Tiguykauivert M	84.28	15	P	P	15 04 45.3 -0.1
LZH	Lanzhou	84.32	312	eP	P	15 04 48.0 +1.6
LZH	comp=Z,53nm,1.0s					
LZH	Lanzhou	84.32	312	eP	P	15 04 53.2 -1.4
LZH	comp=Z,53nm,1.0s					
O15K	Ungalikthiuk R	84.56	15	P	P	15 04 45.8 -1.1
PMSA	Palmer Station	84.62	160	P	P	15 04 45.8 -1.5
PMSA	comp=Z,63nm,1.2s					
R18K	Karluk	84.65	19	P	P	15 04 46.9 -0.4
N14K	Kuskokwak Cree	84.78	14	P	P	15 04 47.6 -0.3
Q17K	Contact Creek	84.82	18	P	P	15 04 47.4 -0.9
M13K	Dall Lake	84.85	13	P	P	15 04 48.1 -0.1
P16K	Nushagak River	84.90	16	P	P	15 04 48.0 -0.5
Q16K	King Salmon	84.96	17	P	P	15 04 48.2 -0.6
O16K	Kokwok River B	85.36	16	P	P	15 04 49.2 -1.6
O16K	comp=Z,210,SNR=0					
N15K	Kwethluk River	85.37	15	P	P	15 04 50.9 0.0
Q18K	Katmai Hardscr	85.39	18	P	P	15 04 50.1 -1.1
KDAK	Kodiak Island	85.40	19	P	P	15 04 50.6 -0.4
SEY	Seymchan	85.41	352	i/P	P	15 04 51.9 +0.9
SEY	comp=Z,21nm,1.3s					
SEY	Seymchan	85.41	352	P	P	15 04 50.9 -0.1
SEY	comp=Z,9.6nm,1.1s					
P17K	Kvichak River	85.46	17	P	P	15 04 50.2 -1.1
M14K	Bethel	85.46	14	P	P	15 04 51.6 +0.3
M14K	comp=Z,69nm,1.2s					
M14K	Bethel	85.46	14	P	P	15 04 50.7 -0.6
M15K	Kasigluk River	85.69	14	P	P	15 04 52.1 -0.4
O17K	Koliganek Bris	85.78	16	P	P	15 04 52.4 -0.5
L14K	Kuka Creek	85.83	13	Iamb	Iamb	15 04 54.7
L14K	comp=Z,75nm,1.4s					
L14K	Kuka Creek	85.83	13	P	P	15 04 07.1
L14K	comp=Z,633nm,19.0s					
P18K	Big Mountain	85.96	17	P	P	15 04 52.5 -1.4
N16K	Nishilik Lake	85.96	15	P	P	15 04 53.6 -0.2
K13K	Kusivak Mount	85.97	12	P	P	15 04 53.2 -0.6
Q19K	Cape Douglas	86.02	18	P	P	15 04 53.5 -0.7
Q19K	comp=Z,210,SNR=9.8					
Q19K	Cape Douglas	86.02	18	P	P	15 04 52.8 -1.4
TROLL	Troll, Antarti	86.06	184	i/P	P	15 04 53.4 -1.2
Q20K	Shuyak Island	86.13	19	P	P	15 04 54.0 -0.7
O18K	Koktuh Hills	86.35	17	P	P	15 04 55.8 0.0
O18K	comp=Z,22nm,0.9s					
O18K	Koktuh Hills	86.35	17	P	P	15 04 54.8 -1.0
L15K	Ungalik Mouta	86.39	14	P	P	15 04 55.4 -0.5
M16K	Timber Creek	86.39	15	P	P	15 04 56.5 +0.6
M16K	comp=Z,44nm,0.9s					
M16K	Timber Creek	86.39	15	P	P	15 04 56.1 +0.1
NVL	N'iazarevskaya	86.39	187	eP	P	15 04 57.6 +1.6
NVL	comp=Z,24nm,0.9s					
N17K	Nushagak Hills	86.40	16	P	P	15 04 55.8 -0.3
N17K	comp=Z,502nm,18.0s					
N17K	Nushagak Hills	86.40	16	P	P	15 04 55.7 -0.3
GAMB	Gambell	86.53	8	P	P	15 04 57.3 +0.8
P19K	Oil Pt	86.74	18	P	P	15 04 58.6 +0.8
N18K	Kilae Creek	86.87	16	P	P	15 04 56.5 -1.9
N18K	comp=Z,210,SNR=12					
N18K	Kilae Creek	86.87	16	P	P	15 04 58.0 -0.3
L16K	Owhat River	86.87	14	P	P	15 04 57.9 -0.3
L16K	comp=Z,209,SNR=5.2					
O19K	Port Alsworth	86.88	17	P	P	15 04 57.2 -1.1
J14K	Nanvaranak Lak	86.93	12	P	P	15 04 58.4 0.0
K15K	Wolf Creek Mout	86.93	13	Iamb	Iamb	15 05 01.4
K15K	comp=Z,64nm,1.4s					
K15K	Wolf Creek Mout	86.93	13	P	P	15 04 58.5 -0.1
M17K	Holitna River	87.09	15	P	P	15 05 00.2 +0.9
M17K	comp=Z,554nm,19.0s					
M17K	Holitna River	87.09	15	P	P	15 04 59.4 +0.1
HOM	Homer	87.21	19	P	P	15 05 00.5 +0.5
SNCC	San Nicolas Is	87.22	53	P	P	15 05 00.5 -0.2
O20K	Slope Mountain	87.28	18	P	P	15 05 01.3 +1.0

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VNA3	Neumayer Olymp	87.28	180	i/P	P	15 04 58.7 -1.7
N19K	Bonanza Creek	87.35	17	P	P	15 05 01.7 +1.0
SCZ2	Santa Cruz Isl	87.49	52	P	P	15 05 01.7 -0.3
L17K	Donlin	87.52	15	P	P	15 05 01.7 +0.3
HOPS	Hoiland Field	87.52	46	IAMs_20	IAMs_20	15 45 56.4
BRLK	Bradley Lake	87.52	19	Iamb	Iamb	15 05 03.4
BRLK	comp=Z,36nm,1.3s					
BRLK	Bradley Lake	87.52	19	Iamb	Iamb	15 47 00.6
BRLK	comp=Z,629nm,21.0s					
SAO	San Andreas Ge	87.52	49	Iamb	Iamb	15 05 03.9
BRSE	Bradley Lake S	87.55	19	P	P	15 05 02.9 +1.3
VNA2	Neumayer-Watz	87.57	181	i/P	P	15 05 00.4 -1.4
M18K	Stony River	87.57	16	P	P	15 05 01.7 +0.1
GDXM	Geysers	87.61	47	Iamb	Iamb	15 05 14.5
SBC	Santa Barbara	87.64	52	P	P	15 05 02.9 +0.2
PKM	Mpherson Peak	87.78	51	P	P	15 05 03.6 +0.1
SMMC	Simmler	87.85	51	P	P	15 05 04.0 +0.3
VNA1	Neumayer-Stat	87.86	181	i/P	P	15 05 01.8 -1.4
L18K	Granite Mounta	87.97	15	P	P	15 05 03.6 +0.1
J16K	Arvik River	88.01	13	P	P	15 05 03.9 +0.2
K17K	Iditarod	88.02	14	P	P	15 05 04.4 +0.6
CIS	Catalina Islan	88.11	53	P	P	15 05 04.7 -0.3
SEW	Seward	88.23	19	P	P	15 05 05.8 +1.0
KRMB	Red Mountain	88.27	44	P	P	15 05 06.0 +0.3
M19K	Big River Lodg	88.29	16	P	P	15 05 06.7 +1.6
N20K	Mount Spurr	88.30	18	P	P	15 05 06.2 +0.9
SPCR	Spurr Chakacha	88.30	18	P	P	15 05 06.3 +1.1
FMP	Fort Macarthur	88.35	53	P	P	15 05 06.2 +0.2
L19K	White Mountain	88.40	16	P	P	15 05 05.8 +0.1
KSXB	Camp Six Brod	88.44	43	P	P	15 05 06.3 -0.1
KSXB	comp=Z,46nm,1.1s					
OSI	Osito Audit: C	88.45	52	P	P	15 05 06.4 -0.1
Q22K	Cooper Landing	88.45	19	IAMs_20	IAMs_20	15 40 18.5
DECC	Green Verdugo	88.57	52	P	P	15 05 07.0 -0.1
M20K	Styr River	88.61	17	P	P	15 05 08.1 +1.4
ARVC	Arvin	88.61	51	P	P	15 05 07.2 -0.1
PASC	Pasadena Art C	88.64	52	Iamb	Iamb	15 05 08.6
Q23K	Middleton Isl	88.70	21	P	P	15 05 07.9 +0.8
TTA	Tatalina	88.75	15	P	P	15 05 08.1 +0.8
TTA	comp=Z,210,SNR=7.9					
TTA	Tatalina	88.75	15	P	P	15 05 07.7 +0.4
GTA	Gaotai	88.76	314	eP	P	15 05 08.2 +0.2
GTA	comp=Z,10.0nm,1.3s					
YES	Vestal, Richgr	88.76	51	P	P	15 05 07.6 -0.4
VOF	Valley Oaks Go	88.77	50	P	P	15 05 07.8 -0.1
L22K	Cave Junction	88.79	43	Iamb	Iamb	15 05 10.1
ULN	Ulaanbaatar	88.79	323	d/P	P	15 05 08.6 +0.6
ULN	comp=Z,127nm,1.3s					
109C	Camp Elliot, M	88.86	54	Iamb	Iamb	15 05 19.6
109C	comp=Z,36nm,1.1s					
109C	Camp Elliot, M	88.86	54	P	P	15 05 08.6 +0.1
G15K	Niuluk	88.88	11	P	P	15 05 08.3 +0.6
CMB	Columbia Colle	88.88	48	Iamb	Iamb	15 05 10.0
L20K	Farewell, AK	88.90	16	P	P	15 05 07.8 -0.2
RC01	Rabbit Creek A	88.93	19	P	P	15 05 08.7 +0.6
F14K	Arctic Creek	88.93	10	P	P	15 05 08.2 +0.2
SUA	Susitna One	88.93	18	P	P	15 05 07.7 -0.6
CBX	Cerro Bola	88.93	55	Iamb	Iamb	15 05 20.3
ELS	Elsinoer Moun	88.96	53	Iamb	Iamb	15 05 12.9

PINM	Pinnacle	91.31	23	P	P	15 05 19.0	-0.3
PNL	Peninsula	91.32	23	P	P	15 05 19.0	-0.4
113A	Michael Valley	91.34	55	Iamb	Iamb	15 05 31.6	
S31K	Pelican	91.40	26	P	P	15 05 19.4	-0.2
D17K	Noatak River	91.50	10	P	P	15 05 20.5	+0.5
CTG	Chitna Glacier	91.53	22	P	P	15 05 19.6	-0.9
CTGM	Chitna Glacie	91.54	22	Iamb	Iamb	15 05 21.6	
NEE2	Needles Airpor	91.54	53	P	P	15 05 20.7	-0.3
U33K	Whale Pass	91.54	28	P	P	15 05 19.7	-0.6
LOGN	Mount Hood Mea	91.55	22	Iamb	Iamb	15 05 32.6	
HOOD	Mount Hood Mea	91.60	41	Iamb	Iamb	15 36 38.7	
I21K	Tanana	91.61	15	Iamb	Iamb	15 05 21.1	
I21K	Tanana	91.61	15	P	P	15 05 20.0	-0.6
P1XK	Paxson	91.66	19	P	P	15 05 22.1	+1.2
C16K	Lisburne Hills	91.67	9	P	P	15 05 21.9	+1.2
E18K	Tukpahlearik C	91.68	11	P	P	15 05 21.3	+0.5
PDMC1	Parker Dam, Lak	91.70	54	P	P	15 05 21.5	-0.1
F19K	Shalerucik Mo	91.70	12	Iamb	Iamb	15 05 22.0	
F19K	Shalerucik Mo	91.70	12	P	P	15 05 21.0	+0.1
214A	Organ Pipe Nat	91.73	56	Iamb	Iamb	15 05 23.8	
214A	Organ Pipe Nat	91.73	56	P	P	15 05 21.7	-0.3
V35K	Ketchikan	91.74	29	Iamb	Iamb	15 05 35.0	
V35K	Ketchikan	91.74	29	P	P	15 05 21.7	+0.4
S32K	Killsnoo	91.77	27	P	P	15 05 20.8	-0.6
V12A	Nelson	91.78	52	Iamb	Iamb	15 05 24.5	
MLY	Manley	91.80	16	P	P	15 05 21.6	+0.1
O28M	Mount Upton	91.80	22	P	P	15 05 20.9	-0.9
H21K	Melozitna Rive	91.80	15	P	P	15 05 20.8	-0.6
CBB	Campbell River	91.87	36	Iamb	Iamb	15 05 35.6	
NEA2	Nenana	91.89	17	P	P	15 05 22.3	+0.4
SHPR	Sheep Range	91.89	51	Iamb	Iamb	15 05 25.3	
P29M	Windy Craggy	91.92	24	P	P	15 05 21.7	-0.4
M26K	Nabesna, AK	92.01	20	Iamb	Iamb	15 05 23.6	
M26K	Nabesna, AK	92.01	20	P	P	15 05 21.9	-0.6
O29M	Mount Kennedy	92.06	23	Iamb	Iamb	15 05 23.5	
O29M	Mount Kennedy	92.06	23	P	P	15 05 22.4	-0.5
WRAK	Wrangell Islan	92.07	28	Iamb	Iamb	15 05 24.2	
WRAK	Wrangell Islan	92.07	28	P	P	15 05 21.9	-0.9
WVOR	Wild Horse Val	92.14	45	Iamb	Iamb	15 05 35.1	
MENT	Mentasta	92.18	20	P	P	15 05 22.2	-1.1
G06A	Carlson Farm	92.19	42	Iamb	Iamb	15 05 40.4	
K24K	Donnelly Dome	92.20	18	P	P	15 05 22.3	-1.0
W13A	Hualapai Mount	92.23	53	Iamb	Iamb	15 05 35.9	
ZAK	Zakamensk	92.25	324	eP	pmax	15 05 23.0	-1.0
ZAK							
CCB	Clear Creek Bu	92.27	17	Iamb	Iamb	15 05 23.2	
R32K	Eaglecrest	92.30	26	IAMS_20	IAMS_20	15 51 53.7	
YUK8	Steele Glacier	92.31	22	P	P	15 05 23.2	-1.0
F20K	Avarart Lake	92.31	13	Iamb	Iamb	15 05 25.1	
F20K	Avarart Lake	92.31	13	P	P	15 05 23.5	-0.2
HDA	Harding Lake	92.33	18	Iamb	Iamb	15 05 23.8	
HDA	Harding Lake	92.33	18	P	P	15 05 22.8	-1.1
PLBC	Pleasant Camp	92.33	25	P	P	15 05 23.4	-0.6
H22K	Ishtaliitna Cre	92.34	15	P	P	15 05 23.2	-0.7
M27K	Edge Creek, AK	92.35	21	Iamb	Iamb	15 05 25.5	
M27K	Edge Creek, AK	92.35	21	P	P	15 05 23.0	-1.2
G21K	Allakaket	92.35	14	Iamb	Iamb	15 05 25.0	
G21K				IAMS_20	IAMS_20	15 48 22.4	
G21K						15 05 23.7	-0.3
I07A	Izeze	92.35	43	Iamb	Iamb	15 05 26.1	
E19K	Redstone River	92.35	12	Iamb	Iamb	15 05 39.2	
E19K				IAMS_20	IAMS_20	15 37 21.4	
E19K						15 05 23.6	-0.3
JIS	Juneau Island	92.36	26	P	P	15 05 25.3	+1.2
L26K	Log Cabin Wild	92.36	20	P	P	15 05 23.0	-1.0
R11B	Troy Canyon, C	92.38	50	P	P	15 05 24.0	-1.0
MDM	Murphy Dome	92.40	17	Iamb	Iamb	15 05 23.7	
YUK3	Moose Creek	92.41	22	P	P	15 05 23.4	-1.2
COLA	College	92.44	17	P	P	15 05 23.2	-1.1
COLA	College	92.44	17	P	P	15 05 22.8	-1.5
P30M	Million Dollar	92.54	24	P	P	15 05 24.3	-0.7
YUK6	Outpost Mounta	92.57	23	P	P	15 05 24.4	-1.0
IL31		92.62	17	Iamb	Iamb	15 05 35.6	
ILAR	Eielson Array	92.62	17	P	P	15 05 23.8	-1.5
ODAN	Odare	92.64	298	eP	P	15 05 26.6	+0.1
C18K	Ulukok River	92.67	10	P	P	15 05 25.0	-0.4
J08A	Circle Bar Ran	92.67	44	Iamb	Iamb	15 05 27.4	
IRK	Irkutsk	92.71	326	eP	pmax	15 05 25.4	-0.6
BVCY	Beaver Creek	92.72	21	P	P	15 05 24.8	-1.0
SKAG	Skagway	92.73	25	Iamb	Iamb	15 05 37.0	
SKAG	Skagway	92.73	25	P	P	15 05 26.3	+0.5
SKAG	Skagway	92.73	25	P	P	15 05 25.7	-0.1
POKR	Poker Plat Res	92.74	17	P	P	15 05 25.2	-0.5
H23K	Yukon River	92.74	16	P	P	15 05 24.9	-0.9
YUK4	Talbot Arm	92.74	22	P	P	15 05 24.6	-1.6

HYT	Haines Junctio	92.80	23	Iamb	Iamb	15 05 39.4	
HYT	Haines Junctio	92.80	23	P	P	15 05 25.1	-1.2
SCRK	Sand Creek	92.86	19	P	P	15 05 25.0	-1.5
L27K	Beaver Creek,	92.86	20	P	P	15 05 25.4	-1.1
J25K	Salcha River,	92.93	18	Iamb	Iamb	15 05 26.9	
J25K				IAMS_20	IAMS_20	15 48 23.9	
J25K						15 05 25.2	-1.5
F21K	Alatna River	92.94	14	P	P	15 05 26.2	-0.5
D19K	Kuna River	93.08	12	P	P	15 05 25.5	-1.8
D19K				IAMS_20	IAMS_20	15 37 29.6	
D19K						15 05 27.1	-0.2
G22K	Bettles	93.14	14	P	P	15 05 27.2	-0.4
LTY	Liberty	93.14	40	Iamb	Iamb	15 05 29.4	
H24K	Noodor Dome	93.17	16	IAMS_20	IAMS_20	15 48 20.3	
H24K						15 05 28.2	+0.3
B18K	Kokolik River	93.21	10	P	P	15 05 27.8	0.0
E20K	Nig-River	93.24	12	P	P	15 05 27.8	-0.3
O30N	Mendenhall	93.29	24	Iamb	Iamb	15 05 29.1	
O30N						15 05 27.4	-1.1
E07A	Sunnyside	93.30	41	Iamb	Iamb	15 05 40.2	
R23K	Bananza Creek	93.32	15	P	P	15 05 27.8	-0.7
GAMN	Ramite	93.33	298	eP	P	15 05 30.6	+0.9
T35M	Bob Quinn	93.33	29	P	P	15 05 28.0	-0.8
C19K	Lookout Ridge	93.35	11	P	P	15 05 27.7	-0.9
J26L	Joseph Creek	93.37	19	Iamb	Iamb	15 05 30.4	
J26L						15 05 28.0	-0.8
N30M	Aishikik Lake	93.38	23	P	P	15 05 28.0	-0.8
HAWA	Hanford	93.42	41	Iamb	Iamb	15 05 30.9	
HAWA				IAMS_20	IAMS_20	15 37 28.1	
TUC	Tucson	93.45	57	P	P	15 05 28.5	-1.4
P32M	Atlin	93.45	25	P	P	15 05 28.8	-0.4
F22K	John River	93.46	14	P	P	15 05 28.9	-0.2
K27K	Chicken	93.48	19	Iamb	Iamb	15 05 40.7	
K27K						15 05 28.7	-0.5
LCMT	Little Creek M	93.50	52	Iamb	Iamb	15 05 32.5	
S34M	Telegraph Cree	93.50	28	P	P	15 05 29.3	-0.1
SPR3	Spring Creek 3	93.55	49	Iamb	Iamb	15 05 41.5	
D20K	Etlivuk River	93.55	12	P	P	15 05 29.4	-0.1
M29M	Somme Creek	93.55	22	P	P	15 05 29.0	-0.8
PRP	Porcupine Dome	93.56	17	P	P	15 05 29.4	-0.4
Q32M	Nakina River	93.65	26	Iamb	Iamb	15 05 41.5	
Q32M						15 05 29.6	-0.7
WHY	Whitehorse	93.67	24	P	P	15 05 29.7	-0.6
COLD	Coldfoot	93.69	15	P	P	15 05 29.5	-0.6
PSUT	Pine Spring	93.69	50	Iamb	Iamb	15 05 33.5	
E08A	Dider Farm, Et	93.75	41	Iamb	Iamb	15 05 42.1	
X16A	Lo Mia Camp,	93.78	55	Iamb	Iamb	15 05 34.1	
N31M	Braeburn, Yuko	93.87	23	P	P	15 05 30.4	-0.7
N31M				Iamb	Iamb	15 05 43.9	
N31M						15 05 30.1	-1.0
J1RN	Jiri	93.94	298	eP	P	15 05 32.1	-0.6
G24K	Hadweenzic Riv	93.95	16	P	P	15 05 31.2	-0.1
U15A	North Rim	93.96	52	P	P	15 05 33.2	+0.7
U15A				Iamb	Iamb	15 05 35.1	
H25L	Birch Creek	94.05	17	P	P	15 05 31.2	-0.5
E22K	Anaktuvuk Pass	94.06	14	P	P	15 05 31.5	-0.3
E22K				Iamb	Iamb	15 05 44.7	
E22K						15 05 31.6	-0.3
A19K	Wainwright	94.08	10	P	P	15 05 31.3	-0.4
I26K	Coal Creek Min	94.08	18	Iamb	Iamb	15 05 33.4	
I26K						15 05 30.9	-1.0
L29M	L29M	94.11	21	Iamb	Iamb	15 05 33.6	
L29M						15 05 31.4	-0.8
MOY	Mondy	94.15	325	eP	pmax	15 05 33.2	+0.5
MOY						15 05 31.5	-1.1
P33M	Teslin, Yukon	94.19	25	P	P	15 05 32.2	-0.4
M30M	Minto, Yukon	94.22	22	P	P	15 05 33.8	
M30M				Iamb	Iamb	15 05 31.9	-0.8
WUAZ	Wupatki	94.27	54	P	P	15 05 33.7	-0.1
C21K	Knifeblade Rid	94.28	12	P	P	15 05 32.3	-0.5
DLBC	Dease Lake	94.28	27	P	P	15 05 32.5	-0.6
GUN	Gumba	94.28	298	eP	P	15 05 33.6	-0.6
EGAK	Eagle	94.29	19	P	P	15 05 31.7	-1.2
EGAK				Iamb	Iamb	15 05 46.0	
EGAK						15 05 32.0	-0.9
DAWY	Dawson	94.35	20	P	P	15 05 33.1	-0.2
DAWY				Iamb	Iamb	15 05 34.4	
DAWY						15 05 32.9	-0.8
G25K	Bearman Lake	94.35	16	P	P	15 05 32.3	-0.9
R33M	Jennings River	94.45	26	Iamb	Iamb	15 05 36.1	
R33M						15 05 33.0	-0.9
F24K	Squaw Lake	94.48	15	IAMS_20	IAMS_20	15 38 14.7	
F24K						15 05 33.6	-0.2
D22K	Aiyikyak River	94.48	13	Iamb	Iamb	15 05 47.5	
D22K				IAMS_20	IAMS_20	15 37 23.6	
D22K						15 05 34.1	+0.4
PKI	Pulchoki	94.54	298	eP	P	15 05 35.9	+0.5

PKIN	Phulchoki	94.56	298	eP	P	15 05 35.7	+0.3
B20K	Meade River	94.56	11	P	P	15 05 34.2	+0.2
N32M	Quil Lake	94.67	24	P	P	15 05 34.0	-0.8
B21K	Ikpikpuk River	94.70	12	Iamb	Iamb	15 05 48.8	
B21K	Ikpikpuk River	94.70	12	P	P	15 05 34.8	+0.1
I27K	Kandik River	94.74	18	P	P	15 05 34.5	-0.6
E24K	Your Creek	94.77	15	P	P	15 05 33.8	-1.3
DMN	Daman						

4d 15h

Table with columns for station call letters, location, time, and other details. Includes stations like Norfolk Island, Papeete, Taravao, Ouhahuta, etc.

2017 NOV

Table with columns for station call letters, location, time, and other details. Includes stations like PMG, Port Moresby, CAN, CAN, CAN, etc.

302

Table with columns for station call letters, location, time, and other details. Includes stations like VVDA, MEEK, MEEK, KLBR, etc.

4d 15h

Table with columns: ID, Name, Frequency, Band, Mode, Power, SNR, etc. Includes entries like L19K White Mountain, V35K Ketchikan, V35K comp=Z,2um,20.0s, etc.

2017 NOV

Table with columns: ID, Name, Frequency, Band, Mode, Power, SNR, etc. Includes entries like U35K Hyder, U35K comp=Z,3um,21.0s, PINM Pinnacle, etc.

304

Table with columns: ID, Name, Frequency, Band, Mode, Power, SNR, etc. Includes entries like S34M Telegraph Cree, S34M Telegraph Cree, GCSA Galena City Sc, etc.

4d 15h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WMOK, ELIS, E27K, etc.

2017 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OK033, OK052, DEOK, etc.

306

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ECSD, EROS Data Cent, BO01, etc.

F36A	Milaca	93.81	44	I	Amb	I	Amb	15	37	51.3
F36A	Milaca	93.81	44	P	P	P	P	15	37	48.7 -0.4
PARMO	Parma	93.86	53	P	P	P	P	15	37	49.1 -0.5
SPMM	Marine on St.	94.10	44	I	Amb	I	Amb	15	37	52.7
SPMM	Marine on St.	94.10	44	P	P	P	P	15	37	49.9 -0.6
SPMM	Marine on St.	94.10	44	P	P	P	P	15	37	51.3 +0.8
CGM3	Cape Girardeau	94.10	53	P	P	P	P	15	37	50.1 -0.6
AC06	Mina Casimiro	94.12	120	I	Amb	I	Amb	16	09	42.1
NVL	N'azarevskaya	94.13	182	eP	P	P	P	15	37	50.6 +0.4
N41A	Harden Midland	94.15	49	P	P	P	P	15	37	49.5 -1.3
N41A	Harden Midland	94.15	49	P	P	P	P	15	37	50.6 -0.2
L40A	Anamosa	94.27	48	P	P	P	P	15	37	51.3 -0.1
CFA	Coronel Fontan	94.41	124	LR			LR	16	12	50.8
ULN	Ulanbatar	94.42	318	P	P	P	P	15	37	49.7 -2.4
ULN	Ulanbatar	94.42	318	iP	P	P	P	15	37	51.3 -0.4
B35A	Bob, Littlefor	94.44	41	I	Amb	I	Amb	15	37	53.3
B35A	Bob, Littlefor	94.44	41	P	P	P	P	15	37	50.9 -1.1
S44A	Carbondale	94.52	52	P	P	P	P	15	37	52.8 +0.2
BRAL	Brewton	94.56	59	I	Amb	I	Amb	16	20	40.8
BRAL	Brewton	94.56	59	P	P	P	P	15	37	52.4 -0.5
PLAL	Pickwick Lake	94.72	55	I	Amb	I	Amb	15	37	56.8
PLAL	Pickwick Lake	94.72	55	I	Amb	I	Amb	16	13	53.5
S0NM	Songiro Array	94.84	318	P	P	P	P	15	37	53.5 -0.5
S0NM	Songiro Array	94.84	318	PP	P	P	P	15	41	39.4 -3.6
S0NM	Songiro Array	94.84	318	LR			LR	16	15	17.3
P43A	Skaggs, Pawnee	94.84	50	P	P	P	P	15	37	54.1 +0.1
TIXI	Tiksi	94.90	344	P	P	P	P	15	37	52.0 -1.5
TIXI	Tiksi	94.90	344	P	P	P	P	15	37	52.0 -1.5
TIXI	Tiksi	94.90	344	P	P	P	P	15	37	52.0 -1.5
Q44A	Niever Farm, Va	95.02	51	P	P	P	P	15	37	54.9 +0.1
LRAL	Lakeview Retre	95.08	57	I	Amb	I	Amb	16	16	02.4
LRAL	Lakeview Retre	95.08	57	P	P	P	P	15	37	54.5 -0.8
JFWS	Jewell Farm	95.20	47	P	P	P	P	15	37	54.7 -0.9
JFWS	Jewell Farm	95.20	47	P	P	P	P	15	37	54.8 -0.8
JFWS	Jewell Farm	95.20	47	P	P	P	P	15	37	55.2 -0.4
I40A	Norwalk	95.21	46	P	P	P	P	15	37	55.0 -0.7
HDIL	Hopedale	95.25	50	P	P	P	P	15	37	55.0 -0.9
HDIL	Hopedale	95.25	50	P	P	P	P	15	37	55.7 -0.2
L42A	Oliver, Polo	95.37	48	P	P	P	P	15	37	55.2 -1.2
X48A	Hartselle	95.40	56	P	P	P	P	15	37	56.3 -0.4
250A	Grady	95.41	58	P	P	P	P	15	37	57.6 +0.8
EYMN	Ely	95.75	42	I	Amb	I	Amb	16	14	35.1
EYMN	Ely	95.75	42	P	P	P	P	15	37	56.8 -1.2
Y49A	Blount Mountai	95.76	57	I	Amb	I	Amb	15	38	01.2
Y49A	Blount Mountai	95.76	57	P	P	P	P	15	37	58.1 -0.3
G40A	Rib Lake	95.87	45	I	Amb	I	Amb	15	38	00.7
G40A	Rib Lake	95.87	45	P	P	P	P	15	37	58.6 -0.1
L47A	Sharon Grove	95.99	53	P	P	P	P	15	37	59.7 +0.4
TA01	Cedars of Leba	96.37	54	I	Amb	I	Amb	15	38	02.7
TA01	Diego Arcacena	96.49	113	I	Amb	I	Amb	16	11	38.6
HQIL	Hanson Quarry C	96.62	49	I	Amb	I	Amb	16	16	59.2
L44A	Lake County Fo	96.68	48	I	Amb	I	Amb	16	15	35.5
L44A	Lake County Fo	96.68	48	P	P	P	P	15	38	00.9 -1.5
COWI	Conover	96.81	44	P	P	P	P	15	38	02.7 -0.2
CFIN	Lafayette	96.83	50	P	P	P	P	15	38	02.5 -0.6
152A	Waverly Hall	96.85	58	P	P	P	P	15	38	03.8 +0.4
U49A	Red Boiling Sp	96.91	54	P	P	P	P	15	38	03.1 -0.4
WC1	Wyandotte Cave	96.92	52	P	P	P	P	15	38	02.0 -1.5
LVC	Limon Verde	96.94	116	LR			LR	16	12	05.3
W50A	Signal Mountai	96.97	56	P	P	P	P	15	38	03.9 0.0
GTA	Gaotai	97.21	309	eP	P	P	P	15	38	05.6 +0.5
GTA	Gaotai	97.21	309	pP	P	P	P	15	38	09.4 -2.9
IRK	Irkutsk	97.39	322	eP	P	P	P	15	38	03.6 -1.7
D41A	Chassel	97.42	43	P	P	P	P	15	38	05.3 -0.3
TIGA	Tifton	97.50	60	P	P	P	P	15	38	04.7 -1.6
ZAK	Zakamensk	97.51	320	eP	P	P	P	15	38	04.7 -1.3
G001	Chusmiza	97.66	113	I	Amb	I	Amb	16	12	12.5
Y52A	Liburn	97.66	57	P	P	P	P	15	38	06.8 -0.3
Y52A	Liburn	97.66	57	P	P	P	P	15	38	06.8 -0.3
V51A	Loudon	97.87	55	P	P	P	P	15	38	07.8 -0.1
GOGA	Godfrey	98.04	58	I	Amb	I	Amb	16	20	21.9
GOGA	Godfrey	98.04	58	P	P	P	P	15	38	07.2 -1.5
O48L	Farmland	98.25	51	P	P	P	P	15	38	08.2 -1.3
TKL	Tuckaleechee C	98.29	55	P	P	P	P	15	38	09.5 -0.3
TKL	Tuckaleechee C	98.29	55	LR			LR	16	18	02.4
E43A	Lone Tree Farm	98.32	44	P	P	P	P	15	38	09.6 -0.1
P49A	Miami Univ. Ec	98.42	51	I	Amb	I	Amb	16	18	12.4
P49A	Miami Univ. Ec	98.42	51	I	Amb	I	Amb	15	15	22.9
P49A	Miami Univ. Ec	98.42	51	P	P	P	P	15	38	09.4 -0.9
R50A	Paris	98.44	53	P	P	P	P	15	38	10.1 -0.3
R50A	Paris	98.44	53	P	P	P	P	15	38	10.1 -0.3
V52A	Sevierville	98.47	55	I	Amb	I	Amb	15	38	14.6
V52A	Sevierville	98.47	55	P	P	P	P	15	38	10.0 -0.7
TZTN	Tazewell	98.66	55	P	P	P	P	15	38	10.7 -0.7
GLMI	Grayling	99.61	46	P	P	P	P	15	38	14.8 -0.7
LPAZ	La Paz	99.71	110	LR			LR	16	15	23.7

comp=Z,523nm,19.9s	baz=272,slo=31									
AAM	Ann Arbor	99.78	49	I	Amb	I	Amb	16	21	28.8
AAM	Ann Arbor	99.78	49	P	P	P	P	15	38	15.6 -0.7
ACSO	Alum Creek Sta	99.87	51	P	P	P	P	15	38	15.8 -0.9
KM5C	Kings Mountain	100.13	56	P	P	P	P	15	38	17.6 -0.5
E46A	Sault Ste Mari	100.14	45	P	P	P	P	15	38	17.8 0.0
P52A	Corning	100.39	52	P	P	P	P	15	38	18.2 -0.8
NH5C	New Hope	100.67	59	I	Amb	I	Amb	16	19	39.7
O53A	New Philadelph	101.20	51	I	Amb	I	Amb	16	17	51.6
CN5C	Cliffs of the	102.92	57	I	Amb	I	Amb	16	19	39.0
ETMB	Extrema	103.54	104	I	Amb	I	Amb	16	22	28.4
EUNU	Eureka	104.36	10	iP	P	P	P	15	38	42.8 +6.9
PALK	Pallekele	107.33	273	I	Amb	I	Amb	16	29	28.8
ALE	Alert	107.71	7	I	Amb	I	Amb	16	25	45.0
ZALV	Zalesovo Beam	109.20	322	P	P	P	P	15	38	56.3 -0.9
ZALV	Zalesovo Beam	109.20	322	PKP	P	P	P	15	43	00.9 -0.9
ZALV	Zalesovo Beam	109.20	322	PP	P	P	P	15	43	30.8 +0.1
MK31	Makanchi Array	110.83	315	iP	P	P	P	15	43	02.5 -2.6
MKAR	Makanchi Array	110.83	315	P	P	P	P	15	39	05.1 -0.3
MKAR	Makanchi Array	110.83	315	PKP	P	P	P	15	43	04.5 -0.6
MKAR	Makanchi Array	110.83	315	PKP	P	P	P	15	54	04.2 -0.3
MKAR	Makanchi Array	110.83	315	PKP	P	P	P	15	43	08.9 -0.4
KURK	Kurchatov	113.13	319	iP	P	P	P	15	43	08.9 -0.4
KURK	Kurchatov	113.13	319	P	P	P	P	16	21	42.5
SABA	Saba	113.16	17	I	Amb	I	Amb	16	21	42.5
KURBB	Kurchatov Ara	113.20	319	PKP	P	P	P	15	44	00.4 -1.0
KURBB	Kurchatov Ara	113.20	319	PP	P	P	P	15	44	00.7 +1.2
KURBB	Kurchatov Ara	113.20	319	PP	P	P	P	15	53	56.6 -0.1
SPB	Sao Paulo	114.46	125	I	Amb	I	Amb	16	26	13.8
MPOH	Morne Pois Mar	114.88	81	I	Amb	I	Amb	16	23	46.4
KSH	Kashi	115.51	307	PKP	P	P	P	15	43	20.4 +6.0
BVAR	Borovoye Array	117.86	322	PKP	P	P	P	15	43	17.5 -0.9
BRVK	Borovoye	117.92	322	PKP	P	P	P	15	43	17.9 -0.5
BRVK	Borovoye	117.92	322	PKP	P	P	P	15	43	17.9 -0.5
SVE	Sverdlorsk	122.08	328	iP	P	P	P	15	43	25.7 -0.6
SVE	Sverdlorsk	122.08	328	P	P	P	P	15	43	25.7 -0.6
SVE	Sverdlorsk	122.08	328	MLR			MLR	16	20	00.0
ARU	Arti	123.30	329	iP	P	P	P	15	43	27.9 -0.8
ARU	Arti	123.30	329	PKP	P	P	P	15	43	27.9 -0.8
ARU	Arti	123.30	329	PKP	P	P	P	15	50	39.7
ARU	Arti	123.30	329	PKP	P	P	P	15	53	01.4 -1.8
ARU	Arti	123.30	329	PKP	P	P	P	15	43	28.3 -0.4
ARCES	ARCESS Array B	124.48	352	PKP	P	P	P	15	43	29.8 -0.8
APA	Apaitiy	124.92	348	iP	P	P	P	15	43	30.0 -1.5
APA	Apaitiy	124.92	348	P	P	P	P	15	43	31.9 -0.7
AKTO	Aktubinsk	125.97	322	PKP	P	P	P	15	43	33.6 -0.3
PRGR	Permogore	126.05	338	ePKP	P	P	P	15	43	31.9 -1.9
PRGR	Permogore	126.05	338	P	P	P	P	16	31	41.3
VOI	Voitsk	126.12	228	I	Amb	I	Amb	16	31	41.3
KIRV	Kirov	126.48	334	iP	P	P	P	15	43	33.5 -1.2
KIRV	Kirov	126.48	334	PKP	P	P	P	15	43	34.4 -0.3
MSEY	Melend	127.86	252	I	Amb	I	Amb	16	36	53.7
KLMR	Klimovskoe	128.70	340	ePKP	P	P	P	15	43	36.8 -2.1
KLMR	Klimovskoe	128.70	340	AMP			AMP	16	43	50.8
KLMR	Klimovskoe	128.70	340	LQ			LQ	16	26	13.0
KLMR	Klimovskoe	128.70	340	LQ			LQ	16	26	13.0
KLMR	Klimovskoe	128.70	340	LR			LR	16	32	35.2
KLMR	Klimovskoe	128.70	340	LR			LR	16	39	52.0
KLMR	Klimovskoe	128.70	340	AMP			AMP	16	40	04.6
KLMR	Klimovskoe									

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like MTN Manton Dam, WRKA Warakuna, and many others.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like P17K Kvichak River, O16K Kokwok River B, and many others.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like TX32 Lajitas Array, PLBC Pleasant Camp, and many others.

4d 15h

Table with columns: HD, comp-Z, pmax, pmax, and various station names like MSTX, STX, M31M, F21K, G22K, C17K, DAWY, etc.

2017 NOV

Table with columns: comp-Z, 6.7nm, 0.6s, and various station names like MORC, EIL, MAUC, HSKC, PRU, etc.

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Table with columns: WRAB, WRA, AS31, ASAR, ASAR, MNTN, MTN, SBA, VNSA, VNSA, MJAR, QSPA, QSPA, TXAR, ILAR, PDAR, VNA3, VNA2, VNA1, ZVC, KHC, BRTR, CKRC, GERES, CONA, RONA, MOA, BIOA, RETA, WTTA, WTTA, MOTA, MOTA, MYKA, SOKA, SOKA, DAVA, FETA, MYKA, ABTA, ESDC, etc.

NEIC 04 15:42:48.2,2.8, 14.98S:0.06:173.2W:0.1, h10km, 1km, mb4.6/22, Error ellipse: s-maj=2.12km s-min=7.4km

IDC 04 15:42:49.0-4.0, 17.05S:173.67W, mb4.3/8, mbmp4.3/8, MS4.4/2, Error ellipse: s-maj=32.2km s-min=19.1km az=129.0

GMCT 04 15:42:57.2,0.3, 15.06S:0.02:173.17W:0.02, h24km, MW5.2/95, Moment Tensor Solution. s28,c35; s95,c132; Duration: 0 Moment tensor: Scale 1016Nm; Mr: 7.04e-44; Mw: 6.05e-26; Mw0.98e-23; Mw1.80e-25; Mw0.65e-14; Mw2.07e-33; Best double couple: M7.06200x1016 NP1: 3e262.00000, 654.00000, -1.08.00000. NP2: 0e110.00000, 840.00000, -6.88.00000. Principal axes: T: 6.3210, P1g7.0000, Azm2.0000, N: 1.4820, P1g14.0000, Azm273.0000, P: 7.8040, P1g7.0000, Azm120.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 04 15:42:54.0,0.6, 15.05S:0.1x173.8W:0.1, h35km, m64, i138/54, mb4.5/20, 3C, Tonga Islands

Code Station Name Az AZZ Phase ID Time Res

Table with columns: Code, Station Name, Az, AZZ, Phase ID, Time, Res, and various station names like NIUE, MSVF, LIFNC, LIFNC, ONTC, TOZ, TOZ, RTZ, RTZ, HNR, DSZ, PATS, LTZ, WKZ, WAZ, ARMA, ARMA, H11S2, H11S3, H11S1, H11N2, H11N1, H11N2, COEN, COEN, TOO, TOO, STKA, STKA, WBO, WBO, etc.

IDC 04 15:58:25.0,0.5, 21.74S:169.21E, h0km, mb5.0/22, mbmp4.9/24, ML5.7/2, MS4.4/2, Error ellipse: s-maj=15.6km s-min=14.3km az=99.0

MOS 04 15:58:26.7,1.0, 21.71S:169.02E, h10km, mb5.5/37, Error ellipse: s-maj=9.4km s-min=7.7km az=130.2

BUJ 04 15:58:26.1,0.0, 21.26S:169.40E, h5km, mb5.2/58, mb5.6/33, MS5.3/16, M57.5/0/14

NOU 04 15:58:26.8,2.1, 67S:169.17E, h10km, mb5.2/63, Southeast of Loyalty Islands

NEIC 04 15:58:28.9,2.7, 21.76S:0.07:168.91E:0.07, h10km, 1km, mb5.5/16, MW5.2/16, Error ellipse: s-maj=12.4km s-min=10.8km az=169.0

NEIC 04 15:58:29.1,54S:169.01E, h18km, Moment Tensor Solution. Duration: 1s1.0 Moment tensor: Scale 1016 Nm; Mr: -6.47; Mw3.318; Mw3.328; Mw0.97; Mw0.30; Mw-0.80; Fault plane solution: M6.72000x1016 NP1: 0e314.28000, 850.38000, -1.91.46000. NP2: 0e136.57000, 839.64000, -1.88.24000. Principal axes: T: 6.8514, P1g5.0000, Azm45.0000; N: -0.2630, Azm12.0000; Azm315.0000; P: -6.5883, P1g85.0000, Azm12.0000

NEIC 04 15:58:29.21,74S:168.90E, h18km GMCT 04 15:58:32.0,0.2, 21.80S:0.02:169.04E:0.02, h20km, MW5.2/10, Moment Tensor Solution. s48,c57; s100,c153; Duration: 1s0 Moment tensor: Scale 1017 Nm; Mr: -0.73e-03; Mw0.33e-02; Mw0.41e-02; Mw-0.25e-04; Mw0-0.11e-01; Mw0.07e-04; Best double couple: Mo: 8.0200x1017 NP1: 3e272.00000, -1.03.00000. NP2: 0e329.00000, 838.00000, -1.73.00000. Principal axes: T 0.8120, P1g8.0000, Azm22.0000; N -0.0200, P1g10.0000, Azm135.0000; P -0.7920, P1g7.0000, Azm35.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 04 15:58:30.2,0.6, 21.72S:169.03E:0.04, h28km, 3km, h27km, pp-P, n861, i19111783, mb5.4/167, MS4.5/31, 28C-55D, Southeast of Loyalty Islands

Code Station Name Az AZZ Phase ID Time Res

Table with columns: Code, Station Name, Az, AZZ, Phase ID, Time, Res, and various station names like MARNC, MARNC, MARNC, LIFNC, LIFNC, I22FR, QUENC, QUENC, QUENC, DZM, DZM, DZM, DZM, DZM, QUENC, QUENC, NOUC, RTV, DVP, KOUNC, KOUNC, NFK, NFK, MSVF, MSVF, etc.

MSVF	Nonsavu	9.37 67	Pn	Pn	16 00 44.5 +0.8
MSVF	Raoul Isian	13.95 125	LR	LR	16 03 28.8
RAO	comp-Z, 5um, 18.8s, baz=181, slow=33				16 05 38.2
OUZ	Omahuta	14.04 164	P	Pn	16 01 48.9 +1.5
HNR	Honihara	15.02 233	P	P	16 02 00.7 -0.1
HNR	Honihara	15.02 233	Pn	Pn	16 02 01.7 +0.9
HNR	31nm, 0.3s, baz=162, slow=8.7, SNR=13				16 06 46.4
EIDS	Eidsvold	16.86 254	P	Pn	16 02 25.4 +0.9
EIDS	Eidsvold	16.86 254	P	Pn	16 02 25.2 +0.7
EIDS	Eidsvold	16.86 254	P	P	16 02 25.2 +0.7
RK1H	Rockhampton Ha	17.21 261	P	P	16 02 31.0 +0.7
ARMA	Armidale	17.86 237	P	P	16 02 39.7 +2.0
ARMA	Armidale	17.86 237	P	P	16 02 39.6 +2.0
ARMA	Armidale	17.86 237	P	P	16 02 38.9 +1.3
URZ	Urewera	17.90 159	P	Pn	16 02 36.6 -0.7
URZ	5.3nm, 0.7s, baz=61, slow=14, SNR=1.2				16 07 51.0
RTZ	Ruatahuna	18.18 160	P	P	16 02 42.4 +1.4
BKZ	Black Stump Fm	18.53 161	P	Pn	16 02 46.6 +1.5
RMQ	Roma	19.10 252	P	P	16 02 52.9 +0.8
MGCO	Mangrove Creek	19.57 230	P	Pn	16 02 59.0 +1.4
RIV	Riverview	19.86 229	P	P	16 03 01.2 +0.1
TCW	Tory Channel	19.93 168	P	P	16 03 00.8 +0.7
TUWZ	Tuamarepa	20.05 129	P	P	16 03 02.5 +0.7
THZ	Tophouse	20.25 172	P	P	16 03 04.2 +0.6
CTA	Charters Tower	21.34 270	P	P	16 03 17.9 +2.4
CTA	Charters Tower	21.34 270	P	P	16 03 18.0 +2.4
CTA	Charters Tower	21.34 270	P	P	16 03 18.0 +2.4
CTA	18nm, 0.6s, baz=90, slow=11, SNR=44				16 11 08.8
CTA	comp-Z, 648nm, 19.7s, baz=94, slow=36				16 03 17.5 +1.9
CTAO	Charters Tower	21.34 270	P	I Amb	16 03 31.2
CTAO	comp-Z, 269nm, 1.8s				16 03 17.9 +2.4
CTAO	Charters Tower	21.34 270	P	P	16 03 17.5 +1.9
CTAO	comp-Z, 269nm, 1.8s				16 03 20.0 +1.0
FOZ	Fox Glacier	21.77 178	P	I Amb	16 03 34.3
FOZ	comp-Z, 408nm, 1.8s				16 03 23.5 +2.0
CNB	Camberra Magne	21.91 228	P	P	16 03 23.0 +1.4
CNB	Camberra Magne	21.91 228	P	P	16 10 55.5
RPZ	Rata Peaks	22.00 176	LR	LR	16 03 23.0 +1.4
CAN	Carerra	22.16 228	P	P	16 03 24.3 0.0
CAN	Carerra	22.16 228	P	P	16 03 24.3 0.0
CAN	Carerra	22.16 228	P	P	16 03 24.3 0.0
CMSA	Cobar Meteorol	23.00 240	P	P	16 03 34.9 +1.7
CMSA	Cobar Meteorol	23.00 240	P	P	16 03 36.2 +1.7
QLP	Quilpie	23.13 253	P	P	16 03 35.1 +0.6
MTSU	Mount Surprise	23.13 253	P	P	16 03 39.8 +1.5
MTSU	Mount Surprise	23.13 253	P	P	16 03 39.6 +1.3
KRVT	Keravat (AS076)	23.91 314	P	P	16 03 42.9 +0.7
PMG	Port Moresby	24.33 297	P	P	16 03 44.1 -1.9
PMG	Port Moresby	24.33 297	P	P	16 03 49.3
PMG	Port Moresby	24.33 297	P	P	16 03 46.8 +0.7
PMG	Port Moresby	24.33 297	P	P	16 03 46.7 +0.7
PMG	Port Moresby	24.33 297	P	P	16 03 46.9 +0.9
PMG	Port Moresby	24.33 297	P	P	16 03 46.8 +0.7
PMG	Port Moresby	24.33 297	P	P	16 03 46.8 +0.7
PMG	Port Moresby	24.33 297	P	P	16 03 46.8 +0.7
TOO	Tootalgi	25.75 227	P	P	16 04 01.2 +2.4
TOO	Tootalgi	25.75 227	P	P	16 04 00.0 +1.2
TOO	Tootalgi	25.75 227	P	P	16 04 00.0 +1.2
TOO	Tootalgi	25.75 227	P	P	16 04 00.0 +1.2
TOO	Tootalgi	25.75 227	P	P	16 04 00.0 +1.2
COEN	Coen	25.77 283	P	P	16 03 59.9 +0.7
COEN	Coen	25.77 283	P	P	16 04 00.6 +1.4
INKA	Innaminka	26.35 251	P	P	16 04 05.9 +1.6
STKA	Stephens Creek	26.43 242	P	P	16 04 06.5 +1.4
STKA	Stephens Creek	26.43 242	P	P	16 04 05.9 +0.9
STKA	Stephens Creek	26.43 242	P	P	16 04 05.9 +0.9
STKA	Stephens Creek	26.43 242	P	P	16 04 05.5 +0.5
STKA	Stephens Creek	26.43 242	P	P	16 04 05.5 +0.5
STKA	Stephens Creek	26.43 242	P	P	16 04 05.5 +0.5
QIS	Mount Isa	27.46 267	P	P	16 04 14.8 +0.4
QIS	Mount Isa	27.46 267	P	P	16 04 14.8 +0.4
MOO	Moorlands	27.60 216	P	P	16 04 17.3 +1.9
LCKR	Leigh Creek	28.94 246	P	P	16 04 28.2 +0.7
RAR	Rarotonga	29.01 015	LR	LR	16 15 38.8
OOD	Oodnadatta	30.82 252	P	P	16 04 45.6 +1.5
BBOO	Bucklebooo	31.21 242	P	P	16 04 49.2 +1.7
BBOO	Bucklebooo	31.21 242	P	P	16 04 47.9 +0.4
BBOO	Bucklebooo	31.21 242	P	P	16 04 48.2 +0.7
WR0	Warramunga Arr	32.25 267	P	P	16 04 55.8 -1.0
WB0	Warramunga Arr	32.41 267	P	P	16 04 57.7 -0.6
AS31	Alice Springs	32.42 260	P	P	16 04 58.3 0.0
ASAR	Alice Springs	32.42 260	P	P	16 04 58.1 -0.2
ASAR	Alice Springs	32.42 260	P	P	16 04 58.3 -0.1
ASAR	Alice Springs	32.42 260	P	P	16 17 17.7
WB2	Warramunga Arr	32.42 267	P	P	16 04 57.8 -0.6
WRAB	Tennant Creek	32.43 267	P	P	16 04 57.7 -0.7
WRAB	Tennant Creek	32.43 267	P	P	16 04 57.6 -0.8
WRAB	Tennant Creek	32.43 267	P	P	16 04 57.4 -1.1
WRA	Warramunga Arr	32.44 267	P	P	16 04 57.4 -1.1
WRA	Warramunga Arr	32.44 267	P	P	16 04 57.4 -1.1
MULG	Mulgathing	32.47 247	P	P	16 04 59.2 +0.5
JAY	Jayapura	33.51 301	P	P	16 05 08.7 +0.8
GENI	Genyem	33.90 300	P	P	16 05 12.9 +1.7
KDU	Kakadu	35.98 278	P	P	16 05 29.2 0.0
MTN	Mantong Dam	37.17 277	P	P	16 05 39.3 0.0
MTN	Mantong Dam	37.17 277	P	P	16 05 39.3 -0.3
MTN	Mantong Dam	37.17 277	P	P	16 05 40.6
WRKA	Warakurna	37.44 257	P	P	16 05 41.8 +0.1
WRKA	Warakurna	37.44 257	P	P	16 05 41.7 0.0
FORT	Forrest	37.67 247	P	P	16 05 44.2 +0.8
FORT	Forrest	37.67 247	P	P	16 05 41.7 -1.8
FORT	Forrest	37.67 247	P	P	16 05 43.8 +0.3
KNRA	Kununurra	38.53 272	P	P	16 05 50.7 -0.2
KNRA	Kununurra	38.53 272	P	P	16 05 50.6 -0.3
KNRA	Kununurra	38.53 272	P	P	16 05 50.6 -0.3
PPT2	Papeete2	39.11 91	eS	S	16 11 53.6 -0.7
PPT	Papeete	39.12 91	LR	LR	16 19 31.4
FAKI	Fak Fak	40.32 292	P	P	16 06 05.0 -0.8

FAKI	Fak Fak	40.32 292	P	P	16 06 07.0
FAKI	Fak Fak	40.32 292	P	P	16 06 05.8 -0.1
FAKI	Fak Fak	40.32 292	P	P	16 06 06.3 +0.4
SFWI	Sorong	42.23 294	P	P	16 06 21.4 -0.1
GUMO	Guam	42.35 324	LR	LR	16 21 42.0
KMBL	Kambalda	42.99 247	P	P	16 06 28.4 +0.9
KMBL	Kambalda	42.99 247	P	P	16 06 28.2 +0.6
SOEI	Soe	44.54 278	P	P	16 06 42.4 +2.0
NLAI	Namlea	44.66 288	P	P	16 06 42.4 +1.3
BATI	Baumata	44.94 277	P	P	16 06 41.8 -1.6
BATI	Baumata	44.94 277	P	P	16 06 45.1 -5.4
BATI	Baumata	44.94 277	LR	LR	16 26 29.4
PSA00	Pilbara Seismi	45.56 261	P	P	16 06 47.9 -0.3
PSA00	Pilbara Seismi	45.56 261	P	P	16 06 48.6 +0.4
LBMI	Labuha	45.56 292	P	P	16 06 50.1 +1.8
MBWA	Marble Bar	45.74 261	P	P	16 06 49.6 0.0
MBWA	Marble Bar	45.74 261	P	P	16 06 50.0 +0.4
MEEK	Meekatharra	46.02 253	P	P	16 06 51.8 -0.1
MEEK	Meekatharra	46.02 253	P	P	16 06 51.8 -0.1
SANI	Sanana	46.20 289	P	P	16 06 53.6 +0.3
TNTI	Ternate	46.40 293	P	P	16 07 05.5 +1.1
KLBR	Kellerberrin	46.52 247	P	P	16 06 55.3 -0.4
KLBR	Kellerberrin	46.52 247	P	P	16 06 55.7 0.0
MMRI	Maumere	46.81 279	P	P	16 06 57.1 -1.0
MMRI	Maumere	46.81 279	P	P	16 06 59.0 +0.8
NWAO	Narrogin (SRO)	46.95 245	P	P	16 06 59.2 +0.1
NWAO	Narrogin (SRO)	46.95 245	P	P	16 06 59.2 +0.1
NWAO	Narrogin (SRO)	46.95 245	P	P	16 06 58.0 -1.1
NWAO	Narrogin (SRO)	46.95 245	P	P	16 07 00.3
NWAO	Narrogin (SRO)	46.95 245	P	P	16 06 59.0 0.0
NWAO	Narrogin (SRO)	46.95 245	P	P	16 06 58.0 -1.1
NWAO	Narrogin (SRO)	46.95 245	LR	LR	16 26 00.9
EDFI	Ende, Flores	47.28 278	P	P	16 07 02.5 +0.6
BLDU	Ballidu	47.44 248	P	P	16 07 02.5 -0.4
BLDU	Ballidu	47.44 248	P	P	16 07 02.5 -0.4
BBSI	Bau Bau	47.73 283	P	P	16 07 06.4 +1.1
MORW	Morawa	48.10 250	P	P	16 07 08.6 +0.5
MORW	Morawa	48.10 250	P	P	16 07 07.1 -1.0
MORW	Morawa	48.10 250	I Amb	I Amb	16 07 09.9
MORW	Morawa	48.10 250	P	P	16 07 08.4 +0.3
LUWI	Luwuk	49.50 288	P	P	16 07 18.3 -0.6
LUWI	Luwuk	49.50 288	I Amb	I Amb	16 07 22.0
LUWI	Luwuk	49.50 288	P	P	16 07 19.4 +0.5
BKSI	Bulkumbata	50.03 282	P	P	16 07 23.1 +0.2
GTOI	Gortola	50.09 290	P	P	16 07 24.9 +1.5
TAOE	Nuku Hiva Isl	50.45 83	eS	S	16 14 45.0 +6.3
TAOE	Nuku Hiva Isl	50.45 83	eLR	LR	16 21 57.3
KAPI	Kappang	50.49 282	P	P	16 07 26.1 -0.3
KAPI	Kappang	50.49 282	P	P	16 07 26.1 -0.3
PLAI	Plampang	50.86 276	P	P	16 07 30.1 +0.8
PLAI	Plampang	50.86 276	P	P	16 07 30.4 +1.1
MRSI	Marisa	50.95 289	P	P	16 07 29.9 0.0
DAV	Davao City (W)	51.24 284	P	P	16 07 33.2 +1.1
DAV	Davao City (W)	51.24 284	LR	LR	16 29 26.2
TWSI	Taliwang Sumb	51.72 276	P	P	16 07 37.0 +1.3
TOLJ	Tolitoli	52.27 289	P	P	16 07 39.2 -0.6
TOLJ	Tolitoli	52.27 289	I Amb	I Amb	16 07 41.0
TOLJ	Tolitoli	52.27 289	P	P	16 07 39.4 -0.4
MPSI	Mapaga	52.68 288	P	P	16 07 43.2 +0.4
SRBI	Singaraja	53.49 276	P	P	16 07 49.8 +1.0
JAGI	Jajag, Banyuwa	54.34 275	P	P	16 07 52.7 -2.3
JAGI	Jajag, Banyuwa	54.34 275	I Amb	I Amb	16 07 55.8
JAGI	Jajag, Banyuwa	54.34 275	P	P	16 07 55.2 +0.2
JCJ	Chichijima	55.04 331	LR	LR	16 29 56.2
BBKI	Banjur Baru	55.59 281	P	P	16 08 05.6 +1.5
VNDA	Vanda	55.96 182	P	P	16 08 05.1 -0.7
VNDA	Vanda	55.96 182	P	P	16 08 05.1 -0.7
VNDA	Vanda	55.96 182	P	P	16 08 04.7 -1.1
VNDA	Vanda	55.96 182	LR	LR	16 27 51.0
SBA	Scott Base	56.20 181	P	P	16 08 08.3 +0.8
SBA	Scott Base	56.20 181	I Amb	I Amb	16 08 13.1
SBA	Scott Base	56.20 181	P	P	16 08 08.3 +0.8
SBA	Scott Base	56.20 181	P	P	16 08 08.3 +0.8
MYLDM	Lahad Datu	56.24 292	P	P	16 08 07.6 -1.1
WOJI	Wonogiri, Jawa	57.55 275	P	P	16 08 19.9 +1.9
UGM	Wanagana	57.90 274	P	P	16 08 20.0 -0.6
UGM	Wanagana	57.90 274	P	P	16 08 21.5 +1.0
KKM	Kota Kinabalu	58.64 292	P	P	16 08 24.5 -1.2
KPJI	Karang Pucung	59.56 274	P	P	16 08 33.8 +1.6
STKI	Sintang	60.10 283	P	P	16 08 37.1 +1.3
SBUM	Sibu	60.47 286	P	P	16 08 37.4 -0.8
BBJI	Bungbulang	60.72 274	P	P	16 08 40.2 +0.1
LEMI	Lesang	60.97 274	LR	LR	16 35 30.9
KSM	Kuching	61.76 284	P	P	16 08 47.2 +0.1
INU	Inuyama	64.36 331	P	P	16 09 03.2 -0.6
INU	Inuyama	64.36 331	I Amb	I Amb	16 09 06.5
JMN	Monobe	64.51 328	P		

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Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like Vranov, Kokkinochori, SRO, SMOL, etc.

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Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like BFO, DAVA, DAVOX, etc.

NOU 04 16:13:33.1,21.70s:168:76E, h0km, MLV3.4/9, Loyalty

Table with columns: Code, Station Name, Frequency, Mode, and other parameters. Includes stations like MARNC, PINNC, LIFNC, etc.

LDG 04 16:15:14.7±0.1,45:36N:6:39E, h2km, Md1.4/2, M11.1/1, Error ellipse: s-maj=3.1km s-min=0.7km az=138.0,

Table with columns: Code, Station Name, Frequency, Mode, and other parameters. Includes stations like LPL, LPG, LORIF, etc.

IDC 04 16:23:41.3±0.6, 15:05S:173:58W, h0km, mb4.5/12, mtdmp4.5/12, MS4.0/34, Error ellipse: s-maj=27.9km

NEIC 04 16:23:42.2±0.5, 15:04S:0:09:173:4W, 0.1, h10km, 1km, mb4.8/120, Error ellipse: s-maj=21.7km s-min=12.7km az=296.0,

NOU 04 16:23:45.3, 14:95S:173:34W, h42km, mb5.0/26, Samoa Islands Region

ISC 04 16:23:45.7±0.4, 15:13S:0:06:173:42W, 0.07, h30km, n475, ±1818/389, mb4.8/68, MS4.2/35, 10C-5D, Tonga

Table with columns: Code, Station Name, Frequency, Mode, and other parameters. Includes stations like AFI, AFU, NIUE, MSVF, RAR, etc.

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Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like OOD, WBO, WB0, etc.

O18K	Koktuh Hills	76.17	9	I	Amb	I	Amb	16 35 31.6
O18K	Koktuh Hills	76.17	9	P	P	P	P	16 35 31.5 +0.9
M14K	Bethel	76.18	6	P	P	P	P	16 35 32.3 +1.7
TUC	Tucson	76.24	51	P	P	P	P	16 35 29.6 -2.2
TUC	Tucson	76.24	51	P	P	P	P	16 35 32.0 +0.2
WVOR	Wild Horse Val	76.24	39	I	Amb	I	Amb	16 35 33.6
M15K	Kasigluk River	76.26	6	P	P	P	P	16 35 31.7 +0.6
N16K	Nishik Lake	76.26	7	P	P	P	P	16 35 31.7 +0.6
P19K	Oil Pt	76.30	10	P	P	P	P	16 35 31.7 +0.3
N17K	Nushagak Hills	76.52	8	P	P	P	P	16 35 32.1 -0.4
HOM	Homer	76.60	11	P	P	P	P	16 35 33.0 0.0
O19K	Port Alsworth	76.64	10	P	P	P	P	16 35 33.9 +0.7
L14K	Kuka Creek	76.70	5	P	P	P	P	16 35 34.9 +1.5
I07A	Ize	76.70	37	I	Amb	I	Amb	16 35 36.3
X16A	Lo Mia Camp, P	76.75	49	I	Amb	I	Amb	16 35 37.7
M16K	Timber Creek	76.77	7	P	P	P	P	16 35 35.4 +1.4
BRSE	Bradley Lake S	76.85	12	P	P	P	P	16 35 35.8 +1.3
N18K	Kilae Creek	76.85	9	P	P	P	P	16 35 34.7 +0.2
J08A	Circle Bar Ran	76.87	38	I	Amb	I	Amb	16 35 37.2
319A	Douglas	76.94	52	I	Amb	I	Amb	16 35 38.0
KNB	Knab	77.06	46	P	P	P	P	16 35 34.7 -1.7
KNB	Knab	77.06	46	P	P	P	P	16 35 38.9
K13K	Kusilvak Mount	77.12	4	P	P	P	P	16 35 35.3 -0.6
U15A	North Rim	77.13	46	I	Amb	I	Amb	16 35 39.5
L15K	Ungalak Mount	77.14	6	P	P	P	P	16 35 37.1 +1.1
USRK	Ussuriysk Ar.	77.16	323	LR	LR	LR	LR	17 03 50.6
N19K	Bonanza Creek	77.19	9	P	P	P	P	16 35 35.7 -0.8
M17K	Holinta River	77.33	8	P	P	P	P	16 35 37.4 +0.3
WUAZ	Wupaki	77.33	48	P	P	P	P	16 35 37.5 -0.5
L16K	Owhat River	77.38	7	P	P	P	P	16 35 38.7 +1.3
ELK	Elko	77.40	41	LR	LR	LR	LR	17 04 02.2
SEW	Seward	77.44	12	P	P	P	P	16 35 38.2 +0.6
Q23K	Middleton Ista	77.49	14	P	P	P	P	16 35 38.6 +0.6
LEM	Lembang	77.63	266	LR	LR	LR	LR	17 09 59.3
BBB	Bella Bella	77.66	27	LR	LR	LR	LR	17 01 40.3
G08A	Pilot Rock	77.73	36	I	Amb	I	Amb	16 35 42.4
K15K	Wolf Creek Mou	77.74	6	P	P	P	P	16 35 41.2 +1.8
P23K	Montague Islan	77.77	13	P	P	P	P	16 35 41.0 +1.4
L17K	Donlin	77.93	7	P	P	P	P	16 35 41.9 +1.5
N20K	Mount Spurr	77.94	10	P	P	P	P	16 35 41.2 +0.5
E07A	Sunnyside	77.99	35	I	Amb	I	Amb	16 35 43.1
J14K	Nanvaranak Lak	78.01	5	P	P	P	P	16 35 41.3 +0.4
HAWA	Hanford	78.07	35	I	Amb	I	Amb	16 35 43.6
CRAG	Craig	78.10	22	P	P	P	P	16 35 41.6 +0.1
L18K	Granite Mounta	78.22	8	P	P	P	P	16 35 43.4 +1.4
M19K	Big River Lodg	78.25	9	P	P	P	P	16 35 42.1 -0.2
RC01	Rabbit Creek A	78.29	11	P	P	P	P	16 35 42.6 +0.2
W18A	Petrified Fore	78.32	49	P	P	P	P	16 35 43.2 -0.3
PWL	Port Wells	78.35	12	P	P	P	P	16 35 42.3 -0.6
KAIM	Kayak Island	78.39	14	P	P	P	P	16 35 41.9 -1.2
M20K	Styx River	78.42	10	P	P	P	P	16 35 43.0 -0.3
BMO	Blue Mountains	78.42	37	I	Amb	I	Amb	16 35 45.3
L19K	White Mountain	78.44	9	P	P	P	P	16 35 43.8 +0.5
SUA	Susitna One	78.44	11	I	Amb	I	Amb	16 35 44.5
SUA	Susitna One	78.44	11	P	P	P	P	16 35 43.8 +0.4
MFID	Camas Ranch	78.49	39	I	Amb	I	Amb	16 35 45.9
K17K	Iditarod	78.50	7	P	P	P	P	16 35 43.9 +0.3
V35K	Ketchikan	78.55	23	P	P	P	P	16 35 44.3 +0.3
SIT	Sitka	78.58	20	P	P	P	P	16 35 43.5 -0.6
121A	Cookes Peak, D	78.60	52	P	P	P	P	16 35 45.7 +0.6
EYAK	Cordova Ski Ar	78.63	14	P	P	P	P	16 35 45.2 +0.9
GLI	Glacier Island	78.63	13	P	P	P	P	16 35 44.7 +0.4
GAMB	Gambell	78.67	1	P	P	P	P	16 35 44.9 +0.4
DUG	Dugway, Tooele	78.68	43	P	P	P	P	16 35 46.4 +1.1
SKT	Skwetna	78.78	10	P	P	P	P	16 35 45.6 +0.4
J16K	Anvik River	78.80	6	P	P	P	P	16 35 47.1 +1.8
MDJ	Mudanjiang	78.80	322	P	P	P	P	16 35 33.5 -1.2
MDJ	Mudanjiang	78.80	322	P	P	P	P	16 35 37.9 -1.6
MDJ	Mudanjiang	78.80	322	P	P	P	P	16 35 39.0 -1.6
MDJ	Mudanjiang	78.80	322	P	P	P	P	16 45 45.4 +3.8
D08A	Willman Farm,	78.81	35	P	P	P	P	16 35 45.5 -0.1
M22K	Willow	78.83	11	P	P	P	P	16 35 46.3 +0.9
KNK	Knik Glacier	78.83	12	P	P	P	P	16 35 46.3 +0.8
BGLR	Bering Glacier	78.83	15	P	P	P	P	16 35 46.4 +1.0
P3M	Palmer	78.85	12	P	P	P	P	16 35 46.2 +0.6
L20K	Farewell, AK	78.87	9	P	P	P	P	16 35 45.6 -0.1
E09A	Wood Farm, Sta	78.91	35	P	P	P	P	16 35 44.3 -1.9
TTA	Tatalina	78.95	8	I	Amb	I	Amb	16 35 50.0
TTA	Tatalina	78.99	8	P	P	P	P	16 35 48.0 +1.6
F10A	Beach Ranch, E	79.11	36	I	Amb	I	Amb	16 35 48.8
SML	Sawmill	79.22	12	P	P	P	P	16 35 48.2 +0.5
MESA	MESA	79.22	15	P	P	P	P	16 35 48.7 +0.9
BMRM	Bremner River	79.26	14	P	P	P	P	16 35 48.8 +1.0
TMUT	Trail Mountain	79.30	44	I	Amb	I	Amb	16 35 51.5
M23K	Glacier View	79.33	12	P	P	P	P	16 35 48.6 +0.5
I17K	Unalakleet	79.38	6	P	P	P	P	16 35 48.7 +0.4
CUT	Chulitna	79.40	11	P	P	P	P	16 35 47.8 -0.7
J18K	Innokov River	79.42	8	P	P	P	P	16 35 49.9 +1.3

CROE	Cirque	79.43	15	P	P	P	P	16 35 48.5 -0.4
HLID	Hailey	79.43	39	I	Amb	I	Amb	16 35 51.6
HLID	Hailey	79.43	39	P	P	P	P	16 35 50.7 +1.3
KLU	Klutina	79.43	13	P	P	P	P	16 35 49.7 +0.8
PNL	Sheep Creek Mo	79.44	12	P	P	P	P	16 35 49.7 +0.8
SCM	Peninsula	79.47	17	P	P	P	P	16 35 50.3 +1.3
HVU	Hansel Valley	79.52	42	I	Amb	I	Amb	16 35 51.7
P1NM	Pinnacle	79.60	16	P	P	P	P	16 35 50.5 +0.8
K20K	Telida	79.67	9	P	P	P	P	16 35 51.8 +1.8
VRDI	Verde Repeater	79.76	14	I	Amb	I	Amb	16 35 52.0
N25K	Chitina, Valde	79.83	14	P	P	P	P	16 35 52.0 +1.0
GLB	Gilchite Butte	79.86	14	I	Amb	I	Amb	16 35 52.6
MA2	Magadan	79.91	342	LR	LR	LR	LR	17 08 12.8
P29M	Windy Craggy	79.91	18	P	P	P	P	16 35 52.2 +0.8
M24K	Tolsona, Glenn	79.93	13	P	P	P	P	16 35 52.5 +1.0
H16K	Elim	79.98	5	P	P	P	P	16 35 52.9 +1.3
NJ2	Nanjing	79.99	307	eP	pmax	pmax	pmax	16 35 52.2 -0.2
NJ2	Nanjing	79.99	307	eP	pmax	pmax	pmax	16 35 52.2 -0.2
MCARA	McCarthy VSAT	80.00	14	P	P	P	P	16 35 52.9 +1.1
CAST	Castle Rocks	80.04	10	P	P	P	P	16 35 51.0 -1.0
WAT6	Susitna Watana	80.04	12	P	P	P	P	16 35 52.6 +0.4
CTG	Chitna Glacier	80.05	15	P	P	P	P	16 35 53.6 +1.3
J19K	Poorman	80.07	8	P	P	P	P	16 35 53.7 +1.6
MINX	Cornudas Mount	80.08	53	P	P	P	P	16 35 53.9 +0.9
WAT1	Susitna Watana	80.11	11	P	P	P	P	16 35 53.0 +0.5
PLBC	Pleasant Camp	80.18	18	P	P	P	P	16 35 53.3 +0.5
O28M	Mount Upton	80.19	16	P	P	P	P	16 35 53.7 +0.5
G15K	Niukuk	80.20	4	P	P	P	P	16 35 54.2 +1.4
BSUT	Blindstream Ca	80.21	43	P	P	P	P	16 35 50.9 -3.0
O29M	Mount Kennedy	80.23	17	P	P	P	P	16 35 54.3 +1.0
KLR	Kul'dur	80.28	327	LR	LR	LR	LR	17 05 44.4
KTH	Kantishna Hill	80.35	10	I	Amb	I	Amb	16 35 55.8
TRF	Thorofore Moun	80.37	10	I	Amb	I	Amb	16 35 55.6
TRF	Thorofore Moun	80.37	10	P	P	P	P	16 35 54.6 +0.6
HARP	HAARP	80.41	13	P	P	P	P	16 35 54.9 +0.9
CHUM	Lake Minchumin	80.44	9	P	P	P	P	16 35 54.7 +0.6
J20K	Novita River	80.44	8	I	Amb	I	Amb	16 35 56.2
J20K	Novita River	80.44	8	P	P	P	P	16 35 55.2 +1.1
TXAR	Lajitas Array	80.48	56	P	P	P	P	16 35 56.7 +1.4
H17K	Granite Mounta	80.49	6	P	P	P	P	16 35 55.9 +1.6
SKAG	Skagway	80.50	19	P	P	P	P	16 35 56.1 +1.6
NEW	Newport	80.50	34	LR	LR	LR	LR	17 07 51.3
NEW	Newport	80.50	34	LR	LR	LR	LR	17 07 51.3
P30M	Million Dollar	80.54	18	P	P	P	P	16 35 56.3 +1.4
F14K	Arctic Creek	80.54	3	P	P	P	P	16 35 56.2 +1.6
TNA	Tin City	80.56	2	P	P	P	P	16 35 55.4 +0.7
DHY	Denali Highway	80.56	12	P	P	P	P	16 35 55.6 +0.6
RND	Reindeer	80.58	11	I	Amb	I	Amb	16 35 57.1
GCSA	Galena City Sc	80.63	7	P	P	P	P	16 35 56.0 +0.9
ANMO	Albuquerque	80.65	50	P	P	P	P	16 35 54.9 -1.3
ANMO	Albuquerque	80.65	50	P	P	P	P	16 35 56.6 +0.4
ANMO	Albuquerque	80.65	50	LR	LR	LR	LR	17 03 39.2
S34M	Telegraph Cree	80.68	21	P	P	P	P	16 35 56.6 +1.1

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Uncertainty, Elevation Bias Uncertainty, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Uncertainty, Elevation Bias Uncertainty.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Uncertainty, Elevation Bias Uncertainty, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Uncertainty, Elevation Bias Uncertainty.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Uncertainty, Elevation Bias Uncertainty, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Uncertainty, Elevation Bias Uncertainty.

Table with columns: EIDS, ARMA, BKZ, CTA, CTAO, PMG, STKA, WRO, WB2, WRA, AS31, ASAR, MTN, PSA00, MBWA, QSPA, M16K, K15K, J05D, IMAR, PINE, ILAR, I07A, J25K, GERES. Includes station names, times, and various codes.

Table with columns: Code, Station Name, Time, Res. Includes station names like Baumata, Warramunga Arr, Alice Springs, etc.

NOU 04 17:11:16.7, 21.2155:168.88E, h0km, MLV4.0/9, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Time, Res. Includes station names like Mare, Loyalty, LIFUNC, etc.

NOU 04 17:16:55.1, 21.68S:168.88E, h0km, MLV3.9/9, Loyalty Islands

Table with columns: Code, Station Name, Time, Res. Includes station names like Mare, Loyalty, Pines Island, etc.

0.9nm, 0.7s, baz=45, slow=1.5, SNR=5.2
NOU 04 17:25:34.7, 21.28S:169.38E, h0km, MLV4.7/7, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Time, Res. Includes station names like Mare, Loyalty, LIFUNC, etc.

NOU 04 17:25:46.2, 21.61S:168.67E, h0km, MLV4.0/9, Loyalty Islands

Table with columns: Code, Station Name, Time, Res. Includes station names like Raoul Island, Eidsvold, etc.

NOU 04 17:25:46.2, 21.61S:168.67E, h0km, MLV4.0/9, Loyalty Islands

Table with columns: Code, Station Name, Time, Res. Includes station names like Warramunga Arr, Warramunga Arr, etc.

NOU 04 17:16:55.1, 21.68S:168.88E, h0km, MLV3.9/9, Loyalty Islands

Table with columns: Code, Station Name, Time, Res. Includes station names like Warramunga Arr, Warramunga Arr, etc.

Table with columns: VNA3, VNA1, SONM, NVAR, ILAR, CLL, PRU, ZVC, EKA, RONA, CONA, CKRC, KHER, GERES, SOKA, LESA, MYKA, ABTA, WTTA, MOTA, SQTA, FETA, DAVA. Includes station names and various codes.

NOU 04 17:28:40.1, 19.56N:121.50E, h0km, mb3.7/4, mbtm3.7/4, Error ellipse: s-maj=28.4km

Table with columns: Code, Station Name, Time, Res. Includes station names like Tapu, Yu-li, Suanglung, etc.

NOU 04 17:31:48.0, 1.9, 5.8S:0.1, 154.9E, h165km, 9km, mb4.6/28, Error ellipse: s-maj=16.4km

NOU 04 17:31:49.5, 2.2, 6.0S:154.84E, h174km, 17km, mb3.6/7, mbtm4.2/10, MS3.7/1, Error ellipse: s-maj=28.2km

NOU 04 17:31:45.8, 0.7, 5.86S:0.09, 155.05E, h150km, n64, 1524/57, mb4.5/19, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Time, Res. Includes station names like Rabaul, Keravat, Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TOLIZ, MBWA, PSA00, RTZ, MRNZ, THZ, TCW, LTZ, MORW, TPUB, LEM, CMAR, SONM, J20K, MKAR, ZALV, GSPA, NEIC 04, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like O18K, M16K, K15K, L18K, M19K, SUA, GHO, GCM, CAST, GLB, GLB, TXAR, CTGM, TRF, H19K, ILAR, PDAR, PHWY, HFS, AKASG, BRTR, CLL, DZM, STKA, WRA, ASAR, VNDA, GSPA, CMAR, DPC, PRU, ZVC, EKA, NKC, KHC, GERES, NOU 04, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CTAO, KRVT, TOO, STKA, RAR, WR0, WB0, WB2, WRAB, WRA, AS31, ASAR, MCQ, MTN, KNRA, FAKI, PSA00, PSA00, MBWA, NWA0, NWA0, VNDA, VNDA, SBA, SBA, OSPA, MAW, CMAR, BELA, PZH, PZH, HHC, HHC, ELIB, LZH, LZH, LZH, SNA4, SONM, ILAR, WMQ, ARCS, CLL, CLL, CLL, HSK, HSK, ZVkov, ZVkov, EKA, CONA, KHC, GERES, SOKA, KBA, ABTA, MOT, SQT, FETA, FETA, DAVA, DAVA, etc.

4rd 18h

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes stations like Karavat, Rabul, Raboul, Coen, MTSU, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes stations like KLBRR, MUN, RTZ, BKZ, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes stations like NEIC 04, NEIC 04, NEIC 04, etc.

ESQI	comp=Z,15um,1.0s	IAML	18 14 10.1
PMON	Piamonte	eP	18 13 10.0 +2.0
PMON	Piamonte	iP	18 13 10.1
PMON	Piamonte	IAML	18 13 46.3
QUEZ	comp=Z,18um,1.0s	IAML	18 13 11.1
QUEZ	Alcaldia de Qu	iP	18 14 11.4
BOOS	comp=Z,27um,1.0s	eP	18 13 10.9 +2.4
MAGS	Ministerio de	eP	18 13 10.8
MAGS	Ministerio de	IAML	18 13 50.2
CARR	comp=Z,8um,1.0s	eP	18 13 11.1 +2.7
CARR	Arriaga	eS	18 13 11.2
ITCA	Escuela Especi	eS	18 13 10.7 +2.1
LALI	Alcalda de L	eP	18 13 10.1 +1.7
LALI	Alcalda de L	iP	18 13 10.2
LALI	Alcalda de L	IAML	18 13 48.3
TGBT	comp=Z,4um,1.0s	Pn	18 13 13.2 +4.4
TGBT	Tuxtla Gutieri	Sn	18 13 43.3 +2.5
TGBT	Tuxtla Gutieri	eP	18 13 13.2 +4.4
TGBT	Tuxtla Gutieri	eS	18 13 43.3 +2.5
UEES	Universidad Ev	iP	18 13 11.2
UEES	Universidad Ev	IAML	18 13 49.4
TGIG	comp=Z,8um,1.0s	Pn	18 13 11.0 +2.0
TGIG	Tuxtla Gutieri	Sn	18 13 51.0 +1.0
TGIG	Tuxtla Gutieri	eS	18 13 11.0 +2.0
TGIG	Tuxtla Gutieri	eP	18 13 51.0 +1.0
SNET	Serv Nac Est T	Pn	18 13 11.1 +2.0
SNET	Serv Nac Est T	eP	18 13 10.9 +1.8
SNET	Serv Nac Est T	iP	18 13 11.3
SNET	Serv Nac Est T	IAML	18 13 48.5
SEMO	comp=Z,22um,1.0s	iP	18 13 11.6
SEMO	Seminario San	iS	18 13 43.8
SEMO	Seminario San	IAML	18 13 48.9
UTEC	comp=Z,26um,1.0s	iPA	18 13 12.2
UTEC	Universidad Te	IAML	18 13 50.1
IGN	comp=Z,8um,1.0s	iP	18 13 12.4
IGN	Direccin Gen	IAML	18 13 51.3
PANCS	comp=Z,29um,1.0s	iP	18 13 12.2
PANCS	Alcalda de	IAML	18 13 46.7
LOMA	comp=Z,20um,1.0s	eP	18 13 12.1 +2.0
LOMA	Loma Larga	iP	18 13 12.1
LOMA	Loma Larga	IAML	18 13 50.5
UDBS	comp=Z,11um,1.0s	iP	18 13 12.5
UDBS	Universidad Do	IAML	18 13 49.6
AEIL	comp=Z,8um,1.0s	eP	18 13 13.8 +3.2
AEIL	Aeropuerto Ilo	Pn	18 13 14.0 +2.5
LFRR	El Faro	eP	18 13 13.7
LLGN	La Laguna	iP	18 13 10.3
LLGN	La Laguna	IAML	18 13 10.3
SJTE	comp=Z,3um,1.0s	eP	18 13 14.2 +2.0
SJTE	Alcalda de S	iP	18 13 14.7
SJTE	Alcalda de S	IAML	18 13 59.2
PAVA	comp=Z,6um,1.0s	eP	18 13 15.0 +2.1
PAVA	Las Pavas	eP	18 13 14.8
PAVA	Las Pavas	IAML	18 13 49.9
COEG	comp=Z,8um,1.0s	iP	18 13 16.1 +2.2
COEG	Centro de Oper	eP	18 13 16.2
COEG	Centro de Oper	IAML	18 13 18.9
SCLA	comp=Z,6um,1.0s	iP	18 13 17.7
SCLA	Alcaldia de A	IAML	18 14 14.4
PETF	comp=Z,3um,1.0s	Pn	18 13 19.9 +2.1
PETF	Flores	eP	18 13 19.9 +2.1
NILT	Santiago Nitte	eS	18 13 20.1 +2.1
NILT	Santiago Nitte	eS	18 13 56.8 -0.4
COEC	Comit de Erme	eP	18 13 21.1 +2.3
TECAP	Tecapa	eP	18 13 21.9 +2.3
CMIG	Matias Romero	eP	18 13 27.4 +2.0
CMIG	Matias Romero	eS	18 14 09.6 -1.2
CMIG	Matias Romero	P	18 13 27.6 +2.1
CMIG	comp=Z,147nm,0.4s,baz=141,slow=12,SNR=11	S	18 14 15.3 +4.5
CMIG	comp=Z,737nm,0.4s,baz=61,slow=21,SNR=5.8	LR	18 14 38.1
CMIG	comp=Z,1um,18.4s,baz=170,slow=31	LR	18 13 27.4 +2.0
CMIG	Matias Romero	eS	18 14 09.6 -1.2
CNCH	Chonchagua	eP	18 13 30.7 +2.2
HUIG	Huatulco	eP	18 13 30.4 +1.3
HUIG	Huatulco	eP	18 14 11.5 -5.7
HUIG	Huatulco	eS	18 13 30.4 +1.3
HUIG	Huatulco	eS	18 14 11.5 -5.7
TUIG	Tehuacan	eS	18 13 33.2 +1.3
TUIG	Tehuacan	eS	18 14 23.8 +1.4
TGUH	Tegucigalpa,Un	eP	18 13 34.2 -0.3
TGUH	Tegucigalpa,Un	eP	18 13 36.0 +1.4
SCIG	Sabancuy	eP	18 13 38.4 +1.5
SCIG	Sabancuy	eS	18 13 11.1 -0.1
NEUV	Arroyo Zacate	eP	18 13 40.5 +0.5
NEUV	Arroyo Zacate	eS	18 14 40.5 +3.7
CRIN	San Cristobal	eP	18 13 41.7 +1.0
CRIN	San Cristobal	eP	18 13 42.2 +1.5
PMUJ	Sontecomapan	eS	18 13 33.9 +3.9
PMUJ	Sontecomapan	eS	18 14 37.8 -4.2
PEIG	Puerto Escondi	eP	18 13 44.5 +1.5
PEIG	Puerto Escondi	eS	18 14 35.8 -6.4
PEIG	Puerto Escondi	eS	18 13 44.5 +1.5
OXIG	Oaxaca	eS	18 14 35.8 -6.4
OXIG	Oaxaca	eS	18 14 59.9 +1.0
VHO	Vista Hermosa	eP	18 13 48.1 +3.5
VHO	Vista Hermosa	eS	18 14 45.9 +1.0
YONG	Cerro Negro	eP	18 13 46.0 0.0
YONG	Cerro Negro	eP	18 13 46.5 +0.5
YONG	Yosondua	eP	18 15 06.3 +3.8
YONG	Yosondua	eS	18 15 03.9 +4.6
YONG	Yosondua	eP	18 13 56.4 +3.8
YONG	Yosondua	eP	18 15 03.9 +4.6
MATN	Matagalpa	eP	18 13 55.1 +0.6
PNIG	Pinotepa	eP	18 13 59.4 +2.4
PNIG	Pinotepa	eS	18 15 14.4 +7.1
PNIG	Pinotepa	eS	18 13 59.4 +2.4
PNIG	Pinotepa	eS	18 15 14.4 +7.1
TXIG	Tlaxiaco	eP	18 14 05.8 +3.9
TXIG	Tlaxiaco	eS	18 14 11.1 +3.5
TXIG	Tlaxiaco	eS	18 15 06.1 -2.3
TXIG	Tlaxiaco	eS	18 14 01.1 +3.5
TPIG	Tehuacan	eP	18 15 06.1 -2.3
TPIG	Tehuacan	eS	18 15 18.8 +2.8
TPIG	Tehuacan	eS	18 14 05.8 +3.9
TPIG	Tehuacan	eS	18 15 18.8 +2.8
HLIG	Huajuapán de L	eP	18 15 18.8 +2.8
HLIG	Huajuapán de L	eS	18 15 05.9 +4.0
HLIG	Huajuapán de L	eP	18 15 18.0 +1.9
HLIG	Huajuapán de L	eP	18 14 05.9 +4.0
JALU	Jalcomulco	eP	18 15 18.0 +1.9
JALU	Jalcomulco	eS	18 14 05.2 -0.1
JALU	Jalcomulco	eS	18 15 17.7 -4.5
LVIG	Laguna Verde	eP	18 14 06.1 +0.4
LVIG	Laguna Verde	eS	18 15 17.4 -5.5
FTIG	Fresnillo de T	eP	18 14 10.2 +4.1
FTIG	Fresnillo de T	eS	18 15 22.2 -1.3
FTIG	Fresnillo de T	eP	18 14 10.2 +4.1
FTIG	Fresnillo de T	eS	18 15 22.2 -1.3
TEIG	Tepich	eP	18 14 07.3 +0.3
TEIG	Tepich	eP	18 14 07.1 +0.4
TEIG	Tepich	eP	18 14 07.3 +0.3
TEIG	Tepich	eP	18 14 05.8 -1.0
TEIG	comp=Z,6um,0.5s,baz=352,slow=4.9,SNR=337	S	18 15 22.6 -2.2
MGIG	comp=Z,13um,1.0s,baz=124,slow=22,SNR=8.4	eP	18 14 11.2 +3.6
MGIG	Malinaltepec	eS	18 15 28.5 +2.2
MGIG	Malinaltepec	eS	18 15 28.5 +2.2
ACON	Acocoyapa	eP	18 14 08.9 +1.2
ACON	Acocoyapa	eP	18 14 08.0 +0.6
HZTE	Horizontes, Gu	eP	18 14 11.1 +1.6
GBS3	Finca Las Img	eP	18 14 14.2 +3.4
CRIG	Cruz Grande	eP	18 14 13.7 +2.7
CRIG	Cruz Grande	eS	18 15 34.9 +2.5

CRIG	Cruz Grande	7.29 291	iP	Pn	18 14 13.7 +2.7
CRIG	Cruz Grande	7.29 291	eS	Sn	18 15 34.9 +2.5
LAPC	Finca la Perla	7.30 117	eP	Pn	18 14 14.3 +3.2
GB1A	Borinquen Arri	7.30 117	eP	Pn	18 14 14.5 +3.2
HATIL	Hatillo	7.31 121	eP	Pn	18 14 14.4 +3.2
GPS1	Guardaparques	7.37 117	eP	Pn	18 14 15.1 +4.0
GPS2	Hotel Rinca d	7.37 117	eP	Pn	18 14 15.9 +3.7
ORTG	Ortega, Santa	7.48 120	Pn	Pn	18 14 15.3 +1.7
ORTG	Ortega, Santa	7.48 120	eP	Pn	18 14 17.0 +3.4
GUAB	Guayabo de Bag	7.50 117	eP	Pn	18 14 17.6 +3.7
HORN	Hornillas	7.54 117	eP	Pn	18 14 17.7 +3.2
CUJ	Cupitlan	7.58 117	eP	Pn	18 14 17.8 +3.2
CANAL	Canalete	7.59 115	eP	Pn	18 14 20.8 +5.6
DUNO	Dulce Nombre,	7.60 122	eP	Pn	18 14 17.1 +1.9
MOTZ	Rio Naranjo	7.65 116	eP	Pn	18 14 19.8 +3.8
ACAL	Aguas Claras	7.70 117	eP	Pn	18 14 20.4 +3.6
ESPN	Las Esperanzas	7.79 104	eP	Pn	18 14 21.0 +2.1
DAIG	Los Arroyos	7.85 292	eP	Sn	18 15 46.3 0.0
DAIG	Los Arroyos	7.85 292	eP	Sn	18 14 21.9 +3.2
DAIG	Los Arroyos	7.85 292	eS	Sn	18 15 46.3 0.0
JTS	Las Juntas de	7.94 119	eP	Sn	18 14 22.3 +2.4
JTS	Las Juntas de	7.94 119	eP	Sn	18 14 18.1 +1.8
JTS	Las Juntas de	7.94 119	iP	Pn	18 14 23.3 +3.4
JTS	Las Juntas de	7.94 119	eP	Pn	18 14 24.0 +4.1
PPM	Popocatepetl	7.95 308	eP	Sn	18 14 26.5 +5.9
PPM	Popocatepetl	7.95 308	eS	Sn	18 15 51.0 +1.6
PPM	Popocatepetl	7.95 308	eS	Sn	18 14 26.5 +5.9
PPM	Popocatepetl	7.95 308	eS	Sn	18 14 26.5 +5.9
XCUV	Coxquihui	7.96 319	eP	Pn	18 14 20.5 +0.3
TABAC	Tabacon	8.00 117	eP	Pn	18 14 25.1 +4.3
ARE1	Arenal 1	8.06 117	eP	Pn	18 14 23.6 +2.1
CEDE	Laguna Cededo	8.06 116	eP	Pn	18 14 25.4 +3.7
MEIG	Mezcala	8.18 298	eP	Sn	18 15 59.9 +5.6
MEIG	Mezcala	8.18 298	eS	Sn	18 14 26.9 +3.7
MEIG	Mezcala	8.18 298	eS	Sn	18 15 59.9 +5.6
YAIJ	Yautepac	8.18 305	eP	Sn	18 14 27.8 +4.5
YAIJ	Yautepac	8.18 305	eS	Sn	18 15 58.4 +4.0
YAIJ	Yautepac	8.18 305	eS	Sn	18 14 27.8 +4.5
YAIJ	Yautepac	8.18 305	eS	Sn	18 15 58.4 +4.0
SOCE	Pocosol	8.18 117	eP	Pn	18 14 26.1 +2.9
CBL1	Cabuya	8.20 123	eP	Pn	18 14 27.2 +3.7
COVE	Coopve Vega, Sa	8.22 114	eP	Pn	18 14 26.0 +2.2
COVE	Coopve Vega, Sa	8.22 114	eP	Pn	18 14 29.7 +4.9
LAFE	Finca La Fe, P	8.23 121	eP	Pn	18 14 27.3 +3.3
PLIG	Platanillo	8.29 301	eP	Sn	18 14 25.5 -1.4
PLIG	Platanillo	8.29 301	eP	Sn	18 14 29.5 +4.2
PLIG	Platanillo	8.29 301	eS	Sn	18 15 55.6 -1.4
JACO	JACO, Garabito	8.51 121	eP	Pn	18 15 55.6 -1.4
JACO	JACO, Garabito	8.51 121	eP	Pn	18 15 55.6 -1.4
UNM	Universidad Na	8.53 308	eP	Sn	18 14 27.1 -1.1
UNM	Universidad Na	8.53 308	eS	Sn	18 16 00.8 -2.4
HDC	Heredia	8.80 117	Pn	Pn	18 14 33.8 +2.0
ABE	San Pablo	9.00 119	eP	Pn	18 14 38.4 +3.8
RIMA	Rio Macho	9.13 118	eP	Pn	18 14 38.7 +2.3
EDDO	Dominical	9.39 121	eP	Pn	18 14 42.7 +2.9
BATAN	Batan	9.40 115	eP	Pn	18 14 42.7 +2.8
CTUV	Llano Grande	9.40 321	eP	Sn	18 14 43.3 +3.4
CTUV	Llano Grande	9.40 321	eS	Sn	18 16 24.2 0.0
GRBA	San Rafael, Bu	9.83 119	eP	Pn	18 14 48.3 +2.4
SRBA	San Rafael, Bu	9.83 119	eP	Pn	18 14 47.4 +5.5
DRKO	Durika	9.91 119	eP	Pn	18 14 47.0 0.0
PRVC	Isla de Provid	10.40 93	eP	Pn	18 14 57.1 +0.2
CDITO	Canoas	10.58 121	eP	Pn	18 14 57.1 +0.2
FSCY	Frank Sound, G	11.57 62	Pn	Pn	18 15 09.4 -0.1
MTOR	Monte Oro	12.09 44	eP	Pn	18 15 16.0 -0.6
SOR	Soroa	12.09 44	eP	Pn	18 15 16.0 -0.6
BCIP	Isla Barro Col	12.95 111	eP	Pn	18 15 26.9 -1.5
BCIP	Isla Barro Col	12.95 111	eP	Pn	18 15 29.0 +0.6
BCIP	Isla Barro Col	12.95 111	eP	Pn	18 15 26.9 -1.5
BCIP	Isla Barro Col	12.95 111	eP	Pn	18 15 29.0 +0.6
HBVL	Hebronville	14.22 335	Pn	Pn	18 15 46.5 +1.0
MTDJ	Mount Denham	14.49 72	eP	Pn	18 15 58.1 +0.2
MTDJ	Mount Denham	14.49 72	eP	Pn	18 15 58.1 +0.2
735A	Kenedy	15.53 341	Pn	Pn	18 16 03.4 +0.9
061Z	Ochoppi	15.61 40	Pn	Pn	18 16 01.4 -2.1
061Z	Ochoppi	15.61 40	Pn	Pn	18 16 02.5 -1.0
833A	Chaparral WMA,	15.63 335	Pn	P	18 16 04.8 +1.0
833A	Chaparral WMA,	15.63 335	Pn	P	18 16 06.4 -0.6
833A	Chaparral WMA,	15.63 335	P	P	18 16 07.1 +0.1
HKT	Hockley	16.06 348	Pn	P	18 16 09.8 +0.6
HKT	Hockley	16.06 348	Pn	P	18 16 12.2 +0.6
HKT	Hockley	16.06 348	P	P	18 16 11.0 -0.7
HKT	Hockley	16.06 348	P	P	18 16 12.2 +0.6
441A	Ridder, Choc	16.50 357	Pn	Pn	18 16 14.2 -0.7
HNDO	Hondo	16.66 337	eP	Pn	18 16 19.2 +0.8
HNDO	Hondo	16.66 337	IAMB	IAMB	18 16 23.2
HNVL	Huntsville, TX	16.77 350	Pn	Pn	18 16 19.4 -0.3
HNVL	Huntsville, TX	1			

Table with columns for station ID, call letters, frequency, power, and other technical details. Includes stations like O54A, CPBX, OGNE, P57A, L44A, M50A, etc.

Table with columns for station ID, call letters, frequency, power, and other technical details. Includes stations like GLMI, TPNV, TPNV, LRM, BRNY, etc.

Table with columns for station ID, call letters, frequency, power, and other technical details. Includes stations like NVAR, EYMN, LONY, KVN, etc.

Table with columns: ID, Name, Date, Time, Status, etc. Rows include M20K Styx River, H23K Yukon River, CAST Castle Rocks, etc.

Table with columns: ID, Name, Date, Time, Status, etc. Rows include K17K Iditarod, H19K Iditarod, K19K Roundabout Mou, etc.

Table with columns: ID, Name, Date, Time, Status, etc. Rows include TORD comp=Z,0.6nm,0.5s, MA2 Magadan, etc.

NEIC 04 18:17.16.2e.0.9.36:03N.01:01.97:906W.0:009, h10km,8km, Error ellipse: s-maj=1.8km s-min=0.5km
TUL 04 18:17.16.2e.0.9.36:034N.0:0099.9719W.0:011,h8km,4km, ML3.3,mb_Lg3.0/23(NEIC),ML3.2/70(NEIC), Error ellipse: s-maj=1.3km s-min=1.3km sz=153.0, Oklahoma

4d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PINNC Pines Island, LIFNC LIFOU, YATNC Mamie plateau, etc.

4d 19:26:43.0, 5.6, 14.96S, 173.91W, h0km, mb3.7/3, mbtmp3.6/4, ML3.0/1, Error ellipse: s-maj=215.8km s-min=56.0km az=133.0, Samoa Islands region

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

4d 19:46:38.3, 3.1, 21.148S, 169.00E, h0km, mb3.7/3, mbtmp3.6/4, ML3.0/1, Error ellipse: s-maj=152.5km s-min=26.5km 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, ASAR Alice Springs, SONM Songoing Arr, etc.

4d 19:49:05.1, 0.8, 52.69S, 26.05E, h0km, mb4.0/8, mbtmp4.1/8, MS3.8/15, Error ellipse: s-maj=49.1km s-min=16.2km az=77.0

NEIC 04 19:49:06.5, 1.2, 52.73S, 0.08, 25.4E, 0.1, h1km, n36, mb4.4/12, Error ellipse: s-maj=35.5km s-min=12.1km az=82.0

ISC 04 19:49:06.0, 0.7, 52.74S, 0.10, 25.4E, 0.2, h10km, n36, mb4.7/21, mb4.2/19, MS3.7/15, South of Africa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H04S2 CROZET ISLANDS, GRHM Grahamstown, SUR Sutherland, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like QSPA South Pole Qui, VANDA Vanda, MBAR Mbarara, etc.

4d 19:53:26.6, 0.8, 21.77S, 168.77E, h0km, mb4.0/11, mbtmp4.0/12, ML3.9/1, Error ellipse: s-maj=23.2km s-min=19.5km az=129.0

NEIC 04 19:53:26.9, 1.4, 21.55S, 0.06, 168.81E, 0.04, h8km, 5km, mb4.7/21, Error ellipse: s-maj=9.1km s-min=5.1km az=200.0

NOU 04 19:53:32.5, 2.1, 68S, 168.42E, h0km, mb4.4/23, Loyalty Islands

ISC 04 19:53:28.9, 0.5, 21.57S, 0.06, 168.66E, 0.05, h10km, n104, az=171/100, mb4.6/23, ID, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, etc.

4d 19:55:40.7, 0.7, 21.90S, 168.95E, h0km, mb4.3/12, mbtmp4.3/13, MS4.2/1, Error ellipse: s-maj=175.0km s-min=55.0km az=152.0, South of Africa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, QZR Quartz Range, etc.

4d 19:55:40.7, 0.7, 21.90S, 168.95E, h0km, mb4.3/12, mbtmp4.3/13, MS4.2/1, Error ellipse: s-maj=175.0km s-min=55.0km az=152.0, South of Africa

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KKM Kota Kinabalu, GSPA South Pole Qui, NJ2 Nanjing, etc.

4d 19:55:40.7, 0.7, 21.90S, 168.95E, h0km, mb4.3/12, mbtmp4.3/13, MS4.2/1, Error ellipse: s-maj=175.0km s-min=55.0km az=152.0, South of Africa

NEIC 04 19:55:42.0, 1.0, 21.79S, 0.06, 168.92E, 0.04, h8km, 4km, mb4.9/17, Error ellipse: s-maj=9.5km s-min=5.4km az=196.0

GCMT 04 19:55:48.0, 0.2, 21.68S, 0.02, 168.80E, 0.02, h12km, MW5.0/113, Moment Tensor Solution. s44, c52, s113, c160, Duration: 0 Moment tensor: Sca 10^16Nm; Mn=3.95e+08; Mpp=2.22e+09; Mpp=1.73e+08; Mm0.68e+28; Mpp=1.59e+07; Mpp=1.00e+28; Best double couple: M=3.92400x10^16 NPT=145.000000, 648.000000, 180.000000. NP2=297.000000, 646.000000, 110.000000. Principal axes: T=3.5860, P1g1.00000; Azm21.0000; N=0.6760, P1g15.0000; Azm311.00000; P=2.6200, P1g5.0000; Azm127.0000; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s. Triangular moment rate function

ISC 04 19:55:45.4, 0.4, 21.77S, 0.06, 168.87E, 0.06, h31km, n161, az=97/144, mb4.9/50, MS4.2/21, 10D, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PINNC Pines Island, LIFNC LIFOU, OUENC Ouen Island, etc.

Table with columns: JAH, Hinai, 0.59 210 A, A, 21 06 00.6, etc. Includes stations like JSI2, JAHD, JOT, JOT, JKEN, etc.

Table with columns: JHU, Hachijo jima 2, 7.63 188 P, Pn, 21 07 30.8 -0.8, etc. Includes stations like JHU, JHU2, JMU, etc.

Table with columns: ULN, comp=Z,5.0nm,0.7s, pmax, pmax, 21 11 01.5 -0.9, etc. Includes stations like SONM, SONM, SONM, etc.

2017 NOV

4d 21h

Table with columns: Station Name, Elevation, Date, Time, Status, etc. Includes stations like CHIANG MAI, NUSHAQ HILLS, KOLIGANEK BRIS, etc.

Table with columns: Station Name, Elevation, Date, Time, Status, etc. Includes stations like NANUSHUK RIVER, IKKILIK RIVER, COLDFOOT, etc.

Table with columns: Station Name, Elevation, Date, Time, Status, etc. Includes stations like HARP HAARP, DAANGSUNG, EYAK, etc.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like Batken, Braeburn, Sverdljovsk, etc.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like ONI, MNK, NACGM, BMO, etc.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like NWAQ, HEC, ULM, etc.

s-maj=15.5km s-min=14.6km az=107.0
 MOS 04.21:05:42.8,1.0,21.53S;168.62E;h10km,mb5,3/37,
 M54.9.7,Error ellipse: s-maj=9.4km s-min=8.8km az=0.2
 NOU 04.21:05:43.8,1.21.39S;168.78E;h0km,mb5.2/82,Loyalty
 Islands
 BUJ 04.21:05:43.0,0.0,21.50S;168.70E;h10km,mb4.8/40,
 mb5.5/25,Ms5.0/6,Ms7.4/6/8
 NEIC 04.21:05:43.9,1.5,21.57S;0.06:168.71E;0.04,h8km,3km,
 mb5.1/76,Ms_20.4.9/154,Error ellipse: s-maj=9.2km
 s-min=4.8km az=185.0
 GCMT 04.21:05:45.9,0.1,21.58S;0.01:168.62E;0.01,h12km,
 MW5.2/137,Moment Tensor Solution. e83,c113:
 s137,c219. Duration: 10 Moment tensor: Scale 10¹⁷
 Nm; Mw=0.68±0.1; Mw0.19±0.1; Mw0.49±0.1;
 Mw=0.24±0.03; Mw=0.31±0.1; Mw=0.42±0.03; Best double
 couple: Mo:0.836000*10¹⁷ NP1.0±149.00000°,β63.00000°,
 λ-89.00000°. NP2.0±326.00000°,β28.00000°,
 λ-93.00000°. Principal axes: T: 0.8390,Plg17.0000°,
 Azm238.0000°; N: -0.0070,Plg1.0000°,Azm329.0000°; P:
 -0.8330,Plg72.0000°,Azm63.0000°; nsta1 refers to body
 waves, cutoff=40s. nsta2 refers to surface waves,
 cutoff=50s. Triangular moment-rate function

ISC 04.21:05:44.1,0.5,21.56S;0.04:168.77E;0.04,h10km,
 h10km;P-P,n552,-1550/470,ms5.1/91,MSA.8/11,
 11C-26D,Loyalty Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
MARNC	Mare, Loyalty	0.69 277		Op	21 05 56.0	-1.5
MARNC	Mare, Loyalty	0.69 277		Pg	21 06 06.1	-0.5
MARNC	Mare, Loyalty	0.69 277		Sg	21 05 56.5	-1.0
PINNC	Pines Island	1.61 229		Pn	21 06 10.1	-2.5
PINNC	Pines Island	1.61 229		Pn	21 06 11.0	-1.6
LIFNC	LIFOU	1.62 299		Pn	21 06 08.6	-4.3
LIFNC	LIFOU	1.62 299		Pn	21 06 11.9	-0.9
YATNC	Mamie plateau	1.81 254		Pn	21 06 13.8	-1.5
OUENC	Ouen Island N	1.98 244		Pn	21 06 16.0	-1.7
OUENC	Ouen Island N	1.98 244		Pn	21 06 17.2	-0.5
DZM	Mont Dzumac	2.22 256	ePn	Pn	21 06 19.0	-2.1
DZM	23um, 1.1s			eSn		
DZM	Mont Dzumac	2.22 256		Pn	21 06 18.3	-2.7
DZM	Mont Dzumac	2.22 256		Pn	21 06 20.8	-0.2
DZM	Mont Dzumac	2.22 256		Pn	21 06 19.6	-1.5
DZM	265m,0.3s,baz=70,slow=12,SNR=232			LR		
DZM	comp=2.9um,19.2s,baz=125,slow=29			LR	21 06 45.6	
DZM	270m,0.3s,baz=104,slow=21,SNR=4.0			Sn	21 06 47.3	-1.3
ONTNC	Ouen Toro	2.27 251		Pn	21 06 19.7	-2.0
ONTNC	Ouen Toro	2.27 251		Pn	21 06 21.8	+0.1
NOUC	Port Laguerre	2.35 256		Pn	21 06 22.8	0.0
RTV	Hentapao	3.77 355		Pn	21 06 40.7	-1.6
DVP	Devils Point	3.86 352		Pn	21 06 39.7	-3.7
KOUNC	Koumac, New Ca	4.30 283	Pn	Pn	21 06 47.7	-2.0
KOUNC	Koumac, New Ca	4.30 283		Pn	21 06 50.4	+0.7
NFK	Norfolk Island	7.49 186	Pn	Pn	21 07 33.8	+0.4
NFK	Norfolk Island	7.49 186		Pn	21 07 36.1	+2.7
MSVF	Nonsavu	9.54 68	Pn	Pn	21 08 01.1	+0.7
MSVF	Nonsavu	9.54 68		Pn	21 08 05.8	+4.1
MSVF	Nonsavu	9.54 68	Pn	Pn	21 08 04.2	+2.4
MSVF	Nonsavu	9.54 68		Pn	21 08 04.2	+2.4
MSVF	comp=Z,11um,20.1s,baz=251,slow=5			LR	21 11 16.5	
DGTI	Dogotuki	11.62 65	Pn	Pn	21 08 30.8	+0.6
FUNA	Funafuti	16.40 39	Pn	Pn	21 09 33.9	-0.7
EIDS	Eidsvold	16.66 253	Pn	Pn	21 09 37.8	-0.1
EIDS	Eidsvold	16.66 253		Pn	21 09 35.8	-2.0
EIDS	Eidsvold	16.66 253		Pn	21 09 37.9	+0.1
RKIH	Rockhampton Ha	16.99 260		Pn	21 09 44.7	+0.8
TOZ	Tahuroa Road	17.13 162	Pn	Pn	21 09 43.1	-0.6
ARMA	Armidade	17.73 237		Pn	21 09 51.6	+0.2
ARMA	Armidade	17.73 237		Pn	21 09 50.9	-0.5
ARMA	Armidade	17.73 237		Pn	21 09 54.3	+2.1
URZ	Urewera	18.13 158	Pn	Pn	21 09 57.4	+1.4
URZ	2.3nm,0.3s,baz=52,slow=6.3,SNR=16			LR		
URZ	comp=Z,941nm,18.8s,baz=32,slow=34			LR	21 15 55.8	
RTZ	Ruatuhuna	18.41 159	Pn	Pn	21 09 59.2	-0.4
AUHPH	Peel High Scho	18.42 227	Pn	Pn	21 10 24.2	+2.8
BKZ	Black Stump Fm	18.75 161	Pn	Pn	21 10 03.8	+0.5
BKZ	Black Stump Fm	18.75 161		Pn	21 10 05.3	+1.6
RMQ	Roma	18.92 251	Pn	Pn	21 10 05.7	+0.5
RMQ	Roma	18.92 251		Pn	21 10 08.7	+2.9
AFI	Afiama	20.02 71	Iamb	Iamb	21 10 16.8	+0.6
AFI	Afiama	20.02 71		Iamb	21 10 30.4	
AFI	comp=Z,102nm,1.1s			P	21 10 17.3	-0.1
AFI	Afiama	20.02 71		P	21 10 16.8	-0.6
AFI	comp=Z,102nm,1.2s			pmx		
SYDH	Sydney Hard Ro	20.03 229	Pn	Pn	21 10 20.6	+1.6
BFZ	Birch Farm	20.09 163	Pn	Pn	21 10 18.1	+0.2
AULRC	Lightning Ridge	20.31 243	Pn	Pn	21 10 22.0	+1.6
BHW	Baring Head	20.45 167	Iamb	Iamb	21 10 21.9	+0.2
BHW	comp=Z,170nm,2.0s					
TV1H	Townsville Har	20.72 272	Pn	Pn	21 10 27.5	+0.3
AUDCS	Dubbo College	20.83 235	Pn	Pn	21 10 28.7	+0.2
CTA	Charters Tower	21.09 270	Pn	Pn	21 10 31.4	+2.5
CTA	Charters Tower	21.09 270		Pn	21 10 29.4	+0.5
CTA	comp=Z,9.2nm,0.6s,baz=89,slow=9.2,SNR=3.9			LR		
CTA	comp=Z,5um,19.4s,baz=92,slow=36			LR	21 18 11.8	
CTA	comp=Z,9.2nm,0.6s			Iamb	21 10 28.6	-0.3
CTA	Charters Tower	21.09 270		Iamb	21 10 42.5	
CTA	comp=Z,67nm,1.0s			IAMs_20	21 17 50.3	
CTA	Charters Tower	21.09 270		P	21 10 31.7	+2.8
CTA	Charters Tower	21.09 270		P	21 10 28.6	-0.3
CTA	comp=Z,67nm,1.0s			pmx		
CTA	comp=Z,5um,20.0s			MLR	MLR	
CNB	Canberra Magne	21.83 227	Pn	Pn	21 10 40.1	+3.3
CNB	Canberra Magne	21.83 227		Pn	21 10 40.3	+3.5
YNG	Young	21.97 230	Pn	Pn	21 10 40.8	+2.6
YNG	Young	21.97 230		Pn	21 10 41.3	+3.1
CAN	Canberra	22.08 227	Pn	Pn	21 10 40.3	+0.8
CAN	Canberra	22.08 227		Pn	21 10 41.2	+1.2
CAN	Canberra	22.08 227		Pn	21 10 40.3	+0.8
CAN	comp=Z,50nm,1.1s			pmx		
RPZ	Rata Peaks	22.17 176	LR	LR	21 18 42.9	
RPZ	comp=Z,24um,18.4s,baz=348,slow=35			LR		
CMSA	Cobar Meteorol	22.86 239	Pn	Pn	21 10 48.7	+0.8
CMSA	Cobar Meteorol	22.86 239		Pn	21 10 48.9	+1.1
QLP	Quilpie	22.95 253	Pn	Pn	21 10 50.4	+1.8
QLP	Quilpie	22.95 253		Pn	21 10 50.5	+1.9
AUSMG	Snowy Mountain	22.95 225	Pn	Pn	21 10 52.2	+3.4
MTSU	Mount Surprise	23.24 274	Pn	Pn	21 10 51.9	+0.1
MTSU	comp=Z,29,SNR=2			Pn	21 10 52.7	+0.9
PMG	Port Moresby	24.04 297	Iamb	Iamb	21 10 57.6	-2.0
PMG	Port Moresby	24.04 297		Iamb	21 10 59.8	+0.2
PMG	Port Moresby	24.04 297		P	21 11 03.0	+3.4
PMG	Port Moresby	24.04 297		P	21 10 57.6	-2.0
PMG	comp=Z,52nm,1.0s			pmx		
PMG	Port Moresby	24.04 297		P	21 10 58.3	-1.2
PMG	Port Moresby	24.04 297		P	21 10 58.3	-1.2
AUMAG	Moama Anglican	25.45 230	Pn	Pn	21 11 15.1	+2.8
COEN	Coen	25.49 283	Pn	Pn	21 11 14.0	+1.1
COEN	Coen	25.49 283		Pn	21 11 10.5	-2.3

COEN	Coen	25.49 283	P	P	21 11 15.8	+2.9
COEN	Coen	25.49 283		P	21 11 15.1	+0.8
TOO	Toolangi	25.67 226	P	P	21 11 13.5	-0.8
TOO	Toolangi	25.67 226		Iamb	21 11 17.9	
TOO	comp=Z,43nm,1.2s			Iamb		
TOO	Toolangi	25.67 226	P	P	21 11 17.6	+3.3
TOO	Toolangi	25.67 226		pmx	21 11 13.5	-0.8
TOO	comp=Z,43nm,1.2s					
KAVG	Kavieng	25.72 315	P	P	21 11 17.5	+2.7
INKA	Innamkina	26.16 251	P	P	21 11 22.1	+3.3
STKA	Leigh Creek	26.29 241	P	P	21 11 20.7	+0.8
STKA	comp=Z,32nm,2.0s					
STKA	Stephens Creek	26.29 241	P	P	21 11 19.0	-1.0
STKA	Stephens Creek	26.29 241		pmx	21 11 22.6	+2.7
STKA	Stephens Creek	26.29 241		pmx	21 11 19.0	-1.0
STKA	comp=Z,32nm,2.0s					
STKA	Stephens Creek	26.29 241	P	P	21 11 20.8	+0.8
STKA	comp=Z,1.4nm,0.9s,baz=90,slow=12,SNR=7.6			LR	21 21 48.2	
STKA	comp=Z,3um,18.1s,baz=86,slow=37					
STKA	comp=Z,1.4nm,0.9s					
BRAT	Ballarat	26.73 228	P	P	21 11 27.8	+4.0
QIS	Mount Isa	27.22 267	P	P	21 11 28.1	-0.3
QIS	Mount Isa	27.22 267		P	21 11 31.3	+2.9
ARPS	Mount Arapiles	27.85 231	P	P	21 11 33.8	-0.1
ARPS	Mount Arapiles	27.85 231		P	21 11 36.4	+2.5
RAR	Rarotonga	29.27 95	LR	LR	21 23 42.0	
RAR	comp=Z,439nm,18.2s,baz=268,slow=37					
WHYH	Whyalla	29.87 241	P	P	21 11 56.0	+4.1
OOD	Oodnadatta	30.63 252	P	P	21 11 59.7	+1.0
BBOO	Bucklebo	31.06 242	P	P	21 12 02.5	-0.0
BBOO	Bucklebo	31.06 242		Iamb	21 12 10.3	
BBOO	Bucklebo	31.06 242		Iamb	21 12 10.3	
TABU	Tabubil	31.21 297	P	P	21 12 07.2	+3.2
WRO	Warramunga Arr	32.01 267	P	P	21 12 09.2	-1.8
WRO	Warramunga Arr	32.01 267		Iamb	21 12 16.7	
WRO	comp=Z,15nm,0.8s					
W3C	Warramunga Arr	32.16 267	P	P	21 12 11.2	-1.1
WRAB	Tennant Creek	32.19 267	P	P	21 12 14.0	+1.5
WRAB	Tennant Creek	32.19 267		pmx	21 12 11.2	-1.3
WRAB	comp=Z,24nm,1.2s			pmx		
WRA	Warramunga Arr	32.20 267	P	P	21 12 10.4	-2.2
WRA	Warramunga Arr	32.20 267		P	21 12 10.5	-2.2
WRA	comp=Z,9.7nm,0.8s,baz=98,slow=8.1,SNR=19			LR	21 24 50.2	
WRA	comp=Z,4um,20.8s,baz=100,slow=36					
WRA	comp=Z,9.7nm,0.8s					
AS31	Alice Springs	32.20 260	P	P	21 12 11.1	-1.6
ASAR	Alice Springs	32.20 260	P	P	21 12 10.8	-1.9
ASAR	comp=Z,7.9nm,0.8s,baz=82,slow=9.1,SNR=52			LR	21 26 13.5	
ASAR	comp=Z,611nm,19.6s,baz=98,slow=38					
MULG	Mulgathing	32.30 247	P	P	21 12 16.8	+3.4
KDU	Kakadu	35.72 278	P	P	21 12 46.1	+2.5
MTN	Mannton Dam	36.90 277	P	P	21 12 59.1	-1.7
MTN	Mannton Dam	36.90 277		Iamb	21 12 59.1	
WRKA	Warakurna	37.23 257	P	P	21 12 55.5	-0.7
WRKA	Warakurna	37.23 257		P	21 12 55.2	-1.0
WRKA	Warakurna	37.23 257		P	21 12 57.2	-1.0
FORF	Forrest	37.50 247	P	P	21 12 58.6	+0.3
FORF	Forrest	37.50 247		P	21 13 04.3	-0.7
KNRA	Kununurra	38.28 272	P	P	21 13 03.8	-1.2
KNRA	Kununurra	38.28 272		P	21 13 04.1	-0.9
KNRA	Kununurra	38.28 272		P	21 13 04.1	-0.9
PPT2	Papeete2	39.37 92	eS	S	21 19 16.2	+0.3
PPT2	comp=Z,347nm,24.5s			eLQ	21 22 03.8	
PPT2	comp=Z,662nm,23.2s			eLR	21 24 19.5	
PPT2	comp=Z,2um,27.5s					
PPT2	Papeete	39.37 92	LR	LR	21 25 06.7	
PPT2	comp=Z,1um,19.4s,baz=249,slow=30					
FAKI	Fak Fak	40.04 293	P	P	21 13 18.2	-1.6
FAKI	Fak Fak	40.04				

4d 21h

Table of station data for the 4d 21h section, including station names, coordinates, and various parameters like SNR, elevation, and status.

2017 NOV

Main table of station data for 2017 NOV, listing station names, coordinates, and parameters. Includes a detailed list of stations and their associated data.

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Table of station data for the 338 section, including station names, coordinates, and various parameters like SNR, elevation, and status.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Chvalec, Sankt Quirin, MOTA, PRU, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like BLS5, ODD1, SARKA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like RAR, RPZ, H1S2, etc.

4d 22h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h, m, s, ISC. Includes stations like MKAR, KURK, KURKB, KURBB, KURBS, DJR, SONM, TDK, SHLS, BVAR, ARU, BRTR, NOA, ASAR.

IDC 04 22:16:14.8-4.8, 20.94S, 168.20E, h0km, mb3.8/3, mbtmp3.8/3, Error ellipse: s-maj=83.3km s-min=48.4km az=115.0, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h, m, s, ISC. Includes stations like DZM, DZM, DZM, STKA, WRA, ASAR.

NEIC 04 22:24:16.9-1.1, 11.0S, 0.1-166.5E, 0.1, h159km, 9km, mb4.5/30, Error ellipse: s-maj=19.0km s-min=15.8km az=78.0

NOU 04 22:24:16.4, 10.87S, 166.77E, h186km, mb4.7/26, Santa Cruz Islands

IDC 04 22:24:17.6-5.3, 11.16S, 166.45E, h170km, 41km, mb3.9/8, mbtmp4.5/10, Error ellipse: s-maj=47.5km s-min=20.3km az=117.0

ISC 04 22:24:15.0-0.7, 11.07S, 0.07-166.53E, 0.10, h146km, n80, r1535/78, mb4.5/26, 10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h, m, s, ISC. Includes stations like HNR, KOUNC, LIFNC, LIFNC, MARNC, YATNC, ONTNC, OUENC, PMG, PATS, RK1H, EIDS, TV1H, CTAO, MTSU, RMQ, COEN, ARMA, AULRC, QLP, RTZ, INKA, STKA, AS31, ASAR, MTN, BBOO, KNRA, WRKA, FORT, PSA00, MBWA.

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, h, m, s, ISC. Includes stations like MEEK, NWAO, MORW, NJ2, XAN, HHC, CMAR, PZH, M16K, K15K, SONM, GTA, SVA, PWL, KNK, CAST, SCM, IMAR, MDM, SCRC, BCAR, BMAR, WMQ, MK31, MKAR, MKAR.

JMA 04 22:25:45.0, 2.24N, 122.72E, h89km, 1km, MV1.9/8, NW OFF ISHIGAKIUMA IS

TAP 04 22:25:45.4, 24.51N, 122.72E, h89km, ML2.0, 3, ISC 04 22:25:45.4, 1.6, 24.46N, 122.72E, h100.03, h91km, 10km, n44, c081175, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h, m, s, ISC. Includes stations like E0S3, E0S2, E0S2, E0S4, TWC, EWUT, EWUT, ENA, IRIF, TIPB, TWE, NACB, NACB, ENT, FUSB, FUSB, LATG, NDT, NWLT, NWLT, ETNH, ETNH, NNSB, ETM, YHNB, YHNB, YMO1, NSK, NSK, LXIB, LXIB, JIJ, JIJ, ESL, ESL, WHF, WHF, EGFH, WARB, CHGB, CHGB.

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, h, m, s, ISC. Includes stations like JISG, OWD, WUSB, WUSB, NSTT, EHY, VWDV, VWDV, WHP, WHP, YULB, YULB, EYUL, WCS, WCS, SSSL, SSSL, SMLT, TYC, WHYT, WHYT, CHNS, CHNS, STYH, STYH.

IDC 04 22:30:40.3-1.5, 59.51N, 30.65W, h0km, mb3.6/6, mbtmp3.7/7, ML3.7/1, MS3.3/9, Error ellipse: s-maj=35.0km s-min=29.5km az=144.0

ISC 04 22:30:42.8-1.3, 59.55N, 0.2-30.7W, h0.2, h16km, n16, c05018, mb3.7/6, MS3.4/6, Reykjanas Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h, m, s, ISC. Includes stations like BORG, BORG, SFJD, FRB, SCHO, NOA, ARCES, ESDC, FINES, YKA, PDAR, GNI, BVAR, ELK, KURBB, MKAR, AAK.

TAP 04 22:34:47.4, 24.71N, 122.48E, h16km, ML2.9, D JMA 04 22:34:48.1, 0.1, 24.71N, 0.6-122.56E, 0.3, h12km, 2km, MV2.7/7, NW OFF ISHIGAKIUMA IS

ISC 04 22:34:47.1, 0.1, 24.71N, 0.3-122.48E, 0.02, h16km, 9km, n36, c045/69, 1C, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h, m, s, ISC. Includes stations like E0S2, E0S2, E0S2, E0S3, E0S3, JYNG, JYNG, TWB1, TWB1, YOJ, YOJ, TWC, TWC, E0S4, E0S4, E0S4, TIPB, TIPB, SX11, SX11, EWUT, EWUT, NWF, NWF, TWB1, TWB1, WFSB, WFSB, ENA, ENA, TWE, TWE, TWE, TWE, FUSB, FUSB, FUSB, ENT.

Table with columns for station ID, name, coordinates, and elevation. Includes stations like YAK, JMN, GSTR, KRSRS, KSAR, JNU, GAMB, M11K, TIXI, TNA, F14K, M14K, N14K, O14K, M15K, C16K, H11N2, H11N1, H11N3, N15K, O15K, L16K, M16K, F17K, NJ2, NJ2, NJ2, N16K, HHC, HHC, O16K, H11S1, L17K, H11S2, K17K, R16K, C18K, M17K, B18K, N17K, O17K, G18K, SONM, SONM, SONM, L18K, P17K, R17K, J18K, A19K, C19K, F19K, N18K, Q17K, M18K, TTA, G19K, H19K, H19K, E19K, P18K, O18K, J19K, Q18K, L19K, N19K, M19K, F20K, R18K, D20K, H20K.

Table with columns for station ID, name, coordinates, and elevation. Includes stations like E20K, J20K, L20K, B20K, M20K, IMAR, G21K, C21K, F21K, E21K, H21K, B21K, N20K, SPCR, CHUM, KDAK, KDAK, KDAK, KDAK, KDAK, KDAK, PPLA, Q20K, SYI, SYI, CAST, A22K, I21K, SKT, SKT, HOM, F22K, D22K, CAPN, B22K, B22K, CNPM, CNPM, H22K, BPAW, G22K, E22K, GUMO, BRSE, TRF, COLD, G20K, RC21, D23K, H23K, I23K, C23K, SEW, PMR, E23K, MCK, TOLK, TOLK, TOLK, WAT1, KNK, KNK, MDM, MDM, SML, SML, SML, SML, PWL, E24K, D24K, H24K, CCB, C24K, WAT6, F24K, M23K, POKR, POKR, POKR, G24K, DHY, SCM, HDA, HDA, IL31, IL31.

Table with columns for station ID, name, coordinates, and elevation. Includes stations like ILAR, ILAR, ILAR, P23K, G25K, D25K, M24K, H25L, K24K, F25K, PRP, PRP, E25K, Q23K, J25K, PAX, EYAK, HARP, BMAR, C26K, F25K, M26K, G26K, SCRR, SCRR, BMRM, J26L, KAIM, I26K, L26K, VRDI, VRDI, M26K, M26K, MCARA, E27K, G27K, K27K, H27K, D27M, L27K, BCAR, M27K, EGAK, BARN, BARN, GRNC, GRNC, F28M, E28M, BVCY, CTG, CTG, CTGM, CTGM, I28M, D28M, YUK3, DAWY, E29M, H29M, O28M, G29M, PINM, M29M, L29M, PNL, YUK4, K29M, G30M, F30M, I30M, J30M, M30M, HYT, N30M, P29M, G31M, INK, INK, INK, F31M, H31M, P30M, N31M, O30N, O30N, PLBC, M31M.

4d 23h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like WHY Whitehorse, FARO Faro, ZAAO Zalesovo Array, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like PINE Pine Mountain, J05D Fore Rock, YBH Yreka Blue Hor, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like CIS Catalina Islan, DY2G Dye2, HEC Hektor, Ludlow, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Lemond, Waseca, Pascal Instru, Douglas, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like VOIR, VOIR, Ion Corvin, Hobbs, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ECH, ECHery, PKME, Bojanci, etc.

Table of seismic events with columns for station name, time, magnitude, and location. Includes stations like PAMC, RUSC, PTBC, TAMC, SPBC, ZARC, NORC, CHIC, ROSC, UREC, GUY2C, VILC, PTGC, CBCC, DBBC, ARGC, SDV, APAC, PRAC, ORTC, SJCC, PLMC, CRJC, YOTC, GUVV, SMRC, CAPC, MACC, BETC, URIC, MALC, BAUV, POPC, FLOC, BBAC, BCIP, OTAV, PCRV, BOSJ, MTDJ, ORTG, GBTY, BOAV, ETMB, SAML, MDP, VILB, LPAZ, and LAZ.

Table of seismic events with columns for station name, time, magnitude, and location. Includes stations like GOGA, Y4BA, X4BA, W50A, P5A, CCM, TXAR, ULM, PDAR, YKA, ILAR, ASAR, WRA, LIFNC, DZM, ONTC, RTV, DVP, KOUNC, ASAR, NVAR, EKA, GERES, DNK, ISC, CLRN, UPNV, ILON, KULLO, KULLO, KULLO, TULEG, UMMG, NEEM, FRB, RES, SUMC, DAG, DBG, NOU, WRA, ASAR, GERES, and BUJ. Includes various island names like Loyalty Islands, Bougainville, and others.

Table of seismic events with columns for station name, time, magnitude, and location. Includes stations like DAV, WRA, ASAR, SONM, DZM, MKAR, CDM, CJM, CIHU, CDAR, COMA, PUVA, PUIA, COIG, SOMAC, ANIG, MMIG, AAIG, AIIG, ZIIG, ZIIG, ZAIG, ARIG, ARIG, CAIG, PLIG, H06E1, H06S1, H06N1, FTIG, TXAR, ANMO, NVAR, ILAR, H03N2, H03N1, H03N3, WRA, ASAR, ILAR, NOU, MARNC, LIFNC, PINNC, YAENC, OUCN, DZM, DZM, DZM, ONTC, NOUC, KOUNC, WRA, ASAR, GSPA, SONM, NVAR, EKA, GERES, and BUJ. Includes various island names like Philippines, Bougainville, and others.

5d 1h

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Table with columns: ID, Name, Frequency, Mode, Power, and other parameters. Includes entries like JHJ Hachioji jima 2, DNP Denpasar, IGBI Denpar, etc.

Table with columns: ID, Name, Frequency, Mode, Power, and other parameters. Includes entries like KSAR Wonju Array Be, KSAR Wonju Array Be, KS19 Wonju Array Si, etc.

Table with columns: ID, Name, Frequency, Mode, Power, and other parameters. Includes entries like RRC Edison Barstow, CWC Cottonwood Cr, OMMB Old Mammoth, etc.

M14K	Bethel	80.17	8	P	P	01 46 46.7	0.0
PDMC1	Parker Dam,Lak	80.20	49	P	P	01 46 48.3	+0.8
M15K	baz=239,SNR=50 Kasigluk River	80.28	8	P	P	01 46 47.1	-0.1
N16K	Nishlik Lake	80.35	9	P	P	01 46 47.5	-0.2
O18K	Koktuh Hills	80.38	11	P	P	01 46 47.0	-0.8
J05D	Fort Rock, OR	80.53	38	P	P	01 46 49.2	0.0
P19K	Oil Pt	80.57	12	I	I	01 46 50.2	
P19K	Oil Pt	80.57	12	P	P	01 46 47.8	-1.0
L14K	Kulka Creek	80.65	7	P	P	01 46 48.5	-0.6
N17K	Nushagak Hills	80.66	10	P	P	01 46 48.6	-0.6
S11A	Rachel	80.81	45	I	I	01 46 52.8	
M16K	Timber Creek	80.85	9	P	P	01 46 50.5	+0.3
O19K	Port Alsworth	80.86	12	P	P	01 46 49.3	-0.9
CNPM	China Foot	80.88	13	I	I	01 46 51.2	
ILSW	Iliamna South	80.90	12	I	I	01 46 50.7	
HOM	Homér	80.91	13	P	P	01 46 50.4	-0.1
SNY	Shenyang	80.97	320	↑	↑	01 46 52.4	+1.1
SNY				S	S	01 56 25.2	+1.7
SNY				SKSac	SKSac		
CN2	Changchun	81.00	322	↓	↓	01 46 51.6	+0.2
CN2				eS	eS	01 49 23.6	-3.2
CN2				S	S	01 56 20.9	+0.7
CN2				pmx	pmx		
CN2				pmx	pmx		
K13K	Kusilvak Mount	81.01	6	P	P	01 46 50.9	-0.1
N18K	Kilae Creek	81.03	11	P	P	01 46 50.2	-1.0
BNX	BinXian	81.07	325	↓	↓	01 46 51.9	+0.2
BNX				pP	pP	01 48 37.1	-0.3
BNX				sP	sP	01 49 27.2	+0.1
BNX				pp	pp	01 50 07.4	+1.8
BNX				S	S	01 56 24.5	+0.4
BNX				pmx	pmx		
BNX				pmx	pmx		
KLR	Kul'dur	81.08	329	d	d	01 46 52.0	+0.3
KLR				pmx	pmx		
KLR				pmx	pmx		
KLR				pmx	pmx		
KLR				pmx	pmx		
O20K	Slope Mountain	81.09	12	P	P	01 46 50.4	-1.2
I05D	Terrbonne, OR	81.11	37	P	P	01 46 52.1	0.0
I05D				I	I	01 46 54.0	
L15K	Ungalak Mouta	81.12	8	P	P	01 46 51.1	-0.5
PRN	Pahroc Range	81.16	46	I	I	01 46 55.0	
BRLK	Bradley Lake	81.17	13	P	P	01 46 51.0	-1.0
BRLK				I	I	01 46 52.5	
BRSE	Bradley Lake S	81.18	13	P	P	01 46 51.5	-0.5
R11B	Troy Canyon, C	81.30	45	P	P	01 46 53.1	-0.2
BELA	Belgrano 2	81.33	173	P	P	01 46 52.6	-0.1
BELA				I	I	01 46 54.2	
BELA				pP	pP	01 48 38.1	+0.4
N19K	Bonanza Creek	81.40	11	P	P	01 46 51.9	-1.3
L16K	Owhat River	81.43	9	I	I	01 46 54.8	
L16K	Owhat River	81.43	9	P	P	01 46 52.9	-0.3
M17K	Holitna River	81.44	10	P	P	01 46 53.8	+0.5
SVW2	Sparrevohn	81.47	11	P	P	01 46 53.0	-0.5
HOOD	Mount Hood Mea	81.52	36	I	I	01 46 55.8	
DIB	Dawson Inlet,	81.54	26	I	I	01 46 55.7	
HO2S1	DAWSON INLET T	81.54	26	P	P	01 46 54.2	+0.2
WHN	Whan	81.56	306	↑	↑	01 46 55.9	+1.3
WHN				pmx	pmx		
WHN				pmx	pmx		
WVOR	Wild Horse Val	81.59	40	I	I	01 46 56.7	
HOLB	Holberg	81.63	29	I	I	01 46 56.0	
G05A	Wamic	81.66	37	I	I	01 47 10.8	
TUC	Tucson	81.68	52	P	P	01 46 56.7	+1.4
TUC				I	I	01 46 58.2	
TUC				P	P	01 46 56.8	+1.5
TUC				pmx	pmx	01 46 56.7	+1.4
K15K	Wolf Creek Mou	81.72	8	P	P	01 46 55.0	+0.4
BKNI	Bangkinang	81.77	273	P	P	01 46 55.9	-0.2
BKNI				I	I	01 46 58.5	
BKNI				P	P	01 46 57.5	+1.4
BKNI				P	P	01 46 56.9	+0.8
M18K	Stony River	81.80	10	P	P	01 46 54.7	-0.3
SEW	Seward	81.80	14	P	P	01 46 54.0	-1.1
J14K	Nanvaranak Lak	81.92	7	P	P	01 46 55.5	-0.1
PDSI	Padang	81.92	272	P	P	01 46 56.6	-0.3
L17K	Middleton Isla	81.95	16	P	P	01 46 55.4	-0.4
Q23K	Donlin	82.01	9	P	P	01 46 56.8	+0.6
I07A	Ize	82.02	38	I	I	01 46 58.9	
G06A	Carlson Farm,	82.04	37	I	I	01 46 58.5	
O22K	Cooper Landing	82.07	14	P	P	01 46 55.8	-0.7
O22K				I	I	01 46 56.8	
O22K				P	P	01 46 55.5	-1.0
P23K	Montague Isian	82.18	15	P	P	01 46 56.3	-0.8
LCMT	Little Creek M	82.20	47	I	I	01 47 00.1	
X16A	Lo Mia Camp, P	82.20	50	I	I	01 47 00.7	
N20K	Mount Spurr	82.20	12	P	P	01 46 55.6	-1.7
SPCR	Spurr Chakacha	82.20	12	P	P	01 46 55.6	-1.6
GNW	Green Mountain	82.26	34	I	I	01 46 59.5	
GAMB	Gambell	82.31	3	P	P	01 46 58.1	+0.4
L18K	Granite Mouta	82.34	10	I	I	01 46 59.5	
L18K				P	P	01 46 58.1	+0.3
CLRS	Cowichan Lake	82.37	32	I	I	01 46 60.0	
CCUT	Cedar City	82.39	46	P	P	01 46 59.2	+0.2
CCUT							
CCUT							
GULI	GuLin	82.43	300	↓	↓	01 47 01.6	+2.4
GULI				pmx	pmx		
GULI				pmx	pmx		
M19K	Big River Lodg	82.43	11	P	P	01 46 57.4	-1.0
KNB	Campbell River	82.49	47	I	I	01 47 01.8	
CBB	Campbell River	82.54	31	I	I	01 47 00.8	
PSUT	Pine S	82.55	45	I	I	01 47 01.6	
K17K	Iditarod	82.56	9	I	I	01 47 00.7	
K17K	Iditarod	82.56	9	P	P	01 46 58.9	-0.1
SZCU	Shurtz Canyon	82.60	46	I	I	01 47 02.3	
L19K	White Mountain	82.61	11	I	I	01 47 00.5	
L19K	White Mountain	82.61	11	P	P	01 46 58.7	-0.6
PGC	Sidney	82.61	33	I	I	01 47 01.1	
RC01	Rabbit Creek A	82.61	13	P	P	01 46 58.2	-1.1
M20K	Styx River	82.64	11	P	P	01 46 58.0	-1.5
PWL	Port Wells	82.72	14	I	I	01 47 00.2	
PWL	Port Wells	82.72	14	P	P	01 46 58.7	-1.2
SUA	Susitna One	82.74	13	I	I	01 47 00.2	
SUA	Susitna One	82.74	13	P	P	01 46 58.8	-1.2
HIN	Hinchinbrook I	82.75	15	I	I	01 47 00.5	
WUAZ	Wupatki	82.77	49	I	I	01 47 03.4	
WUAZ	Wupatki	82.77	49	P	P	01 47 01.8	+0.9
J16K	Anvik River	82.79	8	I	I	01 47 01.7	
J16K	Anvik River	82.79	8	P	P	01 47 00.5	+0.4
ELK	Elko	82.79	43	P	P	01 47 01.3	+0.3
ELK				I	I	01 47 02.7	
ELK				P	P	01 47 01.3	+0.3
ELK				pmx	pmx		
F07A	Phinny Hill Vi	82.83	37	I	I	01 47 02.5	
KAIM	Kayak Island	82.88	16	I	I	01 47 01.8	
KAIM	Kayak Island	82.88	16	P	P	01 47 00.7	0.0
GLI	Glacier Island	83.03	15	P	P	01 47 00.2	-1.2
G08A	Pilot Rock	83.03	37	I	I	01 47 03.8	
SKT	Skwentna	83.05	12	P	P	01 46 59.5	-1.9
L20K	Forewell, AK	83.06	11	P	P	01 47 00.7	-0.8
FID	Port Fidalgo	83.07	15	I	I	01 47 01.8	
EYAK	Cordova Ski Ar	83.07	15	P	P	01 47 01.1	-0.5
EYAK	Cordova Ski Ar	83.07	15	P	P	01 47 00.7	-0.8
SISA	Saibi	83.09	271	P	P	01 47 03.7	+0.9
TTA	Tatalina	83.11	10	P	P	01 47 01.7	-0.1
M22K	Willow	83.13	13	P	P	01 47 00.4	-1.4
KNK	Knik Glacier	83.19	14	I	I	01 47 02.7	
KNK	Knik Glacier	83.19	14	P	P	01 47 01.2	-1.0
PMR	Palmer	83.20	13	I	I	01 47 02.6	
PMR	Palmer	83.20	13	P	P	01 47 01.1	-1.0
PMR	Palmer	83.20	13	P	P	01 47 01.2	-1.0
RAGM	Ragged Mountain	83.21	16	I	I	01 47 03.7	
LTY	Liberty	83.23	35	I	I	01 47 04.2	
E07A	Sunnyside	83.27	36	I	I	01 47 04.8	
HMT	Hamilton	83.27	16	P	P	01 47 01.9	-0.7
HMT				I	I	01 47 03.3	
HMT				pP	pP	01 48 45.7	-2.7
BGLC	Bering Glacier	83.35	17	P	P	01 47 03.1	+0.1
HAWA	Hanford	83.35	36	I	I	01 47 05.2	
MAW	Mawson	83.35	200	P	P	01 47 03.7	+0.6
MAW	Mawson	83.35	200	P	P	01 47 03.5	+0.5
MAW	Mawson	83.35	200	P	P	01 47 03.5	+0.5
MAW				pmx	pmx		
MAW				pmx	pmx		
SIT	Sitka	83.35	22	P	P	01 47 03.1	+0.1
MTPU	Mount Pierson	83.44	46	I	I	01 47 07.2	
U33K	Whale Pass	83.44	23	P	P	01 47 03.4	-0.1
J18K	Innoko River	83.51	9	I	I	01 47 04.8	
J18K	Innoko River	83.51	9	P	P	01 47 03.5	-0.3
B06A	Marblemount	83.55	34	I	I	01 47 05.4	
SML	Sawmill	83.56	14	I	I	01 47 04.7	
SML	Sawmill	83.56	14	P	P	01 47 03.2	-0.9
E08A	Dederm Farm, EI	83.67	36	P	P	01 47 04.8	-0.1
E08A				I	I	01 47 06.7	
CUT	Chulitna	83.69	12	P	P	01 47 03.5	-1.1
M23K	Glacier View	83.69	14	P	P	01 47 03.8	-0.9
BMRM	Bremner River	83.72	16	P	P	01 47 04.1	-0.8
S31K	Pelican	83.74	21	P	P	01 47 04.8	-0.2
KULM	Kulim	83.75	278	P	P	01 47 06.0	0.0
KULM				I	I	01 47 08.3	
PPLA	Purkeypile	83.75	11	P	P	01 47 04.2	-0.9
MESA	MESA	83.76	17	P	P	01 47 05.1	-0.2
W18A	Petrified For	83.76	50	P	P	01 47 06.6	+0.6
SCM	Sheep Creek Mo	83.81	14	P	P	01 47 04.5	-0.8
K20K	Telida	83.84	10	I	I	01 47 06.2	
K20K	Telida	83.84	10	P	P	01 47 04.6	-0.8
KLU	Klutina	83.85	15	P	P	01 47 04.7	-0.9
MFID	MacInch Ran	83.85	40	I	I	01 47 07.9	
HEH	Heihe	83.89	328	eP	eP	01 47 05.3	-0.6
HEH				pmx	pmx		
HEH				pmx	pmx		
H16K	Elim	83.90	7	P	P	01 47 05.3	-0.3
CRQM	Crque	83.92	16	I	I	01 47 06.9	
S32K	Killisnoo	83.93	22	P	P	01 47 05.9	0.0
CRQE	Crque	83.93	16	P</			

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SKAG	Skagway	85.20	20	I	Amb	I	Amb	01 47 14.1
SKAG	Skagway	85.20	20	P	P	P	P	01 47 13.4 +1.3
SKAG	Skagway	85.20	20	P	P	P	P	01 47 12.4 +0.3
PAX	Paxson	85.23	14	P	P	P	P	01 47 11.1 -1.3
Y22A	Socorro	85.27	52	P	P	P	P	01 47 14.4 +1.0
M26K	Nabesna, AK	85.35	15	I	Amb	I	Amb	01 47 14.4
M26K	Nabesna, AK	85.35	15	P	P	P	P	01 47 12.5 -0.4
GS1	Gunungstisoli	85.36	273	P	P	P	P	01 47 13.8 -0.2
GS1	Gunungstisoli	85.36	273	P	P	P	P	01 47 15.9 +1.9
GS1	Gunungstisoli	85.36	273	P	P	P	P	01 47 15.7 +1.7
Y22D	IRIS PASSCAL I	85.36	52	P	P	P	P	01 47 14.5 +0.7
Y22F	Passcal Instru	85.36	52	P	P	P	P	01 47 14.3 +0.5
YUK6	Outpost Mounta	85.42	18	P	P	P	P	01 47 13.3 -0.2
TCUT	Toone Canyon	85.48	44	I	Amb	I	Amb	01 47 17.6
H19K	Roundabout Mo	85.49	9	P	P	P	P	01 47 13.1 -0.3
YUK3	Moose Creek	85.50	17	P	P	P	P	01 47 13.5 -0.4
S34M	Telegraph Cree	85.50	23	I	Amb	I	Amb	01 47 15.4
S34M	Telegraph Cree	85.50	23	P	P	P	P	01 47 14.1 +0.5
MNTX	Cornudas Mount	85.51	55	P	P	P	P	01 47 15.2 +0.8
MNTX	Cornudas Mount	85.51	55	P	P	P	P	01 47 15.0 +0.7
MNTX	Cornudas Mount	85.51	55	P	P	P	P	01 47 15.5 +1.1
G18K	Tagagawik	85.54	8	P	P	P	P	01 47 12.9 -0.8
HYT	Haines Junctio	85.58	19	I	Amb	I	Amb	01 47 15.5
HYT	Haines Junctio	85.58	19	P	P	P	P	01 47 13.8 -0.3
M27K	Edge Creek, AK	85.60	16	P	P	P	P	01 47 14.3 +0.1
MVCO	Mesa Verde	85.62	48	P	P	P	P	01 47 15.3 +0.2
MENT	Mentasta	85.62	15	I	Amb	I	Amb	01 47 15.1
MENT	Mentasta	85.62	15	P	P	P	P	01 47 14.0 -0.2
YUK4	Talbot Arm	85.66	18	P	P	P	P	01 47 14.3 -0.3
H20K	Anotleneega Mo	85.69	9	P	P	P	P	01 47 13.8 -0.6
F17K	Baldwin Pennin	85.76	7	P	P	P	P	01 47 13.8 -0.8
NEW	Newport	85.76	36	P	P	P	P	01 47 14.8 -0.5
PV17	East Wray Mesa	85.78	47	P	P	P	P	01 47 16.2 +0.5
L26K	Log Cabin Wild	85.79	15	I	Amb	I	Amb	01 47 15.9
L26K	Log Cabin Wild	85.79	15	P	P	P	P	01 47 14.8 -0.2
SRIT	Nakonsritamara	85.83	280	P	P	P	P	01 47 16.5 +0.0
SRIT	Nakonsritamara	85.83	280	P	P	P	P	01 47 18.7 +2.5
P32M	Atlin	85.83	21	P	P	P	P	01 47 15.5 +0.2
Q32M	Nongkai	85.84	291	P	P	P	P	01 47 17.4 +1.2
Q32M	Nakina River	85.86	22	P	P	P	P	01 47 17.2
I21K	Tanana	85.88	11	I	Amb	I	Amb	01 47 15.9
I21K	Tanana	85.88	11	P	P	P	P	01 47 14.5 -0.8
TX31	Lajitas Ar. Si	85.88	57	P	P	P	P	01 47 17.6 +1.3
TXAR	Lajitas Array	85.88	57	P	P	P	P	01 47 17.6 +1.3
TXAR	Newport	85.88	57	P	P	P	P	01 47 17.6 +1.3
TXAR	Newport	85.88	57	P	P	P	P	01 47 17.6 +1.3
K24K	Donnelly Dome	85.89	14	P	P	P	P	01 47 14.7 -0.7
KCSI	Kocacane, Aceh	85.89	275	P	P	P	P	01 47 16.7 +0.1
NEA2	Nenana	85.89	12	P	P	P	P	01 47 13.8 -1.6
BVCY	Beaver Creek	85.91	16	P	P	P	P	01 47 14.0 -1.6
GYA	Guiyang	85.95	299	iP	sP	sP	sP	01 47 18.0 +1.3
GYA	Guiyang	85.95	299	iP	sP	sP	sP	01 49 53.5 +0.9
GYA	Guiyang	85.95	299	iP	sP	sP	sP	01 47 18.0 +1.3
O30N	Mendenhall	85.97	19	I	Amb	I	Amb	01 47 17.2
O30N	Mendenhall	85.97	19	P	P	P	P	01 47 14.9 -1.0
G19K	Purcell Mounta	85.98	8	P	P	P	P	01 47 15.0 -0.8
SURA	Surathant	85.99	281	P	P	P	P	01 47 18.9 +1.9
ANMO	Albuquerque	86.09	51	P	P	P	P	01 47 17.5 +0.3
ANMO	Albuquerque	86.09	51	P	P	P	P	01 47 17.6 +0.3
ANMO	Albuquerque	86.09	51	P	P	P	P	01 47 17.8 +0.5
ANMO	Albuquerque	86.09	51	iP	p	p	p	01 47 17.6 +0.3
ZEI	Zeya	86.15	331	eP	e	e	e	01 47 17.3 +0.4
ZEI	Zeya	86.15	331	eP	e	e	e	01 58 11.1
ZEI	Zeya	86.15	331	eP	e	e	e	01 47 17.3 +0.4
ZEI	Zeya	86.15	331	eP	e	e	e	01 47 17.3 +0.4
HDA	Harding Lake	86.16	13	I	Amb	I	Amb	01 47 16.9
HDA	Harding Lake	86.16	13	P	P	P	P	01 47 15.5 -1.2
NAYO	Nakonayok	86.17	286	P	P	P	P	01 47 19.5 +1.7
H21K	Melozitna Rive	86.18	10	I	Amb	I	Amb	01 47 18.7
H21K	Melozitna Rive	86.18	10	P	P	P	P	01 47 16.3 -0.4
CCB	Clear Creek Bu	86.19	12	I	Amb	I	Amb	01 47 16.8
L27K	Beaver Creek	86.20	16	P	P	P	P	01 47 16.5 -0.4
N30M	Aishikik Lake	86.20	18	P	P	P	P	01 47 17.0 -0.1
TIV	Taiyuan	86.24	312	eP	S	S	S	01 47 19.5 +1.7
TIV	Taiyuan	86.24	312	eP	S	S	S	01 57 04.4 -7.7
TIV	Taiyuan	86.24	312	eP	S	S	S	01 47 19.5 +1.7
TIV	Taiyuan	86.24	312	eP	S	S	S	01 47 19.5 +1.7
WHY	Whitehorse	86.26	20	P	P	P	P	01 47 17.6 +0.2
DLBC	Dease Lake	86.29	23	P	P	P	P	01 47 17.5 0.0
ALPN	Alpine	86.33	56	I	Amb	I	Amb	01 47 20.9
IMAR	Indian Mountai	86.33	10	P	P	P	P	01 47 16.9 -0.5
IMAR	Indian Mountai	86.33	10	P	P	P	P	01 49 02.5 -1.5
I23K	Minto, Yukon-K	86.33	12	P	P	P	P	01 47 16.0 -1.4
MDM	Murphy Dome	86.38	12	I	Amb	I	Amb	01 47 17.7
COLA	College	86.38	12	P	P	P	P	01 47 16.3 -1.3
COLA	College	86.38	12	P	P	P	P	01 47 17.6
COLA	College	86.38	12	P	P	P	P	01 47 16.6 -1.1
COLA	College	86.38	12	P	P	P	P	01 47 16.5 -1.2
COLA	College	86.38	12	iP	P	P	P	01 47 19.4 +1.7

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COLA	comp=Z,14nm,0.8s							
SCRK	Sand Creek	86.44	14	P	P	P	P	01 47 17.8 -0.4
AHID	Autumn Hatcher	86.48	43	I	Amb	I	Amb	01 47 20.9
IL31	comp=Z,48nm,1.0s	86.49	13	I	Amb	I	Amb	01 47 18.4
ILAR	Eielson Array	86.49	13	P	P	P	P	01 47 16.6 -1.6
ILAR	comp=Z,34nm,1.0s	86.49	13	P	P	P	P	01 49 05.2 +0.1
ILAR	comp=Z,2.1nm,0.9s	86.49	13	P	P	P	P	01 50 51.2 +2.5
ILAR	comp=Z,0.6nm,0.6s	86.49	13	P	P	P	P	01 52 20.6 -0.9
ILAR	comp=Z,0.1nm,0.5s	86.49	13	P	P	P	P	01 56 55.0 -2.8
ILAR	comp=Z,1.3nm,0.6s	86.49	13	P	P	P	P	02 05 11.2 +3.2
ILAR	comp=Z,0.6nm,0.8s	86.49	13	P	P	P	P	02 13 17.1 +0.3
F19K	Shalerrucki Mo	86.57	8	P	P	P	P	01 47 17.5 -0.9
PECS	Pecos	86.55	55	I	Amb	I	Amb	01 47 21.6
M29M	Somme Creek	86.59	17	I	Amb	I	Amb	01 47 20.1
M29M	Somme Creek	86.59	17	P	P	P	P	01 47 18.7 -0.2
P33M	Teslin, Yukon	86.60	21	P	P	P	P	01 47 18.2 -0.7
N31M	Braeburn, Yuko	86.62	19	I	Amb	I	Amb	01 47 20.3
N31M	Braeburn, Yuko	86.62	19	P	P	P	P	01 47 18.8 -0.2
R33M	Jennings River	86.64	22	I	Amb	I	Amb	01 47 21.0
R33M	Jennings River	86.64	22	P	P	P	P	01 47 19.4 +0.2
H22K	Ishtalita Cre	86.66	11	P	P	P	P	01 47 18.0 -0.9
J25K	Salcha River,	86.68	13	I	Amb	I	Amb	01 47 19.8
J25K	Salcha River,	86.68	13	P	P	P	P	01 47 18.2 -1.0
POKR	Poker Flat Res	86.68	12	P	P	P	P	01 47 17.8 -1.4
XLT	XLiInHaoTe	86.73	319	eP	P	P	P	01 47 17.4 -2.6
XLT	XLiInHaoTe	86.73	319	eP	P	P	P	01 49 05.8 -1.7
XLT	XLiInHaoTe	86.73	319	eP	P	P	P	01 49 52.6 -4.2
XLT	XLiInHaoTe	86.73	319	eP	P	P	P	01 50 53.0 +1.7
XLT	XLiInHaoTe	86.73	319	eP	P	P	P	01 57 17.0 +0.4
XLT	XLiInHaoTe	86.73	319	eP	P	P	P	02 00 23.4 -3.6
XLT	XLiInHaoTe	86.73	319	eP	P	P	P	02 03 14.9 +2.3
XLT	XLiInHaoTe	86.73	319	eP	P	P	P	02 03 14.9 +2.3
E18K	Tukpahleirik C	86.78	7	P	P	P	P	01 47 19.4 -1.0
E18K	Tukpahleirik C	86.78	7	P	P	P	P	01 47 18.6 -0.1
D17K	Noatak River	86.80	6	P	P	P	P	01 47 18.5 -1.1
MSO	Missoula	86.80	38	P	P	P	P	01 47 19.9 -0.4
G21K	Allakaket	86.86	9	P	P	P	P	01 47 19.4 -0.6
H23K	Yukon River	86.90	11	P	P	P	P	01 47 19.0 -1.2
TPAW	Teton Pass	86.93	42	I	Amb	I	Amb	01 47 23.2
K27K	Chino, Yukon	86.94	15	I	Amb	I	Amb	01 47 21.9
K27K	Chicken	86.94	15	P	P	P	P	01 47 20.3 -0.1
FXWY	Fox Creek	86.96	42	I	Amb	I	Amb	01 47 23.3
J26L	Joseph Creek	86.99	14	P	P	P	P	01 47 20.6 -0.1
F20K	Avarakt Lake	87.03	8	P	P	P	P	01 47 20.2 -0.5
S22A	4UR Ranch, Cre	87.04	49	I	Amb	I	Amb	01 47 23.8
S22A	4UR Ranch, Cre	87.04	49	P	P	P	P	01 47 21.2 -0.7
S22A	4UR Ranch, Cre	87.04	49	P	P	P	P	01 47 22.8 +0.7
O20A	White River Ci	87.13	46	P	P	P	P	01 47 23.3 +0.2
O20A	White River Ci	87.13	46	P	P	P	P	01 47 22.2 +0.2
IMW	Indian Meadow	87.14	42	I	Amb	I	Amb	01 47 24.3
M30M	Minto, Yukon							

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Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KKAR Karatay Array, IUG luzhny, IUM Chikment, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ZKTA Zakatala, VORR Voronezh, VSR Storozhevoje, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like CFR Carcaliu, PANC Panciu, TPGR Topolog, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like RAZG Razgrad, LOT Lotru, DEV Deva, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like MYKA, SOTA, DIVS, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like UPNV, ILON, KULLO, etc.

ROM 05:01:52:12.6:0.1, 43°22'27"N, 0°00'44"E, 12°848E±0.005, h9km, 1km, ML0.4/1.2, 1C-1D, Error ellipse: s-maj=0.4km s-min=0.2km az=107.0, Central Italy

IDC 05:01:54:17.8:2.9, 36°77'N, 71°20'E, h64km, 25km, mb3.7/20, bmtpp4, 1.25, ML4.3/5, MS3.0/1, Error ellipse: s-maj=19.1km s-min=13.1km az=3.0

MOS 05:01:54:18.6:1.2, 36°96'N, 71°16'E, h79km, mb4.2/8, Error ellipse: s-maj=8.7km s-min=4.3km az=78.7

NEIC 05:01:54:21.1:2.1, 37°02'N, 0°08'71"E, 0.1, h84km, 9km, mb4.0/7, Error ellipse: s-maj=13.6km s-min=10.9km az=100.0

NVC 05:01:54:25.3:2.6, 37°38'N, 71°07'E, h187km, 37km, mb3.6, mppv4.6, Error ellipse: s-maj=25.0km s-min=17.6km az=32.0

ISC 05:01:54:20.1:0.4, 36°33'N, 0°04'71"E, 0.04, h88km, n145, c204/175, mb4.0/28, 6C-12D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Frequency, Mode, and other parameters. Includes stations like KBL, ARSB, AML, etc.

DNK 05:01:51:32.1:3.5, 71°42'N, 70°16'W, h0km, 126km, ML2.4

OTT 05:01:51:34.0:0.2, 71°46'N, 69°59'W, h18km, MN3.8/4, 117km northeast from Clyde River, N Eastern Arctic Background Seismic Zone.

ISC 05:01:51:30.5:1.0, 71°47'N, 0°06'69.70W±0.06, h10km, n13, c294/21, Baffin Bay

Table with columns: Code, Station Name, Frequency, Mode, and other parameters. Includes stations like CLRN, Upernavik, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PRP Porcupine Dome, D22K Ayikyak River, E22K Anaktuvuk Pass, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Oym, VNA2 Neumayer-Watz, etc.

TDK	149nm,0.5s	eLg	Lg	03 43 40.3
MAKZ	Makanchi 2.48 4	∩Pn	Pn	03 43 04.4 +2.2
MAKZ	2.0nm,0.2s	∩Lg	Lg	03 43 45.0
MK31	Makanchi Array 2.2nm,0.3s,baz=194,slow=13,SNR=128	∩Pn	Pn	03 43 04.2 +1.9
MK31	36nm,0.6s,baz=184,slow=25,SNR=9.7	∩Lg	Lg	03 43 44.3
ZHN	Zhishiske 2.66 245	∩Pg	Pg	03 43 11.8 +2.1
ZHN	9.9nm,0.1s	Lg	Lg	03 43 46.0
ZHN	53nm,0.2s	ePg	Pb	03 43 11.8 +2.1
ZHN	9.9nm,0.1s	Lg	Lg	03 43 46.0
ZHN	53nm,0.2s	eLg	Lg	03 43 46.0
KURS	Kuram 2.71 253	∩Pg	Pb	03 43 11.8 +1.2
KURS	3.3nm,0.4s	Lg	Lg	03 43 46.1
KURS	13nm,0.6s	ePg	Pb	03 43 11.8 +1.2
KURS	3.3nm,0.4s	Lg	Lg	03 43 46.1
KURS	13nm,0.6s	eLg	Lg	03 43 46.1
SATY	Saty 2.73 243	∩Pg	Pb	03 43 11.7 +0.8
SATY	5.1nm,0.2s	Lg	Lg	03 43 45.9
SATY	28nm,0.2s	ePg	Pb	03 43 11.7 +0.8
SATY	5.1nm,0.2s	Lg	Lg	03 43 45.9
SATY	28nm,0.2s	eLg	Lg	03 43 45.9
ARXS	Arharly 2.80 269	∩Pg	Pb	03 43 13.9 +1.7
ARXS	5.9nm,0.2s	Lg	Lg	03 43 50.0
ARXS	38nm,0.4s	ePg	Pb	03 43 13.9 +1.7
ARXS	5.9nm,0.2s	Lg	Lg	03 43 50.0
ARXS	38nm,0.4s	eLg	Lg	03 43 50.0
CHKK	Chushkaly 3.45 264	∩Pg	Pg	03 43 26.7 -2.0
CHKK	5.2nm,0.5s	Lg	Lg	03 44 12.3
CHKK	40nm,0.3s	ePg	Pg	03 43 26.7 -2.0
CHKK	5.2nm,0.5s	Lg	Lg	03 44 12.3
CHKK	40nm,0.3s	eLg	Lg	03 44 12.3
KOTS	Kotrybulak 3.52 253	∩Pg	Pb	03 43 27.1 +2.6
KOTS	12nm,0.8s	Lg	Lg	03 44 11.8
KOTS	56nm,0.7s	ePg	Pb	03 43 27.1 +2.6
KOTS	12nm,0.8s	Lg	Lg	03 44 11.8
KOTS	56nm,0.7s	eLg	Lg	03 44 11.8
MDOK	Mledeo 3.59 253	∩Pg	Pb	03 43 28.3 +2.6
MDOK	5.3nm,0.4s	Lg	Lg	03 44 14.1
MDOK	14nm,0.7s	ePg	Pb	03 43 28.3 +2.6
MDOK	5.3nm,0.4s	Lg	Lg	03 44 14.1
MDOK	14nm,0.7s	eLg	Lg	03 44 14.1
TNSS	Tian-Shan 3.70 251	∩Pg	Pb	03 43 30.8 +3.0
TNSS	2.0nm,0.4s	Lg	Lg	03 44 18.5
TNSS	3.2nm,0.4s	ePg	Pb	03 43 30.8 +3.0
TNSS	2.0nm,0.4s	Lg	Lg	03 44 18.5
TNSS	3.2nm,0.4s	eLg	Lg	03 44 18.5
ZSN	Zaisan 3.81 34	∩Pg	Pb	03 43 29.2 -0.1
ZSN	2.4nm,0.2s	Lg	Lg	03 44 16.2
ZSN	7.9nm,0.4s	ePg	Pb	03 43 34.2 +3.2
ZSN	2.4nm,0.2s	Lg	Lg	03 44 16.2
ZSN	7.9nm,0.4s	eLg	Lg	03 44 16.2
KUU	Kurty 3.91 265	∩Pg	Pb	03 43 34.2 +3.2
KUU	1.7nm,0.3s	Lg	Lg	03 44 24.4
KUU	17nm,0.5s	ePg	Pb	03 43 34.2 +3.2
KUU	1.7nm,0.3s	Lg	Lg	03 44 24.4
KUU	17nm,0.5s	eLg	Lg	03 44 24.4
MTBS	Maitube 4.03 254	∩Pg	Pb	03 43 36.2 +3.1
MTBS	3.0nm,0.3s	Lg	Lg	03 44 28.6
MTBS	15nm,0.4s	ePg	Pb	03 43 36.2 +3.1
MTBS	3.0nm,0.3s	Lg	Lg	03 44 28.6
MTBS	15nm,0.4s	eLg	Lg	03 44 28.6
MTBS	Maitube 4.03 254	eS	Sg	03 44 28.6 -3.3
KST	KasteK 4.38 255	∩Pg	Pg	03 43 44.1 -2.3
KST	1.4nm,0.3s	Lg	Lg	03 44 41.4
KST	10.0nm,0.5s	ePg	Pg	03 43 44.1 -2.3
KST	1.4nm,0.3s	Lg	Lg	03 44 41.4
KST	10.0nm,0.5s	eLg	Lg	03 44 41.4
KRBBS	Karabastau 4.41 264	∩Pg	Pb	03 43 43.3 +3.6
KRBBS	1.4nm,0.6s	Lg	Lg	03 44 40.1
KRBBS	4.3nm,0.2s	ePg	Pb	03 43 43.3 +3.6
KRBBS	1.4nm,0.6s	Lg	Lg	03 44 40.1
KRBBS	4.3nm,0.2s	eLg	Lg	03 44 40.1
DGS	Degeres 4.45 258	∩Pg	Pg	03 43 45.0 -2.8
DGS	1.8nm,0.4s	Lg	Lg	03 44 43.2
DGS	16nm,0.6s	ePg	Pg	03 43 45.0 -2.8
DGS	1.8nm,0.4s	Lg	Lg	03 44 43.2
DGS	16nm,0.6s	eLg	Lg	03 44 43.2
TKM2	Tokmak 2 4.67 254	∩Pg	Pg	03 43 52.3 +0.3
TKM2	0.8nm,0.3s	Lg	Lg	03 44 50.5
TKM2	3.4nm,0.5s	∩Lg	Lg	03 44 50.5
KURBB	Kurchatov Arra 6.65 342	∩Pn	Pn	03 43 59.9 +0.5
KURBB	0.3nm,0.5s	∩Sn	Sn	03 45 13.8 -1.0
KURBB	1.2nm,0.6s	∩Lg	Lg	03 45 50.0
KURBB	0.3nm,0.5s	∩Sn	Sn	03 45 13.8 -1.0
KURBB	1.2nm,0.6s	∩Lg	Lg	03 45 50.0
KURK	Kurchatov 6.72 343	∩Pn	Pn	03 44 00.6 +0.2
KURK	0.2nm,0.4s	∩Sn	Sn	03 45 15.0 -1.4
KURK	0.5nm,0.5s	∩Lg	Lg	03 45 53.1
KURK	0.2nm,0.4s	∩Sn	Sn	03 45 15.0 -1.4
KURK	0.5nm,0.5s	∩Lg	Lg	03 45 53.1
KK31	Karatay Array 8.22 265	∩Lg	Lg	03 46 44.2
KK31	0.7nm,0.5s,baz=74,slow=30,SNR=3.8	∩Lg	Lg	03 46 44.2

FTIG	Fresnillo de T	1.60 32	eP	Pn	04 09 45.6 -2.9
FTIG	Huajuapán de L	1.73 42	iP	Sn	04 09 47.2 -5.3
HLIG	Puerto Escondi	1.88 106	eS	Sn	04 09 44.3 -3.1
HLIG	Platanillo	1.90 346	eP	Sn	04 09 08.8 -4.0
PEIG	Puerto Sto Nin	2.15 324	eP	Sn	04 09 49.0 -3.3
PLIG	Vista Hermosa	2.25 76	eP	Sn	04 09 10.6 -5.4
PLIG	Yateupce	2.31 359	eP	Sn	04 09 50.4 -2.2
ARIG	Tehuacfan	2.45 40	eP	Sn	04 10 16.8 0.0
ARIG	Zihuatanejo	2.57 295	eS	Sn	04 09 54.0 -2.0
VHO					04 10 23.1 +0.4
VHO					04 09 55.2 -2.4
VHO					04 11 01.5 -0.2
YAI					04 09 56.8 -1.5
YAI					04 10 26.7 -0.3
YAI					04 09 57.2 -3.1
YAI					04 10 30.8 +0.4
YAI					04 10 01.5 -0.2
YAI					04 10 31.4 -1.7

MEX 05 04:09:47.9:0.7,16:00N:95:20W,h44km,17km,MD4.0, Oaxaca

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
NILT	Santiago Nilte	0.79	45	Op	ISC	h m s	ISC
NILT	Huatiulco	0.91	255	eP	Sn	04 10 09.2 -4.1	
HUIG	Huatiulco	0.91	255	eP	Pn	04 10 02.0 -2.2	
HUIG	Matias Romero	1.12	15	eP	Sn	04 10 14.5 -1.7	
CMIG	Arriaga	1.26	79	iP	Pn	04 10 14.8 -1.7	
CARR	UXUV	1.65	37	iP	Sn	04 10 05.6 -3.4	
CARR	UXUV	1.65	37	iP	Sn	04 10 20.9 -3.9	
UXUV	Arroyo Zacate	1.80	341	eP	Sn	04 10 13.7 -0.8	
UXUV					Sn	04 10 35.3 +0.8	
NEUV					Pn	04 10 14.8 -1.7	
NEUV					Sn	04 10 36.5 +1.6	
PCIG		1.93	99	eS	Sn	04 10 39.2 -2.0	
TGIG		2.14	68	eP	Sn	04 10 20.3 -0.8	
TGIG					Sn	04 10 45.4 -1.1	
TUIG	Tuzandepetl	2.15	20	eP	Sn	04 10 20.3 -1.0	
TUIG					Sn	04 10 41.3 -5.6	
CCIG	Comitan	2.95	84	eP	Sn	04 10 31.5 -1.0	
CCIG	El Naranjo	2.99	107	eP	Sn	04 11 09.5 +2.7	
PATR	Patru	3.02	105	eP	Sn	04 10 31.9 -1.1	
PATR	Patru	3.02	105	eP	Sn	04 11 05.7 -2.0	
PAVE	Patru	3.02	105	eP	Sn	04 10 32.9 -0.6	
PAVE	Patru	3.02	105	eP	Sn	04 11 06.8 -1.9	
CHUJ	Union Juarez	3.11	106	eP	Sn	04 10 33.5 -1.2	
CHUJ	Union Juarez	3.11	106	eP	Sn	04 11 08.5 -2.3	

TAP 05 04:10:20.7:24:75N:122:49E,h16km,ML3.3,D JMA 05 04:10:21.1:0.1,24:7N:0.7:122:5E:0.3,h4km,2km, MV2:6/12,NW OFF ISHIGAKI/JIMA IS

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
EOS2	EOS2	0.39	216	iP	ISC	h m s	ISC
EOS2	baz=217			S	Sb	04 10 29.3 -0.2	
EOS3	EOS3	0.47	199	iP	Pb	04 10 35.6 +0.3	
EOS3	baz=207			S	Sb	04 10 30.6 -0.3	
EOS3	baz=207			S	Sb	04 10 38.5 +0.9	
JYNG	Yonagunijimaku	0.51	124	P	Pg	04 10 30.9 +0.1	
JYNG	Yonagunijimaku	0.51	124	P	Pg	04 10 37.7 +0.1	
EGS	baz=281	0.52	282	P	Sg	04 10 31.4 -0.2	
TWB1	Santiao Chiao	0.53	301	iP	Pb	04 10 31.6 -0.2	
TWB1	baz=300			iS	Sb	04 10 38.8 -0.5	
YOJ	Yonaguni jima	0.55	120	P	Pg	04 10 31.8 +0.2	
YOJ	Yonaguni jima	0.55	120	P	Pg	04 10 31.7 0.0	
YOJ	Yonaguni jima	0.55	120	iP	Pg	04 10 38.9 -0.1	
YOJ	Yonaguni jima	0.55	120	iP	Pg	04 10 31.6 0.0	
YOJ	baz=119			S	Sg	04 10 38.9 -0.1	
TWC	Suao	0.59	258	P	Pg	04 10 32.1 -0.3	
TWC	baz=266			eS	Sb	04 10 40.8 -0.4	
EOSA	EOSA	0.63	194	iP	Pb	04 10 40.8 -0.4	
EOSA	baz=187			eS	Sb	04 10 33.3 -0.1	
TIPB	Shuangxi	0.64	291	P	Pb	04 10 43.1 +1.1	
TIPB	baz=290			eS	Sb	04 10 43.0 +0.1	
SX11	Grass Mountain	0.66	303	iP	Pb	04 10 43.2 +0.1	
SX11	baz=302			S	Sb	04 10 43.2 +0.1	
ILA	ilan	0.67	272	eP	Sn	04 10 34.8 +0.5	
ILA	baz=271			S	Pb	04 10 44.8 -1.4	
EWUT	Wuta	0.71	246	eP	Pg	04 10 34.4 -0.2	
EWUT	baz=245			eS	Sg	04 10 43.9 0.0	
NDS	Dongshan	0.71	262	P	Pb	04 10 34.8 -0.1	
NDS	baz=261			S	Sb	04 10 44.6 +0.1	
NWF	Wu-fen Shan	0.72	298	iP	Pb	04 10 35.5 +0.3	
NWF	baz=297			eS	Sb	04 10 45.4 +0.4	
WFSB	Wu-fen Shan	0.72	298	iP	Pb	04 10 35.4 +0.3	
WFSB	baz=297			S	Pb	04 10 45.1 +0.2	
ENA	Nanau	0.74	246	P	Pg	04 10 35.1 -0.2	
ENA	baz=245			eS	Sg	04 10 44.5 -0.7	
TWE	Neicheng	0.74	269	iP	Pg	04 10 35.2 -0.1	
TWE	baz=268			iS	Sb	04 10 45.9 +0.3	
TNOU	National Taiwa	0.77	303	iP	Pb	04 10 35.8 -0.1	
TNOU	baz=301			iS	Sb	04 10 46.4 +0.2	
FUSB	Fushanzhiwuyua	0.82	272	P	Pg	04 10 36.7 0.0	
FUSB	baz=271			eS	Sg	04 10 47.9 +0.5	
ENTT	Nioudou	0.84	264	eP	Pg	04 10 37.1 -0.1	
ENTT	baz=262			eS	Sg	04 10 48.5 +0.2	
TWA	Mucha	0.85	287	P	Pg	04 10 37.5 +0.1	
TWA	baz=286			eS	Sg	04 10 49.3 +0.7	
NWRT	Kuosheng	0.88	302	eP	Pb	04 10 37.4 -0.5	
NWRT	baz=301			eS	Sg	04 10 49.5 +0.1	
NWLT	Wulai	0.90	273	eP	Pn	04 10 38.5 -0.5	
NWLT	baz=272			eS	Sb	04 10 49.0 -1.0	
LATG	Datong	0.90	257	eP	Pg	04 10 38.2 0.0	
LATG	baz=256			S	Pg	04 10 50.4 +0.4	
NDT	Datong Township	0.90	262	P	Pg	04 10 38.3 +0.2	
NDT	baz=261			eS	Sg	04 10 50.0 +0.1	
NHHD	Xindian Distri	0.90	285	P	Pg	04 10 38.4 +0.1	
NHHD	baz=284			eS	Sg	04 10 50.4 +0.3	
YMO1	YMO1	0.93	296	P	Pg	04 10 38.5 -0.2	

YMO1	baz=295	eS	Sg	04 10 50.8 -0.1	
YMO8	YMO8	0.93 299	eP	Pb	04 10 38.2 -0.5
TATO	Taipei				

5d 5h

Table with columns: TWK, Hsinying, 2.34 232 eP, Pb, 04 11 02.7 -0.1, etc.

IDC 05 04:20:47 2.0,6,37:25N, 141:55E, h0km, mb4.1/20, mbtm4.1/24, ML3.0/4, MS3.0/7, Er, ellipse: s-maj=16.8km s-min=14.4km az=107.0

NIED 05 04:20:49.9,37:25N,141:54E,h34km,MW4.0,Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mn=0.90; Mw=0.45; Ms=0.44; Mz=0.23; Mxx=0.07; Mxy=0.19; Fault plane solution: Mo:1.01000x10^15 NP2:phi:63.00000, delta:0.00000, lambda:-65.00000. NP2:theta:207.00000, delta:0.00000, lambda:-116.00000

JMA 05 04:20:49.9,0.2,37:3N,0:3,141:5E,0:9,h34km,1km, Md4.3/40,MV4.3/40,E OFF FUKUSHIMA PREF JMA Felt II J1 at E OFF FUKUSHIMA PREF

MOS 05 04:20:50.6,1.1,37:24N,141:63E,h39km,mb4.6/20,Error ellipse: s-maj=19.4km s-min=6.9km az=119.8 NEIC 05 04:20:54.0,1.2,37:37N,0:05,141:42E,0:0,9,h38km,8km, mb4.4/18,Error ellipse: s-maj=10.8km s-min=6.3km az=61.0

ISC 05 04:20:49.0,1.3,37:26N,0:04,141:61E,0:05,h13km,7km,n142,0:18/14/24,mb4.3/41,MS3.4/3,8C-3D,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

2017 NOV

Table with columns: XLT, YAK, ULN, SONM, H11N2, H11N1, H11N3, H11S1, H11S2, TIXI, DGZ, CMAR, ZAAO, ZALV, MK31, MKAR, MKAR, MAKZ, MAKZ, KURK, KURK, KURB, KURB, KDKA, KDKA, RND, RND, RND, RND, KNK, ILAR, ILAR, ILAR, AAK, AAK, BVAR, BVAR, BRVK, BRVK, KK31, KK31, KK31, KKAR, KKAR, KKAR, L29M, L29M, I30M, ARU, ARU, ARU, WRAB, WRAB, WRA, WRA, WRA, ABKAR, ABKAR, KIRV, ASAR, ARCES, ARCES, ARCES, GEYT, GEYT, GEYT, GEYT, OBN, OBN, OBN, OBN, OBN, FINES, FINES, STKA, KBZ, etc.

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Table with columns: KIV, HFS, NB2, NOA, NOA, AKASG, AKASG, AKKB, AKKB, NVAR, PDAR, PDAR, BUR08, BUR08, BURAR, BURAR, VYHS, VYHS, VYHS, CLC, CLC, GERES, GERES, TXAR, LPAZ, LPAZ, H03N2, H03N3, H03N1, etc.

IDC 05 04:31:12 6.1, 17:13N, 147:42E, h0km, mb4.0/12, mbtm4.0/13, ML4.0/1, Error ellipse: s-maj=30.2km s-min=17.4km az=92.0

ISC 05 04:31:18.7,0.9,17:11N,0:14,147:3E,0:2,h41km,n13,0:57/15,mb4.0/12,Mariana Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 05 05:19:50.7,1.2,19:15N,145:57E, h0km, mb3.6/6, mbtm3.6/6, Error ellipse: s-maj=38.2km s-min=30.6km az=97.0

ISC 05 05:20:14.7,1.1,19:00N,0:2,145:4E,0:3,h214km,n7,0:59/97,mb3.47,Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

5d 7h

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

2017 NOV

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PV LZ, PALE, CHEFC, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like EGOR, SIERRA GORDA, ESPERA, etc.

2017 NOV

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like BNK, CTA, GULI, TYV, KNRA, HNS, KLR, LYN, SBUM, WR0, WRAB, WRA, TWSI, HEH, PETK, XLT, XAN, GYA, HHC, BTO, AS31, DZM, CD2, PZH, LZH, MA2, CRAI, MBWA, PSA00, CHTO, CM31, CMAR, CMAR.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CMAR, ULN, SONM, STKA, GTA, SEY, YAK, GOMU, SHL, MORV, JIRN, WMQ, GUN, PKI, PKIN, DMN, GKN, DGZ, DAN, PYUN, URZ, ZAAO, ZALV, MK31, MKAR, MAKZ, J20K, H20K, RAST, IMAR, H20K, KTH, I21K, TRF, TRF, PWL, KURK, KNK, KURBB, H22K, SML, SMT, RND, RND, F22K, NEA2.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like WAT6, I23K, I23K, HYB, D22K, E22K, G23K, WRH, COLD, MDM, CCB, KSH, M24K, BOOM, POKR, D23K, HDA, E23K, IL31, ILAR, C23K, K24K, G24K, G24K, E24K, F24K, D24K, AAK, AAK, AAK, C24K, H25L, G25K, SCRK, SCRK, F25K, J26L, E25K, D25K, G26K, F26K, L27K, EGAK, EGAK, H27K, I28M, DAWY, DAWY, YUK4, M29M, D27M, F28M, L29M, HYT, HYT, BVAR, BVAR, KK31, KK31, KK31, KKAR, KKAR, KKAR, I29M, BRVK, BRVK, P30M, H29M, N30M, K29M, M30M, J30M, PPT, EPYK, I30M, F30M, H31M, G31M, INK, INK, R33M.

Table with columns: DLBC, Dease Lake, 73.45, 33, P, P, 07 40 50.2+2.8, etc. Includes various station codes and coordinates.

IDC 05:07:30:07.8:1.5, 36:09N, 139:82E, h50km, 14km, mb3.8/14, mblp4.0/17, ML3.5/3, MS3.3/5, Error ellipse: s-maj=16.2km s-min=6.0km az=61.0

Fault plane solution: M1: 5.500x10^15 NP1: phi: 62.00000, delta: 0.00000, lambda: 101.00000. NP2: phi: 215.00000, delta: 26.00000, lambda: 165.00000.

Main table with columns: Code, Station Name, Delta, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations and their associated data.

Table with columns: ZALV, Zalesovo Beam, 41.62, 313, P, P, 07 37 50.7 -0.8, etc. Includes station codes and coordinates.

NEIC 05:07:31:03.7:1.4, 36:76N, 103:71E, h215km, 7km, mb4.4/8, Error ellipse: s-maj=19.3km s-min=1.8km az=100.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KK31, KKAR, BOOM, CHMS, BHK, TKM2, SMLA, KHET, KUDL, MAKZ, MK31, MKAR, AB31, AB31, ABKAR, BVAR, BRVK, AKTO, ZAAO, ZALV, FINES, ARCES, HFS, NB2, NOA, CTI, TEOL, TIXI, TIXI, TIXI, TIXI, ZCCA, FUORN.

IDC 05 07:30:33.03.8:5.2, 15:23N:147.37E, h0km, mb4.3/5, mbmp4.2/6, ML3.7/1, Error ellipse: s-maj=132.8km s-min=42.8km az=126.0

ISC 05 07:33:07.1:4.2, 15:33N:05:147.0E:0.6, h10km, n6, n1529/7, mb4.4/5, Mariana Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GUMO, MKAR, KURBB, BVAR, ARCES, FINES, WARRAMUNGA ARR, WRA.

IDC 05 07:34:51.3:1.1, 15:41N:146:01E, h0km, mb4.0/11, mbmp4.0/12, ML3.7/1, Error ellipse: s-maj=32.8km s-min=18.7km az=97.0

ISC 05 07:34:56.4:1.0, 15:41N:0:146:9E:0.2, h33km, n15, n093/14, mb4.2/11, Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GUMO, MKAR, H11S3, H11S1, H11S2, KRSR, WRA, ASAR, CMAR, SONMI, MKAR, KURBB, BVAR, NVAR, ARCES, FINES.

JMA 05 07:40:37.4:0.1, 39:2N:0:2:141:8E:0:3, h63km, MV3.3/40, SOUTHERN IWATE PREF, JMA Fell II J1 at SOUTHERN IWATE PREF.

IDC 05 07:40:42.2:3.7, 38:92N:141:77E, h116km, 35km, mb3.1/5, mbmp3.4/7, Error ellipse: s-maj=33.1km s-min=25.4km az=80.0

ISC 05 07:40:37.1:0.9, 39:13N:0:04:11:81E:0:07, h62km, 6km, n28, n091/32, mb3.5/5, 4d, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OFUJ, OKUNO, JKMJ, KENUNUMOTOTY, MIYAKONAGASAWA, ICHINOSEKI, OHASAWA, OURI, TANOHATA, ROKUGO, KANEYAMA, OKURA, NANGO, HINAI, MARUMORI, SADO, MATSUHISHIRO ARR, WAKE ISLAND HY, WAKE ISLAND HY, WAKE ISLAND HY, WAKE ISLAND HY, ZALESOVO BEAM, MATSUHISHIRO ARR, EISELSON ARR, WARRAMUNGA ARR.

JMA 05 07:43:46.1:0.1, 23:9N:0:5:121:9E:0:7, h31km, 2km, MV2.9/14, TAIWAN REGION, TAP 05 07:43:46.7:23:86N:121:89E, h38km, ML3.1, C, ISC 05 07:43:46.4:0.9, 23:85N:0:02:121:91E:0:02, h33km, 6km, n91, n058/133, 3d, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HWA, TWD, TEGC, ETM, ETM, ETL, ETL, NACB, NACB, ESL, EOS4, EOS4, EGFH, LXBIB, LXBIB, WARBET, WARBET, ETLH, ETLH, ETLH, EOS3, EOS3, HGSO, ENUT, ENUT, EWUT, EWUT, EOS2, EOS2, EHY, EHY, WHF, WHF, OWD, OWD, CHGB, CHGB, VVDT, VVDT, YULB, YULB, WUSB, WUSB, EYUL, EYUL, NNSB, NNSB.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWF1, TWC, TWC, TWT, TDCB, NDS, NDS, ENTT, ENTT, FULLB, FULLB, SSLB, TWE, CHKT, SMLT, SMLT, WCS, YHNB, YHNB, FUSB, FUSB, NSK, NSK, TYC, WHP, WHP, WHYT, NWLT, EDH, EDH, ELDTW, NFF, NFF, WJS, WJS, WJNS, TWPB, TWPB, WNT, LIOB, NSTT, NSTT, TWQ1, CHN5, NHHD, TCHU, YOJ, YOJ, LONT, NSY, NWF, WFSB, NMLH, SX11, SX11, STYH, STYH, WDLH, HSN, TWGBT, TWG, TPUB, CHN4, WTP, WRL, TWK, CHN1, SLGT, ICHU, SCST, MASBT, IRIF, HATJ, EAST, TSCK, TSCK, SCZT, JIJ, JIJ, JISG, JISG, JTJ.

IPEC 05 07:54:01.7:0.2, 51:59N:16:26E, h0km, ML2.6/4, Error ellipse: s-maj=2.7km s-min=1.4km az=60.0

5d 9h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Jimena Fronter, Malaga-Limoner, TAF, etc.

IDC 05 09:20:58.6.1.1, 21.52S:68.25W, h107km, 10km, mb3.7/11, mbmp4.0/14, MS3.1/1, Error ellipse: s-maj=18.2km s-min=15.1km az=105.0

VAO 05 09:20:58.6.0.3, 21.35S:68.31W, h86km, mb4.3 NEIC 05 09:20:59.9.1.2, 21.59S:0.05:68.50W, 0.06, h122km, 8km, mb4.2/8, ML3.5(GUC), Error ellipse: s-maj=9.1km s-min=5.6km az=46.0

SJA 05 09:20:59.1.1.8, 21.63S:68.37W, h100km, ML3.7, MWV4.0 GUC 05 09:21:00.7.0.7, 21.62S:68.48W, h18km, 5km, ML3.5 ISC 05 09:20:59.2.0.6, 21.64S:0.03:68.40W, 0.04, h118km, 6km, n125, r168/161, mb4.2/14, 9C-1D, Chile-Bolivia border

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

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IPOC Station P, Humberstone, Diego Aracena, etc.

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

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

NOU 05 09:24:32.6, 21.85S:169.47E, h0km, MLV4.1/10, Southeast of Loyalty Islands, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MARE, Loyalty, Pinnac Pines Island, etc.

SDD 05 09:28:18.6.2.5, 19.81N:70.98W, h20km, 11km, MD3.4, ML2.9, MWV3.5

OSPL 05 09:28:19.2.2.2, 19.77N:70.99W, h0km, 17km, ML2.6

ISC 05 09:28:18.9.0.9, 19.74N:0.03:70.98W, 0.02, h11km, 7km, n19, r157/35, 18C-6D, Dominican Republic region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Luperon, Mao, Punta Rusia, etc.

Table with columns: UGM, WRA, ASAR, MKAR, Station Name, Time, Res, and other identifiers.

NOU 05 09:50:02.3, 21.52S; 169.07E, h0km, MLV4.6/10, Southeast of Loyalty Islands

ICC 05 09:50:05.1, 0.6, 21.44S; 168.72E, h0km, mb4.2/11, mbmp4.1/14, ML4.2/3, MS3.5/13, Error ellipse: s-maj=20.4km s-min=17.3km az=161.0

NEIC 05 09:50:10.9, 1.8, 21.48S; 0.05; 168.51E; 0.04, h26km, 9km, mb4.5/11, Error ellipse: s-maj=7.2km s-min=5.0km az=156.0

ISC 05 09:50:07.0, 0.5, 21.46S; 0.06; 168.69E; 0.05, h20km, n79, c095777, mb4.4/17, MS3.5/10, 3C, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: NKCC, CONA, CKRC, KHC, GERES, SOKA, BIOA, KBA, LESA, ABTA, WATA, WTTA, MOTA, SQT, FETA, DAVA, DAVOX, TORD, Station Name, Time, Res, and other identifiers.

JMA 05 09:56:06.3, 0.1, 34.1N; 2.13E, h257km, MV2.8/17, S OF SURUGA BA

ICC 05 09:56:07.7, 1.2, 34.17N; 138.36E, h265km, 15km, mb2.6/1, mbmp3.6/3, Error ellipse: s-maj=51.2km s-min=10.4km az=66.0

ISC 05 09:56:07.8, 1.1, 34.64N; 0.07; 138.20E; 0.08, h250km, n12, c1534/16, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

ICC 05 10:01:50.6, 2.0, 0.09N; 132.54E, h0km, mb4.0/3, mbmp3.9/4, ML3.9/1, Error ellipse: s-maj=126.8km s-min=24.4km az=95.0, Irian Jaya region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

NEIC 05 10:05:10.8, 1.1, 5.67S; 0.08; 152.49E; 0.09, h10km, 1km, mb4.6/27, Error ellipse: s-maj=15.8km s-min=1.1km az=123.0

ICC 05 10:05:11.5, 0.8, 4.62S; 150.82E, h0km, mb3.9/7, mbmp4.0/7, MS3.5/12, Error ellipse: s-maj=27.4km s-min=11.9km az=162.0

ISC 05 10:05:11.0, 0.7, 5.61S; 0.08; 152.33E; 0.1, h10km, n56, c1544/46, mb4.4/22, MS3.5/12, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: SONM, Vnda, R17K, M16K, Q19K, SVW2, P19K, CNPM, L19K, J20K, MKAR, PWL, E19K, IMAR, ZALV, RND, H23K, G23K, ILAR, D22K, KURBB, TOLK, BCAR, QSPA, NVAR, ELK, TORD, Station Name, Time, Res, and other identifiers.

NOU 05 10:24:04.5, 21.74S; 169.55E, h0km, MLV4.3/9, Southeast of Loyalty Islands

ICC 05 10:24:11.7, 0.8, 21.86S; 168.97E, h0km, mb4.0/13, mbmp4.0/14, ML3.3/1, MS3.2/4, Error ellipse: s-maj=21.6km s-min=19.6km az=156.0

NEIC 05 10:24:11.3, 3.2, 21.64S; 0.06; 169.03E; 0.05, h10km, 1km, mb4.3/10, Error ellipse: s-maj=10.1km s-min=7.4km az=81.0

ISC 05 10:24:12.3, 3.7, 21.72S; 0.07; 168.96E; 0.07, h6km, 21km, n77, c1317/4, mb4.1/18, MS3.1/3, 3C, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, and other identifiers.

Table with columns: ICAO, Station Name, Frequency, Power, Mode, and other technical details for stations 371-450.

NEIC 05 10:58:42.5i.1.8.25i.18S.0i.09i.177i.2W.0i.2. h127km,9km, mb4.4/22. Error ellipse: s-maj=21.6km s-min=10.5km az=112.0

IDC 05 10:58:44.9i.2.7.25i.33S.1i.77i.40W, h136km,21km, mb3.8/16. mbtmp4.3/18, MS2.9/2. Error ellipse: s-maj=20.7km s-min=14.6km az=46.0

ISC 05 10:58:45.9i.0.5.25i.39S.0i.06i.177i.24W.0i.09i. h150km, n65, r1926/60, mb4.3/26, 4C, South of Fiji Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations 450-975.

Table with columns: ICAO, Station Name, Frequency, Power, Mode, and other technical details for stations 371-450.

IDC 05 10:59:29.4i.2.5.479S.128i.98E, h0km, mb3.4/1, mbtmp3.0/3, ML2.8/2, Error ellipse: s-maj=167.0km s-min=32.8km az=68.0, Banda Sea

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations 450-500.

AFAD 05 11:06:16.1i.0.0.37i.15N.26i.83E, h13km,2km, ML3.0

ISK 05 11:06:17.37i.27N.26i.85E, h14km, ML3.1/20

THE 05 11:06:18.8i.37i.27N.26i.90E, h8km,2km, ML3.0/6, Error ellipse: s-maj=2.0km s-min=0.8km az=102.0

ATH 05 11:06:18.8i.37i.27N.26i.93E, h15km,1km, ML3.9/9, Error ellipse: s-maj=1.8km s-min=0.7km az=78.0

ISC 05 11:06:18.7i.0.9.37i.27N.0i.02i.26i.88E.0i.02i. h13km,8km, n64, c057/90, Dodecanese Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations 500-975.

Table with columns: ICAO, Station Name, Frequency, Power, Mode, and other technical details for stations 371-450.

NOU 05 11:15:42.2i.20i.37S.169i.38E, h0km, MLv4.1/14, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations 450-500.

IDC 05 11:19:05.8i.0.7.21i.86S.168i.91E, h0km, mb4.0/13, mbtmp4.0/15, ML4.1/2, MS3.6/19, Error ellipse: s-maj=21.3km s-min=18.0km az=157.0

NEIC 05 11:19:08.7i.1.4.21i.78S.0i.08i.168i.85E.0i.09i. h16km,4km, mb4.5/13, Error ellipse: s-maj=14.8km s-min=8.8km az=50.0

ISC 05 11:19:10.5i.0.5.21i.79S.0i.08i.168i.79E.0i.06i. h31km, n74, c087/61, mb4.3/20, MS3.6/18, 3C, Loyalty Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations 500-975.

5d 13h

Table with columns: Station, Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like SS, LYUB, TWM1, etc.

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Table with columns: Station, Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like LIOB, NFF, LATG, etc.

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Table with columns: Station, Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like CMAR, DAV, SMAI, etc.

JMA 05 13:36:37.9, 0.4, 45°N, 2°14'6"E, h195km, 3km, MV3.3/31, NEAR ETOPOFU ISLAND

SKHL 05 13:36:40.0, 0.1, 44°30'N, 146°50'E, h170km, 3km, mb4.2/3, msh4.8/3

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

NOU 05 13:48:24.5, 21.72S, 168.66E, h0km, MLV3.1/9, Loyalty Islands, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like MARC, PINNC, etc.

IDC 05 13:49:00.6, 1.4, 38°10'S, 177°62'E, h0km, mb4.0/3, mbmp4.0/3, MS2.9/2, Error ellipse: s-maj=50.6km

NOU 05 13:49:00.2, 39°42'S, 177°78'E, h9km, MLV4.1/9, Off E, Coast of N. Island, NZ

NEIC 05 13:49:01.8, 1.4, 39°35'S, 177°63'E, h17km, 3km, mb4.2/8, Error ellipse: s-maj=9.7km s-min=6.5km

WEL 05 13:49:03.8, 0.5, 39°53'S, 17°8'E, h23km, 4km, M4.0/94, ML4.7/19, MLV4.0/94, Error ellipse: s-maj=0.0km

ISC 05 13:49:01.7, 1.5, 39°38'S, 177°64'E, 0.03, h19km, 5km, n178, 0.09N/189, mb4.0/6, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like MHGZ, KNZ, WHHZ, etc.

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like URJZ Urewera, BHHZ Black Hill Sta, and many others.

Table with columns: Code, Station Name, Time, Res, ISC, and various codes. Includes stations like KURBB Kurchatov Arr, ARCES ARCESS Array B, and many others.

Table with columns: Code, Station Name, Time, Res, ISC, and various codes. Includes stations like COVE Coope Vega, Sa, POTG Potrero Grande, and many others.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like FRU1, ULHL, BOOM, KK31, KK31, KKAR, CHMS, CHMS, CHMS, THN, THN, THN, TKM2, TKM2, TKM2, TARG, USP, DHRM, DHRM, DHRM, BHK, SMLA, SMLA, SMLA, KHET, KUDL, LGTI, GEYT, GEYT, MAK2, MKAR, MKAR, PCY1, PCY1, WMQ, DANN, DANN, KURBB, GKN, DMN, AB31, AB31, AB31, ABKAR, PKIN, PKIN, GUN, JIRN, BVAR, BVAR, BRVK, RAMN, TAPN, AKTO, AKTO, AKTO, ZALV, ARU, SONM, PZH, PZH, PZH, BRTR, HHC, HHC, HHC, AKASG, FINES, ARCES, HFS, NB2, NOA, EKA, ESDC, TORD, B21K, B21K, D19K, C23K, F17K, E19K, D24K, F20K, F20K, E22K, E22K, TOLK, TOLK, F21K, F21K, E24K, E24K, J16K, E28M, E27K, G24K.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like G24K, J19K, J19K, H24K, H24K, I23K, NEA2, NEA2, CAST, CAST, ILAR, F31M, F31M, KTH, KTH, G30M, G30M, H29M, J25K, J25K, RND, RND, I28M, J26L, SKT, SKT, SCRK, DHY, K27K, SUA, GHO, SML, GCM, GCM, M24K, L27K, K29M, K29M, M27K, M27K, WRA, ASAR, ASAR, IDC 05 14:30:34.0, 1.1, 41.92S:81.95E, h0km, mb3.8/7, mbmp3.7, MS3.6/9, Error ellipse: s-maj=37.3km, s-min=24.0km az=95.0, IDC 05 14:30:35.6, 1.0, 41.93S:-0.82E:0.3, h10km, n24, 0.6535N, mb3.97, MS3.6/9, Mid-Indian Ridge, Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like H04S1, H04S2, H04S3, H04N2, H04N3, H04N1, H01W2, H01W3, H01W1, NWA0, ASAR, ASAR, Vnda, Vnda, BOSA, STKA, QSPA, BATI, SUR, PALK, WRA, LSZ, CMAR, MKAR, BRTR, ILAR, IDC 05 14:31:54.5, 5.0, 8.4N:-17.43W, h0km, mb3.3/1, mbmp3.7/2, ML4.0/1, MS3.1/2, Error ellipse: s-maj=287.7km s-min=48.0km az=137.0, North of Ascension Island, Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like H10N2, H10N3, H10N1, DBIC, DBIC, DBIC, TORD, TORD, ASAR, WRA.

MOS 05 15:00:23.2, 1.0, 11.77N:-61.36W, h54km, mb5.5/45, MS4.7/7, Error ellipse: s-maj=7.6km s-min=5.2km az=61.4 FUNV 05 15:00:23.2, 1.1, 67N:-61.05W, h5km, MW4.9 NEIC 05 15:00:23.3, 1.1, 67N:-61.19W, h46km NEIC 05 15:00:23.4, 1.1, 67N:-61.09W, h46km, Moment Tensor Solution. Duration: 27 Moment tensor: Scale 1017Nm; Mr1:0.7, Mbr:1.4, Mbb:-0.50, Mss:-0.54, Msr:1.31; Fault plane solution: Ms1.890000x1017 NP1: 0.351, 0.6000, 0.871, 2.3000, 1.65, 7.0000. NP2: 0.225, 4.0000, 0.30, 2.9000, 1.140, 3.7000. Principal axes: T 1.9229, Plg27.0000, Azm22.0000; N 0.0762, Plg23.0000, Azm359.0000; P -1.8537, Plg23.0000, Azm99.0000; TRN 05 15:00:24.5, 1.1, 79N:-61.21W, h54km, MD5.8 TRN Felt in Grenada MMI IV, V; Trinidad and Tobago MMI III, IV; St. Vincent MMI III, IV; Saint Lucia MMI III. NEIC 05 15:00:24.3, 1.1, 70N:-61.20W, h45km NEIC 05 15:00:24.3, 1.1, 70N:-61.20W, h45km NEIC 05 15:00:24.4, 1.1, 1.67N:0.06:61.18W:0.06, h47km, 3km, mb5.3/623, Ms_20_4, 7184, Mwmb5.4/52, Mwrs4/22, Mwvs5/21, Error ellipse: s-maj=8.7km s-min=8.3km az=208.0, Moment Tensor Solution. Moment tensor: Scale 1017Nm; Mr1:0.53, Mbr:0.10, Mbb:0.43, Mss:0.12, Msr:0.24, Msr:1.52; Fault plane solution: Ms1.620000x1017 NP1:0.225, 0.6000, 0.871, 2.3000, 1.65, 7.0000. NP2: 0.358, 1.0000, 0.81, 3.6000, 1.80, 8.6000. Principal axes: T 1.6816, Plg53.0000, Azm257.0000; N -1.0244, Plg9.0000, Azm359.0000; P -1.5571, Plg36.0000, Azm96.0000; Moment Tensor Solution. Moment tensor: Scale 1017 Nm; Mr1:0.8, Mbr:0.15, Mbb:0.93, Mss:0.36, Msr:0.27, Msr:1.19; Fault plane solution: Ms1.630000x1017 NP1:0.342, 0.9100, 0.69, 9.3000, 1.90, 0.6000. Principal axes: T 1.6589, Plg65.0000, Azm253.0000; N -1.0705, Plg0.0000, Azm163.0000; P -1.5894, Plg25.0000, Azm73.0000; IDC 05 15:00:25.6, 1.2, 11.78N:-61.34W, h2km, mb4.7/26, mbmp5.1/30, MS4.3/64 Error ellipse: s-maj=11.1km s-min=10.3km az=120.0, BUJ 05 15:00:26.0, 0.0, 11.70N:-61.30W, h60km, mb5.3/3, MS5.3/8, Ms7.5/0/13, GCMT 05 15:00:28.4, 0.1, 11.64N:0.01:60.97W:0.01, h55km, MW5.5/130, Moment Tensor Solution. s130, c240, s125, c236; Duration: 1s3 Moment tensor: Scale 1017 Nm; Mr1:2.05, 0.03, Mbr:3.75, 0.02, Mbb:1.57, 0.02, Mss:0.47, 0.02, Msr:1.35, 0.02; Best double couple: Ms2.110000x1017 NP1:0.347, 0.0000, 0.870, 0.0000, 1.65, 0.0000. NP2:0.221, 0.0000, 0.31, 0.0000, 1.139, 0.0000. Principal axes: T 2.0680, Plg58.0000, Azm223.0000; N 0.0850, Plg23.0000, Azm356.0000; P -2.1530, Plg21.0000, Azm96.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function ISC 05 15:00:25.4, 0.3, 11.76N:0.03:61.25W:0.03, h64km, 2km, h64km; pp-P, n1634, r1913/1392, mb5.3/422, 48C-21D.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like GRGR, GRGR, GRW, GRHS, GRHS, GCMP, GCMP, TRN, TRN, TRN, SVV, SVV, SVV, MCLT, MCLT, SLDE, SLB, BCHC, BCHC, BBGH, BBGH, BBGH, CRUV, CRUV, CRUV, SLBI, SLBI, HOSB1, HOSB1, MPOM, MPOM, MPOM, BIM, BIM, BIM, TRMF, TRMF, MVM, MVM, LPMF, LPMF, FDF, FDF, PML, PML, ILLAM, ILLAM, GBMF, GBMF, CXM, CXM, PELEE, PELEE, BAMF, BAMF, CUMV, CUMV, PCRV, PCRV, PCRV, PCRV, PCRV, PCRV, TDBA, TDBA, MAGL, MAGL, CBE, CBE, CBE, PRGV, PRGV, HOSN1, HOSN1, ABD, ABD, ABD, MLYT, MLYT, MBFL, MBFL, ANBD, ANBD, ANBD, ANBD, ANBD, MERV, MERV, MERV, FUNV, FUNV, FUNV, CARV, CARV, TACV, TACV, TACV, SABA, SABA, BEAV, BEAV, ANDO, ANDO, TURV, TURV, TURV, CACV, CACV, BAUV, BAUV, BAUV, BAUV, JACV, JACV, HATO, HATO, SJG, SJG.

Table with columns: SJG, San Juan, 7.89 324 eP, Pn, 15 02 18.2 +0.7, etc. Lists various locations and their associated data points.

Table with columns: ACAL, Aguas Claras, 23.36 270 eP, P, 15 05 29.4 +0.8, etc. Lists various locations and their associated data points.

Table with columns: 152A, Waverly Hall, 29.95 318 Iamb, Iamb, 15 06 29.2, etc. Lists various locations and their associated data points.

5d 15h

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Table with columns: WES, Location, Time, Status, and other metrics. Includes entries like Weston, Loudon, V51A, etc.

Table with columns: ACCN, Location, Time, Status, and other metrics. Includes entries like Adirondack Com, TA01, M55A, etc.

Table with columns: WCI, Location, Time, Status, and other metrics. Includes entries like Wyandotte Cave, P49A, P49B, etc.

5d 15h

Table with columns: PDAR, ScP, ScP, 15 14 30.6 -1.0, comp=Z, 1.5nm, 0.8s, baz=116, slow=5.5, SNR=3.6, LR, 15 32 47.0, TMUT, Trail Mountain, 51.93 311 Iamb Iamb 15 09 50.31, BSUT, Blindstream Ca, 52.00 313 Iamb Iamb 15 10 14.6, FRB, Frobisher Bay, 52.17 356 LR LR 15 32 19.4, MVU, Marysvalle, 52.45 310 Iamb Iamb 15 10 43.4, RLMT, Red Lodge, 52.65 319 P P 15 09 32.3 -1.0, TCUT, Toone Canyon, 52.65 313 Iamb Iamb 15 09 57.1, CTU, Camp Tracy, 52.76 313 Iamb Iamb 15 10 01.8, OUK, Oukaimeden, 52.78 60 P P 15 09 36.0 +1.2, HWUT, Hardware Ranch, 52.92 314 Iamb Iamb 15 09 56.4, PLCA, Paso Flores, 52.93 189 P P 15 09 35.7 +0.5, PLCA, Paso Flores, 52.93 189 P P 15 33 05.2, PLCA, Paso Flores, 52.93 189 P P 15 09 35.7 +0.5, PLCA, Paso Flores, 52.93 189 P P 15 09 53.9 +2.2, PDMCI, Parker Dam, Lak, 52.94 304 P P 15 09 34.5 -1.0, LOHW, Long Hollow, 52.95 316 Iamb Iamb 15 10 00.5, AHID, Auburn Hatcher, 52.95 315 Iamb Iamb 15 09 55.9, SNOW, Snow King Mountain, 53.00 316 Iamb Iamb 15 09 58.8, YMP, Mirror Lake P, 53.08 318 Iamb Iamb 15 10 05.4, TPWY, Teton Pass, 53.14 316 Iamb Iamb 15 10 02.7, FLAY, Flagg Ranch, 53.19 317 Iamb Iamb 15 10 11.0, FXWY, Fox Creek, 53.25 316 Iamb Iamb 15 10 00.3, IMW, Indian Meadow, 53.28 317 Iamb Iamb 15 09 59.5, DUG, Dugway, Tooele, 53.38 312 IAMS_20 IAMS_20 15 33 15.0, DUG, Dugway, Tooele, 53.38 312 P P 15 09 37.6 -1.2, MORF, Marneleete, 53.38 52 eP P 15 09 40.1 +1.4, YNR, Norris Junctio, 53.41 318 Iamb Iamb 15 10 16.2, YFT, Old Faithful, 53.42 317 Iamb Iamb 15 10 01.5, FFC, Flin Flon, 53.46 332 P P 15 09 37.2 -1.7, FFC, Flin Flon, 53.46 332 P pmax 15 09 37.2 -1.7, FFC, Flin Flon, 53.46 332 P P 15 09 37.6 -1.3, FFC, Flin Flon, 53.46 332 P P 15 09 55.8 +0.7, YMR, Madison River, 53.58 317 Iamb Iamb 15 10 09.2, OUMZ, Ouz, 53.68 60 P P 15 09 40.3 +1.9, PNCL, Nicolau / Gran, 53.68 51 eP P 15 09 42.3 +1.5, PRUT, Pine Spring, 53.70 309 Iamb Iamb 15 10 24.4, ISM, Iron Mountain, 53.72 304 P P 15 09 40.2 -1.0, BGU, Big Grassy Mow, 53.76 312 Iamb Iamb 15 10 01.2, HJU, Hansel Valley, 53.84 314 Iamb Iamb 15 10 01.3, BC3, Big Chuckalak, 53.88 303 P P 15 09 41.3 -1.2, PBDV, Barranco-do-Ve, 53.93 52 eP P 15 09 46.2 +3.5, PCVE, Castro Verde, 53.94 52 eP P 15 09 44.3 +1.6, SWSC, Sam W. Stewart, 54.04 302 P P 15 09 42.5 -1.0, PVAO, Vaqueros, 54.13 52 eP P 15 09 46.0 +1.9, EGMT, Eagleton, 54.15 322 P P 15 09 43.6 -0.6, PMTG, Montargil, 54.16 50 eP P 15 09 45.4 +1.1, PBEJ, Beja, 54.16 51 eP P 15 09 45.6 +1.2, PCAS, Casmiolo, Conde, 54.22 49 eP P 15 09 45.9 +1.2, IKP, In-Ko-Pah, Jac, 54.25 302 P P 15 09 44.4 -0.8, GMRC, Granite Mounta, 54.26 304 P P 15 09 44.3 -0.9, COI, Colibra, 54.32 49 eP P 15 09 47.0 +1.5, BOZ, Bozeman (W), 54.36 318 Iamb Iamb 15 10 05.4, BOZ, Bozeman (W), 54.36 318 P P 15 09 44.8 -1.1, BELC, Belle Mtn. Jos, 54.39 303 P P 15 09 45.3 -1.0, MPTO, Porto, 54.45 48 eP P 15 09 47.6 +1.3, MONP2, Monument Peak, 54.55 302 P P 15 09 46.2 -1.3, PESTR, Estremoz, 54.58 50 eP P 15 09 48.9 +1.5, PESTR, Estremoz, 54.58 50 P P 15 09 48.3 +0.9, PESTR, Estremoz, 54.58 50 P P 15 09 49.2 +1.8, TUQU, Turquois Moun, 54.60 305 P P 15 09 46.4 -1.3, TPFO, Pinon Flats, 54.69 303 P P 15 09 47.4 -1.0, PFO, Pinyon Flats O, 54.70 303 P P 15 09 47.3 -1.1, PFO, Pinyon Flats O, 54.70 303 i P pmax 15 09 48.4 -0.1, PFO, Pinyon Flats O, 54.70 303 LR LR 15 35 16.0, HEC, Hector, Ludlow, 54.81 304 P P 15 09 47.9 -1.3, PBAR, Barrancos, 54.83 51 eP P 15 09 50.7 +1.5, PVIS, Viseu, 54.84 48 eP P 15 09 50.2 +0.9, PMRV, Marv???, 54.87 50 eP P 15 09 49.7 +0.2, PCBR, Castelo Branco, 54.92 49 eP P 15 09 50.8 +1.0, PGAV, Gaveira, Arco, 54.93 47 eP P 15 09 51.0 +1.0, R11B, Troy Canyon, C, 54.97 309 P P 15 09 49.5 -0.9, MTE, Manteigas, 55.02 49 eP P 15 09 51.7 +1.1, MTE, Manteigas, 55.02 49 Iamb Iamb 15 09 52.8, POLO, Lamas de Olo, 55.10 47 eP P 15 09 52.3 +1.1, 109C, Camp Elliot, M, 55.12 302 P P 15 09 51.0 -0.3, PVRL, Vila Real, 55.13 48 eP P 15 09 52.7 +1.4, TPNV, Topopah Spring, 55.17 307 IAMS_20 IAMS_20 15 34 43.4, TPNV, Topopah Spring, 55.17 307 P P 15 09 51.1 -0.7, GSC, Goldstone, Bar, 55.28 305 P P 15 09 51.9 -0.8, MURC, Murieta, 55.30 303 P P 15 09 51.9 +0.8, ELK, Elko, 55.31 312 LR LR 15 34 48.5, RRX, Edison Barstow, 55.36 304 P P 15 09 52.5 -0.6, CZD, Col de Zad, 55.48 58 P P 15 09 56.0 +2.0, LL02, Futaleufu, 55.53 189 Iamb Iamb 15 09 55.4, CHEFC, Chefchaouen, 55.53 55 P P 15 09 57.0 +2.5, HLID, Hailey, 55.54 315 Iamb Iamb 15 10 12.1, HLID, Hailey, 55.54 315 P P 15 09 53.4 -1.0, FURC, Furnace Creek, 55.55 306 P P 15 09 53.7 -0.7, DY2G, Dye2, 55.59 7 i P Iamb 15 09 55.3 +0.9, DY2G, Dye2, 55.59 7 Iamb Iamb 15 09 56.4

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Table with columns: MVO, Moncrovo, 55.60 48 eP P 15 09 56.6 +1.9, SMIR, Smir Dan, 55.61 55 P P 15 09 57.1 +2.3, SFJUD, Kangerlussuaq, 55.64 5 LR LR 15 33 25.3, TIC, Toumoudi, 55.67 90 i P P 15 09 54.9 -0.7, LCRM, LCR, 55.69 57 P P 15 09 58.0 +2.3, LCR, Lamto, 55.73 90 i P P 15 09 55.3 -0.7, MDT, Middelt, 55.76 58 P P 15 09 57.6 +1.5, MDT, Middelt, 55.76 58 LR LR 15 31 30.8, BFSC, Mount Baldy Ra, 55.79 303 P P 15 09 55.3 -1.0, DBIC, Dimbokro, 55.82 90 P P 15 09 56.1 -0.5, DBIC, Dimbokro, 55.82 90 LR LR 15 31 48.0, DBIC, Dimbokro, 55.82 90 P P 15 09 56.1 -0.5, ARF, Arif, 55.90 60 P P 15 09 59.0 +1.8, MPMC, Manual Prospec, 55.97 306 P P 15 09 56.7 -1.0, PBGR, Braganca, 55.98 47 eP P 15 09 58.9 +1.5, KIC, Kosan Boka, 55.99 90 i P P 15 09 57.3 -0.6, LRM, Laurel Mtn Rd, 56.02 305 P P 15 09 57.1 -0.8, GRAC, Grapevine Rang, 56.05 307 P P 15 09 57.0 -1.1, TPH, Tonopah, 56.16 308 Iamb Iamb 15 10 20.9, EDW2, Edwards Air Fo, 56.17 304 P P 15 09 57.7 -1.2, CCAC, Calif City Air, 56.23 304 Iamb Iamb 15 10 22.9, MSO, Missoula, 56.31 319 P P 15 09 58.8 -0.9, DECC, Green Verdugo, 56.34 303 P P 15 09 59.3 -0.9, CWC, Cottonwood Cre, 56.51 306 P P 15 10 00.8 -0.6, ISA, Isabella, Lake, 56.69 305 P P 15 10 02.0 -0.6, OSI, Osoito Audit: C, 56.72 304 P P 15 10 02.4 -0.5, TIN, Tinemaha, Big, 56.74 307 P P 15 10 02.7 -0.3, AY01, Puyutuapi, 56.86 190 Iamb Iamb 15 10 04.5, ARVC, Arvin, 56.88 304 P P 15 10 03.3 -0.6, NVAR, Mina Array Bea, 57.07 308 P P 15 10 04.8 -0.6, NVAR, comp=Z, 2.0nm, 0.6s, baz=101, slow=6.5, SNR=15, 57.07 308 ScP 15 14 53.7 -0.5, NVAR, comp=Z, 1.0nm, 0.7s, baz=146, slow=3.8, SNR=3.6, 57.07 308 LR LR 15 37 42.1, PLID, Pearl Lake, 57.09 316 Iamb Iamb 15 10 30.6, SNCC, San Nicolas Is, 57.18 302 P P 15 10 05.3 -0.8, PAB, San Pablo, 57.19 50 P P 15 10 06.8 +0.7, PAB, San Pablo, 57.19 50 Iamb Iamb 15 10 08.6, PAB, San Pablo, 57.19 50 P P 15 10 07.9 +1.7, PAB, San Pablo, 57.19 50 P P 15 10 06.8 +0.7, PAB, San Pablo, 57.19 50 P P 15 10 07.2 -1.0, PAB, San Pablo, 57.19 50 P P 15 10 24.8 +2.5, VES, Vestal, Richgr, 57.20 305 P P 15 10 05.4 -0.7, MLAC, Mammoth, Mammo, 57.33 307 P P 15 10 06.6 -0.8, SCZ2, Santa Cruz Isl, 57.37 303 P P 15 10 06.7 -0.7, ESCD, Sonseca Array, 57.51 50 P P 15 10 09.7 +1.3, MDPB, Devils Postpil, 57.52 307 Iamb Iamb 15 12 01.3, PKM, Mpherson Peak, 57.65 304 P P 15 10 11.7 -0.8, JBK, JBK, 57.67 57 P P 15 10 10.0 +1.1, SMCM, Simmler, 57.86 304 P P 15 10 10.0 -0.8, COYC, Coyhaique, 57.89 189 P P 15 10 11.2 +0.5, BMO, Blue Mountains, 57.91 316 Iamb Iamb 15 10 35.1, J08A, Circle Bar Ran, 58.32 314 Iamb Iamb 15 11 00.0, FIGM, Figuil, 58.49 60 P P 15 10 17.0 +1.6, CMB, Columbia Colle, 58.50 307 IAMS_20 IAMS_20 15 37 03.4, NEW, Newport, 58.82 320 Iamb Iamb 15 10 17.1, NEW, Newport, 58.82 320 P P 15 10 16.4 -0.9, NEW, Newport, 58.82 320 LR LR 15 36 55.7, ICESG, Greenland Ices, 58.95 9 i P P 15 10 17.8 -0.4, ICESG, Greenland Ices, 58.95 9 Iamb Iamb 15 10 20.4, I07A, Ize, 59.22 314 Iamb Iamb 15 10 37.8, D08A, Wollman Farm, 59.61 318 Iamb Iamb 15 10 43.7, BORG, Borgarnes, 59.67 19 LR LR 15 32 01.0, ORV, Orville, 59.73 309 IAMS_20 IAMS_20 15 40 10.1, HAWA, Hanford, 59.84 317 Iamb Iamb 15 10 42.1, F07A, Phinny Hill Vi, 59.97 316 Iamb Iamb 15 10 50.1, PINE, Pine Mountain, 60.16 314 P P 15 10 26.7 -0.1, J05D, Fort Rock, OR, 60.26 313 P P 15 10 26.9 -0.5, MCCM, Marconi Cent, 60.56 307 IAMS_20 IAMS_20 15 31 09.3, LTY, Liberty, 60.82 318 Iamb Iamb 15 10 31.6, HOOD, Mount Hood Mea, 61.01 315 Iamb Iamb 15 10 54.9, YBH, Yreka Blue Hor, 61.02 311 LR LR 15 38 54.9, TORD, Torodi Ar. Bea, 61.34 81 P P 15 10 34.5 -0.5, TORD, Torodi Ar. Bea, 61.34 81 LR LR 15 36 32.0, KMRF, Mail Ridge, 61.51 909 Iamb Iamb 15 10 55.3, MFF, Saint Martin d, 61.78 43 eP P 15 10 38.5 +1.0, KMPM, Mount Pierce, 61.85 310 P Iamb Iamb 15 10 38.3 0.0, LFF, La Frestale, 62.02 45 eP P 15 10 40.1 +1.0, SUMG, Summit, 62.29 8 P P 15 10 41.4 +0.5, SUMG, Summit, 62.29 8 P P 15 10 41.4 +0.5, SUMG, Summit, 62.29 8 P P 15 10 41.4 +0.5, SUMG, Summit, 62.29 8 i P P 15 10 41.0 +0.1, EKA, Eskdalemuir Ar, 62.49 33 P P 15 10 42.9 +0.8, CAF, Calviac, 62.94 45 eP P 15 10 46.1 +0.7, YKA, Yellowknife Ar, 63.21 335ceP P 15 10 45.5 -1.2, YKA, Yellowknife Ar, 63.21 335 P pmax 15 10 45.6 -1.1, YKA, Yellowknife Ar, 63.21 335 P LR LR 15 41 12.2, comp=Z, 2.67nm, 18.0s, baz=88, slow=39

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Table with columns: EFI, East Falkland, 63.23 178 i P pmax 15 10 45.5 -1.4, G009, Cerro Castillo, 63.50 188 P P 15 10 48.7 0.0, CLF, Chambon-Foret, 63.69 42 eP P 15 10 51.7 +1.5, SSF, Saint Saultge, 64.33 43 eP P 15 10 54.6 +0.2, TULEG, Tule, 64.90 358 IAMS_20 IAMS_20 15 31 20.7, GO10, Punta Arenas, 65.19 186 P P 15 11 01.5 +1.7, DOU, Dourbes, 65.61 40 dP P 15 11 03.6 +1.0, RES, Resolute Bay, 65.68 351 LR LR 15 40 35.7, BMRD, Maredous, 65.76 40 dP P 15 11 03.3 -0.3, NEEM, North Greenian, 65.89 2 i P Iamb Iamb 15 11 03.6 -0.8, RCHB, Rochefort, 66.02 40 dP P 15 11 05.4 +0.1, BCLA, Clavier, 66.12 40 dP P 15 11 06.6 +0.7, BCLA, Fort Liard, 66.23 331 dP P 15 11 09.5 -2.4, LPL, La Plagne, 66.29 45 eP pmax 15 11 08.7 +1.3, BSTI, Sart Tilman, 66.31 40 dP P 15 11 08.5 +1.4, KOTAN, Kotaneleele Air, 66.46 331 P P 15 11 08.0 0.0, WLF, Waferdange, 66.52 41 Iamb Iamb 15 11 10.5, WLF, Waferdange, 66.52 41 dP P 15 11 09.8 +1.3, BHO, Bho, 66.55 40 dP P 15 11 10.1 +1.4, MEM, Membach, 66.59 40 dP P 15 11 09.8 +0.9, BBB, Bella Bella, 66.64 322 LR LR 15 42 57.7, BTNL, Ternell, 66.67 40 dP P 15 11 10.6 +1.1, DBG, Daneborg, 66.68 11 i P Iamb Iamb 15 11 09.7 +0.7, SENIN, Lac Senin/Sane, 66.79 45 P P 15 11 10.7 +0.1, ECH, Echery, 66.95 43 Iamb Iamb 15 11 13.5, ECH, Echery, 66.95 43 P P 15 11 12.1 +0.8, WRGLY, Wrigley, 67.21 334 Iamb Iamb 15 11 31.6, WRGLY, Wrigley, 67.21 334 P P 15 11 12.2 -0.4, JMJC, Jan Mayen, 67.32 16 LR LR 15 35 29.0, KEST, Kesra, 67.52 56 P P 15 11 16.5 +1.3, BFO, Black Forest, 67.74 43 P P 15 11 16.0 -0.3, STU, Stuttgart, 68.37 42 Iamb Iamb 15 11 22.0, U35K, Hyder, 68.47 326 P P 15 11 20.5 -0.2, FOO, Floro, 68.53 28 eP P 15 11 23.2 +2.3, BLSS, Blasjo, 68.66 31 eP P 15 11 23.2 +1.4, DAVA, Danuells, 68.66 44 i P P 15 11 23.7 +1.4, DAG, Danmarks Havn, 68.71 10 i P Iamb Iamb 15 11 21.0 -0.8, WTLY, Watson Lake, Y, 68.74 330 Iamb Iamb 15 11 47.4, WTLY, Watson Lake, Y, 68.74 330 P P 15 11 22.3 -0.1, T35M, Bob Quinn, 68.80 327 P P 15 11 22.7 -0.1, TGTN, Hyland Airport, 68.84 332 P P 15 11 23.3 +0.3, ODD1, Odda, 68.86 30 eP P 15 11 24.8 +1.7, HYA, Høyanger, 68.95 29 eP P 15 11 25.1 +1.6, DLBC, Dease Lake, 68.98 328 P P 15 11 24.1 +0.2, DLBC, Dease Lake, 68.98 328 LR LR 15 42 51.8, FETA, Feichten, 69.21 44 i P P 15 11 26.4 +0.7, V35K, Ketchikan, 69.25 325 P P 15 11 25.9 +0.3, RETA, Reutte, 69.28 44 i P P 15 11 26.8 +0.9, OSSO, Osservatorio P, 69.32 48 Iamb Iamb 15 12 11.9, S34M, Telegraph Cree, 69.45 328 P P 15 11 27.1 +0.4, MOTA, Moosalm, 69.50 44 eP P 15 11 27.8 +0.4, SQTA, Sankt Quirin, 69.56 44 i P P 15 11 28.6 +0.8, AKN, Aaknes, 69.57 28 eP P 15 11 28.0 +0.6, R33M, Jennings River, 69.66 329 Iamb Iamb 15 11 49.0, R33M, Jennings River, 69.66 329 P P 15 11 28.5 +0.4, TEOL, Teolo, 69.74 46 Iamb Iamb 15 11 47.2, CTI, Castel Tesino, 69.77 45 Iamb Iamb 15 11 30.7, WATA, Walderalm, 69.81 44 eP P 15 11 29.9 +0.5, WRAK, Wrangell Islan, 69.84 326 P P 15 11 29.3 +0.1, SKAR, Skarslia, 69.84 29 eP P 15 11 29.6 +0.4, WTTA, Wattenberg, 69.85 44 eP P 15 11 30.1 +0.4, U33K, Whale Pass, 70.22 326 P P 15 11 32.1 +0.6, Q32M, Nakina River, 70.23 329 P P 15 11 32.2 +0.5, MURB, Monte Urbano, 70.24 48 Iamb Iamb 15 11 32.6, CEXS, Cesi, 70.25 49 Iamb Iamb 15 12 00.6, KONO, Kongsberg, 70.27 31 eP P 15 11 33.8 +2.1, ABTA, Abfattersbach, 70.41 44 eP P 15 11 33.3 +0.3, DOMB, Dombas, 70.49 28 eP P 15 11 34.4 +1.9, LESA, Schwarzleot, 70.57 44 eP P 15 11 34.9 +0.5, NKC, Novy Kostel, 70.63 41 eP P 15 11 34.8 +0.7, NKC, Novy Kostel, 70.63 41 eP P 15 11 34.8 +0.7, CLUD, Cludinico, 70.65 45 Iamb Iamb 15 11 36.1, P33M, Teslin, Yukon, 70.73 330 P P 15 11 34.6 0.0, ALE, Alert, 70.78 360 P P 15 11 34.1 -0.3, ALE, Alert, 70.78 360 P P 15 11 52.9 +1.6, OSL, Oslo, 70.88 30 eP P 15 12 00.3 +2.0, A36M, Sachs Harbour, 70.97 343 P P 15 11 35.1 -0.7, KBA, Koelnbreinsper, 71.00 44 eP P 15 11 36.5 -0.1, P32M, Atlin, 71.07 329 P P 15 11 36.6 -0.1, CLL, Colim, 71.07 40 P P 15 11 37.2 +0.5, CLL, Colim, 71.07 40 P P 15 11 36.8 +0.1, CLL, Colim, 71.07 40 i P x 15 11 47.5, CLL, Colim, 71.07 40 i P x 15 11 55.1, CLL, Colim, 71.07 40 i P x 15 11 59.0, CLL, Colim, 71.07 40 eS x 15 20 50.0 +1.8, CLL, Colim, 71.07 40 eS x 15 21 56.0 +0.5, CLL, Colim, 71.07 40 eS x 15 28 35.4 +1.6, CLL, Colim, 71.07 40 eSSS x 15 28 54.0, CLL, Colim, 71.07 40 eSSS x 15 30 12.0, CLL, Colim, 71.07 40 i P P 15 11 36.8 +0.1, CLL, Colim, 71.07 40 i P P 15 11 55.1 -1.5, CLL, Colim, 71.07 40 eS P 15 20 50.0 +1.8

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Novokhoporsk, Mount Meron Ar, Unalaska Valle, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Asahikawa, BinXian, Usuriysk Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like GUC 05, SCB 05, ICS 05, etc.

5d 15h

Table with columns: WB2, WBR, SONM, ASAR, ASAR, H1N1, H1N2, H1N3, NWA0, PEAB0, MK31, MKAR, MAK2, ARMA, ARMA, ZALV, KURK, KURK, KURBB, OUEC, OUEC, BVAR, BRVK, BRVK, TIXI, TIXI, GEYT, F19K, F19K, D19K, D19K, H19K, H19K, B20K, CAST, PAHW, BHMV, AIN, M27K, M27K, G29M, G29M, H29M, NAO01

NEIC 05 15:41:19.9, 1.7, 6.25S; 0.09; 148.86E; 0.10, h49km, 8km, mb4.4/32, Error ellipse: s-maj=16.7km s-min=9.7km az=128.0

ISC 05 15:41:19.2, 1.9, 6.27S; 148.86E; h57km, mb3.5/5, mbtmp3.9/8, ML4.0/2, MS3.5/2, Error ellipse: s-maj=46.5km s-min=10.0km az=123.0

ISC 05 15:41:19.7, 0.5, 6.28S; 0.07; 148.84E; 0.07, h53km, n56, c079/58, mb4.4/18, New Britain region

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

2017 NOV

Table with columns: L19K, J20K, E19K, E19K, MID, D19K, QSPA, QSPA, M24K, I23K, I23K, D22K, D22K, ILAR, J25K, J25K, F24K, F24K, K27K, K27K, K29M, K29M, TORD, TORD

ISC 05 15:47:45.2, 3.1, 39.33N; 141.87E, h0km, mb3.4/3, mbtmp3.3/4, ML2.1/1, Error ellipse: s-maj=75.7km s-min=34.4km az=74.0

JMA 05 15:47:49.0, 0.1, 38.70N; 0.2, 142.3E; 0.6, h38km, 1km, mb3.4/40, E OFF, MYAGI PREF

ISC 05 15:47:49.5, 1.9, 38.76N; 0.04; 142.19E; 0.09, h27km, 11km, n21, c134/23, mb3.4/3, 12D, Near east coast of eastern Honshu

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

H1N2 WAKE ISLAND Hy 28.56 125 T T 16 23 59.5

H1N1 WAKE ISLAND Hy 28.57 125 T T 16 24 02.9

H1N3 WAKE ISLAND Hy 28.58 125 T T 16 24 02.8

H1S1 WAKE ISLAND Hy 29.33 127 T T 16 25 00.3

H1S2 WAKE ISLAND Hy 29.34 127 T T 16 24 58.0

H1S3 WAKE ISLAND Hy 29.35 127 T T 16 25 01.2

ISC 05 15:56:13.7, 1.9, 5.63S; 152.50E, h0km, mb3.1/3, mbtmp3.3/4, ML1.6/1, Error ellipse: s-maj=44.9km s-min=19.1km az=102.0, New Britain region

ISC 05 15:56:19.2, 3.1, 29.62S; 178.08W, h0km, mb3.7/3, mbtmp3.7/3, Error ellipse: s-maj=88.5km s-min=37.1km az=39.0, Kermadec Islands

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

ISC 05 15:57:13.2, 1.1, 19.17S; 67.13W, h243km, 11km, ML3.3/4, MV2.6, Error ellipse: s-maj=4.0km s-min=3.6km az=1.0

GUC 05 15:57:14.5, 0.7, 19.17S; 67.34W, h271km, 27km, ML3.5

ISC 05 15:57:12.7, 1.4, 19.17S; 0.06; 67.13W; 0.06, h246km, n20, c1922/29, Southern Bolivia

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

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Table with columns: PB01, TA02, TA01, YJA, PB02, PB02, PB02, PB02, LVC, PB06, PB06, PB06, PB15, PB15

NEIC 05 15:59:48.4, 1.8, 20.8S; 0.1, 177.7W; 0.1, h329km, 5km, mb4.4/50, Error ellipse: s-maj=20.7km s-min=15.5km az=124.0

ISC 05 15:59:57.9, 2.5, 20.31S; 178.20W, h414km, 26km, mb3.2/10, mbtmp4.0/11, Error ellipse: s-maj=22.7km s-min=15.2km az=140.0

ISC 05 15:59:49.5, 0.6, 20.72S; 0.10; 177.72W; 0.09, h350km, n74, c146/70, mb4.3/35, Fiji Islands region

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

Table with columns: M29M, J25K, K27K, PDAR, J26L, M30M, L29M, DAWY, BVAR, EKA, BRTR, MMAI, CLL. Includes station names, coordinates, and times.

Table with columns: ELDTW, STYH, ALS, EHD, WTP, ECS, CHN4. Includes station names, coordinates, and times.

IDC 05 16:14:55.4:1.8, 3.76S, 128.18E, h0km, mb3.4/3, mbtmp3.4/4, ML3.1/1, MS3.8/1, Error ellipse: s-maj=141.4km s-min=26.3km az=68.0, Seram

Table with columns: WRA, ASAR, BRDH, MKAR, KURBB. Includes station names, coordinates, and times.

IDC 05 16:17:43.2:10.0, 41.21S, 80.94E, h0km, mb3.6/4, mbtmp3.6/4, MS3.4/2, Error ellipse: s-maj=280.9km s-min=34.4km az=128.0, Mid-Indian Ridge

Table with columns: H04S1, H04S2, H04S3, H04N2, H04N3, H04N1, H01W2, H01W3, H01W1, H08S2, H08S1, H08S3, BOSA, ASAR, SUR, VNDA, QSPA, WRA. Includes station names, coordinates, and times.

IDC 05 16:28:10.4:2.6, 22.23S, 168.86E, h0km, mb3.5/2, mbtmp3.5/3, ML3.4/1, MS2.6/1, Error ellipse: s-maj=108.2km s-min=37.7km az=172.0

NOU 05 16:28:10.6, 21.36S, 168.76E, h0km, MLV4.0/7, Loyalty Islands

ISC 05 16:28:14.8:1.9, 21.45S, 0.1x168.4E:0.1, h10km, n10, 0563/11, Loyalty Islands

Table with columns: LIFNC, YATNC, QUENC, DZM, GERES, MKAR, H04S1, H04S2, H04S3, BOSA, ASAR, SUR, VNDA, QSPA, WRA, H01W2, H01W3, H01W1, H08S2, H08S1, H08S3, BOSA, ASAR, SUR, VNDA, QSPA, WRA. Includes station names, coordinates, and times.

IDC 05 16:30:52.2:2.3, 17.71S, 167.77E, h0km, mb3.4/3, mbtmp3.4/4, ML3.0/1, Error ellipse: s-maj=63.0km s-min=36.9km az=129.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station names and coordinates.

Table with columns: DZM, WRA, ASAR, ILAR. Includes station names, coordinates, and times.

HLW 05 16:33:33.6:0.0, 27.03N, 134.33E, h1km, MD3.5/5, Mm3.5/5

ISC 05 16:33:45.6, 27.71N, 34.25E, h12km, 2km, MD2.8, ML3.9

ISC 05 16:33:39.3:3.2, 27.51N, 0.1x34.3E:0.1, h5km, 19km, n18, 05120/26, Red Sea

Table with columns: TR1, TR2, HKAT, HDHB, HRDS, GRB, NUB, EIL, ZAF, MBRI, ASUT, HRFU, KRMI, NBNS, PRNI, TAMRE, ZFRI, KZIT. Includes station names, coordinates, and times.

NOU 05 16:50:42.4, 21.57S, 169.11E, h0km, MLV3.5/8, Southeast of Loyalty Islands

IDC 05 16:50:49.5:4.8, 20.86S, 168.19E, h0km, mb3.3/2, mbtmp3.3/3, ML2.8/1, Error ellipse: s-maj=139.6km s-min=34.7km az=133.0

ISC 05 16:50:48.9:1.9, 21.64S, 0.1x168.5E:0.1, h10km, n12, 05058/13, Loyalty Islands

Table with columns: MARNC, PINNC, LIFNC, YATNC, QUENC, DZM, DZM. Includes station names, coordinates, and times.

IDC 05 16:53:32.0:1.6, 7.61N, 123.51E, h0km, mb3.9/14, mbtmp4.0/18, ML4.2/4, MS3.3/7, Error ellipse: s-maj=26.9km s-min=12.6km az=59.0

NEIC 05 16:53:37.0:1.6, 7.70N, 0.05x123.44E:0.06, h13km, 5km, mb4.5/18, Error ellipse: s-maj=10.7km s-min=4.9km az=53.0

DJA 05 16:53:38.0:0.7, 7.7N, 6.12E, h40km, 11km, M4.3/12, mb4.8/8, mb4.5/12, MLV4.5/9, Mw(m)4.1/8

ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

Table with columns: DAV, DAV, DAV, SGSI, MYLDM, GTOI, KMSI, TGY, TOLIZ, MRSI, KKM, TNTI, MPSI, LUWU, LUWU, SANI, SBAU, TPUB, PLA1, TWSI, BATI, JOW, JOW, JOW, JOW, KNRA, KNRA, CMAR, JNU. Includes station names, coordinates, and times.

IDC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

DJA 05 16:53:38.0:0.7, 7.7N, 6.12E, h40km, 11km, M4.3/12, mb4.8/8, mb4.5/12, MLV4.5/9, Mw(m)4.1/8

ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

IDC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

DJA 05 16:53:38.0:0.7, 7.7N, 6.12E, h40km, 11km, M4.3/12, mb4.8/8, mb4.5/12, MLV4.5/9, Mw(m)4.1/8

ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

IDC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

DJA 05 16:53:38.0:0.7, 7.7N, 6.12E, h40km, 11km, M4.3/12, mb4.8/8, mb4.5/12, MLV4.5/9, Mw(m)4.1/8

ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

IDC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

DJA 05 16:53:38.0:0.7, 7.7N, 6.12E, h40km, 11km, M4.3/12, mb4.8/8, mb4.5/12, MLV4.5/9, Mw(m)4.1/8

ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

IDC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

DJA 05 16:53:38.0:0.7, 7.7N, 6.12E, h40km, 11km, M4.3/12, mb4.8/8, mb4.5/12, MLV4.5/9, Mw(m)4.1/8

ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

IDC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

DJA 05 16:53:38.0:0.7, 7.7N, 6.12E, h40km, 11km, M4.3/12, mb4.8/8, mb4.5/12, MLV4.5/9, Mw(m)4.1/8

ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

IDC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

DJA 05 16:53:38.0:0.7, 7.7N, 6.12E, h40km, 11km, M4.3/12, mb4.8/8, mb4.5/12, MLV4.5/9, Mw(m)4.1/8

ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

IDC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

DJA 05 16:53:38.0:0.7, 7.7N, 6.12E, h40km, 11km, M4.3/12, mb4.8/8, mb4.5/12, MLV4.5/9, Mw(m)4.1/8

ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

IDC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

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ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

IDC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

DJA 05 16:53:38.0:0.7, 7.7N, 6.12E, h40km, 11km, M4.3/12, mb4.8/8, mb4.5/12, MLV4.5/9, Mw(m)4.1/8

Table with columns: JNU, JNU, WRAB, WRAB, WRA, KRSR, MJAR, ASAR. Includes station names, coordinates, and times.

ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

DJA 05 16:53:38.0:0.7, 7.7N, 6.12E, h40km, 11km, M4.3/12, mb4.8/8, mb4.5/12, MLV4.5/9, Mw(m)4.1/8

ISC 05 16:53:37.0:3.5, 7.58N, 0.06x123.58E:0.06, h30km, n57, 05180/54, mb4.3/21, MS3.2/5, Mindanao

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5d 17h

P19K	IAML	17 03 39.6
P19K comp=N,62um,0.7s		
P19K Oil Pt	P Sn	17 03 38.9 +0.5
P19K Oil Pt	P Sn	17 03 23.0 +0.2
P19K baz=8.2,SNR=349		
P19K	S Sn	17 03 39.1 +0.6
P19K baz=8.2		
N19K Bonanza Creek	Pn Sn	17 03 24.6 +0.1
N19K	Pn Sn	17 03 42.0 +0.1
N19K Bonanza Creek	IAML	17 03 42.8
N19K comp=N,12um,1.1s		
N19K Bonanza Creek	P Pn	17 03 24.9 +0.3
N19K baz=129,SNR=1000		
N19K	S Sn	17 03 41.8 0.0
AUL Augzine Lava	Pn Sn	17 03 24.7 0.0
AUL	Pn Sn	17 03 42.5 +0.5
AUL Augzine Moun	Pn Sn	17 03 24.8 0.0
AU22	Pn Sn	17 03 42.1 0.0
AU22 Augzine Qik'	Pn Sn	17 03 25.1 +0.1
AUQ Homer	Pn Sn	17 03 25.6 +0.2
HOM	IAML	17 03 45.4
HOM comp=E,47um,0.5s		
HOM Homer	P Pn	17 03 25.7 +0.3
HOM baz=310,SNR=291		
HOM	S Sn	17 03 43.5 +0.4
N20K Mount Spurr	P Pn	17 03 26.7 +0.5
N20K baz=204,SNR=1000		
N20K	S Sn	17 03 45.4 +0.6
SPCR Spurr Chakacha	1.05 26 Pn	17 03 26.4 +0.3
SPCR	Pn Sn	17 03 45.1 +0.4
SPCR Spurr Chakacha	1.05 26 Pn	17 03 26.5 +0.3
SPCR	Pn Sn	17 03 45.0 +0.3
SPCR Spurr Chakacha	1.05 26 P Pn	17 03 26.7 +0.5
SPCR baz=204,SNR=1000		
SPCR	S Sn	17 03 45.4 +0.6
SPBG Spurr Blockage	1.08 21 Pn	17 03 27.2 +0.7
SPBG	Pn Sn	17 03 46.3 +1.2
O18K Koktuh Hills	1.11 249 Pn	17 03 26.7 +0.1
O18K Koktuh Hills	1.11 249 Pn	17 03 26.9 +0.2
O18K baz=70,SNR=421		
O18K	S Sn	17 03 45.3 -0.2
CAPN Captain Cook N	1.11 62 Pn	17 03 28.2 +1.6
CAPN Captain Cook N	1.11 62 P	17 03 28.3 +1.6
CAPN baz=241,SNR=20		
SPCN Crater Peak Br	1.13 25 Sn	17 03 46.8 +0.6
SPNN North Nagishla	1.14 11 Sn	17 03 26.9 -0.2
SPCC Spurr Capps Gl	1.18 28 Pn	17 03 27.7 +0.3
SPCC	Pn Sn	17 03 47.1 +0.2
CPM China Poot	1.21 126 Pn	17 03 27.0 +0.1
CNPM China Poot	1.21 126 Pn	17 03 46.7 -0.6
BRLL Bradley Lake	1.24 112 Pn	17 03 27.7 -0.3
BRLL	IAML	17 03 47.8
BRLL comp=N,46um,0.7s		
BRLL	IAML	17 03 48.4
BRSE Bradley Lake S	1.32 112 Pn	17 03 28.6 -0.1
BRSE	Pn Sn	17 03 47.8 -1.4
BRSE Bradley Lake S	1.32 112 P	17 03 28.8 +0.1
BRSE	S Sn	17 03 48.0 -1.2
Q19K Cape Douglas,	1.36 191 Pn	17 03 28.9 -0.2
Q19K Cape Douglas,	1.36 191 IAML	17 03 28.7 -0.2
Q19K comp=E,36um,0.9s		
Q19K Cape Douglas,	1.36 191 P Pn	17 03 28.9 -0.2
Q19K	baz=12	
Q19K	S Sn	17 03 49.3 -0.6
P18K Big Mountain,	1.36 231 Pn	17 03 29.0 -0.2
P18K Big Mountain,	1.36 231 Sn	17 03 48.8 -1.2
P18K Big Mountain,	1.36 231 P	17 03 29.2 0.0
P18K baz=52,SNR=493		
P18K	S Sn	17 03 49.0 -1.0
N18K Kilae Creek	1.42 289 Pn	17 03 30.1 +0.3
N18K	Pn Sn	17 03 50.6 -0.6
N18K Kilae Creek	1.42 289 IAML	17 03 51.7
N18K comp=N,10um,0.8s		
N18K Kilae Creek	1.42 289 P Pn	17 03 30.1 +0.3
N18K baz=107,SNR=1000		
N18K	S Sn	17 03 50.5 -0.6
SVW2 Sparvevohn	1.46 306 Pn	17 03 30.3 +0.1
SVW2	IAML	17 03 52.4
SVW2 comp=E,8um,0.9s		
SVW2 Sparvevohn	1.46 306 Pn	17 03 51.5 -0.4
SVW2 Sparvevohn	1.46 306 P Pn	17 03 30.5 +0.3
M20K Styx River	1.63 0 P	17 03 33.0 +0.9
M20K Styx River	1.63 0 P	17 03 33.2 +1.1
M20K baz=179,SNR=1000		
M20K	S Sn	17 03 56.0 +0.6
SUA Susitna One	1.69 43 Pn	17 03 33.1 +0.3
SUA Susitna One	1.69 43 Pn	17 03 56.9 +0.3
SUA Susitna One	1.69 43 P Pn	17 03 33.1 +0.3
SUA baz=224,SNR=1000		
SUA	S Sn	17 03 56.8 +0.3
FIS Fire Island	1.70 57 Pn	17 03 33.2 +0.5
Q20K Shuyak Island	1.70 166 P	17 03 32.4 -0.4
Q20K baz=348,SNR=384		
Q20K	S Sn	17 03 55.1 -1.3
SYI Shuyak Island	1.70 166 Pn	17 03 32.2 -0.6
SYI	IAML	17 03 57.2
SYI comp=N,26um,0.4s		
SYI	IAML	17 03 58.2
SYI Shuyak Island	1.70 166 Sn	17 03 54.9 -1.5
O22K Cooper Landing	1.72 81 Pn	17 03 32.6 -0.4
O22K Cooper Landing	1.72 81 P	17 03 32.6 -0.4
O22K baz=263,SNR=193		
O22K	S Sn	17 03 55.3 -1.6
M19K Big River Lodg	1.76 341 Pn	17 03 34.1 +0.5
M19K	Pn Sn	17 03 57.9 +0.1
M19K Big River Lodg	1.76 341 P Pn	17 03 34.0 +0.5
M19K	S Sn	17 03 58.1 +0.3
M18K Stony River	1.80 315 Pn	17 03 34.1 +0.1
M18K Stony River	1.80 315 P	17 03 34.2 +0.2
M18K baz=132,SNR=1000		
M18K	S Sn	17 03 58.7 +0.2
SEW Seward	1.85 93 Pn	17 03 34.1 -0.5
SEW Seward	1.85 93 Pn	17 03 34.0 -0.6
SEW baz=276,SNR=360		
SEW	S Sn	17 03 57.6 -2.0
Q18K Katmai Hardscr	1.87 211 Pn	17 03 35.0 +0.1
Q18K	S Sn	17 03 59.1 -1.2
RC01 Rabbit Creek A	1.88 62 Pn	17 03 34.2 -0.7
RC01	IAML	17 04 00.7
RC01 comp=N,16um,0.7s		
RC01	IAML	17 04 04.5
RC01 Rabbit Creek A	1.88 62 P Pn	17 03 34.4 -0.4
RC01	S Sn	17 03 58.7 -1.5
SKT Skwentna	1.90 24 Pn	17 03 35.5 +0.3
SKT	IAML	17 04 03.0
SKT comp=N,4um,0.6s		
SKT Skwentna	1.90 24 P Pn	17 03 35.6 +0.5
SKT baz=204,SNR=1000		
SKT	S Sn	17 04 00.5 -0.2
P17K Kvichak River	1.98 239 Pn	17 03 36.9 +0.9
P17K Kvichak River	1.98 239 P	17 03 37.0 +0.9
P17K baz=57,SNR=1000		
N17K Nushagak Hills	2.02 279 Pn	17 03 37.2 +0.6
N17K Nushagak Hills	2.02 279 P	17 03 37.2 +0.6
N17K baz=96,SNR=1000		
N17K	S Sn	17 04 02.7 -0.5
O17K Koliganek Bris	2.04 258 Pn	17 03 37.3 +0.6
O17K Koliganek Bris	2.04 258 P	17 03 37.5 +0.7
O17K baz=76,SNR=643		

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O17K	S Sn	17 04 04.1 +0.6
baz=76		
KAWH Katmai	2.06 205 Pn	17 03 37.0 -0.1
L19K White Mountain	2.10 338 Pn	17 03 37.8 +0.3
L19K	IAML	17 04 06.7
L19K comp=N,3um,1.4s		
L19K	IAML	17 04 06.8
L19K comp=E,4um,0.9s		
L19K White Mountain	2.10 338 P Pn	17 03 38.0 +0.4
L19K baz=155,SNR=415		
L19K	S Sn	17 04 05.3 +0.4
M22K Willow	2.11 43 Pn	17 03 37.4 -0.2
M22K Willow	2.11 43 P	17 03 37.5 0.0
M22K baz=224,SNR=1000		
M22K	S Sn	17 04 05.1 +0.1
baz=224		
KVTA Katmai Vly 10	2.18 211 Pn	17 03 38.6 +0.1
KAKN Katmai Knife C	2.20 207 Pn	17 03 38.7 -0.1
KELA Mount Kelaz	2.25 217 Pn	17 03 39.5 0.0
L20K Farewell, AK	2.26 351 Pn	17 03 40.2 +0.7
L20K Farewell, AK	2.26 351 P	17 03 40.4 +0.9
L20K baz=170,SNR=1000		
L20K	S Sn	17 04 08.9 +0.5
PMR Palmer	2.38 54 Pn	17 03 39.3 -1.6
PMR	IAML	17 04 09.5
PMR comp=E,6um,0.7s		
PMR	IAML	17 04 13.2
PMR Palmer	2.38 54 P Pn	17 03 39.8 -1.1
PMR Palmer	2.38 54 P	17 03 39.5 -1.3
PMR baz=236,SNR=355		
PMR	S Sn	17 04 08.7 -2.2
PMR Palmer	2.38 54 P Pn	17 03 39.3 -1.6
Q16K King Salmon	2.39 230 Pn	17 03 41.7 +0.6
Q16K King Salmon	2.39 230 P	17 03 41.9 +0.8
Q16K baz=SNR=775		
M17K Holitna River	2.39 301 Pn	17 03 41.4 +0.3
M17K	IAML	17 04 13.2
M17K comp=N,3um,1.6s		
M17K Holitna River	2.39 301 P Pn	17 03 41.5 +0.4
M17K baz=117,SNR=759		
M17K	S Sn	17 04 10.0 -1.2
Q17K Contact Creek	2.44 216 P	17 03 42.0 +0.1
Q17K baz=35,SNR=1000		
Q17K	S Sn	17 04 10.5 -2.1
baz=35		
PWL Port Wells	2.46 74 Pn	17 03 40.4 -1.5
PWL	IAML	17 04 13.5
PWL comp=E,14um,0.6s		
PWL Port Wells	2.46 74 P Pn	17 03 40.5 -1.4
PWL baz=257,SNR=136		
PWL	S Sn	17 04 10.0 -2.7
baz=257		
KDAK Kodiak Island	2.50 173 Pn	17 03 40.8 -1.6
KDAK	IAML	17 04 12.5
KDAK comp=E,14um,0.3s		
KDAK	IAML	17 04 12.6
KDAK Kodiak Island	2.50 173 P Pn	17 03 40.9 -1.6
KDAK baz=354		
KDAK	S Sn	17 04 10.4 -3.3
KDAK Kodiak Island	2.50 173 P Pn	17 03 40.9 -1.6
KDAK comp=E,9.13nm,0.3s, baz=314,slow=3.8,SNR=4197		
KDAK	S Sn	17 04 10.3 -3.3
comp=E,5um,0.4s, baz=88,slow=20,SNR=11		
KDAK	LR	17 04 51.9
GHO Glory Hole Cre	2.56 52 Pn	17 03 42.1 -1.1
GHO	IAML	17 04 14.6
comp=N,15um,0.7s		
CUT Chulitna	2.56 32 Pn	17 03 43.2 0.0
CUT	IAML	17 04 17.6
comp=N,16um,0.7s		
CUT Chulitna	2.56 32 P Pn	17 03 43.3 0.0
CUT baz=213,SNR=1000		
CUT	S Sn	17 04 14.8 -0.3
KNK Knik Glacier	2.58 61 Pn	17 03 42.0 -1.4
KNK	IAML	17 04 15.9
KNK comp=N,15um,0.6s		
KNK Knik Glacier	2.58 61 P Pn	17 03 42.1 -1.2
KNK baz=244,SNR=564		
KNK	S Sn	17 04 13.4 -1.9
baz=244		
O16K Kokwok River B	2.58 257 Pn	17 03 44.1 +0.8
O16K	IAML	17 04 16.5
comp=N,2um,1.6s		
O16K Kokwok River B	2.58 257 P Pn	17 03 44.3 +1.0
O16K baz=189,SNR=189		
O16K	S Sn	17 04 15.3 0.0
baz=74		
L18K Granite Mouna	2.61 321 Pn	17 03 44.1 +0.4
L18K Granite Mouna	2.61 321 IAML	17 04 16.6
L18K comp=N,4um,0.9s		
L18K Granite Mouna	2.61 321 P Pn	17 03 44.2 +0.4
L18K baz=137,SNR=1000		
L18K	S Sn	17 04 14.9 -1.1
baz=137		
PPLA Purkeypile	2.69 9 Pn	17 03 46.2 +1.2
PPLA Purkeypile	2.69 9 Pn	17 03 46.2 +1.2
PPLA baz=189,SNR=1000		
PPLA	S Sn	17 04 18.0 -0.1
baz=189		
P16K Nushagak River	2.75 246 P Pn	17 03 46.9 +1.4
P16K	S Sn	17 04 20.1 +1.0
baz=62,SNR=201		
P16K	S Sn	17 03 44.3 -1.7
R18K Karluk	2.78 195 Pn	17 03 44.5 -1.5
R18K Karluk	2.78 195 P	17 03 44.5 -1.5
R18K baz=14		
R18K	S Sn	17 04 17.7 -2.3
baz=14		
N16K Nishlik Lake	2.80 277 Pn	17 03 47.1 +0.9
N16K Nishlik Lake	2.80 277 P	17 03 47.3 +1.0
N16K baz=92,SNR=760		
N16K	S Sn	17 04 20.7 +0.2
SML Sawmill	2.81 54 Pn	17 03 45.2 -1.3
SML	IAML	17 04 22.1
comp=E,8um,0.8s		
SML Sawmill	2.81 54 P Pn	17 03 45.3 -1.1
SML baz=238,SNR=522		
SML	S Sn	17 04 18.1 -2.7
baz=238		
SML Sawmill	2.81 54 P Pn	17 03 45.2 -1.3
P23K Montague Islan	2.89 93 Pn	17 03 47.0 -0.3
P23K Montague Islan	2.89 93 P	17 03 47.4 0.0
P23K baz=277,SNR=217		
P23K	S Sn	17 04 20.6 -1.8
baz=277		
M16K Timber Creek	2.96 288 Pn	17 03 49.2 +1.0
M16K Timber Creek	2.96 288 P	17 03 49.2 +1.0
M16K baz=103,SNR=706		
M16K	S Sn	17 04 21.1 -3.0
baz=103		
PLK5 Peulik 5	2.97 222 Pn	17 03 49.0 +0.7
TTA Talatina	3.01 334 Pn	17 03 49.1 +0.1
TTA	IAML	17 04 27.4
comp=N,2um,1.5s		

J20K	baz=172,SNR=1000	S	Sn	17 04 48.1	+0.7	CCB	Clear Creek Bu	5.06	27	Pn	17 04 15.1	-0.6	H16K	Elim	6.09	320	P	Pn	17 04 29.7	+0.2			
BPAW	baz=172 Bear Paw Mtn. comp=N,391nm,0.8s	3.99	14	IAML		CCB	Clear Creek Bu	5.06	27	IAML	17 05 16.8		H16K	baz=132,SNR=29			S	Sn	17 05 36.2	-1.7			
BPAW	baz=195,SNR=1000	3.99	14	Pn	Pn	17 04 00.9	-0.7	M13K	Dall Lake	5.07	276	Pn	Pn	17 04 18.0	+2.1	H24K	Noodin Dome	6.09	21	Pn	Pn	17 04 29.2	-0.4
BPAW	baz=195,SNR=1000			S	Sn	17 04 46.0	-2.0	M13K	comp=E,493nm,1.7s			IAML		17 06 03.9	H24K	Noodin Dome	6.09	21	Pn	Pn	17 04 29.2	-0.4	
MCK	baz=195 McKinley	4.01	28	Pn	Pn	17 04 02.7	+0.7	M13K	comp=N,470nm,1.7s	5.07	276	P	Pn	17 04 17.9	+2.1	J26L	Joseph Creek	6.16	42	Pn	Pn	17 04 30.1	-0.5
MCK	baz=211,SNR=1000	4.01	28	Pn	Pn	17 04 01.6	-0.4	M13K	Dall Lake	5.07	276	S	Pn	17 05 13.7	+0.1	J26L	Joseph Creek	6.16	42	Pn	Pn	17 04 30.0	-0.6
MCK	McKinley	4.01	28	P	Pn	17 04 02.7	+0.7	HDA	harding Lake	5.07	32	Pn	Pn	17 04 15.3	-0.6	G19K	Purcell Mouna	6.17	345	Pn	Pn	17 04 31.2	+0.6
GOAT	Goat Mountain	4.19	82	P	Pn	17 04 02.7	+0.7	HDA		5.14	86	IAML		17 05 14.1	G19K	Purcell Mouna	6.17	345	Pn	Pn	17 04 31.2	+0.6	
RAGM	Ragged Mountai	4.22	85	Pn	Pn	17 04 04.6	-0.1	HDA	comp=N,1µm,0.5s			IAML		17 05 15.5	G19K	baz=161,SNR=44		S	Sn	17 05 37.2	-2.7		
J17K	VABM Dome	4.22	321	IAML		17 05 24.6		HDA	comp=E,1µm,0.5s	5.07	32	P	Pn	17 04 15.4	-0.5	SAMH	Samovar Hills	6.17	96	Pn	Pn	17 04 31.1	+0.4
J17K	VABM Dome	4.22	321	P	Pn	17 04 04.8	+0.2	HDA	Harding Lake	5.07	32	P	Pn	17 05 11.7	-1.9	YUK2	White River	6.18	70	Pn	Pn	17 04 31.0	+0.2
J17K	baz=195			S	Sn	17 04 52.6	-0.8	HDA	baz=217,SNR=1000			S	Sn	17 05 11.7	-1.9	G18K	Tagagawik	6.18	339	P	Pn	17 04 31.4	+0.6
ANNE	baz=135 Aniakchak Nort	4.22	220	Pn	Pn	17 04 04.8	0.0	HDA	baz=217			S	Sn	17 05 11.7	-1.9	G18K	Tagagawik	6.18	339	P	Pn	17 04 31.4	+0.6
O14K	baz=73 Aniakchak Nort	4.23	221	Pn	Pn	17 04 05.1	+0.2	I17K	Unalakleet	5.08	319	IAML		17 05 16.7	G18K	baz=153		S	Sn	17 05 39.2	-1.0		
ANON	Aniakchak	4.25	220	Pn	Pn	17 04 05.4	+0.2	I17K	Unalakleet	5.08	319	P	Pn	17 05 16.7	G17K	Kiwalik Mouna	6.28	330	P	Pn	17 04 31.8	-0.3	
BMRM	Bremner River	4.27	77	Pn	Pn	17 04 04.4	-1.1	I17K	Unalakleet	5.08	319	P	Pn	17 05 16.7	G17K	Kiwalik Mouna	6.28	330	P	Pn	17 04 32.0	0.0	
BMRM	Bremner River	4.27	77	P	Pn	17 04 04.0	-1.4	MCARA	McCarthy VSAT	5.08	73	Pn	Pn	17 04 16.5	+0.4	G17K	baz=143		S	Sn	17 05 41.3	-1.2	
BMRM	baz=264,SNR=102			S	Sn	17 04 51.1	-3.6	MCARA	McCarthy VSAT	5.08	73	P	Pn	17 04 16.0	-0.1	SDPT	Sand Point	6.29	222	P	Pn	17 04 30.7	-1.5
N14K	baz=264 Kuskokwak Cree	4.29	269	Pn	Pn	17 04 07.3	+1.9	MCARA	McCarthy VSAT	5.08	73	P	Pn	17 04 16.0	-0.1	SDPT	Sand Point	6.29	222	P	Pn	17 04 30.8	-1.3
N14K	baz=82,SNR=191	4.29	269	Pn	Pn	17 04 07.4	+1.9	WAX	Waxell Ridge	5.12	83	Pn	Pn	17 04 15.3	-1.4	SDPT	Sand Point	6.29	222	P	Pn	17 04 30.8	-1.3
N14K	baz=82,SNR=191			S	Sn	17 04 56.3	+1.3	TGL	Tana Glacier	5.13	80	Pn	Pn	17 04 16.2	-0.6	G21K	Allakaket	6.29	359	P	Pn	17 04 32.3	+0.2
BWN	baz=82 Browne	4.29	22	IAML		17 05 26.7		SNH	Sunshine Point	5.14	86	IAML		17 05 13.7	G21K	baz=178		S	Sn	17 05 41.8	-1.0		
BWN	comp=N,2µm,1.2s			IAML		17 05 38.8		SNH	comp=N,2µm,1.0s			IAML		17 05 14.7	BVCY	Beaver Creek	6.30	65	P	Pn	17 04 33.1	+0.7	
ANPK	Aniakchak Peak	4.30	219	Pn	Pn	17 04 05.8	-0.1	VNSG	Veniaminof 6	5.20	220	Pn	Pn	17 04 17.2	-0.5	BVCY	baz=255,SNR=486		S	Sn	17 05 39.8	-3.3	
L15K	Ungalak Mouna	4.30	293	P	Pn	17 04 06.7	+0.9	I23K	Minto, Yukon-K	5.21	18	IAML		17 04 16.9	-0.9	PRP	Porcupine Dome	6.32	30	Pn	Pn	17 04 32.0	-0.8
L15K	Ungalak Mouna	4.30	293	P	Pn	17 04 06.9	+1.1	I23K	Minto, Yukon-K	5.21	18	IAML		17 05 55.3	PRP	Porcupine Dome	6.32	30	Pn	Pn	17 04 32.0	-0.6	
M14K	Bethel	4.38	280	P	Pn	17 04 08.4	+1.7	I23K	Minto, Yukon-K	5.21	18	P	Pn	17 04 18.1	+0.4	YUK3	Moose Creek	6.36	71	Pn	Pn	17 04 33.1	-0.2
M14K	Bethel	4.38	280	P	Pn	17 04 08.5	+1.7	S14K	Fog Glacier	5.22	223	Pn	Pn	17 04 18.4	+0.4	YUK3	Moose Creek	6.36	71	Pn	Pn	17 04 33.0	+0.2
KAIM	Kayak Island	4.39	91	IAML		17 04 07.0	+0.2	VNFG	Fog Glacier, M	5.22	223	IAML		17 04 18.4	+0.3	YUK3	baz=261,SNR=439		S	Sn	17 05 42.1	-2.6	
KAIM	comp=E,4µm,1.0s			IAML		17 04 59.7		VNFG	Fog Glacier, M	5.22	223	IAML		17 05 26.4	K27K	Chicken	6.42	49	Pn	Pn	17 04 33.2	-0.7	
KAIM	Kayak Island	4.39	91	P	Pn	17 04 06.6	-0.3	VNFG	comp=N,2µm,0.7s			IAML		17 05 27.6	K27K	Chicken	6.42	49	Pn	Pn	17 04 33.5	-0.5	
KAIM	baz=278,SNR=26			S	Sn	17 04 55.5	-1.8	COLA	College	5.24	26	IAML		17 04 17.1	-1.0	K27K	baz=238		S	Sn	17 05 43.6	-2.3	
N25K	Chitina, Valde	4.39	68	P	Pn	17 04 05.8	-1.1	COLA	College	5.24	26	P	Pn	17 05 22.0	O28M	Mount Upton	6.42	80	Pn	Pn	17 04 34.7	+0.5	
N25K	baz=255,SNR=436			S	Sn	17 04 56.0	-1.5	COLA	comp=N,1µm,0.6s			IAML		17 05 22.9	O28M	Mount Upton	6.42	80	Pn	Pn	17 04 34.8	+0.5	
HARP	HAARP	4.41	57	P	Pn	17 04 07.0	-0.2	COLA	College	5.24	26	P	Pn	17 04 17.9	-0.2	PCA	Pinnacle	6.44	86	Pn	Pn	17 04 34.8	+0.5
HARP	baz=244,SNR=295			S	Sn	17 04 56.9	-1.0	COLA	College	5.24	26	P	Pn	17 04 17.2	-1.0	PINM	Pinnacle	6.44	86	Pn	Pn	17 04 34.5	+0.2
HMT	Hamilton	4.43	85	Pn	Pn	17 04 07.0	-0.4	COLA	College	5.24	26	P	Pn	17 05 34.5	PINM	baz=277,SNR=49		S	Sn	17 05 43.7	-2.8		
K15K	Wolf Creek Mou	4.53	300	P	Pn	17 04 09.7	+0.9	COLA	College	5.24	26	P	Pn	17 04 17.9	-0.2	CHNA	Chernabura Isl	6.45	215	P	Pn	17 04 32.0	-2.3
K15K	Wolf Creek Mou	4.53	300	P	Pn	17 04 10.0	+1.2	COLA	College	5.24	26	P	Pn	17 04 17.2	-1.0	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3	
PAX	Paxson	4.57	50	Pn	Pn	17 04 08.9	-0.4	COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	Chernabura Isl	6.45	215	P	Pn	17 04 32.0	-2.3	
PAX	Paxson	4.57	50	Pn	Pn	17 04 09.1	-0.3	COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
PAX	baz=236,SNR=902			S	Sn	17 04 59.2	-2.6	COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
PAX	baz=236			S	Sn	17 04 08.9	-0.4	COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S	Sn	17 05 41.3	-5.3		
I20K	Naaghdeneel	4.60	353	IAML		17 05 20.4		COLA	College	5.24	26	P	Pn	17 05 42.8	CHNA	baz=30,SNR=94		S					

5d 17h

M29M	baz=259,SNR=694	S	Sn	17 06 05.9	-3.6
E19K	Redstone River	7.45	348	P	Pn
E19K	Redstone River	7.45	348	P	Pn
E19K	baz=164	S	Sn	17 06 11.4	+0.8
DAWY	Dawson	7.48	53	P	Pn
DAWY	Dawson	7.48	53	P	Pn
DAWY	baz=245,SNR=397	S	Sn	17 06 09.0	-2.6
I27K	Kandik River	7.51	39	P	Pn
I27K	Kandik River	7.51	39	P	Pn
I27K	baz=229,SNR=420	S	Sn	17 06 08.4	-3.8
YUKS	Granite Creek	7.56	77	Pn	Pn
F15K	North Star Dit	7.56	321	Pn	Pn
F15K	North Star Dit	7.56	321	P	Pn
F24K	Squaw Lake	7.65	15	Pn	Pn
F24K	Squaw Lake	7.65	15	Pn	Pn
L29M	L29M	7.69	62	Pn	Pn
L29M	L29M	7.69	62	Pn	Pn
L29M	baz=255,SNR=162	S	Sn	17 06 13.3	-3.3
FALS	False Pass	7.73	230	Pn	Pn
FALS	False Pass	7.73	230	P	Pn
FALS	False Pass	7.73	230	P	Pn
HYT	Haines Junctio	7.74	79	Pn	Pn
HYT	Haines Junctio	7.74	79	P	Pn
HYT	baz=272,SNR=36	S	Sn	17 06 14.9	-3.0
P29M	Windy Craggy	7.77	88	Pn	Pn
P29M	Windy Craggy	7.77	88	P	Pn
P29M	baz=281	S	Sn	17 06 15.0	-3.5
G26K	Porcupine Rive	7.90	28	Pn	Pn
G26K	Porcupine Rive	7.90	28	Pn	Pn
E18K	Tukpahrleik C	7.90	339	Pn	Pn
E18K	Tukpahrleik C	7.90	339	Pn	Pn
E22K	Anaktuvuk Pass	7.93	4	Pn	Pn
E22K	Anaktuvuk Pass	7.93	4	P	Pn
N30M	Aishikik Lake	7.93	74	Pn	Pn
N30M	Aishikik Lake	7.93	74	P	Pn
N30M	baz=268,SNR=62	S	Sn	17 06 17.8	-4.7
ISLZ	Isanotki Laza	7.94	230	Pn	Pn
H27K	Steamboat Moun	7.95	36	P	Pn
H27K	Steamboat Moun	7.95	36	P	Pn
F14K	Arctic Creek	7.97	317	Pn	Pn
F14K	Arctic Creek	7.97	317	Pn	Pn
I28M	Miner Creek	7.97	44	Pn	Pn
I28M	Miner Creek	7.97	44	P	Pn
E23K	Chandalar	7.98	10	P	Pn
E23K	Chandalar	7.98	10	P	Pn
SSBA	Shishaldin	8.02	232	Pn	Pn
F25K	Christian Rive	8.07	21	Pn	Pn
F25K	Christian Rive	8.07	21	Pn	Pn
P30M	Million Dollar	8.07	84	Pn	Pn
P30M	Million Dollar	8.07	84	P	Pn
E24K	Your Creek	8.11	13	Pn	Pn
E24K	Your Creek	8.11	13	Pn	Pn
J29N	Klondike Camp	8.11	52	Pn	Pn
J29N	Klondike Camp	8.11	52	P	Pn
E20K	Nigu River	8.14	352	Pn	Pn
E20K	Nigu River	8.14	352	P	Pn
E20K	baz=169	S	Sn	17 06 26.6	-0.8
K29M	Barlow Dome	8.17	57	Pn	Pn
K29M	Barlow Dome	8.17	57	P	Pn
K29M	baz=251,SNR=125	S	Sn	17 06 24.6	-3.6
M30M	Minto, Yukon	8.18	66	Pn	Pn
M30M	Minto, Yukon	8.18	66	Pn	Pn
E21K	Killik River	8.23	358	Pn	Pn
E21K	Killik River	8.23	358	P	Pn
G27K	Doyon Strip	8.33	33	Pn	Pn
G27K	Doyon Strip	8.33	33	Pn	Pn
O30N	Mendenhall	8.43	79	Pn	Pn
O30N	Mendenhall	8.43	79	Pn	Pn
O30N	baz=274,SNR=24	S	Sn	17 06 30.1	-4.4
F26K	Sheenjek River	8.44	24	Pn	Pn
F26K	Sheenjek River	8.44	24	P	Pn
WESE	West Dahl Est	8.46	232	Pn	Pn
PLBC	Pleasant Camp	8.49	88	Pn	Pn
PLBC	Pleasant Camp	8.49	88	P	Pn
PLBC	baz=262,SNR=86	S	Sn	17 06 33.5	-2.3
I29M	Ogilvie Camp,	8.50	47	Pn	Pn
I29M	Ogilvie Camp,	8.50	47	P	Pn
I29M	baz=240,SNR=271	S	Sn	17 06 31.9	-4.0
D19K	Kuna River	8.54	348	Pn	Pn
D19K	Kuna River	8.54	348	P	Pn
E25K	Arctic Village	8.55	19	Pn	Pn
E25K	Arctic Village	8.55	19	Pn	Pn
TOLK	Toolik Lake Re	8.56	9	Pn	Pn
TOLK	Toolik Lake Re	8.56	9	Pn	Pn
N31M	Braeburn, Yuko	8.56	74	Pn	Pn
N31M	Braeburn, Yuko	8.56	74	Pn	Pn
N31M	baz=265,SNR=26	S	Sn	17 05 04.0	+1.3
TNA	Tin City	8.57	315	Pn	Pn
TNA	Tin City	8.57	315	Pn	Pn
D20K	Etivuk River	8.62	352	Pn	Pn
D20K	Etivuk River	8.62	352	P	Pn
D17K	Noatak River	8.64	334	Pn	Pn
D17K	Noatak River	8.64	334	Pn	Pn
D22K	Aiykyak River	8.66	1	Pn	Pn
D22K	Aiykyak River	8.66	1	Pn	Pn
MAYO	Mayo, Yukon	8.79	60	Pn	Pn
D23K	Nanushuk River	8.81	6	Pn	Pn
D23K	Nanushuk River	8.81	6	Pn	Pn
J30M	Hart River	8.91	54	Pn	Pn
J30M	Hart River	8.91	54	Pn	Pn
J30M	baz=248,SNR=278	S	Sn	17 05 07.7	-0.4
H29M	Whitestone	8.94	42	Pn	Pn
H29M	Whitestone	8.94	42	Pn	Pn
C21K	Knifeflake Rid	8.96	356	Pn	Pn
C21K	Knifeflake Rid	8.96	356	Pn	Pn
S31K	Pelican	9.00	97	Pn	Pn
S31K	Pelican	9.00	97	Pn	Pn
SKAG	Skagway	9.00	87	Pn	Pn

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SKAG	Skagway	9.00	87	P	Pn
SKAG	Skagway	9.00	87	P	Pn
WHY	Whitese	9.04	80	Pn	Pn
WHY	Whitese	9.04	80	Pn	Pn
WHY	baz=275,SNR=37	S	Sn	17 06 46.0	-3.2
R31K	City Hall, Gus	9.09	94	Pn	Pn
R31K	City Hall, Gus	9.09	94	Pn	Pn
C18K	Utukok River	9.10	341	Pn	Pn
C18K	Utukok River	9.10	341	Pn	Pn
C18K	baz=154	S	Sn	17 06 51.0	+0.4
D24K	Happy Valley	9.12	10	Pn	Pn
D24K	Happy Valley	9.12	10	Pn	Pn
I30M	Mount Dempster	9.15	50	Pn	Pn
I30M	Mount Dempster	9.15	50	Pn	Pn
AKSA	Akutan Strait	9.15	233	Pn	Pn
AKUT	Akutan	9.19	234	Pn	Pn
AKUT	Akutan	9.19	234	Pn	Pn
M31M	Drury Creek, Y	9.25	70	Pn	Pn
M31M	Drury Creek, Y	9.25	70	Pn	Pn
C19K	Lookout Ridge	9.29	346	Pn	Pn
C19K	Lookout Ridge	9.29	346	Pn	Pn
C19K	baz=160	S	Sn	17 05 57.1	+2.0
C17K	DeLong Mountai	9.31	337	Pn	Pn
C17K	DeLong Mountai	9.31	337	Pn	Pn
C17K	baz=147,SNR=7.8	S	Sn	17 06 57.4	+1.9
AKRB	Akutan Reef Bi	9.31	234	Pn	Pn
F28M	Old Crow	9.39	33	Pn	Pn
F28M	Old Crow	9.39	33	Pn	Pn
GAMB	Gambell	9.39	300	Pn	Pn
GAMB	Gambell	9.39	300	Pn	Pn
E27K	Coleen River	9.40	27	Pn	Pn
E27K	Coleen River	9.40	27	Pn	Pn
SPIA	Saint Paul Is	9.41	258	Pn	Pn
B21K	Ikikpuk River	9.42	357	Pn	Pn
B21K	Ikikpuk River	9.42	357	Pn	Pn
G29M	Pine Creek	9.46	39	Pn	Pn
G29M	Pine Creek	9.46	39	Pn	Pn
BESE	Bessie Mountai	9.47	92	Pn	Pn
D25K	Kavik River	9.54	15	Pn	Pn
D25K	Kavik River	9.54	15	Pn	Pn
EPYK	Eagle Plains	9.58	43	Pn	Pn
EPYK	Eagle Plains	9.58	43	Pn	Pn
C16K	Lisburne Hills	9.61	332	Pn	Pn
C16K	Lisburne Hills	9.61	332	Pn	Pn
MTBL	Makushin Table	9.67	235	Pn	Pn
C23K	Itkillik River	9.68	5	Pn	Pn
C23K	Itkillik River	9.68	5	Pn	Pn
C24K	Franklin Bluff	9.68	9	Pn	Pn
C24K	Franklin Bluff	9.68	9	Pn	Pn
UNV	Unalaska Valle	9.69	234	Pn	Pn
UNV	Unalaska Valle	9.69	234	Pn	Pn
UNV	Unalaska Valle	9.69	234	Pn	Pn
FARO	Faro, Yukon	9.74	70	Pn	Pn
FARO	Faro, Yukon	9.74	70	Pn	Pn
R32K	Eaglecrest	9.74	94	Pn	Pn
R32K	Eaglecrest	9.74	94	Pn	Pn
MSW	Makushin Switc	9.76	235	Pn	Pn
P32M	Atlin	9.78	85	Pn	Pn
P32M	Atlin	9.78	85	Pn	Pn
JIS	Juneau Island	9.81	93	Pn	Pn
JIS	Juneau Island	9.81	93	Pn	Pn
SIT	Sitka	9.82	101	Pn	Pn
SIT	Sitka	9.82	101	Pn	Pn
B18K	Kokolik River	9.84	342	Pn	Pn
B18K	Kokolik River	9.84	342	Pn	Pn
N32M	Quiet Lake	9.87	76	Pn	Pn
B20K	Meade River	9.93	352	Pn	Pn
B20K	Meade River	9.93	352	Pn	Pn
S32K	Killisnoo	10.01	98	Pn	Pn
S32K	Killisnoo	10.01	98	Pn	Pn
G30M	Aoah Zrail Nji	10.08	41	Pn	Pn
G30M	Aoah Zrail Nji	10.08	41	Pn	Pn
P33M	Teslin, Yukon	10.11	81	Pn	Pn
P33M	Teslin, Yukon	10.11	81	Pn	Pn
B22K	Teshhepkuk Lake	10.13	359	Pn	Pn
B22K	Teshhepkuk Lake	10.13	359	Pn	Pn
H31M	Peel River	10.16	49	Pn	Pn
H31M	Peel River	10.16	49	Pn	Pn
E28M	Babbage River	10.21	29	Pn	Pn
E28M	Babbage River	10.21	29	Pn	Pn
C26K	Camden Bay	10.29	16	Pn	Pn
D27M	Malcolm River	10.39	25	Pn	Pn
E29M	Blow River	10.47	32	Pn	Pn
A19K	Wainwright	10.51	345	Pn	Pn
F30M	Barrier River	10.58	39	Pn	Pn
Q32M	Nakina River	10.65	88	Pn	Pn
G31M	Satah River	10.70	43	Pn	Pn
A22K	Sinclair Lake	10.82	357	Pn	Pn
D28M	Stokes Point	10.95	28	Pn	Pn
T33K	Petersburg	11.09	99	Pn	Pn
F31M	Tsigichtochic	11.14	42	Pn	Pn
F31M	Tsigichtochic	11.14	42	Pn	Pn
R33M	Jennings River	11.19	85	Pn	Pn
A21K	Barrow	11.20	354	Pn	Pn
NIKH	Nikolski High	11.29	237	Pn	Pn
U33K	Whale Pass	11.34	103	Pn	Pn
U33K	Whale Pass	11.34	103	Pn	Pn
S34M	Telegraph Cree	11.55	92	Pn	Pn
WRAK	Wrangell Islan	11.57	100	Pn	Pn
WRAK	Wrangell Islan	11.57	100	Pn	Pn
CRAG	Craig	11.67	105	Pn	Pn
CR					

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like MA2 Magadan, EGMT Eagleton, BOZ Bozeman, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like LRMC Laurel Mtn Rad, SBC Santa Barbara, SHPR Sheep Range, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like SPA0 Spitsbergen Ar, SPITS Spitsbergen Ar, MSTX Muleshoe, etc.

CHM	Chimkent	71.95 328	eP	P	17 14 09.6	0.0
CHM	Chimkent	71.95 328	eP	P	17 14 09.6	0.0
CHM	Chimkent	71.95 328	eP	P	17 14 09.6	0.0
MOTA	Moosalm	71.99 11	eP	P	17 14 09.7	-0.3
IUG	Iuzhny	71.99 328	iP	P	17 14 10.6	+0.5
IUG	Iuzhny	71.99 328	iP	P	17 14 10.5	+0.5
IUG	Iuzhny	71.99 328	iP	P	17 14 10.5	+0.5
WATA	Waiderm	72.05 11	eP	P	17 14 10.5	+0.1
RONA	Rosalia, Austr	72.06 7	eP	P	17 14 11.9	+1.7
WTTA	Wattenberg	72.12 11	eP	P	17 14 10.1	-0.8
SQTA	Sankt Quirin	72.12 11	eP	P	17 14 09.9	-0.8
FETA	Feichten	72.28 12	eP	P	17 14 11.9	+0.2
KBA	Koelbreinsper	72.46 10	eP	P	17 14 13.3	+0.5
ABTA	Abfaltersbach	72.71 10	eP	P	17 14 15.3	+1.1
KSH	Kashi	72.73 322	P	P	17 14 17.3	+2.8
KSH	Kashi	72.73 322	P	P	17 14 17.3	+2.8
KSH	Kashi	72.73 322	P	P	17 14 17.3	+2.8
SOKA	Soboth	72.99 8	eP	P	17 14 17.2	+1.4
OBKA	Obir	73.12 9	eP	P	17 14 17.2	+0.6
GOF	Gofitskoye	74.21 348	ceP	P	17 14 22.9	0.0
PZH	Panzhihua	74.44 296	P	P	17 14 25.6	+1.0
PZH	Panzhihua	74.44 296	P	P	17 14 25.6	+1.0
KIV	Kislovodsk	75.34 348	eP	P	17 14 29.7	+0.2
KIV	Kislovodsk	75.34 348	eP	P	17 14 29.7	+0.2
KBZ	Khabaz	75.54 348	iP	P	17 14 30.9	+0.4
KBZ	Khabaz	75.54 348	iP	P	17 14 30.9	+0.4
KBZ	Khabaz	75.54 348	iP	P	17 14 30.9	+0.4
NCK	Nalchik	75.70 348	iP	P	17 14 32.1	+0.6
NCK	Nalchik	75.70 348	iP	P	17 14 32.1	+0.6
LSA	Lhasa	76.16 306	P	P	17 14 36.0	+1.1
LSA	Lhasa	76.16 306	P	P	17 14 36.0	+1.1
ZEI	Tsey	76.36 347	eP	P	17 14 27.5	-0.8
ZEI	Tsey	76.36 347	eP	P	17 14 27.5	-0.8
ZKTA	Zakatala	77.17 345	P	P	17 14 40.9	+1.1
ESDC	Sonsek Array	77.25 24	P	P	17 14 40.1	-0.2
SEKA	Sheki	77.52 344	P	P	17 14 42.1	+0.3
MNGR	Mingechevir, A	77.96 344	P	P	17 14 44.5	+0.4
GANU	Ganja	78.19 345	P	P	17 14 45.2	+0.2
GEYT	Alibek	78.84 335	P	P	17 14 49.2	+0.1
TAPN	Taplejung	79.62 308	eP	P	17 14 54.1	+0.3
NAX	Nakhchivan	79.74 345	P	P	17 14 54.4	+0.4
LKRN	Lenkeran, Azer	79.75 343	P	P	17 14 54.4	+0.5
GUN	Gumba	79.83 310	eP	P	17 14 55.3	+0.3
BAUV	Ei Baul	79.87 90	P	P	17 14 53.3	-1.6
JIRN	Jiri	79.94 309	eP	P	17 14 56.1	+0.5
KKN	Kakani	80.17 310	eP	P	17 14 56.9	+0.2
ODAN	Odare	80.18 308	eP	P	17 14 57.2	+0.4
BR131	Keskin Array S	80.22 355	iP	P	17 14 56.6	0.0
BRTR	Keskin Array B	80.22 355	P	P	17 14 56.4	-0.3
GKN	Gorkha	80.22 311	eP	P	17 14 57.4	+0.5
DANN	Dangsing	80.24 311	eP	P	17 14 57.5	+0.4
PKIN	Phulchok	80.31 310	eP	P	17 14 57.4	-0.1
PKI	Pulchoki	80.32 310	eP	P	17 14 57.9	+0.3
RAMN	Ramite	80.41 309	eP	P	17 14 58.3	+0.3
PYUN	Piuthan	80.75 312	eP	P	17 15 00.3	+0.5
KOLN	Koldanda	80.82 311	eP	P	17 15 00.2	+0.1
CMAR	Chiang Mai Arr	82.69 294	iP	P	17 15 09.5	-0.3
CMAR	Chiang Mai Arr	82.69 294	iP	P	17 15 09.5	-0.3
CMAR	Chiang Mai Arr	82.69 294	iP	P	17 15 09.5	-0.3
CTA	Charters Tower	93.78 235	P	P	17 16 02.0	-0.6
ASAR	Alice Springs	102.23 244	P	P	17 16 39.5	-1.2
KMBO	Kilima Mbogo	120.48 346	PKP	PKP	17 21 36.6	-0.4
VNDA	Vanda	140.30 194	PKP	PKP	17 22 12.1	0.0
BOSA	Boshof	148.34 3	PKP	PKP	17 22 30.2	+2.5
QSPA	South Pole Poles	150.06 180	PKP	PKP	17 22 27.9	-1.3
QSPA	South Pole Poles	150.06 180	PKP	PKP	17 22 34.9	+0.6

cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Triangular moment-rate function.
 ISC 05 17:32:59.0, 0.3, 64.87N, 0.05:173:10W, 0.03, h10km, mb31, 1.49/48/640, mb4.7/104, MS4.0/72, 4C-1D, Eastern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
GAMB	Gambell	1.25	150	Op	17 33 21.4	+1.0
GAMB	Gambell	1.25	150	P	17 33 21.6	-0.9
TNA	Tin City	2.29	70	P	17 33 37.5	+0.8
TNA	Tin City	2.29	70	P	17 33 35.9	-0.8
F14K	Arctic Creek	2.92	75	P	17 33 45.2	-0.3
F14K	Arctic Creek	2.92	75	P	17 33 45.0	-0.5
ANMR	Nome	3.33	92	Pn	17 33 50.4	-0.7
ANMR	Nome	3.33	92	P	17 33 50.8	-0.2
ANMR	Nome	3.33	92	P	17 33 50.4	-0.7
F15K	North Star Dit	3.65	73	IAML	17 34 54.4	
F15K	North Star Dit	3.65	73	IAML	17 34 54.4	
F15K	North Star Dit	3.65	73	IAML	17 34 54.4	
G15K	Niukluk	3.86	84	P	17 33 58.0	+0.5
G15K	Niukluk	3.86	84	P	17 33 58.0	-0.4
ANMR	Anadyr	4.02	272	eP	17 34 00.9	+0.4
G16K	Koyuk River	4.57	78	P	17 34 07.7	-0.4
G16K	Koyuk River	4.57	78	IAML	17 35 28.1	
G16K	Koyuk River	4.57	78	P	17 35 34.8	
C16K	Elmire Hills	4.62	39	P	17 34 07.5	-0.5
H16K	Elim	4.66	88	P	17 34 09.3	0.0
H16K	Elim	4.66	88	P	17 34 09.0	-0.3
J14K	Nanvaranak Lok	4.73	112	P	17 34 09.9	-0.4
K13K	Kusivak Mount	4.80	124	P	17 34 10.9	-0.4
D17K	Noatak River	4.94	50	P	17 34 12.4	-0.8
F17K	Baldwin Pennin	5.15	67	P	17 34 15.5	-0.5
G17K	Kiwaliik Mounta	5.29	77	P	17 34 17.6	-0.3
C17K	Delong Mountai	5.35	43	P	17 34 18.4	-0.5
I17K	Unalakleet	5.47	95	Pn	17 34 20.7	+0.2
I17K	Unalakleet	5.47	95	P	17 34 20.6	+0.2
M11K	Mekoryuk	5.51	142	P	17 34 21.1	+0.2
M11K	Mekoryuk	5.51	142	P	17 34 21.0	+0.2
H17K	Granite Mounta	5.62	83	Pn	17 34 22.3	-0.1
H17K	Granite Mounta	5.62	83	P	17 34 22.3	-0.1
E18K	Tukpahleirik C	5.68	58	Pn	17 34 23.8	+0.4
E18K	Tukpahleirik C	5.68	58	P	17 34 23.0	-0.3
J16K	Anvik River	5.71	100	Pn	17 34 24.0	+0.3
J16K	Anvik River	5.71	100	P	17 34 23.8	+0.1
K15K	Wolf Creek Moun	5.77	111	Pn	17 34 24.4	-0.2
K15K	Wolf Creek Moun	5.77	111	P	17 34 24.7	+0.1
L14K	Kuka Creek	5.90	122	P	17 34 26.4	+0.1
L14K	Kuka Creek	5.90	122	P	17 34 26.5	+0.1
C18K	Utukok River	6.05	46	Pn	17 34 28.7	+0.3
C18K	Utukok River	6.05	46	P	17 34 28.0	-0.4
G18K	Tagagawik	6.13	74	Pn	17 34 29.2	-0.2
G18K	Tagagawik	6.13	74	P	17 34 28.9	-0.5
L15K	Unalak Mounta	6.14	116	P	17 34 29.6	0.0
H18K	Honhosa River	6.25	81	Pn	17 34 31.2	0.0
H18K	Honhosa River	6.25	81	P	17 34 31.0	-0.2
B18K	Kokolik River	6.30	39	P	17 34 31.5	-0.3
J17K	VABM Dome	6.31	97	Pn	17 34 33.1	+1.1
J17K	VABM Dome	6.31	97	P	17 34 33.1	+1.1
M13K	Dall Lake	6.33	130	Pn	17 34 33.3	+1.0
M13K	Dall Lake	6.33	130	P	17 34 33.2	0.0
M14K	Bethel	6.56	124	P	17 34 35.7	+0.3
M14K	Bethel	6.56	124	P	17 34 35.6	+0.3
F19K	Shalerucik Mo	6.59	66	Pn	17 34 36.2	+0.5
F19K	Shalerucik Mo	6.59	66	P	17 34 36.1	+0.3
G19K	Purcell Mounta	6.78	72	Pn	17 34 38.0	-0.4
G19K	Purcell Mounta	6.78	72	P	17 34 37.8	-0.6
C19K	Lookout Ridge	6.79	45	P	17 34 37.8	-0.7
C19K	Lookout Ridge	6.79	45	P	17 34 38.7	-0.7
K17K	Iditarod	6.90	101	Pn	17 34 40.6	+0.6
K17K	Iditarod	6.90	101	P	17 34 40.5	+0.5
L16K	Owhat River	6.91	111	P	17 34 40.5	+0.4
L16K	Owhat River	6.91	111	P	17 34 40.5	+0.4
GCSA	Galena City Sc	6.93	84	P	17 34 41.1	+0.7
E19K	Redstone River	6.93	61	Pn	17 34 40.8	+0.3
E19K	Redstone River	6.93	61	P	17 34 41.1	+0.6
D19K	Kuna River	6.97	52	Pn	17 34 41.3	+0.3
D19K	Kuna River	6.97	52	P	17 34 40.8	-0.1
H19K	Roundabout Mou	7.04	77	Pn	17 34 42.0	+0.1
H19K	Roundabout Mou	7.04	77	P	17 34 41.9	+0.1
M15K	Kasigulik River	7.06	121	P	17 34 42.8	+0.6
L17K	Donlin	7.16	106	P	17 34 44.4	+0.7
N14K	Kuskokwak Cree	7.25	128	P	17 34 45.2	+0.3
J18K	Innoko River	7.29	94	Pn	17 34 46.4	+0.9
J18K	Innoko River	7.29	94	P	17 34 46.0	+0.5
F20K	Avaraat Lake	7.42	65	Pn	17 34 48.3	+1.2
F20K	Avaraat Lake	7.42	65	P	17 34 47.7	+0.5
M16K	Timber Creek	7.51	114	Pn	17 34 49.4	+1.1
M16K	Timber Creek	7.51	114	P	17 34 49.2	+0.9
E20K	Nigu River	7.54	56	P	17 34 49.5	+0.6
D20K	Etiwuk River	7.56	52	P	17 34 49.2	+0.1
J19K	Poorman	7.61	89	Pn	17 34 50.4	+0.6
J19K	Poorman	7.61	89	P	17 34 50.3	+0.5
N15K	Kwethluk River	7.63	122	Pn	17 34 51.3	+1.2
N15K	Kwethluk River	7.63	122	P	17 34 50.9	+0.8
H20K	Anotleneega Mo	7.69	77	P	17 34 51.2	+0.3
TTA	Tatalina	7.78	97	Pn	17 34 53.6	+1.4
TTA	Tatalina	7.78	97	P	17 34 53.2	+1.0
TTA	Tatalina	7.78	97	P	17 34 53.6	+1.4
L18K	Granite Mounta	7.79	102	Pn	17 34 53.8	+1.6
L18K	Granite Mounta	7.79	102	P	17 34 53.0	+0.8
SPIA	Saint Paul Isl	7.84				

5d 17h

Table with columns for station ID, name, frequency, and other technical details. Includes stations like H24K Noodor Dome, C24K Franklin Bluff, P19K Oil Pt, etc.

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Table with columns for station ID, name, frequency, and other technical details. Includes stations like M26K Nabesna, F28M Old Crow, G24K Katmai Hdrsc, etc.

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Table with columns for station ID, name, frequency, and other technical details. Includes stations like C36M Paulatuk, Q32M Nakina River, R33M Jennings River, etc.

Table with columns: MORC, MORV, STHS, ZVC, LANS, KOLS, VRAC, KRUC, KHC, JAVC, GERES, CONA, MOA, RONA, BIOA, MAK, KIV, WATA, MOTA, ANN, KBZ, WTTA, SQTA, NCK, KBA, FETA, SOKA, DOVX, OBKA, ZEI, MLR, TEIG, GEYT, GNI, CMAR, BRTR, DAV, IDI, KEST, MMAI, JTS, MDT, EIL, RAR, RDV, DZM, CTA, PALK, WRA, RAO. Each row contains station name, coordinates, and various status indicators.

Table with columns: ASAR, GSPA, IDC, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station names like Alice Springs, South Pole, and various IDC coordinates.

Table with columns: LSA, JIRN, PKI, PKIN, GUN, GKN, DANN, PYUN, GTA, BRTR, BDFB, TXAR, ILAR, ARCES, BVAR, CGJI, UGM, KASI, WJOI, LWLI, MNAI, GMJI, JAGI, SRBI, TWSI, PLAI, GIRL, BATI, MBWA, H01W, H02W, CMAR, WRA, ASAR, H0S2, H0S3, H0S4, STKA, TAPN, RAMN, LSA. Includes station names and various status indicators.

5d 19h

Table with columns: AC05, El Transito, 2.05 42 i P, Pn, 18 51 04.5 +1.3, 0.6nm, 0.6s, baz=64, slow=9.8, SNR=4.2

IDC 05 18:53:28.9.3.1, 3.06S:129.47E, h0km, mb3.5/2, mbtm3.6/3, ML3.0/1, Error ellipse: s-maj=235.3km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, WRA Warramunga Arr 17.44 165 P, Pn, 18 57 32.5 -1.2

KRSK 05 19:12:21.7.0.6.55:15N:160.74E, h6km, 5km, M14.0

IDC 05 19:12:27.7.3.6.55:12N:160.31E, h40km, 33km, mb3.4/10, mbtm3.6/11, ML2.2/1, MS2.9/1, Error ellipse: s-maj=24.8km s-min=12.1km az=155.0

ISC 05 19:12:22.4.1.2.55:14N:0.03:160.63E:0.04, h8km, 7km, n48, r131/52, mb3.8/10, Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, TUMD Tumrok D 0.15 295 P, Pn, 19 12 25.6 +0.1

KRMR Karmyshinsky 2.75 214 P, Pn, 19 13 08.0 +1.4

Table with columns: RUS Ruskaya 2.99 206 P, Pn, 19 13 11.2 +3.0, GRL Gorelyy 3.00 211 P, Pn, 19 13 13.1 -3.0

Table with columns: NVAR Mina Array Bea 54.77 72 P, P, 19 21 55.0 +2.5, TXAR Lajitas Array 69.56 68 P, P, 19 23 34.2 +2.5

IDC 05 19:24:03.2.1.1, 1.73N:94.76W, h0km, mb3.9/10, mbtm3.9/12, ML3.9/2, MS3.6/10, Error ellipse: s-maj=30.6km s-min=12.1km az=66.0

MEX 05 19:24:08.9.1.2.15:62N:95W, h18km, 36km, MD4.6

NEIC 05 19:24:08.3.2.9, 1.5:66N:0.07:94.99W:0.04, h45km, 14km, mb4.2/21, MD4.6(MEX), Error ellipse: s-maj=10.8km s-min=5.9km az=184.0

ISC 05 19:24:06.2.1.4, 15.64N:0.04:94.95W:0.02, h2km, 11km, n127, r285/179, mb4.2/13, MS3.5/8, Near coast of Oaxaca

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

Table with columns: ARIG Demacu 6.05 321 eS, Sn, 19 26 30.8 -5.7, DEIG Demacu 6.05 321 e, Pb, 19 25 46.8 -4.3

Table with columns: ORMA Rio Macho 12.29 117 Pn, 19 27 05.3 +5.4, SRBA San Rafael, Bu 12.98 118 Pn, 19 27 10.9 +2.2

Table with columns: MNHN Monahans 17.18 337 P, Iamb, 19 28 04.7 -0.1, PLPT Palo Pinto 17.37 350 Iamb, 19 28 06.9 -0.1

Table with columns: ANMO Albuquerque 21.83 334 P, Iamb, 19 28 58.1 +1.0, GUY2 Cuyana, Caldas 21.84 116 eP, P, 19 29 00.7 +3.1

Table with columns: CHV Chingaza 23.55 115 eP, LR, 19 29 58.6 +3.2, SDH Santo Domingo 24.67 103 LR, 19 30 49.2

Table with columns: YBH Yreka Blue Hor 35.34 323 LR, LR, 19 46 56.1, LPAZ La Paz 41.31 139 P, P, 19 31 51.7 +0.8

IDC 05 19:34:02.5.1.0, 28.44N:52.68E, h0km, mb3.9/16, mbtm3.8/18, ML3.3/2, MS3.3/1, Error ellipse: s-maj=22.2km s-min=18.6km az=7.0

TEH 05 19:34:05.7, 28.49N:52.73E, h12km, 20km, ML3.5

OMAN 05 19:34:08.3.0.1, 27.48N:52.03E, h4km, 2km, mb5.4/4, mb3.5/12, ms2.1/1, Error ellipse: s-maj=5.8km s-min=1.2km az=347.0

DSN 05 19:34:09.2.1.0, 28.29N:52.92E, h10km, ML3.2/10, Error ellipse: s-maj=15.5km s-min=8.4km az=26.0

ISC 05 19:34:05.4.0.5, 28.46N:0.04:52.72E:0.03, h16km, n101, r186/113, mb3.8/16, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, QIR1 Qir 0.28 86 Op, ISC, 19 34 10.7 -0.8

5d 20h

Table with columns: YMR, comp=N, J20nm, 0.8s, IAML, 19 59 24.9, YNR, Norris Junction, 2.19 14, Pn, 19 58 48.9 +0.6, YHD, Holmes Hill, 2.24 11, Pn, 19 58 50.3 +1.4, HLID, Hailey, 2.39 295, Pn, 19 58 51.9 +1.0, HLID, comp=N, 175nm, 0.5s, IAML, 19 59 29.1, RDMU, Red Mountain, 2.46 145, IAML, Pn, 19 58 53.4 +1.6, RDMU, comp=N, 260nm, 0.8s, IAML, 19 59 27.9, RDMU, comp=E, 292nm, 0.8s, IAML, 19 59 27.9, MPU, DUG, 2.58 183, Pn, Pn, 19 58 54.3 +0.9, MPU, Dugway, 2.61 204, Pn, Pn, 19 58 54.1 +0.3, DUG, comp=E, 129nm, 1.0s, IAML, 19 59 46.0, NLU, North Lily Min, 2.68 191, Pn, Pn, 19 58 55.5 +0.7, NLU, Butcher Ranch, 3.18 170, Pn, Pn, 19 59 00.9 -0.6, P17A, Rawlins, 3.27 105, Pn, Pn, 19 59 04.8 +1.8, RWWY, Trail Mountain, 3.29 177, Pn, Pn, 19 59 04.4 +1.5, TMUT, comp=N, 164nm, 0.7s, IAML, 20 00 01.7, MFID, Camas Ranch, 3.33 286, Pn, Pb, 19 59 08.2 -2.4, MFID, comp=N, 158nm, 0.8s, IAML, 20 00 00.1, MFID, comp=N, 120nm, 0.8s, IAML, 20 00 01.6, ELK, Elk, 3.39 238, Pn, Pn, 19 59 05.4 +0.7, ELK, comp=N, 59nm, 0.5s, IAML, 19 59 04.4 -0.9, O20A, White River Ci, 3.43 135, Pn, Pn, 19 59 10.7 +2.8, K22A, Casper, 3.62 87, Pn, IAML, 20 00 08.3, K22A, comp=E, 132nm, 0.7s, IAML, 20 00 12.6, ELMT, 4.00 349, Pn, Pn, 19 59 15.8 +2.7, TCRU, Three Creeks R, 4.05 191, IAML, 20 00 26.5, TCRU, comp=N, 45nm, 0.8s, IAML, 20 00 32.5, MSU, Marysvalle, 4.11 188, Pn, Pn, 19 59 17.6 +3.0, MVU, Marysvalle, 4.12 189, Pn, Pn, 19 59 17.6 +2.8, PLID, Pearl Lake, 4.14 309, Pn, Pn, 19 59 19.2 +4.2, N23A, Red Feather La, 4.44 111, Pn, Pn, 19 59 19.4 +0.2, PSUT, Pine Spring, 4.45 205, Pn, Pn, 19 59 21.1 +1.8, PSUT, comp=N, 25nm, 1.0s, IAML, 20 00 38.9, PSUT, comp=N, 24nm, 0.9s, IAML, 20 00 59.2, CHMT, Chamberlain Me, 4.51 344, Pn, Pn, 19 59 22.7 +2.6, PHWY, Pilot Hill, 4.64 104, IAML, 20 00 41.2, BMO, Blue Mountains, 4.82 300, IAML, Pn, 19 59 25.0 +0.8, BMO, comp=E, 19nm, 1.8s, IAML, 20 00 51.5, BMO, comp=E, 18nm, 1.2s, IAML, 20 00 58.4, CCUT, Cedar City, 5.25 197, Pn, Pn, 19 59 31.0 +0.8, R11B, Troy Canyon, C, 5.29 218, Pn, IAML, 19 59 32.7 +2.0, R11B, comp=E, 18nm, 1.0s, IAML, 20 01 04.0, RSSD, Black Hills, 5.61 72, Pn, Pn, 19 59 35.0 -0.1, MVCC, Mesa Verde, 5.83 156, Pn, Pn, 19 58 18.9 +0.8, NVAR, Mina Array Bea, 6.68 234, Pn, Pn, 19 59 50.1 +0.2, NVAR, comp=N, 0.1nm, 0.3s, baz=52, slow=13, SNR=3.2, Lg, 20 01 36.2, ULM, Lac du Bonnet, 13.17 49, Pn, Pn, 20 01 17.9 -0.5, ULM, comp=N, 2.6nm, 0.8s, IAML, 20 01 37.9 -0.8, TXAR, Lajitas Array, 14.64 152, Pn, Pn, 20 01 37.9 -0.8, TXAR, comp=N, 0.2nm, 0.7s, baz=342, slow=11, SNR=2.2

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Table with columns: TAO2, comp=Z, 571nm, 0.1s, IAML, 20 02 53.7, PB15, IPOC Station P, 2.04 207, eP, Pn, 20 02 24.5 -0.3, PB15, 2.02 53.1, eS, Sn, 20 02 53.1 +1.0, PB15, comp=Z, 912nm, 0.2s, IAML, 20 02 56.0, PB15, IPOC Station P, 2.04 207, eP, Pn, 20 02 25.0 +0.2, PB15, 2.02 52.8, eS, Pn, 20 02 52.8 +0.7, YJA, Yavi, 2.86 107, eP, Pn, 20 02 34.6 -0.5, PB16, IPOC Station P, 3.18 342, eP, Pn, 20 02 40.2 +0.8, PB16, 3.18 342, eS, Sn, 20 03 24.1 +6.1, PB12, IPOC Station P, 3.26 327, eP, Pn, 20 02 38.9 -1.0, PB12, 3.26 327, eS, Pn, 20 03 14.1 -5.0, PB12, IPOC Station P, 3.26 327, eP, Pn, 20 02 38.9 -1.0, PB14, IPOC Station P, 3.69 208, eP, Pn, 20 02 44.8 -0.8, PB14, 3.69 208, eS, Sn, 20 03 43.8, comp=Z, 39nm, 0.3s, IAML, 20 02 47.3 -1.1, GO02, Mina Guanaco, 3.90 195, eP, Pn, 20 02 48.0 -0.5, GO02, Mina Guanaco, 3.90 195, eP, Pn, 20 02 48.0 -0.5, AZAP, Zapla, 4.23 133, eP, Pn, 20 02 51.9 -0.8, LPAZ, La Paz, 5.08 4, eP, Pn, 20 03 06.0 +1.8, LPAZ, La Paz, 5.08 4, eP, Pn, 20 03 04.8 +0.6, LPAZ, comp=Z, 2.5nm, 0.3s, baz=162, slow=4.6, SNR=14, S, Sn, 20 03 59.9 -2.7, LPAZ, comp=Z, 1.8nm, 0.8s, baz=156, slow=20, SNR=0.9, P, 20 13 26.5 +0.3, TORD, Toridi Ar. Bea, 76.93 70, I, P, 20 13 26.5 +0.3, TORD, comp=Z, 0.4nm, 0.4s, baz=258, slow=5.3, SNR=9.9, S, Sn, 20 13 26.5 +0.3, MKAR, Makanchi Array, 145.30 36, PKPbc, PKPbc, 20 21 09.5 -0.4, MKAR, comp=Z, 0.4nm, 0.7s, baz=321, slow=1.3, SNR=3.7, S, Sn, 20 21 09.5 -0.4, DJA 05 20:05:57.6:0.5, 9'S:5.12'42"E, h105km, gkm, M3.1/6, mb3.5/3, MLV2.9/6, Timor region, Code Station Name Δ° AZ° Phase ID Time Res h m s ISC, SOEI, Soe, 1.02 182, Op, Pn, 20 06 19.3 +0.5, SOEI, 1.02 182, S, Sn, 20 06 34.4 -0.3, BATI, Baumata, 1.60 203, P, Pn, 20 06 25.5 +0.1, MMRI, Maumere, 2.05 272, P, Pn, 20 06 30.6 -0.4, EDFI, Ende, Flores, 2.59 269, P, Pn, 20 06 38.3 +0.1, PLAI, Plampang, 6.46 269, P, Pn, 20 07 30.1 -0.1, GTOI, Gorontalo, 9.39 352, P, Pn, 20 08 11.6 +1.5, TAP 05 20:11:26.6, 23°83'N; 121°82'E, h44km, ML3.2, C, JMA 05 20:11:26.1+0.1, 23°8'N; 0°4'121°9'E; 0.7, h37km, 2km, MV3.0/17, TAIWAN REGION, ISC 05 20:11:27.2-1.5, 23°81'N; 0°02'121°86'E; 0'02, h36km, 1km, n142, s1°04'25.6, 2C-5D, Taiwan, Code Station Name Δ° AZ° Phase ID Time Res h m s ISC, HWA, Hwalien, 0.29 306, Op, Pn, 20 11 34.9 -0.4, HWA, 0.29 306, S, Sn, 20 11 41.7 -0.4, HWA, baz=303, S, Sn, 20 11 41.7 -0.4, TEGC, Jichi Village, 0.31 252, P, Pn, 20 11 35.2 -0.1, TEGC, baz=245, I, S, Sn, 20 11 41.9 -0.1, TEGC, baz=245, I, S, Sn, 20 11 35.3 -0.5, TWD, Chiawan, 0.36 318, P, Pn, 20 11 41.8 -0.6, TWD, baz=318, S, Sn, 20 11 41.8 -0.6, ETM, Tongmen, 0.37 295, I, P, Pn, 20 11 35.5 -0.4, ETM, baz=299, S, Sn, 20 11 41.8 -0.7, ESL, Shilin, 0.39 271, I, P, Pn, 20 11 35.6 -0.6, ESL, baz=268, S, Sn, 20 11 42.5 -0.4, ETL, Fush Village, 0.41 328, I, P, Pn, 20 11 35.9 -0.6, ETL, baz=331, I, S, Sn, 20 11 43.0 -0.3, ETL, Guangu, 0.42 251, P, Pn, 20 11 36.0 -0.5, EGFF, Hualien, 0.42 251, S, Sn, 20 11 43.7 +0.3, EGFF, baz=255, S, Sn, 20 11 43.7 +0.3, NACB, Ninganchiao, 0.44 326, P, Pn, 20 11 36.1 -0.8, NACB, Ninganchiao, 0.44 326, I, P, Pn, 20 11 36.0 -0.8, NACB, baz=326, eS, Sn, 20 11 42.9 -0.9, NACB, baz=326, eS, Sn, 20 11 42.9 -0.9, WARBT, Fenglin Townsh, 0.44 258, I, P, Pn, 20 11 36.1 -0.8, WARBT, baz=255, S, Sn, 20 11 43.0 -0.9, WARBT, baz=255, S, Sn, 20 11 43.0 -0.9, LXIB, Xiulin Townshi, 0.46 298, I, P, Pn, 20 11 36.5 -0.8, LXIB, baz=289, I, S, Sn, 20 11 44.1 -0.5, HGSJ, Ruisui, 0.51 232, P, Pn, 20 11 37.2 -0.8, HGSJ, baz=224, eS, Sn, 20 11 48.1 +2.6, E0S4, E0S4, 0.52 53, I, P, Pn, 20 11 37.7 -0.1, E0S4, baz=65, S, Sn, 20 11 45.7 +0.4, E0S4, baz=65, S, Sn, 20 11 45.7 +0.4, ETLH, Xiulin Townshi, 0.53 319, I, P, Pn, 20 11 37.5 -0.9, ETLH, baz=321, I, S, Sn, 20 11 47.3 -0.8, EHY, Hungye, 0.58 239, I, P, Pn, 20 11 37.8 -1.2, EHY, baz=246, S, Sn, 20 11 46.3 -1.0, ECHN, Changbin, 0.62 218, P, Pn, 20 11 38.8 -0.8, ECHN, baz=207, S, Sn, 20 11 48.0 -0.2, ECBN, Nanau, 0.63 350, P, Pn, 20 11 38.8 -1.0, ECBN, baz=347, eS, Sn, 20 11 47.8 -0.7, ENA, ENA, 0.63 41, P, Pn, 20 11 39.6 0.0, ENA, baz=347, eS, Sn, 20 11 39.6 0.0, E0S3, E0S3, 0.63 41, P, Pn, 20 11 39.6 0.0, E0S3, baz=39, S, Sn, 20 11 49.4 +0.9, EWUT, Wuta, 0.64 353, I, P, Pn, 20 11 39.1 -0.8, EWUT, baz=348, I, S, Sn, 20 11 48.3 -0.5, EWUT, baz=348, I, S, Sn, 20 11 48.3 -0.5, WHF, Hehuan Shan, 0.64 302, I, S, Sn, 20 11 39.2 -1.1, WHF, baz=302, I, S, Sn, 20 11 48.1 -1.2, OWD, Renai, 0.64 283, I, P, Pn, 20 11 39.2 -0.9, OWD, baz=282, eS, Sn, 20 11 47.9 -1.1, OWD, baz=282, eS, Sn, 20 11 47.9 -1.1, VWDT, VWDT, 0.66 265, I, P, Pn, 20 11 39.5 -0.6, VWDT, baz=257, eS, Sn, 20 11 48.7 -0.6, VWDT, baz=257, eS, Sn, 20 11 48.7 -0.6, YULB, Yu-li, 0.66 231, P, Pn, 20 11 39.0 -1.2, YULB, Yu-li, 0.66 231, P, Pn, 20 11 39.0 -1.2, YULB, baz=237, S, Sn, 20 11 48.1 -1.2, EYUL, Yuli, 0.68 227, P, Pn, 20 11 39.8 -0.8, EYUL, baz=235, eS, Sn, 20 11 49.3 -0.4, EYUL, baz=235, eS, Sn, 20 11 49.3 -0.4, CHGB, Renai, 0.68 292, I, P, Pn, 20 11 39.8 -0.7, CHGB, baz=291, S, Sn, 20 11 49.3 -0.6, CHGB, baz=291, S, Sn, 20 11 49.3 -0.6, TWF1, Yuli, 0.69 229, I, P, Pn, 20 11 39.4 -1.1, TWF1, baz=236, eS, Sn, 20 11 48.6 -1.3, TWF1, baz=236, eS, Sn, 20 11 48.6 -1.3, E0S2, E0S2, 0.70 29, P, Pn, 20 11 40.6 +0.1, E0S2, baz=25, eS, Sn, 20 11 51.4 +1.5, E0S2, baz=25, eS, Sn, 20 11 51.4 +1.5, WUSB, Renai, 0.70 285, I, P, Pn, 20 11 40.2 -0.6, WUSB, baz=284, S, Sn, 20 11 49.9 -0.6, WUSB, baz=284, S, Sn, 20 11 49.9 -0.6, FUSS, Fushou, 0.71 308, I, P, Pn, 20 11 40.4 -0.6, FUSS, baz=316, S, Sn, 20 11 40.4 -0.6

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Table with columns: FUSS, baz=316, I, S, Sn, 20 11 50.3 -0.6, NNSB, Datong, 0.76 325, I, P, Pn, 20 11 40.8 -0.7, NNSB, baz=320, S, Sn, 20 11 50.9 -0.8, NNSH, Datong, 0.76 325, P, Pn, 20 11 40.9 -0.5, NNSH, baz=320, S, Sn, 20 11 51.1 -0.7, TWT, Tachien, 0.77 305, P, Pn, 20 11 41.4 +0.3, TWT, baz=311, S, Sn, 20 11 51.4 -0.7, TWT, baz=311, S, Sn, 20 11 51.4 -0.7, NNS, Nan Shan, 0.77 325, P, Pn, 20 11 41.1 -0.6, NNS, baz=321, S, Sn, 20 11 51.4 -0.8, TDCB, Tech, 0.78 305, P, Pn, 20 11 41.4 -0.5, TDCB, baz=311, eS, Sn, 20 11 50.8 -1.6, TDCB, baz=311, eS, Sn, 20 11 50.8 -1.6, LATG, Datong, 0.79 337, I, P, Pn, 20 11 41.0 -0.8, LATG, baz=339, I, S, Sn, 20 11 52.0 -0.6, TWC, Suao, 0.80 359, I, P, Pn, 20 11 41.6 -0.3, TWC, baz=11, I, S, Sn, 20 11 52.6 0.0, FULB, Full, 0.80 221, eP, Pn, 20 11 41.0 -0.9, FULB, baz=209, eS, Sn, 20 11 52.3 -0.4, FULB, baz=209, eS, Sn, 20 11 52.3 -0.4, SSSL, Suanglung, 0.83 269, P, Pn, 20 11 41.6 -0.8, SSSL, Suanglung, 0.83 269, P, Pn, 20 11 41.8 -0.7, SSSL, baz=267, eS, Sn, 20 11 41.8 -0.7, NDS, Dongshan, 0.83 351, eP, Pn, 20 11 42.1 -0.3, NDS, baz=348, eS, Sn, 20 11 53.3 -0.3, CHKT, Chengkung, 0.84 213, P, Pn, 20 11 41.1 -1.4, CHKT, baz=200, eS, Sn, 20 11 51.7 -1.9, WPL, Puli Township, 0.85 284, P, Pn, 20 11 42.2 -0.5, WPL, baz=283, S, Sn, 20 11 42.2 -0.5, NDT, Datong Townshi, 0.85 338, eP, Pn, 20 11 42.7 -0.3, NDT, baz=340, S, Sn, 20 11 53.4 -0.6, ENTT, Nioudou, 0.87 342, P, Pn, 20 11 42.4 +0.6, ENTT, baz=344, S, Sn, 20 11 54.1 -0.4, ENTT, baz=344, S, Sn, 20 11 54.1 -0.4, SMLT, Sun Moon Lake, 0.88 275, P, Pn, 20 11 42.8 -0.4, SMLT, baz=277, eS, Sn, 20 11 55.3 +0.4, EHD, Haiduan, 0.89 223, eP, Pn, 20 11 41.8 -1.5, EHD, baz=230, eS, Sn, 20 11 53.5 -1.4, WCS, Wang Elemen, 0.90 286, P, Pn, 20 11 43.0 -0.4, WCS, baz=285, eS, Sn, 20 11 43.0 -0.4, ECS, Chishang, 0.92 220, eP, Pn, 20 11 44.2 +0.5, ECS, baz=228, eS, Sn, 20 11 56.0 +0.3, TYC, Yuch, 0.92 276, eP, Pn, 20 11 43.2 -0.5, TYC, baz=275, eS, Sn, 20 11 43.2 -0.5, TWE, Neicheng, 0.93 349, P, Pn, 20 11 43.4 -0.3, TWE, baz=345, eS, Sn, 20 11 56.0 +0.3, WHYT, Xinyi Township, 0.93 263, P, Pn, 20 11 44.0 +0.2, WHYT, baz=257, eS, Sn, 20 11 57.5 +1.5, ILA, Ilan, 0.96 354, eS, Sn, 20 11 57.3 +0.8, ILA, baz=356, eS, Sn, 20 11 57.3 +0.8, WHP, Taichung City, 0.96 299, eP, Pn, 20 11 44.5 +0.3, WHP, baz=304, S, Sn, 20 11 56.6 -0.1, YHNB, Yeheng, 0.97 333, P, Pn, 20 11 44.0 -0.4, YHNB, Yeheng, 0.97 333, P, Pn, 20 11 43.9 -0.4, YHNB, baz=334, eS, Sn, 20 11 55.7 -1.2, EDH, Dohne, 0.98 212, P, Pn, 20 11 43.2 -1.2, EDH, baz=201, S, Sn, 20 11 55.1 -1.8, NSK, Sangung, 0.98 332, I, P, Pn, 20 11 44.0 -0.4, NSK, baz=204, eS, Sn, 20 11 56.4 -0.7, NSK, baz=334, eS, Sn, 20 11 56.4 -0.7, FUSB, Fushanzhiwuyua, 0.98 345, eP, Pn, 20 11 44.1 -0.4, FUSB, baz=337, eS, Sn, 20 11 56.8 -0.1, ELDTW, Lidau, 0.99 232, P, Pn, 20 11 43.6 -1.1, ELDTW, baz=229, S, Sn, 20 11 56.3 -1.2, ALS, Alishan, 1.01 253, P, Pn, 20 11 45.1 0.0, ALS, baz=251, S, Sn, 20 11 58.2 -0.1, NWLW, Wulai, 1.02 341, I, P, Pn, 20 11 45.0 -0.2, NWLW, baz=334, S, Sn, 20 11 57.7 -0.4, EGS, 1.03 4, eP, Pn, 20 11 45.6 +0.4, EGS, baz=7.0, S, Sn, 20 11 45.6 +0.4, WJS, Zhushan, 1.04 271, P, Pn, 20 11 46.0 +0.8, WJS, baz=270, eS, Sn, 20 12 01.5 +3.0, NFF, Wufeng Townshi, 1.06 321, eP, Pn, 20 11 45.8 +0.1, NFF, baz=321, S, Sn, 20 11 59.4 +0.1, WNT, Mingjian, 1.08 274, eP, Pn, 20 11 46.5 +0.8, WNT, baz=273, S, Sn, 20 12 00.9 +1.4, CHN5, Tsauling, 1.10 259, P, Pn, 20 11 46.5 +0.3, CHN5, baz=258, eS, Sn, 20 12 01.3 +1.0, LONT, Longtian, 1.12 217, eP, Pn, 20 11 44.9 -1.5, LONT, baz=214, eS, Sn, 20 11 58.9 -1.7, TWQ1, Liyuan, 1.13 299, P, Pn, 20 11 47.0 +0.4, TWQ1, baz=298, eS, Sn, 20 12 01.8 +1.0, NSTT, Nanjuang, 1.14 316, P, Pn, 20 11 47.3 +0.7, NSTT, baz=303, eS, Sn, 20 12 01.4 +0.5, NSTT, baz=303, eS, Sn, 20 12 01.4 +0.5, TCU, Taichung, 1.14 288, eP, Pn, 20 11 46.9 +0.3, TCU, baz=287, eS, Sn, 20 12 02.7 +1.8, LI0B, Emu, 1.14 317, P, Pn, 20 11 47.4 +0.8, LI0B, baz=304, eS, Sn, 20 12 01.9 +1.0, TIPB, Shuangxi, 1.16 358, P, Pn, 20 11 47.3 +0.4, TIPB, baz=349, S, Sn, 20 12 01.9 +0.3, NJD, Zhudong, 1.16 323, eP, Pn, 20 11 47.9 +1.0, NJD, baz=323, eS, Sn, 20 12 03.2 +1.6, NJD, baz=323, eS, Sn, 20 12 03.2 +1.6, JYNG, Yonagunijimaku, 1.18 57, P, Pn, 20 11 47.2 0.0, JYNG, Yonagunijimaku, 1.18 57, P, Pn, 20 12 01.8 -0.2, STYH, Taoyuan, 1.18 238, P, Pn, 20 11 47.1 -0.1, STYH, baz=235, eS, Sn, 20 12 02.4 +0.4, STYH, baz=235, eS, Sn, 20 12 02.4 +0.4, NHDH, Xindian Distri, 1.19 345, eP, Pn, 20 11 47.9 +0.5, NHDH, baz=338, eS, Sn, 20 11 47.9 +0.5

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NHDH, WKG, WGG, STYT, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like JKRS, PHUB, PNG, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SONM, MKAR, KURBS, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like CLL, MODS, KRUC, PRA, etc.

ROM 05:20:39:41.70.0.1, 42'31.2N, 0'004:43'13.0E, 0'006, h11km, ML1.0/6, 1.0, Error ellipse: s-maj=0.5km s-min=0.4km az=258.0, Central Italy

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like NRCA, MCG2, MMO1, etc.

DJA 05:20:47:02.40.4, 3'S, 4.12'E, h74km±11km, M3.8/10, mb4.1/4, MLV3.7/10, Seram

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like BNDI, NLA1, SORNG, etc.

IDC 05:20:54:21.5.2.5, 38'25N, 73'40E, h89km±22km, mb3.7/17, mtimp4.1/25, MS3.0/1, Error ellipse: s-maj=18.0km s-min=13.2km az=173.0

MOS 05:20:54:24.4.0.9, 38'49N, 73'47E, h124km, mb4.1/13, Error ellipse: s-maj=6.5km s-min=3.7km az=85.2

NEIC 05:20:54:25.6.1.6, 38'46N, 0'008:73'47E, 0.09, h126km, 10km, mb4.4/20, Error ellipse: s-maj=11.4km s-min=9.4km az=152.0

SOME 05:20:54:26.1.39'22N, 73'02E, h20km, BUI 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

NNC 05:20:54:28.2.4.0, 38'74N, 73'40E, h153km±53km, mb3.2, mpv3.6, Error ellipse: s-maj=40.1km s-min=23.4km

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

ISC 05:20:54:22.6.0.4, 38'31N, 0'004:73'48E, 0'04, h107km, m196, s=183/204, mb4.1/30, 9C-17D, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like MDOK, PRZ, KRBS, etc.

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like OTUK, NDI, PTH, etc.

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like MAKZ, MAKZ, MK31, etc.

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

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

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

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

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

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

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

OTUK 05:20:54:26.1.0.0, 38'49N, 73'53E, h130km, mb4.4/17, mb4.3/4

Table with columns: KBZ, comp=Z, 3.0nm, 0.9s, 23.62 293 P, P, 20 59 25.6 +1.7, etc.

IDC 05 20:54:39.9.1.2.23:91S:66:85W, h183km, 15km, mb3, 1/2, mbmp3.4/0.8, Error ellipse: s-maj=21.1km s-min=16.9km az=92.0

SJA 05 20:54:39.5.1.1.23:97S:67:06W, h205km, 8km, M/L3.9, MW3.7

NEIC 05 20:54:40.4.1.8.23:98S:0:05:67:2W:0.2, h217km, 14km, mb3, 7/4, M/L4.4(GUC), Error ellipse: s-maj=24.0km s-min=5.1km az=100.0

VAO 05 20:54:40.9.0.3.23:84S:67:13W, h220km, mb4, 1.4 GUC 05 20:54:41.5.0.6.23:94S:67:30W, h223km, 5km, M/L4.5 ISC 05 20:54:39.7.0.6.23:98S:0:04:67:0W:0.04, h210km, 7km, n8:1516/122.65-14, Chile-Argentina border region

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

Table with columns: comp=Z, 308nm, 0.2s, IPOC Station P, 2.95 317 eP, Pn, 20 55 30.6 +1.0, etc.

TAP 05 21:01:43.0, 24:13N:121.94E, h31km, ML2.5, 1C, B, Taiwan

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

Table with columns: baz=316, Shilin, 0.56 236 eP, P, 20 51 54.6 0.0, etc.

IDC 05 21:03:57.3.1.7.43:37N:105:25W, h0km, mb4.2/2, mbmp3.7/6, M/L3.4/4, MS2.7/1, Error ellipse: s-maj=46.3km s-min=8.9km az=153.0

NEIC 05 21:03:58.6.1.7.43:52N:0:04:105:28W:0:06, h0km, 2km, M/L3.4/8/2, Error ellipse: s-maj=9.6km s-min=3.1km az=313.0

ISC 05 21:03:58.2.0.9.43:55N:0:05:105:26W:0:06, h0km, n54, 1504/54, Wyoming

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

PDAR	comp=E,4.0nm,0.3s,baz=76,slow=16,SNR=58	Lg	21 05 38.1
PDAR	comp=E,14nm,0.3s,baz=78,slow=34,SNR=3.6	LR	21 06 03.6
OGNE	Ogallala 3.54 136	Pn	21 04 57.1 +2.7
YMP	Mirror Lake Pl 3.72 290	Pn	21 04 57.1 0.0
YMP		IAML	21 06 03.0
ISCO	comp=E,91nm,0.8s	Pn	21 04 57.3 -0.3
LOHMT	Idaho Springs 3.75 184	Pn	21 04 58.9 -0.1
GCWH	Greycliff 3.86 307	Pn	21 05 01.6 +2.3
LOHW	Long Hollow 3.88 273	IAML	21 06 26.3
H17A	comp=E,32nm,0.9s	Pn	21 04 59.9 -0.1
H17A	Grant Village 3.93 284	Pn	21 06 04.3
H17A		IAML	21 06 06.4
FLWY	comp=N,47nm,1.4s	Pn	21 05 00.1 -0.5
FLWY	Flagg Ranch 3.97 280	IAML	21 06 12.4
FLWY		IAML	21 06 48.3
MOOW	comp=N,48nm,1.2s	Pn	21 05 01.1 +0.4
SNOW	Moose Ponds 3.99 275	Pn	21 05 01.5 +0.6
O20A	Snow King Moun 4.00 271	Pn	21 05 01.7 -0.2
O20A	White River Ci 4.07 214	IAML	21 06 37.3
REDW	comp=E,68nm,1.2s	Pn	21 05 03.5 +1.5
YFT	Red Top Meadow 4.08 269	Pn	21 05 01.9 -0.7
IMW	Old Faithful 4.12 285	IAML	21 05 02.1 -0.7
IMW	Indian Meadow 4.13 277	IAML	21 06 16.0
IMW		IAML	21 06 17.8
TPAW	comp=E,39nm,0.8s	Pn	21 05 02.3 -0.6
TPAW	Teton Pass 4.14 271	IAML	21 06 33.4
TPAW		IAML	21 06 33.6
FXWY	comp=E,52nm,0.9s	Pn	21 05 05.4 +1.8
YHH	Fox Creek 4.19 273	Pn	21 05 02.9 -1.0
AHID	Holmes Hill 4.21 289	Pn	21 05 06.0 +0.4
AHID	Auburn Hatcher 4.34 262	IAML	21 06 20.6
RDMU	comp=E,54nm,1.3s	Pn	21 05 05.1 -1.0
RDMU	Red Mountain 4.38 229	IAML	21 06 39.8
E28A	comp=E,52nm,1.0s	Pn	21 05 08.1 +1.5
YHL	Huff 4.43 45	Pn	21 05 07.4 +0.2
YHL	Hebgen Lake 4.45 289	IAML	21 06 42.4
DGMT	comp=N,54nm,1.3s	Pn	21 05 14.8 +0.7
BOZ	Dagmar 4.98 8	Pn	21 05 14.9 +0.5
BOZ	Bozeman (W) 4.99 296	IAML	21 06 35.0
BOZ		IAML	21 07 03.2
HWUT	comp=N,14nm,3.9s	Pn	21 05 13.9 -1.3
BSUT	Hardware Ranch 5.04 250	Pn	21 05 15.2 -0.7
BSUT	Blindstream Ca 5.08 236	IAML	21 06 49.5
BSUT		IAML	21 06 54.3
EGMT	comp=N,20nm,0.9s	Pn	21 05 21.0 0.0
P17A	Eagleton 5.47 326	Pn	21 05 25.5 +0.1
HVV	Butcher Ranch, 5.72 227	Pn	21 05 25.0 -0.8
MPU	Hansel Valley 5.82 255	Pn	21 05 26.5 -0.9
BEMT	Mount Belmont 5.93 326	Pn	21 05 27.5 0.0
LYMT	Lyon Mountain 5.94 305	Pn	21 05 28.4 -0.3
TMUT	Trail Mountain 6.03 307	Pn	21 05 30.2 -0.6
CBKS	Cedar Bluff 6.30 137	Pn	21 05 34.0 +1.6
Q16A	Castle Valley 6.42 226	Pn	21 05 33.0 -1.1
T25A	Trinidad 6.43 174	Pn	21 05 34.9 +0.5
OVMT	Ovando 6.49 305	Pn	21 05 35.9 +0.8
DUG	Dugway, Toeole 6.56 242	Pn	21 05 37.5 +1.6
CHMT	Chamberlain Mo 6.57 304	Pn	21 05 36.3 +0.1
HMU	Henry Mountain 6.98 218	Pn	21 05 41.1 -0.8
ELK	Elko 7.93 253	Pn	21 05 41.4 -0.5
I10CA	comp=N,0.1nm,0.3s,baz=62,slow=14,SNR=1.7	I	21 59 50.0
I10CA	LAC DU BONNET 9.18 40	I	21 59 50.0
ULM	comp=N,2.3nm,0.3s,baz=232,slow=12,SNR=16	Pn	21 06 11.8 -1.3
ULM	Lac du Bonnet 9.28 40	Pn	21 06 11.8 -1.3
NVAR	comp=N,4.3nm,0.3s	Pn	21 06 40.8 +2.4
NVAR	Mina Array Bea 11.10 247	Pn	21 06 40.8 +2.4
ARCES	comp=N,0.1nm,0.3s	P	21 14 16.5 -0.3
ARCES	ARCESS Array B 61.60 18	P	21 14 16.5 -0.3
ARCES	comp=N,2.4nm,0.8s,baz=341,slow=8.0,SNR=5.8	P	21 14 16.5 -0.3
FINES	comp=N,2.4nm,0.8s	P	21 15 00.4 +0.5
FINES	FINESS Array B 68.20 23	P	21 15 00.4 +0.5
FINES	comp=N,3.0nm,1.0s,baz=330,slow=10.0,SNR=1.8	P	21 15 00.4 +0.5
FINES	comp=N,3.0nm,1.0s	P	21 15 00.4 +0.5

TAP 05 21:11:36.7,23:83N:121:81E,h41km,ML2.9,B
 JMA 05 21:11:36.2,0.1,23:82N:0.3:121:9E:0.6,h39km,1km,
 MV2.4/15,TAIWAN REGION
 ISC 05 21:11:37.4,1.5,23:82N:0.02:121:86E:0.02,h36km,1km,
 n102,s09:91/167,7C,Taiwan

Code	Station Name	Δ° AZZ	Phase ID	Time Res	ISC
HWA	Hwalien	0.28 304	eP	21 11 44.8	-0.6
TEGC	Jichi Village	0.31 249	P	21 11 45.1	-0.4
TEGC			eS	21 11 51.6	-0.2
TWD	Chiawan	0.35 318	iP	21 11 45.2	-0.7
TWD			eS	21 11 51.5	-0.8
ETM	Tongmen	0.36 294	iP	21 11 45.3	-0.7
ESL	Shilin	0.39 269	iP	21 11 45.5	-0.9
ESL			eS	21 11 52.4	-0.5
ETL	Fush Village	0.40 328	iP	21 11 45.8	-0.8
EGFH	Guangfu	0.42 249	eP	21 11 45.9	-0.9
EGFH			eS	21 11 53.6	+0.1
NACB	Ninganchiao	0.42 326	P	21 11 45.9	-1.0
NACB	Ninganchiao	0.42 326	iP	21 11 45.9	-1.0
NACB			eS	21 11 53.1	-0.6
WARBT	Fenglin Townsh	0.44 257	iP	21 11 46.1	-1.1
WARBT			S	21 11 53.2	-0.9
LXIB	Xiulin Townshi	0.45 296	iP	21 11 46.4	-1.1
LXIB			S	21 11 54.1	-0.4
HGSD	Ruisui	0.51 230	eP	21 11 47.2	-1.0
ETLH	Xiulin Townshi	0.51 319	P	21 11 47.3	-1.1
ETLH			S	21 11 55.4	-0.6
EOS4	EOS4	0.52 55	iP	21 11 47.6	-0.4
EOS4			S	21 11 55.6	+0.2
EHY	Hungye	0.58 237	eP	21 11 47.8	-1.5
ENA	Nanau	0.61 350	iP	21 11 48.7	-1.1
ENA			S	21 11 57.8	-0.6
ECBN	Changbin	0.62 216	eS	21 11 58.0	-0.6
EWUT	Wuta	0.63 354	iP	21 11 48.9	-1.0
EWUT			S	21 11 58.1	-0.6

EOS3	EOS3	0.63 42	P	Pn	21 11 49.5	-0.3
EOS3			Lg	S	21 11 59.4	+0.9
WHF	Heluan Shan	0.63 301	P	Pn	21 11 49.0	-1.3
WHF			S	S	21 11 58.2	-1.0
OWD	Renai	0.64 282	eP	Pn	21 11 49.2	-1.0
OWD			S	S	21 11 58.0	-1.1
VWDT	VWDT	0.66 264	P	Pn	21 11 49.3	-1.0
YULB	Yu-li	0.67 230	P	Pn	21 11 49.0	-1.4
YULB			iP	Pn	21 11 48.9	-1.6
YULB			S	S	21 11 58.2	-1.5
CHGB	Renai	0.67 291	iP	Pn	21 11 49.7	-0.9
CHGB			eS	S	21 11 59.6	-0.3
EYUL	Yuli	0.68 226	eP	Pn	21 11 49.7	-1.0
EYUL			S	S	21 11 50.7	+0.1
EOS2	EOS2	0.69 30	eP	Pn	21 12 01.4	+1.5
EOS2			eS	S	21 12 01.4	+1.5
TWF1	Yuli	0.69 228	P	Pn	21 11 49.7	-1.1
TWF1			eS	S	21 11 59.3	-1.0
WUSB	Renai	0.70 284	iP	Pn	21 11 50.1	-0.9
WUSB			eS	S	21 11 59.9	-0.6
NNSB	Datong	0.74 325	iP	Pn	21 11 50.6	-0.9
NNSB			eS	S	21 12 01.0	-0.7
TWT	Tachien	0.76 305	P	Pn	21 11 51.3	-0.5
TWT			eS	S	21 12 01.4	-0.6
NNS	Nan Shan	0.76 325	P	Pn	21 11 50.9	-0.9
NNS			eS	S	21 12 01.2	-0.8
TDCB	Techi	0.77 304	eP	Pn	21 11 51.2	-0.7
TDCB			eS	S	21 12 01.3	-1.1
LATG	Datong	0.77 337	P	Pn	21 11 50.9	-1.1
LATG			iS	S	21 12 01.9	-0.5
TWC	Suaio	0.79 360	P	Pn	21 11 51.5	-0.5
TWC			eS	S	21 12 02.4	-0.2
FULB	Fuli	0.81 220	eP	Pn	21 11 51.5	-0.9
NDS	Dongshan	0.82 351	eP	Pn	21 11 51.9	-0.6
SSLB	Suanguang	0.83 268	P	Pn	21 11 52.3	-0.3
SSLB	Suanguang	0.83 268	P	Pn	21 11 52.0	-0.6
SSLB			eS	S	21 12 03.4	-0.2
NDT	Datong Townshi	0.84 338	P	Pn	21 11 52.1	-0.7
NDT			eS	S	21 12 03.4	-0.5
CHKT	Chengkung	0.85 212	eP	Pn	21 11 50.9	-1.9
CHKT			eS	S	21 12 01.7	-2.4
ENTT	Nioudou	0.86 342	P	Pn	21 11 52.3	-0.7
ENTT			S	S	21 12 04.0	-0.4
SMLT	Sun Moon Lake	0.88 274	eP	Pn	21 11 52.7	-0.7
EHD	Haiduan	0.90 222	eP	Pn	21 11 51.5	-2.1
WCS	Beigang Elemen	0.90 285	eP	Pn	21 11 53.0	-0.5
TWE	Neicheng	0.91 349	P	Pn	21 11 53.4	-0.3
TWE			eS	S	21 12 05.9	+0.2
TYC	Yuchr	0.92 275	eP	Pn	21 11 53.6	-0.2
TYC			eS	S	21 12 05.4	-0.3
WHYT	Xinyi Township	0.93 263	eP	Pn	21 11 53.6	-0.4
WHP	Taichung City	0.95 299	P	Pn	21 11 54.9	+0.6
WHP			eS	S	21 12 06.3	-0.4
YHNB	Yeheng	0.95 333	iP	Pn	21 11 53.9	-0.5
YHNB	Yeheng	0.95 333	iP	Pn	21 11 53.8	-0.5
YHNB			eS	S	21 12 05.7	-1.1
NSK	Sanguang	0.96 332	eP	Pn	21 11 53.9	-0.6
NSK			eS	S	21 12 05.9	-1.2
FUSB	Fushanzhiwuyua	0.97 345	eP	Pn	21 11 54.0	-0.5
FUSB			eS	S	21 12 06.7	-0.4
EDH	Donghe	0.98 211	eP	Pn	21 11 53.0	-1.7
EDH			eS	S	21 12 05.0	-2.5
ELDTW	Lidau	0.99 231	eP	Pn	21 11 53.5	-1.5
ELDTW			eS	S	21 12 06.1	-1.7
NWLT	Wulai	1.00 341	eP	Pn	21 11 54.7	-0.4
NWLT			eS	S	21 12 07.6	-0.4
ALS	Alishan	1.01 252	eP	Pn	21 11 55.0	-0.4
ALS			eS	S	21 12 08.1	-0.4
WJS	Zhushan	1.03 270	eP	Pn	21 11 55.9	+0.5
NFF	Wufeng Townshi	1.05 320	eP	Pn	21 11 55.9	+0.1
NFF			eS	S	21 12 09.1	-0.1
WNT	Mingjing	1.07 273	P	Pn	21 11 56.4	+0.4
WNT			S	S	21 12 10.9	+1.3
TWQ1	Liyutan	1.12 298	eP	Pn	21 11 56.8	+0.2
TWQ1			eS	S	21 12 11.8	+1.1
NSTT	Nanjuang	1.12 316	eP	Pn	21 11 57.3	+0.6
NSTT			eS	S	21 12 11.4	+0.5
LIOB	Emei	1.12 317	eP	Pn	21 11 57.5	+0.8
TCU	Taichung	1.13 287	eP	Pn	21 11 57.2	+0.6
TIPB	Shuangxi	1.15 359	eP	Pn	21 11 57.2	+0.1
TIPB			eS	S	21 12 11.9	+0.4
NHDD	Xindian Distri	1.18 345	eS	Pn	21 12 12.3	+0.2
JYNG	Yonagunijimaku	1.18 58	P	Pn	21 11 57.1	-0.3
JYNG			eS	S	21 12 11.8	-0.4
STYH	Taoyuan	1.18 237	P	Pn	21 11 57.1	-0.3
STYH			S	S	21 12 12.2	-0.1
TATO	Taipei	1.20 344	P	Pn	21 11 57.8	+0.1

WCKO	Fanlu	1.21 252	eP	Pn	21 11 58.3	+0.5
WCKO			eS	S	21 12 14.5	+1.5
WDLH	Doulu	1.21 264	eP	Pn	21 11 58.1	+0.2
WDLH			eS	S	21 12 14.4	+1.4
TWGBT	Beinan	1.23 216	eP	Pn	21 11 58.0	-0.1
TWG	Pinlang	1.23 216	eP	Pn	21 11 58.3	+0.2
YOJ	Yonaguni jima	1.23 59	P	Pn	21 11 58.3	+0.1
YOJ	Yonaguni jima	1.23 59	P	Pn	21 11 58.1	-0.1
TPUB	Ta-pu	1.24 246	P	Pn	21 11 58.5	+0.2
TPUB			eP	Pn	21 11 58.5	+0.2
TPUB			eS	S	21 12 15.0	+1.2
CHN4	Tsashan	1.25 248	P	Pn	21 11 58.9	+0.5
CHN4			eS	S	21 12 15.9	+1.9
SNX1	Grass Mountain	1.27 1	eP	Pn	21 11 59.2	+0.5
WTP	Ta-pu	1.27 244	eP	Pn	21 11 59.0	+0.2
YMO1	YMO1	1.34 349	eP	Pn	21 12 00.4	+0.6
WTK	Tuku					

5d 22h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like H24K Noodor Dome, TGTN Hyland Airport, etc.

2017 NOV

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like H20K Anoteeneega Mo, E23K Chandalar, etc.

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

Technical notes and coordinates: IDC 05 22:49:34.0, 0.4, 8.62S: 74.26W, h156km, 3km, mb4.3/20, s-min=8.4km, az=64.0, BUJ 05 22:49:34.0, 0.0, 8.70S: 74.40W, h142km, mB5.5/1, NEIC 05 22:49:35.0, 1.8, 8.69S: 0.07:74.35W:0.07, h159km, 4km, mb4.9/34.5, Error ellipse: s-maj=10.2km s-min=9.1km, VAO 05 22:49:35.3, 0.5, 8.68S: 74.21W, h158km, 4km, mb5.1, ISC 05 22:49:38.0, 0.4, 8.67S: 0.04:74.34W:0.05, h153km, 3km, h154km: pP, n782, c0F9/692, mb4.9/186.6D, Peru-Brazil border region

Table with columns: ITOQB, comp-Z, Location, I/Amb, P, 22.54, 59.9, etc. Includes entries like ITQB, CRSM, TMB, IMB, UNIS, BB19B, SJG, FRBT, ITAB, RDDS, ALGR, PMNB, CP5B, RCLB, SDBA, SPB, 3PB, SPB, VAO, PLTB, PLTB, PLTB, DUB01, SJMB, RIB01, ALF01, GUA01, ABRO1, DWPF, 553A, 451A, BRAL, NHSC, NHSC, 152A, 152A, HBVL, HBVL, GOGA, Y57A, Y57A, LRAL, LRAL, HODGE, HKT, 735A, W57A, W57A, W57A, 833A, 833A, 833A, KMSC, V58A, V58A, NATX, NATX, NATX, W50A, W50A, HND0, HND0, 435B, 435B, 435B, U56A, U56A, OXF, 237A, 237A, U54A, U59A, DRIO, DRIO, T57A, T57A, V48A, V48A, TZTN, JCT, JCT, BLA, BLA, WHTX, WHTX.

Table with columns: WHTX, Lake Whitney, 46.08, 332, P, 22.57, 43.2, +0.8, etc. Includes entries like WHTX, Z38A, Z38A, U49A, BRDY, FW13, S57A, S57A, S57A, MIAR, MIAR, MIAR, S54A, S54A, SAND, SAND, FW07, FW07, WHAR, WHAR, OZNA, OZNA, Z35A, Z35A, PLPT, PLPT, TXAR, TXAR, TX31, TX31, TX32, TX32, X37A, X37A, X37A, ABTX, ABTX, Q56A, Q56A, Q54A, Q54A, Q54A, Q54A, WCI, WCI, WCI, WCI, WFTS, WFTS, U40A, U40A, MNHN, MNHN, MCWV, MCWV, P53A, P53A, HHAR, HHAR, APMT, APMT, SN01, SN01, X34A, X34A, MGMO, MGMO, P52A, P52A, RLO, RLO, U38A, U38A, ODSA, ODSA, TUL3, TUL3, TUL3, TUL3, FVM, FVM, FNO, FNO, PECS, PECS, POST, POST, P49A, P49A, BLO, BLO, DEOK, DEOK, WMOK, WMOK, WMOK, WMOK, 425A, 425A, O53A, O53A, CCM, CCM, CCM, CCM, CCM, CCM.

Table with columns: DKNS, Dickens, 49.10, 330, P, 22.58, 06.8, +1.0, etc. Includes entries like DKNS, OK030, SSPA, OK031, OK052, OK052, OK029, OK033, ACOS, QUOK, S39A, S39A, O49A, O49A, P46A, P46A, R40A, R40A, OK04B, OK04B, OK051, OK048, OK048, OK48B, OK48B, PSDB, PSDB, M57A, M57A, M57A, M57A, T35A, T35A, T35B, T35B, MNTX, MNTX, MNTX, MNTX, SMWD, SMWD, SMWD, SMWD, BLOK, BLOK, P43A, P43A, P43A, CROK, N49A, N49A, N49A, N49A, M53A, M53A, SFIN, SFIN, SFIN, SFIN, MSTX, MSTX, MSTX, MSTX, O44A, O44A, O44A, ELIS, N47A, N47A, N47A, OK038, AMTX, AMTX, AMTX, KAN1A, NOKA, BINY, BINY, BINY, L56A, L56A, P40A, P40A, KAN06, HDIL, HDIL, HDIL, HDIL, P38A, P38A, P38A, N41A, KSU1, 121A, 121A, 121A, 121A, R32A, RTBA, N38A, Y22A, J47A, J47A, J47A, J47A, CBKS, CBKS, ANMO, ANMO, ANMO, ANMO.

ANMO Albuquerque	52.95 327	P	P	22 58 35.5 +0.7
ANMO Albuquerque	52.95 327	pP	pP	22 59 10.6 +0.6
ANMO Albuquerque	52.95 327	sP	sP	22 59 27.5 +0.5
JFW5 Jewell Farm	53.35 345	P	P	22 58 36.1 -1.3
TUC Tucson	53.57 321	P	P	22 58 39.7 +0.5
TUC Tucson	53.57 321	P	P	22 58 40.3 +1.1
TUC Tucson	53.57 321	P	P	22 58 39.8 +0.5
TUC Tucson	53.57 321	pP	pP	22 59 14.9 +0.3
TUC Tucson	53.57 321	PcP	PcP	22 59 44.4 +0.5
T25A Trinidad	53.58 330	Iamb	Iamb	22 58 41.4
T25A Trinidad	53.58 330	P	P	22 58 40.6 +1.2
PKME Peaks-Kenny Plk	53.88 4	P	P	22 58 41.6 +0.6
KSCO Kaye Shedlock	54.24 333	P	P	22 58 44.8 +0.8
L34A Svendsen Farm,	54.29 340	P	P	22 58 43.4 -0.7
I40A Norwalk	54.36 346	P	P	22 58 43.3 -1.4
BGNE Belgrade	54.43 338	P	P	22 58 45.4 +0.2
SDCO Great Sand Dun	54.59 330	Iamb	Iamb	22 58 48.6
SDCO Great Sand Dun	54.59 330	P	P	22 58 47.8 +1.0
SDCO Great Sand Dun	54.59 330	P	P	22 58 47.6 +0.8
X18A Snowflake	54.61 324	Iamb	Iamb	22 58 48.9
214A Organ Pipe Nat	54.61 320	Iamb	Iamb	22 58 47.4 +0.7
214A Organ Pipe Nat	54.61 320	P	P	22 58 48.9
214A Organ Pipe Nat	54.61 320	P	P	22 58 48.0 +1.2
W18A Petrified Fore	54.91 325	Iamb	Iamb	22 58 51.1
W18A Petrified Fore	54.91 325	P	P	22 58 49.8 +0.9
S22A 4UR Ranch, Cre	55.26 329	Iamb	Iamb	23 00 47.5
S22A 4UR Ranch, Cre	55.26 329	P	P	22 58 52.6 +1.0
X16A Lo Mia Camp, P	55.41 323	Iamb	Iamb	22 58 54.7
OGNE Ogallala	55.57 335	P	P	22 58 54.4 +0.9
OGNE Ogallala	55.57 335	P	P	22 58 54.3 +0.8
MVCO Mesa Verde	55.74 327	P	P	22 58 55.7 +0.7
ECSO EROS Data Cent	55.94 341	P	P	22 58 55.4 -0.6
ECSO EROS Data Cent	55.94 341	P	P	22 58 55.3 -0.7
K30B Basset	56.07 338	P	P	22 58 57.3 +0.4
WUAZ Wupatki	56.13 324	Iamb	Iamb	22 58 59.9
WUAZ Wupatki	56.13 324	P	P	22 58 58.8 +1.1
SPMM Marine on St.	56.17 344	Iamb	Iamb	22 58 57.2
SPMM Marine on St.	56.17 344	P	P	22 58 56.6 -0.9
ISCO Idaho Springs	56.25 331	P	P	22 58 59.4 +0.8
ISCO Idaho Springs	56.25 331	P	P	22 58 59.3 +0.6
F36A Milaca	56.95 344	Iamb	Iamb	22 59 02.9
F36A Milaca	56.95 344	P	P	22 59 02.2 -0.9
PDMCI Parker Dam,Lak	56.99 321	P	P	22 59 04.0 +0.4
SWSC Sam W. Stewart	57.18 319	P	P	22 59 05.9 +1.0
IKP In-Ko-P, Jac	57.20 318	P	P	22 59 06.5 +1.3
N23A Red Feather La	57.27 332	Iamb	Iamb	22 59 07.3
N23A Red Feather La	57.27 332	P	P	22 59 07.0 +1.3
U15A North Rim	57.30 324	Iamb	Iamb	22 59 08.3
W13A Hualapai Mount	57.36 322	Iamb	Iamb	22 59 08.7
PHWY Pilot Hill	57.37 332	Iamb	Iamb	22 59 07.9
BC3 Big Chuckawall	57.41 319	P	P	22 59 07.8 +1.2
IRM Iron Mountain	57.53 320	P	P	22 59 08.8 +1.4
MONP2 Monument Peak	57.56 318	P	P	22 59 08.7 +0.8
O20A White River Ci	57.79 330	Iamb	Iamb	22 59 11.1
O20A White River Ci	57.79 330	P	P	22 59 10.2 +0.8
BELC Belle Mtn. Jos	57.97 319	P	P	22 59 12.1 +1.5
PMD Palm Desert	58.00 319	Iamb	Iamb	22 59 12.7
109C Camp Elliot, M	58.01 318	P	P	22 59 12.2 +1.5
PFO Pinon Flats	58.02 319	P	P	22 59 12.5 +1.5
PFO Pinon Flats O	58.03 319	P	P	22 59 11.2 +0.2
PFO Pinon Flats O	58.03 319	Iamb	Iamb	22 59 13.1
PFO Pinon Flats O	58.03 319	P	P	22 59 12.1 +1.0
PFO Pinon Flats O	58.03 319	P	P	22 59 11.9 +0.9
PFO Pinon Flats O	58.03 319	pP	pP	22 59 46.9 0.0
PFO Pinon Flats O	58.03 319	sP	sP	23 00 04.3 +0.7
GMRIC Granite Mounta	58.26 320	P	P	22 59 13.8 +1.3
MURC Murrieta	58.51 318	P	P	22 59 15.5 +1.2
P17A Butcher Ranch,	58.59 327	Iamb	Iamb	22 59 16.4
DLB Elsinore Mount	58.69 318	P	P	22 59 16.1 +0.6
HEC Hector,Ludlow	58.71 320	P	P	22 59 17.2 +1.5
K22A Casper	58.92 333	Iamb	Iamb	22 59 18.5
K22A Casper	58.92 333	P	P	22 59 17.9 +0.8
K22A Casper	58.92 333	P	P	22 59 17.7 +0.6
RSSD Black Hills	59.03 335	P	P	22 59 17.9 +0.1
RSSD Black Hills	59.03 335	Iamb	Iamb	22 59 20.1
RSSD Black Hills	59.03 335	P	P	22 59 18.7 +1.0
RSSD Black Hills	59.03 335	P	P	22 59 18.8 +1.0
RSSD Black Hills	59.03 335	P	P	22 59 18.5 +0.7
CIS Catalina Island	59.20 317	P	P	22 59 20.0 +1.0
BFSO Mount Baldy Ra	59.20 319	P	P	22 59 20.1 +1.0
B35A Bob, Littlefor	59.31 345	P	P	22 59 18.3 -1.1
GSC Goldstone, Bar	59.31 320	P	P	22 59 21.2 +1.4
BSUT Blindstream Ca	59.38 328	Iamb	Iamb	22 59 22.8
MPU Maple Canyon	59.46 327	Iamb	Iamb	22 59 22.5
PSUT Pine Spring	59.65 325	Iamb	Iamb	22 59 24.2
EDW2 Edwards Air Fo	59.81 319	P	P	22 59 23.9 +0.7
E28A Huff	59.82 339	P	P	22 59 23.4 +0.4
SNCC San Nicolas Is	59.85 317	P	P	22 59 24.3 +0.9
CTU Camp Tracy	60.01 328	P	P	22 59 24.5 -0.1
TPNV Topopah Spring	60.01 322	Iamb	Iamb	22 59 27.0
TPNV Topopah Spring	60.01 322	P	P	22 59 25.9 +1.2
FURC Furnace Creek,	60.08 321	P	P	22 59 26.0 +1.1

WCT Wildcat Mounta	60.14 321	Iamb	Iamb	22 59 27.7
MPMC Manual Prospe	60.22 320	P	P	22 59 26.5 +0.3
DUG Dugway, Tooele	60.22 327	P	P	22 59 26.5 +0.5
DUG Dugway, Tooele	60.22 327	Iamb	Iamb	22 59 28.1
DUG Dugway, Tooele	60.22 327	P	P	22 59 27.7 +1.2
SPR3 Boulder Array	60.24 325	P	P	22 59 26.2 -0.2
BW06 Boulder Array	60.43 331	P	P	22 59 27.8 +0.3
PDAR Pinedale Array	60.43 331	P	P	22 59 27.2 -0.3
PDAR Pinedale Array	60.43 331	pP	pP	23 00 02.7 -0.9
ARVC Arvin	60.51 319	P	P	22 59 29.3 +1.4
R11B Troy Canyon, C	60.53 323	P	P	22 59 29.5 +1.3
MDND Maddock	60.56 341	P	P	22 59 28.7 +0.8
ISA Isabella, Lake	60.60 319	P	P	22 59 29.3 +0.7
SPUT South Promonto	60.82 328	Iamb	Iamb	22 59 32.2
CWC Cottonwood Cre	60.83 320	P	P	22 59 31.4 +1.2
BGU Big Grassy Mou	60.85 327	Iamb	Iamb	22 59 31.8
PKM McPherson Peak	61.01 318	P	P	22 59 32.2 +0.7
VES Vestal, Richgr	61.10 319	P	P	22 59 33.2 +1.4
AHID Auburn Hatcher	61.19 330	Iamb	Iamb	22 59 33.5
HVU Hansel Valley	61.33 328	Iamb	Iamb	22 59 34.7
SNMC Simmer	61.38 318	P	P	22 59 35.2 +1.4
SMOW Snow King Moun	61.53 331	Iamb	Iamb	22 59 37.6
LOHW Long Hollow	61.57 331	Iamb	Iamb	22 59 36.4
ULM Lac du Bonnet	61.60 344	P	P	22 59 33.8 -1.1
ULM Lac du Bonnet	61.60 344	P	P	22 59 33.8 -1.1
ULM Lac du Bonnet	61.60 344	pP	pP	23 00 09.1 -2.1
IMW Indian Meadow	61.95 331	Iamb	Iamb	22 59 39.7
LAO LASA Array	62.01 336	P	P	22 59 38.3 +0.4
LAO LASA Array	62.01 336	P	P	22 59 38.2 +0.3
NV11 Mina Array Sit	62.12 322	Iamb	Iamb	22 59 40.9
H17A Grant Village	62.14 331	Iamb	Iamb	22 59 42.9
H17A Grant Village	62.14 331	P	P	22 59 39.8 +0.8
YMP Mirror Lake Pl	62.21 332	Iamb	Iamb	22 59 51.2
NVAR Mina Array Ba	62.21 322	P	P	22 59 39.7 +0.2
NVAR Mina Array Ba	62.21 322	pP	pP	23 00 16.2 +0.4
LHV Little Huntout	62.22 332	Iamb	Iamb	22 59 41.8
YNR Norris Junctio	62.43 332	Iamb	Iamb	22 59 43.0
PNTR Pine Nut	63.41 322	Iamb	Iamb	22 59 49.8
HLID Hailey	63.44 328	Iamb	Iamb	22 59 49.3
HLID Hailey	63.44 328	P	P	22 59 48.5 +0.9
BOZ Bozeman (W)	63.54 332	Iamb	Iamb	22 59 49.5
BOZ Bozeman (W)	63.54 332	P	P	22 59 48.8 +0.7
SCHO Schefferville	63.58 5	P	P	22 59 47.8 -0.2
SCHO Schefferville	63.58 5	pP	pP	23 00 23.2 +0.2
PAHR Pah Rah Range	63.67 322	Iamb	Iamb	22 59 51.3
EGMT Eagleton	64.54 334	P	P	22 59 55.0 +0.5
ORV Oroville	64.87 321	Iamb	Iamb	22 59 50.0
PLID Pearl Lake	65.32 329	Iamb	Iamb	23 00 00.3
MSO Missoula	65.53 331	P	P	23 00 02.0 +1.0
I07A Izeze	65.61 326	Iamb	Iamb	23 00 09.2
J05D Fort Rock, OR	66.56 329	Iamb	Iamb	23 00 09.4
J05D Fort Rock, OR	66.56 329	Iamb	Iamb	23 00 12.1
PINE Pine Mountain	67.13 325	Iamb	Iamb	23 00 14.9
NEW Terrebonne, OR	67.70 325	Iamb	Iamb	23 00 16.7
I05D Newpport	68.07 331	P	P	23 00 17.4 +0.5
E07A Sunnyside	68.31 328	Iamb	Iamb	23 00 20.5
LTY Liberty	69.19 328	Iamb	Iamb	23 02 18.5
DBIC Dimbokro	70.92 80	P	P	23 00 34.5 -0.6
DBIC Dimbokro	70.92 80	P	P	23 00 39.6
DBIC Dimbokro	70.92 80	P	P	23 00 34.6 -0.4
DBIC Dimbokro	70.92 80	pP	pP	23 00 34.8 -0.3
SNAAB Sanae	76.03 162	P	P	23 01 12.6 +0.4
SNAAB Sanae	76.03 162	pP	pP	23 01 04.8 +0.8
SNAAB Sanae	76.03 162	pP	pP	23 01 41.3 -0.3
YKA Yellowknife Ar	77.43 342	P	P	23 01 11.6 -0.2
TOAD Torodi Ar. Sit	78.55 75	P	P	23 01 18.2 -0.7
TORD Torodi Ar. Bea	78.55 75	P	P	23 01 18.5 -0.4
TORD Torodi Ar. Bea	78.55 75	P	P	23 01 18.4 -0.4
FLDN Fort Liard	78.88 337	P	P	23 01 20.4 +0.6
KOTAN Kotaneleele Air	79.03 337	P	P	23 01 21.3 +0.7
LIRD Liard River Hi	79.38 336	P	P	23 01 23.0 +0.5
V35K Ketchikan	79.48 331	P	P	23 01 24.3 +1.2
T35M Bob Quinn	79.74 333	P	P	23 01 25.9 +1.3
WRAK Wrangell Islan	80.41 331	P	P	23 01 29.4 +1.3
DLBC Dease Lake	80.46 334	Iamb	Iamb	23 01 30.2
DLBC Dease Lake	80.46 334	P	P	23 01 29.5 +1.0
US3K Whale Pass	80.62 331	P	P	23 01 30.7 +1.6
ESDC Sonseca Array	80.73 47	P	P	23 01 29.9 -0.4
ESDC Sonseca Array	80.73 47	pP	pP	23 02 07.2 -1.2
R33M Jennings River	81.40 334	P	P	23 01 34.6 +1.2
QSPA South Pole Qui	81.44 180	P	P	23 01 35.0 +1.4
QSPA South Pole Qui	81.44 180	P	P	23 01 33.4 -0.2
QSPA South Pole Qui	81.44 180	pP	pP	23 02 13.3 +1.5

TGNT Hyland Airport	81.52 337	P	P	23 01 35.4 +1.5
Q32M Nakina River	81.73 334	P	P	23 01 36.2 +0.9
S32K Killebuck	82.00 332	P	P	23 01 37.4 +1.0
SIT Sitka	82.15 331	P	P	23 01 38.2 +0.9
R32K Eaglecrest	82.38 332	P	P	23 01 39.6 +1.1
P33M Teslin, Yukon	82.59 335	P	P	23 01 40.7 +0.9
P32M Atlin	82.69 334	P	P	23 01 40.8 +0.8
N32M Quiet Lake	83.23 335	P	P	23 01 43.9 +1.0
MMPY Sheldon Lake,	83.30 337	P	P	23 01 43.7 +0.5
WHY Whitehorse	83.74 334	P	P	23 01 46.4 +0.9
PLBC Pleasant Camp	83.80 333	P	P	23 01 46.7 +1.0
FARO Faro, Yukon	83.91 336	P	P	23 01 47.2 +0.9
ELIB Princess Elisa	84.20 162	P		

F28M	Old Crow	88.94 340	I	Amb	I	Amb	23 02 11.6
F28M	Old Crow	88.94 340	P	P	P	23 02 10.6 -0.1	
H27K	Steamboat Moun	88.94 338	P	P	P	23 02 10.8 +0.1	
KLU	Klutina	88.94 333	P	P	P	23 02 11.5 +0.6	
SCRK	Sand Creek	89.01 336	I	Amb	I	Amb	23 02 12.3
SCRK	Sand Creek	89.01 336	P	P	P	23 02 11.1 -0.1	
J26L	Joseph Creek	89.04 336	P	P	P	23 02 11.4 +0.2	
I26K	Coal Creek Min	89.19 337	I	Amb	I	Amb	23 02 12.6
I26K	Coal Creek Min	89.19 337	P	P	P	23 02 11.5 -0.2	
G27K	Doyon Strip	89.23 339	P	P	P	23 02 11.9 -0.2	
E28M	Babbage River	89.26 341	I	Amb	I	Amb	23 02 12.7
E28M	Babbage River	89.26 341	P	P	P	23 02 11.5 -0.6	
PAX	Paxson	89.26 334	P	P	P	23 02 12.1 -0.2	
M24K	Tolsona, Glenn	89.27 333	P	P	P	23 02 12.0 -0.3	
GLI	Glacier Island	89.27 332	P	P	P	23 02 12.2 0.0	
D28M	Stokes Point	89.33 341	P	P	P	23 02 12.1 -0.2	
K24K	Donnelly Dome	89.69 335	P	P	P	23 02 14.3 +0.1	
SCM	Sheep Creek Mo	89.69 333	I	Amb	I	Amb	23 02 15.6
SCM	Sheep Creek Mo	89.69 333	P	P	P	23 02 14.8 +0.4	
E27K	Coleen River	89.78 340	I	Amb	I	Amb	23 02 15.8
E27K	Coleen River	89.78 340	P	P	P	23 02 14.4 -0.1	
J25K	Salcha River	89.81 336	I	Amb	I	Amb	23 02 16.0
J25K	Salcha River	89.81 336	P	P	P	23 02 14.9 +0.1	
M23K	Glacier View	89.86 333	P	P	P	23 02 15.5 +0.5	
D27M	Malcolm River	90.01 341	I	Amb	I	Amb	23 02 17.2
D27M	Malcolm River	90.01 341	P	P	P	23 02 16.2 +0.5	
G26K	Porcupine River	90.06 338	P	P	P	23 02 15.8 0.0	
KNK	Knik Glacier	90.07 332	P	P	P	23 02 15.6 -0.4	
WAT6	Susitna Watana	90.12 334	P	P	P	23 02 16.3 -0.1	
DHY	Denali Highway	90.12 334	P	P	P	23 02 16.6 +0.2	
SML	Sawmill	90.13 333	P	P	P	23 02 16.4 0.0	
PRP	Porcupine Dome	90.19 337	I	Amb	I	Amb	23 02 18.0
PRP	Porcupine Dome	90.19 337	P	P	P	23 02 16.6 0.0	
HDA	Harding Lake	90.38 336	I	Amb	I	Amb	23 02 18.3
HDA	Harding Lake	90.38 336	P	P	P	23 02 17.4 0.0	
FYU	Fort Yukon	90.45 338	I	Amb	I	Amb	23 02 20.1
F26K	Sheenjek River	90.47 339	P	P	P	23 02 18.3 +0.5	
IL31		90.47 336	I	Amb	I	Amb	23 02 18.8
ILAR	Eielson Array	90.47 336	P	P	P	23 02 17.2 -0.6	
ILAR	Eielson Array	90.47 336	PP	PP	PP	23 05 53.0 -1.5	
WAT1	Susitna Watana	90.55 334	P	P	P	23 02 18.3 0.0	
H25L	Birch Creek	90.56 337	P	P	P	23 02 18.9 +0.8	
CCB	Clear Creek Bu	90.81 336	I	Amb	I	Amb	23 02 20.3
POKR	Poker Plat Res	90.81 336	I	Amb	I	Amb	23 02 20.8
POKR	Poker Plat Res	90.81 336	P	P	P	23 02 19.6 +0.2	
G25K	Beaman Lake	90.84 338	P	P	P	23 02 20.2 +0.8	
WRH	Wood River Hill	90.87 335	I	Amb	I	Amb	23 02 21.1
COLA	College	90.90 336	P	P	P	23 02 20.1 +0.4	
COLA	College	90.90 336	P	P	P	23 02 20.1 +0.4	
M22K	Willow	90.93 333	P	P	P	23 02 19.8 -0.1	
F25K	Christian River	90.97 339	P	P	P	23 02 21.0 +0.9	
M4K	McKinley	90.99 335	P	P	P	23 02 20.5 +0.3	
DAG	Danmarks Havn	91.00 11	i	P	P	23 02 19.0 -1.0	
DAG	Danmarks Havn	91.00 11	I	Amb	I	Amb	23 02 20.7
KDAG	Kodiak Island	91.06 328	P	P	P	23 02 20.5 -0.2	
E25K	Arctic Village	91.12 339	I	Amb	I	Amb	23 02 22.7
E25K	Arctic Village	91.12 339	P	P	P	23 02 21.8 +0.9	
CUT	Chulitna	91.18 333	P	P	P	23 02 21.5 +0.4	
H24K	Noodin Dome	91.21 337	P	P	P	23 02 21.8 +0.5	
NEA2	Nenana	91.31 335	I	Amb	I	Amb	23 02 22.7
NEA2	Nenana	91.31 335	P	P	P	23 02 21.4 -0.3	
G24K	Hadweenic Riv	91.34 338	P	P	P	23 02 22.4 +0.6	
TRF	Thorafore Moun	91.49 334	I	Amb	I	Amb	23 03 05.0
TRF	Thorafore Moun	91.49 334	P	P	P	23 02 22.6 -0.2	
C26K	Camden Bay	91.59 341	P	P	P	23 02 23.7 +1.1	
I23K	Minto, Yukon-K	91.59 336	I	Amb	I	Amb	23 02 23.9
I23K	Minto, Yukon-K	91.59 336	P	P	P	23 02 22.9 -0.1	
SKT	Skwentna	91.64 333	P	P	P	23 02 23.1 -0.1	
N20K	Mount Spurr	91.75 332	P	P	P	23 02 23.6 +0.6	
F24K	Squaw Lake	91.75 338	I	Amb	I	Amb	23 05 09.4
F24K	Squaw Lake	91.75 338	P	P	P	23 02 24.4 +0.7	
KTH	Kantishna Hill	91.79 334	I	Amb	I	Amb	23 03 09.0
D25K	Lavik River	91.82 340	P	P	P	23 02 24.3 +0.2	
H23K	Yukon River	91.86 337	P	P	P	23 02 24.7 +0.4	
BPAW	Bear Paw Mtn.	91.97 335	I	Amb	I	Amb	23 02 25.6
BPAW	Bear Paw Mtn.	91.97 335	P	P	P	23 02 25.1 +0.4	
E24K	Your Creek	92.14 339	I	Amb	I	Amb	23 02 27.7
E24K	Your Creek	92.14 339	P	P	P	23 02 26.2 +0.6	
PPLA	Purkeypile	92.17 333	P	P	P	23 02 25.8 -0.1	
CAST	Castle Rocks	92.26 334	I	Amb	I	Amb	23 02 27.2
CAST	Castle Rocks	92.26 334	P	P	P	23 02 25.9 -0.2	
G23K	Banza Creek	92.31 337	I	Amb	I	Amb	23 04 53.2
G23K	Banza Creek	92.31 337	P	P	P	23 02 27.0 +0.7	
M20K	Styx River	92.34 332	P	P	P	23 02 26.8 +0.2	

CHUM	Lake Minchumin	92.47 334	P	P	P	23 02 26.3 -0.7	
O19K	Port Alsworth	92.51 331	P	P	P	23 02 27.4 +0.1	
O18K	Katmai Hardscr	92.52 329	P	P	P	23 02 28.4 +0.9	
COLD	Coldfoot	92.52 338	P	P	P	23 02 27.7 +0.5	
E23K	Chandalar	92.54 339	P	P	P	23 02 27.6 +0.1	
D24K	Happy Valley	92.59 340	P	P	P	23 02 28.5 +1.0	
H22K	Ishatlina Cre	92.61 336	P	P	P	23 02 28.5 +0.8	
I21K	Tanana	92.66 336	P	P	P	23 02 27.6 -0.3	
TOLK	Toolik Lake Re	92.70 339	P	P	P	23 02 28.0 0.0	
C24K	Franklin Bluff	92.72 340	P	P	P	23 02 28.4 +0.3	
N19K	Bonanza Creek	92.73 331	P	P	P	23 02 28.8 +0.4	
P18K	Big Mountain,	92.78 330	P	P	P	23 02 28.6 0.0	
L20K	Farewell, AK	92.82 333	P	P	P	23 02 28.0 -0.8	
Q17K	Contact Creek	92.89 328	P	P	P	23 02 29.1 -0.2	
K20K	Telida	93.11 334	P	P	P	23 02 29.0 -1.1	
D23K	Nanushuk River	93.18 339	P	P	P	23 02 30.6 +0.3	
L19K	White Mountain	93.20 332	P	P	P	23 02 30.1 -0.4	
F20K	Nowinta River	93.33 334	P	P	P	23 02 31.2 +0.2	
J22K	John River	93.33 338	P	P	P	23 02 31.7 +0.7	
E22K	Anaktuvuk Pass	93.36 339	I	Amb	I	Amb	23 02 32.2
E22K	Anaktuvuk Pass	93.36 339	P	P	P	23 02 31.4 +0.2	
N18K	Kilae Creek	93.38 331	P	P	P	23 02 31.8 +0.4	
C23K	Iktilik River	93.39 340	P	P	P	23 02 31.7 +0.5	
M18K	Stony River	93.51 332	P	P	P	23 02 32.2 +0.3	
F21K	Alatina River	93.75 337	P	P	P	23 02 33.8 +0.8	
O17K	Koiganek Bris	93.79 330	P	P	P	23 02 33.1 -0.1	
H20K	Anotleneega Mo	93.92 336	P	P	P	23 02 33.7 0.0	
N17K	Nushagak Hills	93.97 331	P	P	P	23 02 34.7 +0.7	
NOR	Nord	94.04 7	i	P	I	Amb	23 02 33.6 -0.4
L18K	Granite Mounta	94.05 332	P	P	P	23 02 34.5 +0.1	
E21K	Killik River	94.21 339	P	P	P	23 02 34.8 -0.2	
M17K	Holtina River	94.25 331	P	P	P	23 02 35.0 -0.4	
CHNA	Chernabura Isl	94.29 325	P	P	P	23 02 35.2 -0.4	
J18K	Innoko River	94.30 333	P	P	P	23 02 35.4 +0.1	
B22K	Teshkepuk Lake	94.45 341	P	P	P	23 02 36.6 +0.6	
H19K	Roundabout Mou	94.57 336	P	P	P	23 02 36.4 -0.2	
F20K	Avaraat Lake	94.57 337	P	P	P	23 02 37.3 +0.7	
GCSA	Galena City Sc	94.60 335	P	P	P	23 02 36.9 +0.1	
C21K	Knifblade Rid	94.65 339	P	P	P	23 02 37.7 +0.7	
B21K	Ikpiuk River	94.69 340	P	P	P	23 02 37.6 +0.4	
L17K	Donlin	94.78 332	P	P	P	23 02 37.8 +0.1	
E20K	Nigu River	94.98 338	P	P	P	23 02 39.0 +0.4	
D20K	Ertuk River	95.22 339	P	P	P	23 02 40.0 +0.4	
E19K	Redstone River	95.22 337	P	P	P	23 02 39.6 0.0	
H18K	Hornhosa River	95.29 335	P	P	P	23 02 40.8 +0.8	
NB2	NORSAR Subarra	95.37 29	P	P	P	23 02 41.4 +0.9	
NOA	NORSAR Array B	95.37 29	P	P	P	23 02 38.7 -1.8	
G18K	Tagagawik	95.53 336	P	P	P	23 02 41.5 +0.5	
B20K	Meade River	95.63 340	P	P	P	23 02 41.8 +0.4	
D19K	Kuna River	95.72 338	P	P	P	23 02 42.8 +0.8	
MAW	Mawson	98.03 165	p	P	P	23 03 31.2 -0.1	
STKA	Stephens Creek	127.04 219	PKP	PKPdf	PKPdf	23 08 20.1 -0.3	
BVAR	Borovyev Array	127.37 26	PKP	PKPdf	PKPdf	23 08 19.5 -0.8	
GEYT	Alibek	128.48	PKP	PKPdf	PKPdf	23 08 21.8 -0.7	
ZALV	Zaliv	131.84	PKP	PKPdf	PKPdf	23 08 28.6 -0.1	
ZALV	Zaliv	131.84	PKP	PKPdf	PKPdf	23 09 08.7 -0.6	
ZALV	Zaliv	131.84	PKP	PKPdf	PKPdf	23 11 49.2 -0.5	
KURBB	Kurchatov Arr	132.53 23	PKP	PKPdf	PKPdf	23 08 30.6 +0.4	
KURBB	Kurchatov Arr	132.53 23	PKP	PKPdf	PKPdf	23 09 10.1 -0.6	
MKAR	Makanchi Array	137.09 24	PKP	PKPdf	PKPdf	23 08 39.0 +0.1	
MKAR	Makanchi Array	137.09 24	PKP	PKPdf	PKPdf	23 09 18.2 -1.3	
MKAR	Makanchi Array	137.09 24	PKP	PKPdf	PKPdf	23 11 58.2 +0.3	
ASAR	Alice Springs	137.63 220	PKHkP	PKPpre	PKPpre	23 08 31.7	
ASAR	Alice Springs	137.63 220	PKHkP	PKPpre	PKPpre	23 08 39.8 -0.8	
ASAR	Alice Springs	137.63 220	PKHkP	PKPpre	PKPpre	23 09 20.4 -0.8	
MJAR	Matsushiro Arr	139.46 318	PKHkP	PKPpre	PKPpre	23 08 33.9	
MJAR	Matsushiro Arr	139.46 318	PKHkP	PKPpre	PKPpre	23 08 42.7 -0.9	
MJAR	Matsushiro Arr	139.46 318	PKHkP	PKPpre	PKPpre	23 12 04.9 0.0	
WRA	Warramunga Arr	139.93 225	PKHkP	PKPpre	PKPpre	23 08 36.4	
WRA	Warramunga Arr	139.93 225	PKHkP	PKPpre	PKPpre	23 08 44.9 0.0	
WRA	Warramunga Arr	139.93 225	PKHkP	PKPpre	PKPpre	23 09 25.5 +0.1	
SONM	Songino Array	140.97 359	PKHkP	PKPpre	PKPpre	23 08 39.6	
SONM	Songino Array	140.97 359	PKHkP	PKPpre	PKPpre	23 08 45.2 -0.8	
WMQ	Urumqi	141.64 21	ePKP	PKPdf	PKPdf	23 08 48.2 +0.9	
XLT	XilinHaoTe	143.75 347	ePKP	PKPbc	PKPbc	23 08 48.7 -0.3	
KSRS	Korea Array	144.97 328	PKHkP	PKPbc	PKPbc	23 08 52.8 0.0	
KSRS	Korea Array	144.97 328	PKHkP	PKPbc	PKPbc	23 09 33.8 0.0	
HHC	Hu-ho-hao-te	147.53 352	ePKPbc	PKPbc	PKPbc	23 08 58.2 +0.6	
BTO	Baotou	147.96 354	ePKPbc	PKPbc	PKPbc	23 09 01.8 +0.2	
BTO	Baotou	147.96 354	ePKPbc	PKPbc	PKPbc	23 12 37.2 +8.2	
BTO	Baotou	147.96 354	ePKPbc	PKPbc	PKPbc	23 31 26.4 +4.9	
GTA	Goatai	148.95 9	ePKPbc	PKPbc	PKPbc	23 09 04.9 -0.5	
HNS	HongShan	150.25 345	ePKPbc	PKPbc	PKPbc	23 09 07.8 -0.2	
PYUN	Pluthan	151.18 45	ePKPbc	PKPbc	PKPbc	23 09 51.7 +1.3	
DANN	Dangsing	151.56 44	ePKPbc	PKPbc	PKPbc	23 09 52.7 +1.3	
GKN	Gorkha	152.38 43	ePKPbc	PKPbc	PKPbc	23 09 53.0 -0.1	

LZH	Lanzhou	152.66	3	eP	sP	PKIKP	23 09 14.2 +1.0
LZH	Lanzhou	152.66	3	eP	sP	PKIKP	23 10 03.8 +0.5
DM							

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for various locations like L16K, K17K, GCSA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for various locations like ILAR, Eielson Array, RCM1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for various locations like WRA, Warramunga Arr, WRR, etc.

6d 0h

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like East Tongariro, Turoa, Matakaoa Point, etc.

2017 NOV

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like BNX, BNX, PZH, PZH, TNCH, etc.

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Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like KKAR, KKAR, KKAR, BERG, N26K, etc.

IDC 06:00:32:03.2.0.9, 16:75S:176:94E, h0km, mb4.0/7, mbmp4.0/7, MS3.9/24, Error ellipse: s-maj=25.1km s-min=19.7km az=19.0
 NEIC 06:00:32:05.3.1.4, 16:56S:0:09:177:07E:0:08, h23km, 5km, mb5.1/32, Error ellipse: s-maj=12.6km s-min=10.9km az=181.0
 GCMT 06:00:32:08.3.0.2, 16:47S:0:01:176:74E:0:01, h10km, 1km, MW5.0/103, Moment Tensor Solution. s33, c37; s103, c140; Duration: 0 Moment tensor: Scale 10²⁰Nm; Mw=0.02; 14; M0=0.45; 12; M90=0.46; 10; M1=1.08; 23; M3=3.34; 10; M4=0.31; 20; Best double couple; S3: 5.510x10¹⁶ NP1: 6.8700000; S7: 0.00000; 1.18.00000; NP2: 3.56.00000; S7: 0.00000; 1.177.00000; Principal axes: T: 3.6280, Plg15.0000, Azm312.0000; N: -0.1550, Plg72.0000, Azm96.0000; P: -3.4730, Plg10.0000; Azm220.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
 Triangular moment-rate function
 ISC 06:00:32:03.9.0.5, 16:57S:0:07:177:01E:0:07, h14km, n82, c1503/58, mb5.1/23, MS3.9/22, Fiji Islands

Code	Station Name	Δ°	AZ°	Op	ISC	Phase ID	Time	Res
							h m s	ISC
MSVF	Nonsavu	1.53	140	Pn	Pn		00 32 30.6	-0.3
MSVF	Nonsavu	1.53	140	Pn	Pn		00 32 30.8	-0.1
MSVF	375nm, 0.3s, baz=286, slow=9.9, SNR=270							
MSVF	375nm, 0.3s, baz=314, slow=23, SNR=69						00 32 50.8	+0.2
MSVF	comp=Z, 3um, 19.8s, baz=337, slow=43							
MARNC	Mare, Loyalty	9.80	239	Pn	Pn		00 34 24.8	+0.3
PINNC	Pines Island	10.84	235	P	P		00 34 38.7	-0.1
AFI	Afiatama	11.14	78	Pn	Pn		00 34 41.7	-1.3
OUENC	Ouen Island, N	11.22	237	Pn	Pn		00 34 44.5	+0.6
DZM	Mont Dzumac	11.38	240	Pn	Pn		00 34 46.4	+0.1
DZM	Mont Dzumac	11.38	240	Pn	Pn		00 38 26.7	
Ouen	Ouen Toro	11.49	239	Pn	Pn		00 34 48.3	+0.8
ONTNC	Koumanc, New Ca	12.70	250	Pn	Pn		00 35 04.6	+0.4
RAO	Raoul Island	13.46	161	LR	LR		00 39 02.2	
HNR	Honiara	16.07	291	LR	LR		00 42 27.7	
TOZ	Tahuroa Road	21.13	183	P	P		00 36 48.6	+0.3
RAR	Rarotonga	22.44	106	LR	LR		00 37 41.2	+0.2
BFZ	Birch Farm	24.04	181	P	P		00 37 17.3	-1.3
BFZ	comp=Z, 5.4nm, 1.3s							
EIDS	Eidsvold	25.71	246	P	P		00 37 34.7	+0.7
INZ	Inchbonnie	26.50	189	P	P		00 37 41.2	+0.2
INZ	comp=Z, 9.0nm, 1.5s							
ARMA	Armidale	26.98	235	P	P		00 37 46.0	+0.5
KRVV	Keravat (AS076	27.38	294	LR	LR		00 47 41.2	
CTZ	Chatham Island	27.62	170	P	P		00 37 51.6	+0.7
CTZ	comp=Z, 1.13nm, 1.2s							
WKZ	Wanaka	28.97	192	P	P		00 38 03.0	0.0
WKZ	comp=Z, 5.4nm, 1.3s							
CTA	Charters Tower	29.39	258	LR	LR		00 47 34.0	
DCZ	Deep Cove	29.98	194	P	P		00 38 11.5	-0.3
DCZ	comp=Z, 6.5nm, 1.5s							
WHZ	Wether Hill Ro	30.21	193	P	P		00 38 13.3	-0.7
WHZ	comp=Z, 5.9nm, 1.3s							
PYZ	Pyysgeurg Point	30.75	194	P	P		00 38 18.9	+0.2
CAN	Canberra	31.19	228	P	P		00 38 23.4	+0.6
CAN	comp=Z, 6.3nm, 1.5s							
STKA	Stephens Creek	35.53	238	P	P		00 39 00.6	-0.1
STKA	Stephens Creek	35.53	238	P	P		00 39 01.6	+0.9
STKA	comp=Z, 1.4nm, 0.9s, baz=72, slow=0.0, SNR=8.1							
STKA	comp=Z, 2.64nm, 18.5s, baz=42, slow=35							
H1N10	WAKE ISLAND Hy	37.40	344	T	T		01 18 38.7	
H1N11	WAKE ISLAND Hy	37.40	344	T	T		01 18 38.8	
H1N12	WAKE ISLAND Hy	37.41	344	T	T		01 18 40.5	
WRA	Warramunga Arr	40.95	259	P	P		00 39 43.5	0.0
ASAR	Alice Springs	49.87	253	P	P		00 39 45.9	-0.7
ASAR	comp=Z, 4.9nm, 0.9s, baz=88, slow=56							
GUMO	Guam	43.66	311	LR	LR		00 57 10.5	
MLH	Mauna Loa	44.95	38	P	P		00 40 18.6	-0.5
HMH	Humu'ula Sheep	44.97	38	P	P		00 40 19.4	-1.5
OPA	Opans	45.32	34	P	P		00 40 21.0	-1.4
SAUI	Saumlaki	45.39	275	P	P		00 40 21.7	-1.3
HLK	Haleakala	45.44	36	P	P		00 40 25.6	-1.9
FAKI	Fak Fak	46.02	282	P	P		00 40 27.6	
SOEI	Soe	51.69	271	P	P		00 41 11.2	0.0
SOEI	comp=Z, 44nm, 1.3s							
MBWA	Marble Bar	54.16	256	P	P		00 41 28.4	-0.9
MBWA	comp=Z, 2.2nm, 1.2s							
NWAO	Narrogin (SRO)	55.99	241	P	P		00 41 43.2	+0.9
DAV	Daavo City (W)	56.03	291	LR	LR		01 02 06.0	
JHV	Hachiojima 2	60.88	324	LR	LR		01 06 50.4	
JMZ	Minamidaito 2	61.32	313	P	P		00 42 18.6	-0.8
VNDA	Vanda	61.45	184	P	P		00 42 19.0	-0.5
VNDA	comp=Z, 45nm, 21.3s, baz=330, slow=32							
INU	Inuyama	64.06	324	P	P		00 42 37.8	+0.3
INU	comp=Z, 3.3nm, 1.4s							
MJAR	Matsushiro Arr	64.28	326	LR	LR		01 04 50.3	
MAJO	Matsushiro	64.32	326	P	P		00 42 38.6	-0.4
MAJO	comp=Z, 6.1nm, 0.7s							
MJB	Matsu-Tunnel	64.29	326	P	P		00 42 38.7	-0.3
MJB	comp=Z, 2.0nm, 1.5s							
JNU	Nakatsue	66.20	319	LR	LR		01 05 48.3	
ASAJ	Asahikawa	68.08	334	LR	LR		01 07 34.8	
KSR	Korea Arr	70.84	320	LR	LR		01 09 40.7	
QSPA	South Pole Qui	73.48	180	P	P		00 43 36.5	+0.5
QSPA	comp=Z, 1.6nm, 0.6s, baz=5.4, slow=5.1, SNR=3.6							
KLR	Kuldur	76.79	331	LR	LR		01 15 09.4	
NVAR	Minna Array Bea	81.56	46	P	P		00 44 24.0	+2.3
NVAR	comp=Z, 1.06nm, 19.3s, baz=268, slow=30							
BELA	Belgrano 2	84.01	174	P	P		00 44 30.8	-2.7
RND	Reindeer	84.02	15	P	P		00 44 32.4	-1.3
RND	comp=Z, 1.0nm, 1.1s							
BARN	Barnard Glacie	84.11	19	P	P		00 44 34.0	-0.4
BARN	comp=Z, 2.3nm, 1.5s							
CMAR	Chiang Mai Arr	84.32	291	LR	LR		01 18 18.0	
ELK	Elko	84.74	45	P	P		01 15 06.4	
ILAR	Eielson Array	85.64	15	P	P		00 44 44.5	+2.8
F20K	Avaraart Lake	85.78	10	P	P		00 44 42.2	-0.1
F20K	comp=Z, 0.6nm, 0.6s, baz=226, slow=5.3, SNR=7.0							

Code	Station Name	Δ°	AZ°	Op	ISC	Phase ID	Time	Res
							h m s	ISC
PMSA	Palmer Station	86.72	158	LR	LR		01 17 29.8	
NEW	Newport	87.06	38	LR	LR		01 18 44.2	
TXAR	Lajitas Array	89.02	59	P	P		00 45 13.2	+2.3
PDAR	Pinedale Array	89.44	45	LR	LR		01 20 01.5	
SONM	Songino Array	89.71	321	LR	LR		01 26 43.8	
PLCA	Paso Flores	95.39	135	LR	LR		01 21 26.9	
KHC	Kasperske Hory	144.83	341	ePKP	ePKP		00 51 41.0	+0.4
GERES	GERES Array B	145.04	341	ePKP	ePKP		00 51 41.5	+0.5
CONA	Conrad Observa	145.09	338	ePKP	ePKP		00 51 45.5	+0.5
RONA	Rosalia, Austr	145.12	337	ePKP	ePKP		00 51 44.9	-0.1
MOA	Molin	145.72	339	ePKP	ePKP		00 51 45.6	-0.7
SOKA	Sotho	146.45	337	ePKP	ePKP		00 51 49.2	+1.4
KBA	Koelbrenspers	146.70	340	ePKP	ePKP		00 51 50.1	+1.6
MYKA	Terra Mystica	146.99	339	ePKP	ePKP		00 51 48.1	+0.3
MOTA	Moosalm	147.17	342	ePKP	ePKP		00 51 49.4	+0.8
SQTA	Sant Quirin	147.25	342	ePKP	ePKP		00 51 51.1	+1.6

IDC 06:00:34:11.7.0.7, 31:21N:103:77E, h0km, mb4.0/18, mbmp4.0/20, ML3.7/2, MS3.7/9, Error ellipse: s-maj=21.9km s-min=14.8km az=43.0
 MOS 06:00:34:11.4.1.4, 31:14N:103:88E, h16km, mb4.2/17, Error ellipse: s-maj=4.8km s-min=6.6km az=109.7
 NEIC 06:00:34:13.4.31, 18N:0:08:103:97E:0:08, h20km, 5km, mb4.3/29, Error ellipse: s-maj=13.6km s-min=10.0km az=187.0
 ISC 06:00:34:12.2.0.4, 31:17N:0:06:103:95E:0:05, h14km, n107, c167/102, mb4.2/37, MS3.5/7, 1D, Sichuan

Code	Station Name	Δ°	AZ°	Op	ISC	Phase ID	Time	Res
							h m s	ISC
ENH	Enshi	4.85	99	Pn	Pn		00 35 21.8	-3.0
LSA	Lhasa	11.15	266	Pn	Pn		00 36 48.3	-3.4
LSA	Lhasa	11.15	266	Pn	Pn		00 36 48.3	-3.4
MND	Mandalay	11.50	219	Pn	Pn		00 36 56.0	-1.7
SHL	Shiling	12.00	245	Pn	Pn		00 37 01.4	-1.7
SHL	Shiling	12.00	245	Pn	Pn		00 37 01.4	-1.7
BHT	Baitou	13.25	45	Pn	Pn		00 37 20.1	-0.2
SJT	Baijiatuu	13.28	45	Pn	Pn		00 37 20.1	-0.2
CMAR	Chiang Mai Arr	13.45	201	Pn	Pn		00 37 25.4	+2.7
CMAR	0.9nm, 0.3s, baz=18, slow=27, SNR=3.1							
CMAR	comp=Z, 7.5nm, 20.5s, baz=20, slow=41							
KNMB	Chin-men Tao	14.41	114	Pn	Pn		00 37 35.2	-0.6
TAPN	Tapejlung	14.68	259	eP	eP		00 37 37.6	-2.2
RAMN	Ramite	15.74	259	eP	eP		00 37 52.3	-1.6
JUN	Jiri	15.87	262	eP	eP		00 37 52.7	-2.9
GUR	Gumba	16.06	263	eP	eP		00 37 54.3	-3.8
PKI	Pulchoki	16.56	262	eP	eP		00 38 01.5	-2.9
PKIN	Phulchoki	16.57	262	eP	eP		00 38 01.6	-2.8
SONM	Songino Array	16.75	6	Pn	Pn		00 38 06.9	-1.8
SONM	Songino Array	16.75	6	Pn	Pn		00 38 06.9	-1.8
SONM	comp=Z, 1.5nm, 1.2s							
SONM	Songino Array	16.75	6	Pn	Pn		00 38 08.5	-0.2
SONM	comp=Z, 0.1nm, 0.3s, baz=183, slow=14, SNR=9.4							
SSBL	Suanguang	16.77	112	Pn	Pn		00 38 06.7	-0.2
SSBL	comp=Z, 1.8nm, 0.8s							
DMM	Daman	16.80	263	eP	eP		00 38 04.5	-2.9
ULN	Ulaanbaatar	16.84	7	Pn	Pn		00 38 07.3	-0.4
ULN	Ulaanbaatar	16.84	7	Pn	Pn		00 38 07.3	-0.4
GKN	Gorkha	17.10	264	eP	eP		00 38 08.0	-3.0
YULB	Yu-li	17.24	112	Pn	Pn		00 38 09.9	-2.8
YULB	comp=Z, 5.5nm, 1.4s							
DANN	Dangxing	17.76	266	eP	eP		00 38 15.9	-3.5
PYUN	Pluthan	18.48	266	eP	eP		00 38 25.6	-2.4
ZAK	Zakamensk	20.39	359	eP	eP		00 38 39.6	+3.0
INCN	Inchon	19.74	65	P	P		00 38 38.0	-3.5
INCN	Inchon	19.74	65	P	P		00 38 38.1	-3.5
TJN	Taejon	20.12	69	P	P		00 38 43.7	-2.0
TJN	Taejon	20.12	69	P	P		00 38 43.7	-2.0
KS19	Wonju Array Si	20.70	66	P	P		00 38 51.6	-0.5
KSAR	Wonju Array B	20.71	66	P	P		00 38 51.8	-0.3
KSAR	Wonju Array Be	20.71	66	P	P			

mbmp3.9/16, MS3.9/76, Error ellipse: s-maj=23.4km
 s-min=16.1km az=176.0
 NEIC 06 03:07:58.7-1.5, 34.7N, 02:36:0W, 0.1, h10km, 1km,
 mb4.5/30, Error ellipse: s-maj=27.8km s-min=17.4km
 az=151.0
 GCMT 06 03:08:05.7-0.2, 35.41N, 01:35:99W, 0.01, h24km, 1km,
 MW5.0/123, Moment Tensor Solution. s61,c75;
 s123,c182; Duration: 0 Moment tensor: Scale 10¹⁶Nm;
 Mn=0.67±.12; Mw=0.55±.12; Ms=0.18±.10; Mo=0.64±.16;
 Mh=3.58±.10; Mv=0.06±.12; Best double couple:
 M=4.25000×10¹⁶ N, l=106.00000°, s=89.00000°;
 l=-9.00000°, NIP=2.1960000°, 881.00000°;
 l=-179.00000°. Principal axes: T 4.5970, P1g6.0000°;
 Azm151.0000°; N -0.6810, P1g81.0000°, Azm282.0000°;
 P -3.9160, P1g6.0000°, Azm60.0000°; nsta1 refers to
 body waves, cutoff=0s. nsta2 refers to surface waves,
 cutoff=50s. Triangular moment-rate function
 ISC 06 03:07:58.8-0.7, 34.8N, 01:36.03W, 0.08, h10km, n113,
 c1940/50, mb4.4/31, MS3.9/76, Northern Mid-Atlantic
 Ridge

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
Code	Station Name	Δ°	AZ°	Phase ID	h m s	h m s	ISC
ROSA	Roisais	7.37	56	Op	03 09 47.0	+0.6	
CMLA	Cha da Macela	8.98	68	Pn	03 10 07.3	-1.3	
ESDC	Sonsec Array	25.91	70	P	03 13 10.0	0.0	
ESDC		1.5nm, 1.1s, baz=275, slow=6.3, SNR=4.1					
MDT	Midelt	26.14	85	LR	03 21 09.3		
SCHO	Schefferville	29.26	323	LR	03 24 12.4		
SJG	San Juan	31.51	246	LR	03 24 31.1		
MDJ	Montagnes des	33.32	211	LR	03 25 12.2		
SFDP	Kangerlussuaq	33.33	350	LR	03 25 11.5		
SADO	Sadova	34.23	330	LR	03 28 53.8		
DAVOST	Davos/Dischmat	36.27	57	LR	03 27 24.3		
KEST	Kesra	36.81	75	LR	03 28 45.6		
CLL	Collin	38.65	49	eS	03 21 22.0	+3.4	
TKL	Tuckaleechee C	38.70	285	LR	03 28 00.6		
NOA	NORSAR Array B	39.80	34	P	03 15 30.1	-1.7	
NOA		0.9nm, 0.8s, baz=253, slow=4.9, SNR=2.9					
DBIC	Dimbardo	40.11	127	P	03 15 34.3	-0.5	
DBIC		5.7nm, 1.1s, baz=307, slow=5.1, SNR=2.3					
TOAO	Torodi Ar. Sit	40.32	113	P	03 15 40.5	+3.9	
TORD	Torodi Ar. Bea	40.32	113	P	03 15 40.8	+4.1	
TORD	Torodi Ar. Bea	40.32	113	P	03 15 35.8	-0.8	
TORD		3.1nm, 1.1s, baz=284, slow=6.1, SNR=6.9					
RCBR	Riachuelo	40.42	180	LR	03 28 14.2		
VAE	Valguarnera	40.43	71	LR	03 30 38.4		
HFS	Hagfors	40.70	36	LR	03 29 12.1		
VRAC	Vranovo	40.84	53	LR	03 30 46.3		
ULM	Lac du Bonnet	45.48	39	LR	03 34 38.6		
ROSC	El Rosal	46.27	23	LR	03 34 04.7		
BURAR	Buovina Array	46.67	55	P	03 16 28.4	+0.9	
MIAR	Miocut Ida	46.74	287	P	03 16 28.4	+0.2	
MIAR		comp=Z, 7.7nm, 1.4s					
FINES	FINESS Array B	46.90	36	P	03 16 26.0	-3.0	
FINES		comp=Z, 2.2nm, 0.8s, baz=224, slow=7.8, SNR=2.2					
H10N2	ASCENSION HYDR47.05 150	247	T	04 06 51.4			
H10N3	ASCENSION HYDR47.05 150	247	T	04 06 53.0			
H10N1	ASCENSION HYDR47.06 150	247	T	04 06 54.0			
MLR	Muntele Rosu	47.48	57	LR	03 35 38.3		
ARCES	ARCES Array B	48.04	53	P	03 16 37.5	+0.5	
TEIG	Tepeh	48.05	267	LR	03 35 38.0		
RES	Resolute Bay	48.63	342	LR	03 33 58.6		
AKASG	Malin Array B	48.89	50	P	03 16 41.4	-3.2	
AKASG		comp=Z, 1.7nm, 0.8s, baz=271, slow=7.6, SNR=6.2					
IDI	Anoyia	49.16	71	LR	03 38 14.3		
BDFB	Brasilia	51.45	195	LR	03 34 16.5		
OBN	Obninsk	52.66	44	LR	03 38 19.2		
BRTR	Keskin Array B	54.40	63	P	03 17 25.3	-0.8	
BRTR		comp=Z, 0.5nm, 0.8s, baz=289, slow=9.0, SNR=1.8					
YKA	Yellowknife	54.62	326	LR	03 40 18.1		
CMIG	Maktas Romero	55.03	267	LR	03 38 15.4		
SIV	San Ignacio	55.84	209	LR	03 38 40.2		
PD31	Pinedale Array	56.20	302	P	03 17 40.1	+0.9	
PD31		comp=Z, 5.0nm, 1.4s					
PDAR	Pinedale Array	56.20	302	P	03 17 39.0	-0.2	
PDAR		comp=Z, 1.7nm, 1.0s, baz=79, slow=8.0, SNR=9.0					
ANMO	Albuquerque	56.60	292	LR	03 41 25.3		
TXAR	Lajitas Array	56.61	285	P	03 17 42.5	+0.3	
TXAR		comp=Z, 1.0nm, 0.9s, baz=192, slow=6.7, SNR=9.5					
TX31	Lajitas Ar. Si	56.61	285	P	03 17 42.9	+0.7	
TX31		comp=Z, 5.6nm, 1.0s					
TX32	Lajitas Array	56.61	285	P	03 17 41.9	-0.2	
IMW	Indian Meadow	56.80	303	P	03 17 43.9	+0.3	
FWXY	Fox Creek	56.94	303	P	03 17 44.6	+0.1	
ATAH	Altaulpa	57.77	232	LR	03 42 13.8		
MMAI	Mount Meron Ar	58.11	70	LR	03 42 56.5		
KIRV	Kirov	58.78	38	LR	03 41 58.6		
EIL	Eilat	59.12	73	LR	03 45 43.0		
LPAZ	La Paz	59.27	216	P	03 18 00.3	-1.1	
LPAZ		comp=Z, 2.2nm, 0.7s, baz=295, slow=12, SNR=8.8					
LPAZ		comp=Z, 7.2nm, 1.8s, baz=30, slow=35					
KVAR	Kislovodsk Arr	59.39	55	LR	03 42 54.4		
NEW	Newport	59.47	310	LR	03 42 31.3		
KBZ	Khabaz	59.61	56	P	03 18 01.6	-1.1	
KBZ		comp=Z, 1.2nm, 1.0s, baz=309, slow=6.5, SNR=2.1					
KBZ		comp=Z, 7.2nm, 1.9s, baz=320, slow=35					

BELG	Belogorovo	59.69	45	LR	03 42 37.4		
PLID	Pearl Lake	59.82	306	P	03 18 04.8	+0.2	
NNA	Nana	60.52	227	LR	03 43 04.5		
SZCU	Shurtz Canyon	60.55	297	P	03 18 11.0	+1.3	
PSUT	Shine Spring	60.74	289	P	03 18 12.5	+1.5	
PSUT		comp=Z, 3.4nm, 0.9s					
INK	Inuvik	60.81	335	LR	03 44 11.5		
ELK	Elko	60.88	301	LR	03 44 29.7		
H31M	Peel River	62.05	333	P	03 18 20.1	+1.0	
GNI	Garni	62.22	59	LR	03 45 17.3		
G30M	iAoh Zraii Nji	62.27	334	P	03 18 20.7	+0.1	
G30M		comp=Z, 688m, 20.4s, baz=316, slow=36					
E28M	Babbage River	62.73	336	P	03 18 22.7	-1.0	
E28M		comp=Z, 5.5nm, 1.2s					
D27M	Malcolm River	62.91	337	P	03 18 25.1	+0.2	
DLBC	Dease Lake	63.05	324	P	03 18 26.7	+0.7	
DLBC		comp=Z, 4.7nm, 1.1s					
I30M	Mount Dempster	63.06	332	P	03 18 26.1	+0.1	
I30M		comp=Z, 233nm, 19.8s, baz=67, slow=34					
F28M	Old Crow	63.28	335	P	03 18 26.6	-0.7	
F28M		comp=Z, 3.1nm, 0.9s					
H30M	Hart River	63.31	332	P	03 18 27.9	+0.3	
H29M	Whitestone	63.37	334	P	03 18 28.5	+0.6	
H29M		comp=Z, 7.6nm, 1.4s					
E27K	Coleen River	63.60	336	P	03 18 29.4	0.0	
E27K		comp=Z, 4.4nm, 1.1s					
NVAR	Mina Array Bea	63.98	300	P	03 18 32.5	-0.2	
NVAR		comp=Z, 0.7nm, 0.8s, baz=77, slow=6.0, SNR=5.9					
CPUP	Villa Florida	64.07	201	LR	03 44 16.5		
ARU	Arti	64.16	383	LR	03 45 44.3		
BBB	Bella Bella	64.57	317	LR	03 46 38.8		
PFO	Pinyon Flats O	64.70	294	LR	03 44 39.2		
PFO		comp=Z, 29m, 21.0s, baz=63, slow=34					
E25K	Arctic Village	64.93	337	P	03 18 38.5	+0.4	
E25K		comp=Z, 2.1nm, 0.8s					
LVC	Limon Verde	65.08	214	LR	03 44 02.2		
LVC		comp=Z, 1.05nm, 21.8s, baz=16, slow=33					
D24K	Happy Valley	65.38	339	P	03 18 42.2	+1.2	
YBK	Yreka Blue Hor	65.63	305	LR	03 47 42.1		
E24K	Your Creek	65.88	338	P	03 18 44.2	-0.1	
E24K		comp=Z, 3.0nm, 0.8s					
G24K	Hadweencrin R	66.31	336	P	03 18 48.1	+1.0	
G24K		comp=Z, 3.2nm, 1.0s					
AKTO	Aktuybinsk	66.44	44	LR	03 45 59.3		
ILAR	Eielson Array	67.17	334	P	03 18 53.2	+0.6	
ILAR		comp=Z, 0.8nm, 0.8s, baz=48, slow=5.8, SNR=5.8					
F20K	Avaraart Lake	68.72	339	P	03 19 03.4	+1.2	
J20K	Novinta River	70.06	336	P	03 19 12.5	+0.4	
J20K		comp=Z, 5.9nm, 0.9s					
MBAR	Mbarara	71.42	104	LR	03 51 15.3		
BVAR	Borovoye Array	71.80	38	P	03 19 21.7	+0.4	
BVAR		comp=Z, 0.3nm, 0.4s, baz=318, slow=1.9, SNR=1.9					
GEYT	Alibek	72.50	56	LR	03 53 54.0		
CFA	Coronel Fontan	72.68	208	LR	03 52 08.5		
KDAK	Kodiak Island	73.57	330	LR	03 52 28.5		
TSUM	Tsumeb	74.01	128	LR	03 46 12.7		
KURBB	Kurbukov Array	77.28	36	P	03 19 52.7	-0.5	
KURBB		comp=Z, 0.2nm, 0.2s, baz=317, slow=5.3, SNR=1.9					
LSZ	Lusaka	78.67	118	LR	03 53 27.8		
AAK	Ala-Archa	80.18	45	LR	03 56 10.3		
PLCA	Paso Flores	81.61	206	LR	03 56 27.7		
MKAR	Makanchi Array	81.68	38	P	03 20 16.5	-0.8	
MKAR		comp=Z, 0.4nm, 0.7s, baz=337, slow=3.3, SNR=3.2					
SEY	Seymchan	82.36	356	LR	03 54 04.3		
SUR	Sutherland	85.53	135	LR	03 52 10.9		
MA2	Magadan	85.79	307	LR	03 56 14.0		
SHEM	Shemys Is. Ala	89.35	342	LR	04 00 57.8		
SONM	Songino Array	91.12	24	LR	04 04 17.6		
PETK	Petropavlovsk	91.63	352	LR	04 01 19.1		
RPN	Rapa Nui	92.69	239	LR	03 55 29.5		
RPN		comp=Z, 33nm, 21.3s, baz=216, slow=31					
KLR	Kul'dur	95.63	8	LR	04		

Table with columns: Name, Comp, Az, El, AzE, ElE, AzM, ElM, AzS, ElS, AzN, ElN, AzP, ElP, AzR, ElR, AzB, ElB, AzO, ElO, AzA, ElA, AzM, ElM, AzS, ElS, AzN, ElN, AzP, ElP, AzR, ElR, AzB, ElB, AzO, ElO, AzA, ElA. Includes stations like ROVR, MARN, BALD, FRON, PCP, MGAB, DOSS, MDI, LUSI, ROTM, MUGIO, GBOS, PGF, MGRO, BRUN, LNSS, SAOF, ENR, A253A, SBF, TUE, SMRN, BHB, SABO, CALF, LSD, ENAUX, MBDF.

Table with columns: Name, Comp, Az, El, AzE, ElE, AzM, ElM, AzS, ElS, AzN, ElN, AzP, ElP, AzR, ElR, AzB, ElB, AzO, ElO, AzA, ElA. Includes stations like MBDF, RABC, NVLI, SOTA, VIRC, WTTA, DAVA, LPGA, MOTA, MYKA, LPL, WATA, TRIGR, LMR, FLAF, KBA, LESA, OBKA, PLIT, ORIF, MORI, SMRF, BALST, SULZ, SOKA, SLE, BOURR, KJUV, CABF, CHMF, KIZ, MOA, MOA, VIVF, VIVF, MOF, ARSA, ARSA, HINF, HINF, RONF, RIONF, RIC, RIC, CDF, CDF, HAU, HAU, LASF, LASF, CONA, CONA, RONA, RONA, CKRC, CKRC, KHC, KHC, SMF, SMF, PAGF, PAGF, SFTF, SFTF, LOR, LOR, ZVC, ZVC, AVF, AVF, MEZF, MEZF, SSF, SSF, BGF, BGF, NKC, NKC, MODS, MODS, MTLF, MTLF, CAF, CAF.

Table with columns: Name, Comp, Az, El, AzE, ElE, AzM, ElM, AzS, ElS, AzN, ElN, AzP, ElP, AzR, ElR, AzB, ElB, AzO, ElO, AzA, ElA. Includes stations like TCF, HYF, RJB, BRG, VYHS, VYHS, DPC, CHVC, OSTC, EPF, ETSF, GRR, SGMF.

JMA 06 05:15:21.0-0.8, 33°N, 2°14'E, h90km, MV3.0/11, E OFF HACHIOJIMA ISLAND
IDC 06 05:15:21.1-3.1, 32°14'N, 140°88'E, h0km, mb3.7/7, mbmp3.7/8, ML2.3/1, Error ellipse: s-maj=121.8km s-min=17.0km az=66.0
ISC 06 05:15:21.8-1.0, 32.34N, 0.06-141.16E, 0.1, h35km, n14, c322/17, mb3.8/7, Southeast of Honshu

IDC 06 05:25:00.9-1.7, 29.57N, 141°15'E, h0km, mb3.9/6, mbmp3.9/7, ML3.3/1, MS3.5/1, Error ellipse: s-maj=105.1km s-min=23.1km az=70.0
ISC 06 05:25:05.6-1.6, 29.58N, 0.3-141.33E, 0.6, h35km, n8, c095/10, mb4.0/6, Southeast of Honshu

SOME 06 05:34:53.4, 44°45'N, 82°50'E, h10km
NNC 06 05:34:56.1-5.4, 44°41'N, 82°42'E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=15.2km s-min=4.5km az=126.0
ISC 06 05:34:50.5-1.9, 44.30N, 0.08-83.0E, 0.1, h10km, n33, c1532/34, 4C-5D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like WARR, WRA, ASAR, etc.

IDC 06 05:52:49.9:1.4, 6.50S, 129.61E, h0km, mb3.9/2, mbmtmp3.7/4, ML3.8/2, Error ellipse: s-maj=100.5km s-min=29.3km az=68.0, Banda Sa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like WARR, WRA, ASAR, etc.

PRE 06 06:04:48.1:1.0, 26.42S, 27.37E, h2km, ML2.7 EAF 06 06:04:50.9, 26.38S, 27.64E, h10km, MC3.7 BUL 06 06:04:51.0:1.1, 26.36S, 27.61E, h10km, MD3.9 NAM 06 06:06:01.2:0.3, 26.12S, 20.29E, h15km, MD4.1 ISC 06 06:04:49.0:1.3, 26.35S, 0.04:27.41E, h23km, n24, c219/43, South Africa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like KSR, CRLN, LEPH, BOSA, PILG, MOPAN, MUSN, etc.

Table with columns: GRAF, GRAF, BRAK, BRAK, ARMS, FRAZ, FRAZ, MERW, MERW, AUSN, WIN, and station details.

ASRS 06 06:05:10.9:0.4, 49 N, 2.9' x 9.3'E, h10km, MLh3.6/16, Error ellipse: s-maj=5.1km s-min=2.7km az=175.6, confirmed ISC 06 06:05:05.0:1.5, 49.03N, 0.07:93.07E, 0.04, h10km, n23, c188/42, 1C-10, Mongolia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like ERNS, ERNS, CUR, CUR, ULGR, ULGR, DGZ, DGZ, AKAR, AKAR, CHBI, CHBI, DJO, DJO, CERR, CERR, YALR, YALR, YALR, YALR, TASR, TASR, ELDR, ELDR, LUBZ, LUBZ, UKR, UKR, MOY, MOY, MINR, MINR, ELT, ELT, ZAK, ZAK, BRCR, BRCR, GZLN, GZLN, MK31, MK31, MK31, MK31, MAKZ, MAKZ.

NEIC 06 06:06:48.9:2.8, 1.95S, 0.04:79.52W, h105km, gkm, mb4.1/6, Error ellipse: s-maj=8.1km s-min=4.9km az=72.0 IGQ 06 06:06:50.0:3.2, S, 2' x 2' @ 0W, h85km ISC 06 06:06:47.7:0.9, 1.99S, 0.05:79.53W, 0.06, h110km, gkm, n110, c153/111, Ecuador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like AMIL, AMIL, MILO, MILO, GYE3, GYE3, CHSH, CHSH, AQUE, AQUE, AZOG, AZOG, ACUE, ACUE, BMAS, BMAS, TUYU, TUYU, BBUL, BBUL, ARRY, ARRY, POND, POND, BRUN, BRUN, EULB, EULB, ACHZ, ACHZ, PPLP, PPLP, PPLP, PPLP, PIS1, PIS1, SALI, SALI, SALI, SALI, BOSC, BOSC, BOSC, BOSC, PAST, PAST, PIAT, PIAT, SLOR, SLOR, VCES, VCES, ARNL, ARNL, CAMI, CAMI, ANTS, ANTS, BREF, BREF, ISPT, ISPT, BTAM, BTAM, BVCC, BVCC, TAMB, TAMB, VC1, VC1, PITA, PITA, CABB, CABB, MAG1, MAG1, ANTM, ANTM, ANTG, ANTG, GGPT, GGPT, JUA2, JUA2, ARDO, ARDO, TING, TING, GUSG, GUSG, TERV, TERV, PINO, PINO, ANTI, ANTI, APR2, APR2, APR1, APR1, BV15, BV15, PULU, PULU, PULU, PULU, AV18, AV18, PAC1, PAC1, PAC1, PAC1, AMCR, AMCR, MCRA, MCRA, MCRA, MCRA, OTAV, OTAV, OTAV, OTAV, CAYR, CAYR, ANGU, ANGU, CUSE, CUSE, CUSE, CUSE, CUSW, CUSW, CUCU, CUCU, CAYA, CAYA, COTA, COTA.

Table with columns: IMBA, IMBA, AV21, YAHU, ZUM1, AMA1, AES2, ALIT, LITE1, BONI, TULM, YOTO, SNLR, CMBC, GCUF, CRUC, BBAC, PTLC, FLOC, POPC, GARC, JAMC, YOTO, MACC, PLMC, RBOC, CIOS, CZSB, YBTG, NNA, ETMB, BAUV, BAUV, SAML, SAML, MACA, MACA, MTJD, VILB, VILB, and station details.

IDC 06 06:08:59.3:3.4, 2.006S, 166.91E, h0km, mb3.6/3, mbmtmp3.6/3, ML2.5/1, Error ellipse: s-maj=63.3km s-min=30.6km az=60.0, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like DZM, DZM, WRA, WRA, ASAR, ASAR, VANDA, VANDA.

NEIC 06 06:33:03.8:1.8, 22.3S, 0.1:179.5W, 0.2, h585km, dkm, mb4.4/20, Error ellipse: s-maj=22.1km s-min=18.9km az=125.0 IDC 06 06:33:05.0:1.6, 22.2S, 105:179.68W, h595km, 15km, mb3.3/10, mbmtmp4.2/12, Error ellipse: s-maj=25.4km s-min=14.1km az=135.0 ISC 06 06:33:04.8:0.6, 22.27S, 0.09:179.7W, 0.1, h600km, n53, c191/54, mb4.1/19, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like MSVF, MSVF, MSVF, MSVF, MARNC, MARNC, PINNC, PINNC, DZM, DZM, DZM, DZM, URZ, URZ, URZ, URZ, RTZ, RTZ, RTZ, RTZ, EIDS, EIDS, ARMA, ARMA, CTAO, CTAO, TOO, TOO, STKA, STKA, BBOO, BBOO, AS31, ASAR, ASAR, ASAR, WB2, WB2, WB2, WB2, GSPA, GSPA, MJAR, MJAR, PEAOB, PEAOB, PETK, PETK, PNTR, PNTR, YERR, YERR, O16K, O16K, I03D, I03D, N15K, N15K, ILSW, ILSW, K15K, K15K, CAST, CAST, TXAR, TXAR, ILAR, ILAR, PDAR, PDAR.

Table with columns: Code, Station Name, Az, Phase, Time, Res, ISC. Includes stations like MKAR, KURBS, BVAR, etc.

IDC 06:35:57.0, 1.5:59S:173:03W, h0km, mb4.8/21, mbmp4.8/22, ML3.9/1, MS4.2/57, Error ellipse: s-maj=16.6km s-min=13.6km az=124.0...

MOS 06:35:58.4, 1.1, 15:60S:173:05W, h10km, mb5.3/25, Error ellipse: s-maj=10.7km s-min=9.1km az=67.5...

NEIC 06:36:00.3, 1.4, 15:59S:173:07W, h10km, mb5.0/19, mb5.4/15, Ms5.2/7, Ms7.4/97...

GCMT 06:36:09.0, 3.0, 15:61S:0:0:172:64W, 0:01, h54km, 1km, s/118.0194, Duration: 0, Moment tensor: Scalar 1016Nm; M= -4.31e+14; Mw=4.95e+12; Mo=0.64e+13; Ms=2.72e+10; Mv=1.79e+10; Mw=3.82e+09; Best double couple: M=6.85100e+10; N=1.05860e+10; P=2.62000e+10; N=0.05860e+10; P=3.02000e+10; P=-6.88200e+10; Az=76.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 06:35:59.2, 0.3, 15:67S:0:05:173:00W, 0.06, h10km, n720, r15/14675, mb5.3/17, MS4.3/61, 14C-44D, Samoa Islands region

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

Table with columns: Code, Station Name, Az, Phase, Time, Res, ISC. Includes stations like H11S3, H11S1, KIP, etc.

Table with columns: Code, Station Name, Az, Phase, Time, Res, ISC. Includes stations like IKP, ISA, CMB, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like MT05, MT05 Renca, MT14 Cerro Caljn, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like TX31, TX32, TXAR, MAW, DBIC, BOSA, TOAO, TORD, PDAR, NVAR, WRA, MSVF, STKA, WRA, ASAR, VYND, QSPA, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like NADR, DR08, NEDR, BANI, BANI, BANI, HATOM, HATOM, HATOM, MIDR, MIDR, MIDR, MIDR, PCDR, PCDR, PCDR, etc.

Table with columns: Station, Frequency, Mode, Class, and Time. Includes stations like Suanglung, Honiara, Dubbo College, etc.

Table with columns: Station, Frequency, Mode, Class, and Time. Includes stations like KSRs, MJAR, MAJO, etc.

Table with columns: Station, Frequency, Mode, Class, and Time. Includes stations like BNx, LBZ, MRNZ, etc.

CAST	Castle Rocks	91.20	26	P	P	09 34 42.2	-0.4
CHUM	Lake Minchumin	91.20	26	P	P	09 34 42.5	-0.1
G21K	Allakaket	91.31	23	P	P	09 34 43.0	0.0
GURO	Guroymak-BITLI	91.33	308	Iamb	Iamb	09 34 45.9	
H21K	Melozitna Rive	91.39	24	P	P	09 34 43.5	+0.1
SUA	Susitna One	91.41	28	P	P	09 34 43.5	-0.2
F21K	Alatina River	91.49	22	P	P	09 34 43.8	-0.3
C21K	Knifblade Rid	91.49	20	P	P	09 34 43.8	0.0
KIV	Kislovodsk	91.55	314	eP	pmax	09 34 43.3	-1.4
E21K	Killik River	91.60	21	P	P	09 34 44.0	-0.3
I21K	Tanana	91.62	25	P	P	09 34 44.3	-0.1
B21K	Ikpiukuk River	91.67	20	Iamb	Iamb	09 34 44.9	
B21K	Ikpiukuk River	91.67	20	P	P	09 34 44.4	-0.2
M22K	Willow	91.76	28	P	P	09 34 44.7	-0.3
SEW	Seward	91.78	30	P	P	09 34 44.7	-0.5
CUT	Chulitna	91.81	27	P	P	09 34 45.0	-0.4
RCW1	Rabbit Creek A	91.82	29	P	P	09 34 44.9	-0.6
BPAW	Bear Paw Mtn.	91.82	26	P	P	09 34 45.5	+0.1
H22K	Ishlitalina Cre	92.02	24	P	P	09 34 45.4	+0.1
F22K	John River	92.04	22	P	P	09 34 46.5	+0.1
D22K	Aiyikyak River	92.16	21	P	P	09 34 47.0	+0.2
G22K	Bettles	92.18	23	P	P	09 34 46.7	-0.3
P22K	Palmer	92.19	28	P	P	09 34 46.3	-0.8
B22K	Teshkepuk Lake	92.24	19	P	P	09 34 47.0	-0.2
E22K	Anaktuvuk Pass	92.31	22	Iamb	Iamb	09 34 48.9	
E22K	Anaktuvuk Pass	92.31	22	P	P	09 34 47.3	-0.3
P22K	Port Wells	92.45	29	P	P	09 34 47.9	-0.5
KNK	Knik Glacier	92.48	29	Iamb	Iamb	09 34 48.8	
KNK	Knik Glacier	92.48	29	P	P	09 34 48.1	-0.4
BWN	Browne	92.49	26	Iamb	Iamb	09 34 48.9	
SML	Sawmill	92.60	28	P	P	09 34 48.6	-0.6
MCK	McKinley	92.64	26	P	P	09 34 48.3	-0.9
WAT1	Susitna Watana	92.67	27	P	P	09 34 48.7	-0.7
I23K	Minto, Yukon-K	92.70	25	Iamb	Iamb	09 34 50.1	
I23K	Minto, Yukon-K	92.70	25	P	P	09 34 49.0	-0.4
G23K	Bananza Creek	92.71	23	Iamb	Iamb	09 34 50.5	
G23K	Bananza Creek	92.71	23	P	P	09 34 49.4	-0.1
NEA2	Nenana	92.73	25	P	P	09 34 49.3	-0.2
COLD	Coldfoot	92.74	23	P	P	09 34 49.5	0.0
H23K	Yukon River	92.75	24	Iamb	Iamb	09 34 50.5	
H23K	Yukon River	92.75	24	P	P	09 34 49.6	-0.1
D23K	Nanushuk River	92.89	21	P	P	09 34 50.0	-0.2
M23K	Glacier View	92.89	28	P	P	09 34 49.7	-0.7
WAT2	Susitna Watana	93.00	27	P	P	09 34 50.4	-0.7
GLI	Glacier Island	93.05	29	P	P	09 34 50.6	-0.5
C23K	Iktilik River	93.07	20	Iamb	Iamb	09 34 51.7	
C23K	Iktilik River	93.07	20	P	P	09 34 50.7	-0.3
SCM	Sheep Creek Mo	93.08	28	Iamb	Iamb	09 34 52.4	
SCM	Sheep Creek Mo	93.08	28	P	P	09 34 50.7	-0.7
E23K	Chandler	93.11	22	P	P	09 34 51.4	0.0
VRH	Novokhoporsky	93.11	321	eP	pmax	09 34 48.7	-2.9
VRH	Wood River	93.13	26	Iamb	Iamb	09 34 51.1	
TOLK	Toolik Lake Re	93.22	21	P	P	09 34 51.7	-0.2
Q23K	Middleton Isla	93.23	31	P	P	09 34 51.8	-0.1
DHY	Denali Highway	93.23	27	Iamb	Iamb	09 34 52.6	
DHY	Denali Highway	93.23	27	P	P	09 34 51.5	-0.6
CCB	Clear Creek Bu	93.28	25	P	P	09 34 50.4	-1.6
H24K	Noodor Dome	93.42	24	Iamb	Iamb	09 34 53.6	
H24K	Noodor Dome	93.42	24	P	P	09 34 52.6	-0.2
LODK	Lodwar	93.48	273	P	P	09 34 54.8	+0.5
E24K	Your Creek	93.53	22	P	P	09 34 52.7	-0.5
D24K	Happy Valley	93.58	21	Iamb	Iamb	09 34 54.5	
D24K	Happy Valley	93.58	21	P	P	09 34 53.1	-0.2
HDA	Harding Lake	93.61	26	Iamb	Iamb	09 34 53.3	
HDA	Harding Lake	93.61	26	P	P	09 34 52.8	-0.9
M24K	Tolsoma, Glenn	93.66	28	P	P	09 34 53.5	-0.4
EYAK	Cordova Ski Ar	93.67	30	P	P	09 34 53.5	-0.4
F24K	Squaw Lake	93.67	23	P	P	09 34 53.4	-0.5
ILAR	Eielson Array	93.69	25	P	P	09 34 51.4	-2.6
ILAR	Eielson Array	93.69	25	P	P	09 34 51.7	-0.7
KLU	Klutina	93.70	29	P	P	09 34 53.9	-0.3
C24K	Franklin Bluff	93.71	20	P	P	09 34 54.0	0.0
G24K	Hadweenzic Riv	93.71	23	Iamb	Iamb	09 34 55.1	
G24K	Hadweenzic Riv	93.71	23	P	P	09 34 54.0	-0.1
K24K	Donnelly Dome	94.04	26	P	P	09 34 55.4	-0.3
PAX	Paxson	94.08	27	P	P	09 34 55.6	-0.4
HARP	HAARP	94.16	28	P	P	09 34 56.2	0.0
KAIM	Kayak Island	94.26	30	P	P	09 34 56.7	0.0
G25K	Bearman Lake	94.26	23	P	P	09 34 56.7	+0.2
BMRM	Bremner River	94.27	29	P	P	09 34 56.8	0.0
H25L	Birch Creek	94.31	24	P	P	09 34 56.8	+0.1
J25K	Salcha River,	94.31	26	P	P	09 34 56.7	-0.2

N25K	Chitina, Valde	94.34	29	P	P	09 34 57.0	-0.1
D25K	Kavik River	94.46	21	P	P	09 34 57.2	-0.3
F25K	Christian Rive	94.53	23	P	P	09 34 57.9	+0.1
FYU	Fort Yukon	94.58	24	Iamb	Iamb	09 34 59.3	
VORD	Divnogorie	94.61	321	eP	pmax	09 34 56.0	-2.4
E25K	Arctic Village	94.62	22	P	P	09 34 58.1	-0.1
VSR	Storozhevoje	94.71	321	eP	pmax	09 34 56.4	-2.5
VORR	Voronezh	94.72	321	eP	pmax	09 34 56.3	-2.6
SCRK	Sand Creek	94.85	26	P	P	09 34 59.2	-0.2
BMAR	Burnt Mountain	94.92	23	P	P	09 34 59.5	-0.1
C26K	Camden Bay	95.04	20	P	P	09 35 00.3	+0.3
L26K	Log Cabin Wild	95.05	27	P	P	09 35 00.2	-0.1
BELA	Belgrano 2	95.07	184	P	P	09 34 59.7	-0.5
J26L	Joseph Creek	95.08	26	P	P	09 35 00.5	0.0
F26K	Sheenjek River	95.11	23	P	P	09 35 00.8	+0.3
G26K	Purcupine Rive	95.19	23	P	P	09 35 01.0	+0.2
KLMR	Klimovskoe	95.26	331	eP	AMP	09 34 57.6	-3.6
KLMR	Klimovskoe	95.26	331	eP	AMP	09 35 01.4	
KLMR	Klimovskoe	95.26	331	eP	AMP	09 34 56.6	+0.5
KLMR	Klimovskoe	95.26	331	eP	AMP	09 34 57.6	-3.6
KLMR	Klimovskoe	95.26	331	eP	AMP	09 38 56.6	
I26K	Coal Creek Min	95.32	25	P	P	09 35 01.7	+0.3
ANN	Anapa	95.39	314	eP	pmax	09 35 01.5	-0.6
MESA	MESA	95.51	30	P	P	09 35 02.7	+0.1
M27K	Eagle Creek, AK	95.68	28	P	P	09 35 03.4	+0.1
K27K	Chicken	95.69	26	Iamb	Iamb	09 35 04.8	
K27K	Chicken	95.69	26	P	P	09 35 03.5	-0.4
L27K	Beaver Creek,	95.75	27	Iamb	Iamb	09 35 04.5	
L27K	Beaver Creek,	95.75	27	P	P	09 35 03.8	+0.4
BCAR	Beaver Creek A	95.77	27	P	P	09 35 02.2	-1.4
CTG	Chitna Glacier	95.86	29	P	P	09 35 04.2	+0.1
I27K	Kandik River	95.98	25	P	P	09 35 04.7	+0.3
G27K	Doyon Strip	96.02	23	P	P	09 35 04.9	+0.3
H27K	Steamboat Moun	96.04	24	P	P	09 35 05.1	+0.4
E27K	Coleen River	96.11	22	P	P	09 35 05.1	+0.1
EGAK	Eagle	96.13	26	P	P	09 35 05.2	+0.1
MMAI	Mount Meron Ar	96.16	302	P	P	09 35 05.4	-0.6
D27M	Malcolm River	96.38	21	P	P	09 35 06.4	+0.2
OBN	Obninsk	96.51	325	eP	pmax	09 35 05.4	-1.5
I28M	Miner Creek	96.67	25	Iamb	Iamb	09 35 08.6	
I28M	Miner Creek	96.67	25	P	P	09 35 07.7	+0.1
F28M	Old Crow	96.74	23	Iamb	Iamb	09 35 08.5	
F28M	Old Crow	96.74	23	P	P	09 35 07.8	0.0
DAWY	Dawson	96.88	26	P	P	09 35 08.0	-0.5
DAWY	Dawson	96.88	26	P	P	09 35 08.7	+0.2
DAWY	Dawson	96.88	26	P	P	09 35 09.1	
E28M	Babbage River	96.88	22	Iamb	Iamb	09 35 09.1	
E28M	Babbage River	96.88	22	P	P	09 35 08.3	-0.1
YUK4	Talbot Arm	97.18	29	P	Pdf	09 35 10.3	+0.1
O29M	Mount Kennedy	97.20	30	P	P	09 35 10.1	-0.1
M29M	Somme Creek	97.28	28	P	Pdf	09 35 10.8	+0.4
H29M	Whitestone	97.32	24	P	Pdf	09 35 11.1	+0.6
I29M	Oglivie Camp,	97.35	25	P	Pdf	09 35 11.2	+0.5
L29M	L29M	97.43	27	P	Pdf	09 35 11.6	+0.6
G29M	Pine Creek	97.46	23	P	Pdf	09 35 11.6	+0.6
K29M	Blow River	97.48	22	P	P	09 35 10.7	-0.4
K29M	Blow River	97.48	22	P	P	09 35 12.3	-0.1
HYT	Haines Junctio	97.73	30	P	P	09 35 12.3	-0.3
N30M	Aishikik Lake	97.93	29	P	Pdf	09 35 13.3	0.0
BRTR	Keskin Array B	97.93	309	P	P	09 35 12.6	-1.4
EPYK	Eagle Plains	97.99	24	P	P	09 35 13.4	-0.1
M30M	Min Yukon	98.05	28	P	P	09 35 13.6	-0.3
G30M	Atoh Zrai Nji	98.16	23	P	P	09 35 13.9	-0.4
I30M	Mount Dempster	98.16	25	P	P	09 35 14.2	-0.2
J30M	Hart River	98.20	26	P	Pdf	09 35 14.6	0.0
S31K	Pelican	98.41	32	P	P	09 35 15.5	+0.1
O30N	Mendenhall	98.42	30	P	Pdf	09 35 15.3	-0.2
MAYO	Mayo, Yukon	98.43	27	P	P	09 35 15.5	0.0
G31M	Satah River	98.93	23	P	P	09 35 17.7	+0.1
F31M	White						

TNCH	S	S	10 24 37.6 +1.0
TNCH	S	S	
comp=Z,95nm,0.7s	pmax	pmax	
TNCH	S	S	
comp=Z,240nm,3.5s	pmax	pmax	
TNCH	LR	LR	
comp=N,430nm,16.1s	LR	LR	
TNCH	LR	LR	
comp=E,660nm,15.7s	LR	LR	
TNCH	LR	LR	
comp=Z,420nm,19.5s	LR	LR	
EIL	40.48 315 LR		10 33 32.4
Elat	40.48 315 LR		10 33 32.4
comp=Z,198nm,21.1s,baz=70,slow=33	P	P	10 19 05.7 +0.7
Ala-Arc4	40.64 9 P		10 35 40.7
Ala-Arc4	40.64 9 LR		
Ala-Arc4	40.64 9 LR		
comp=Z,543nm,20.7s,baz=202,slow=36	P	P	10 19 06.0 +0.2
KKAR Karatay Array	40.65 4 P		10 19 12.9 +2.3
ASF Jabal al Asfar	40.71 320 LR		10 21 01.2 -8.1
comp=Z,343nm,19.1s,baz=112,slow=35	P	P	10 25 30.2 +5.0
BROOM Boomske usch	40.74 11 P		
PZH PanZhihua	41.31 51 P		
PZH	PP	PcP	
PZH	SS	S	
comp=Z,10.0nm,0.9s	pmax	pmax	
PZH	pmax	pmax	
comp=Z,210nm,6.8s	LR	LR	
PZH	LR	LR	
comp=N,420nm,19.4s	LR	LR	
PZH	LR	LR	
comp=E,260nm,21.6s	LR	LR	
PZH	LR	LR	
comp=Z,370nm,21.5s	LR	LR	
LEM Lembang	41.92 103 LR		10 34 08.8
comp=Z,439nm,20.0s,baz=237,slow=32	LR	LR	
LSZ Lusaka	41.92 244 LR		10 34 28.3
comp=Z,1µm,19.0s,baz=108,slow=33	LR	LR	
MMAI Mount Meron Ar	42.22 320 LR		10 36 03.8
comp=Z,284nm,18.0s,baz=107,slow=35	LR	LR	
GNI Garni	42.47 335 P		10 19 19.8 -0.3
GNI Garni	42.47 335 P		10 19 20.9 +0.8
GNI Garni	42.47 335 P		10 19 20.9 +0.8
GNI Garni	42.47 335 LR		10 19 20.9 +0.8
GOMU GeErMu	42.51 34 P		10 19 21.1 +0.5
GOMU	pP	pP	10 19 26.0 -0.7
GOMU	SP	SP	10 19 27.9 +4.0
GOMU	PcP	PcP	10 21 08.9 -4.5
GOMU	S	S	10 25 23.9 -1.9
GOMU	sS	sS	10 25 44.4 -1.8
GOMU	LR	LR	10 35 01.6
MATP Matopo	43.75 237 LR		
comp=Z,333nm,20.7s,baz=161,slow=32	P	P	10 19 37.7 -0.2
ARPR Arapigj-MALATY	44.69 328 P		10 19 40.6
ARPR	IAMB	IAMB	
GYA Guiyang	45.21 54 P		10 19 45.4 +3.2
WYA Wuyang	45.21 54 P		
WMQ Wumeng	45.25 21 P		10 19 44.2 +2.0
WMQ	LR	LR	
comp=N,600nm,20.7s	LR	LR	
WMQ	LR	LR	
comp=E,710nm,13.7s	LR	LR	
WMQ	LR	LR	
comp=Z,510nm,27.1s	LR	LR	
QIZ Qiongzong	45.36 66 P		10 19 44.5 +1.1
QIZ	S	S	10 26 26.4 +1.8
QIZ	S	S	
comp=E,890nm,20.6s	LR	LR	
QIZ	LR	LR	
comp=Z,830nm,22.2s	LR	LR	
SBUM Sibiu	45.53 89 P		10 19 47.0 +2.2
SBUM	IAMB	IAMB	10 19 50.3
MAKZ Makanchi	46.18 15 P		10 19 49.5 +0.1
MAKZ	IAMB	IAMB	10 19 55.9
comp=Z,6.7nm,1.2s	P	P	
MKAR Makanchi Array	46.24 15 P		10 19 48.8 -1.1
MKAR Makanchi Array	46.24 15 P		10 19 47.3 -2.6
comp=Z,0.4nm,0.7s,baz=194,slow=10,SNR=4.9	PcP	PcP	10 21 24.8 -0.7
MKAR	LR	LR	
comp=Z,0.2nm,0.4s,baz=228,slow=5.6,SNR=2.9	LR	LR	10 40 02.9
MKAR	LR	LR	
comp=Z,355nm,20.8s,baz=118,slow=37	LR	LR	
ABKAR Akbulak array	47.00 354 P		10 19 54.1 -1.7
ABKAR Akbulak array	47.00 354 P		10 19 54.5 -1.3
ABKAR	IAMB	IAMB	10 20 02.5
comp=Z,1.6nm,1.3s	P	P	
GTA Gaotai	47.58 35 P		10 20 07.8 +7.1
GTA	pmax	pmax	
comp=Z,6.0nm,1.0s	P	P	
BRTR Keskin Array B	47.70 325 P		10 19 55.5 -6.1
BRTR	PcP	PcP	10 21 30.0 -1.0
comp=Z,1.1nm,0.7s,baz=134,slow=11,SNR=5.2	P	P	
BRTR	PcP	PcP	10 21 30.0 -1.0
comp=Z,1.2nm,0.9s,baz=114,slow=2.4,SNR=2.9	LR	LR	
BRTR	LR	LR	
comp=Z,233nm,18.0s,baz=134,slow=38	LR	LR	
AKTO Aktyubinsk	48.39 353 LR		10 41 53.7
comp=Z,1.1nm,0.7s	LR	LR	
BBKI Banjar Baru	48.53 97 P		10 20 02.8 -5.5
KURBB Kurchatov Arra	49.06 10 P		10 20 08.0 -3.7
comp=Z,0.7nm,0.2s,baz=207,slow=7.5,SNR=1.7	LR	LR	
KURBB	LR	LR	10 40 17.9
comp=Z,309nm,20.6s,baz=176,slow=36	P	P	
KURK Kurchatov	49.17 10 P		10 20 11.5 -1.0
KURK	IAMB	IAMB	10 20 19.0
comp=Z,6.4nm,1.1s	P	P	
KURK	P	P	10 20 12.9 +0.4
KURK	P	P	10 20 12.9 +0.4
H04N2 CROZET ISLANDS	50.14 193 T		11 14 16.9
H04N1 CROZET ISLANDS	50.14 193 T		11 14 20.1
H04N3 CROZET ISLANDS	50.14 193 T		11 14 19.0
BOSA Bosha	50.28 229 P		10 20 20.2 -1.3
comp=Z,3.0nm,0.8s,baz=255,slow=5.2,SNR=5.3	LR	LR	10 39 48.3
BOSA	LR	LR	
comp=Z,732nm,18.7s,baz=33,slow=34	P	P	
XAN Xi'an	50.41 46 P		10 20 23.0 +0.6
XAN	pP	pP	10 20 27.9 -0.5
comp=Z,28nm,1.3s	P	P	
Borovoye Array	50.52 3 P		10 20 19.5 -3.3
BVAR	PcP	PcP	10 21 40.0 -0.7
comp=Z,0.5nm,0.4s,baz=134,slow=6.2,SNR=2.3	LR	LR	10 43 00.7
BVAR	LR	LR	
SMKI Samarinda	50.63 93 P		10 20 27.4 +3.1
IDI Anovia	50.66 115 LR		10 42 38.7
comp=Z,81nm,21.2s,baz=88,slow=37	LR	LR	
TWSI Taliwang, Sumb	51.29 103 P		10 20 25.7 -3.6
PLAI Plampang	52.18 103 P		10 20 32.7 -3.2
comp=Z,1.6nm,1.4s,comp=Z,2.0nm	P	P	
TSUM Tsumeb	52.77 244 LR		10 40 45.1
comp=Z,1µm,20.4s,baz=128,slow=34	P	P	
MPSI Mapaga	53.58 91 P		10 20 43.4 -0.6
KAPI Kappang	53.97 98 LR		10 42 00.9
comp=Z,1.23nm,20.1s,baz=270,slow=34	P	P	
BKSI Bulukumba	53.97 98 P		10 20 46.6 -2.5
comp=Z,1.1nm,0.9s	P	P	
MRSI Marisa	55.31 91 P		10 20 57.0 -1.9
comp=Z,1.3nm,2.0s	P	P	
SUR Sutherland	55.49 227 LR		10 41 55.3
comp=Z,1µm,19.5s,baz=66,slow=33	LR	LR	
HHC Hu-ho-hao-te	55.66 40 P		10 21 03.0 +1.9
HHC	SS	SS	10 28 50.0 +2.6
HHC	SS	SS	10 28 54.0 +2.6
HHC	SS	SS	10 32 27.5 -5.3
comp=Z,26nm,0.6s	pmax	pmax	
HHC	pmax	pmax	
comp=Z,220nm,4.5s	LR	LR	
HHC	LR	LR	
comp=N,840nm,19.6s	LR	LR	
HHC	LR	LR	
comp=E,540nm,18.7s	LR	LR	
HHC	LR	LR	
comp=Z,1µm,17.9s	LR	LR	

GTOI Gorontalo	56.37 91 P		10 21 04.1 -2.4
comp=Z,6.5nm,0.8s	P	P	
MORW Morawa	56.71 127 P		10 21 10.7 +2.0
SOMN Songino Array	56.73 31 P		10 21 07.5 -1.1
SOMN	IAMB	IAMB	10 21 17.1
SOMN Songino Array	56.73 31 P		10 21 06.1 -2.5
comp=Z,1.7nm,1.3s	P	P	
SOMN	LR	LR	10 45 26.9
comp=Z,283nm,21.6s,baz=224,slow=36	LR	LR	
ULN Ulanbaatar	57.09 31 P		10 21 12.6 +1.4
ULN	IAMB	IAMB	10 21 15.5
comp=Z,8.4nm,1.4s	P	P	
NJ2 Nanjing	57.17 53 P		10 21 13.1 +1.2
NJ2	pP	pP	10 21 16.4 +1.1
NJ2	sP	sP	10 21 18.3 +0.4
NJ2	pmax	pmax	
comp=Z,9.0nm,0.5s	pmax	pmax	
NJ2	pmax	pmax	
TIA Tai'an	57.39 48 P		10 21 20.2 +6.9
TIA	pmax	pmax	
comp=Z,11nm,1.2s	P	P	
AKASG Malin Array Be	57.51 333 P		10 21 09.6 -4.3
comp=Z,0.2nm,0.3s,baz=139,slow=6.1,SNR=5.8	PcP	PcP	10 22 06.9 -0.5
AKASG	LR	LR	10 47 31.0
comp=Z,0.4nm,0.3s,baz=111,slow=3.0,SNR=1.8	LR	LR	
AKASG	LR	LR	
comp=Z,106nm,19.6s,baz=142,slow=38	LR	LR	
H01W3 Cape Leeuwin H	57.92 134 T		11 24 03.2
comp=Z,300,slow=75,SNR=14	T	T	11 24 03.9
H01W2 Cape Leeuwin H	57.93 134 T		11 24 10.2
comp=Z,300,slow=75,SNR=106	T	T	11 24 11.8
H01W1 Cape Leeuwin H	57.94 134 T		11 24 11.8
comp=Z,300,slow=75,SNR=12	T	T	
DAV Davao City (W)	58.88 83 LR		10 48 00.2
comp=Z,7.0nm,20.2s,baz=246,slow=37	LR	LR	
VAE Valguenera	59.18 313 LR		10 45 12.2
comp=Z,7.1nm,19.3s,baz=142,slow=34	LR	LR	
TNTI Ternate	60.72 90 P		10 21 39.0 +2.2
TNTI Ternate	60.72 90 P		10 21 35.6 -1.2
comp=Z,2.5nm,1.2s	P	P	
LBMI Labuha	60.92 92 P		10 21 36.0 -2.2
comp=Z,7.2nm,1.0s	P	P	
KLMM Klimovskoe	61.83 345 P		10 21 39.5 -4.0
KLMM	AMP	AMP	10 21 48.8
comp=Z,4.7nm,1.8s	LR	LR	
KEST Kesra	62.38 309 LR		10 48 58.0
comp=Z,139nm,18.1s,baz=226,slow=36	LR	LR	
KRUC Moravsky	63.13 325 P		10 21 48.9 -3.5
VRAC Vranov	63.15 326 P		10 21 50.2 -2.3
VRAC Vranov	63.15 326 LR		10 51 07.5
comp=Z,80nm,19.8s,baz=106,slow=38	LR	LR	
JOW Kumigami	63.70 51 LR		10 49 04.2
comp=Z,84nm,22.0s,baz=138,slow=36	LR	LR	
TORD Torodi Ar. Bea	65.06 283 P		10 22 00.7 -5.0
comp=Z,0.5nm,0.8s,baz=153,slow=11,SNR=2.2	LR	LR	
TORD	LR	LR	10 50 32.9
comp=Z,265nm,19.0s,baz=100,slow=36	LR	LR	
BRG Berggiesshubel	65.41 326 P		10 22 11.9 +4.6
BRG	AMP	AMP	10 22 14.1
comp=Z,3.3nm,0.9s	P	P	
KRSR Korea Array	65.95 50 P		10 22 09.1 -2.0
comp=Z,0.8nm,0.7s,baz=297,slow=9.7,SNR=2.1	LR	LR	10 53 33.1
KRSR	LR	LR	
comp=Z,268nm,19.1s,baz=255,slow=38	LR	LR	
DAVOX Davos/Dischmat	65.99 321 LR		10 51 21.0
comp=Z,1.01nm,18.3s,baz=85,slow=37	LR	LR	
CLL Collm	66.14 326 I		10 22 11.6 -0.4
comp=Z,22nm,1.6s	L	L	10 52 00.0
CLL	L	L	
comp=Z,100nm,19.5s	P	P	
FINES FINES Array B	66.32 340 P		10 22 09.0 -4.0
comp=Z,4.5nm,0.9s,baz=230,slow=8.6,SNR=5.2	LR	LR	10 51 54.0
FINES	LR	LR	
comp=Z,123nm,19.4s,baz=76,slow=37	LR	LR	
JNU Nakatsue	67.21 55 LR		10 53 08.0
comp=Z,1.6nm,21.3s,baz=248,slow=37	LR	LR	
SENIN Lac Senin/Sane	67.47 320 P		10 22 17.9 -3.0
BNX BinXian	68.17 41 P		10 22 27.0 +1.9
BNX	pmax	pmax	
comp=Z,8.0nm,1.1s	pmax	pmax	
MDJ Mudjanjing	69.27 43 P		10 22 35.0 +3.1
MDJ	pP	pP	10 22 38.2 -0.1
MDJ	sP	sP	10 22 40.5 +4.7
MDJ	PcP	PcP	10 22 58.5 +2.9
MDJ	PP	PP	10 25 09.3 +4.3
MDJ	sS	sS	10 31 42.1 +3.7
MDJ	sS	sS	10 31 47.3 +4.8
MDJ	SS	SS	10 32 35.2 +2.0
MDJ	SS	SS	10 36 09.4 +4.3
MDJ	pmax	pmax	
MDJ	pmax	pmax	
comp=Z,370nm,4.0s	LR	LR	
MDJ	LR	LR	
comp=N,220nm,16.5s	LR	LR	
MDJ	LR	LR	
comp=E,200nm,14.6s	LR	LR	
MDJ	LR	LR	
comp=Z,300nm,17.3s	P	P	
HEH Heihe	69.79 37 P		10 22 33.8 -1.2
HEH	pmax	pmax	
comp=Z,6.0nm,0.7s	pmax	pmax	
HEH	pmax	pmax	
MAW Mawson	69.93 182 LR		10 46 00.3
comp=Z,248nm,20.3s,baz=15.5,slow=30	LR	LR	
WRA Warrungarra Arr	69.97 112 P		10 22 37.5 +0.7
comp=Z,5.8nm,0.8s,baz=190,slow=5.8,SNR=4.5	P	P	
WRA	P	P	
comp=Z,6.6nm,0.8s	P	P	
WR0 Warrungarra Arr	70.16 112 IAMB	IAMB	10 22 39.8
comp=Z,6.5nm,0.8s	IAMB	IAMB	
HFS Hagfjell	70.26 335 P		10 22 34.7 -3.0
comp=Z,1.1nm,0.7s,baz=131,slow=6.8,SNR=2.1	P	P	
ASAR Alice Springs	70.29 116 P		10 22 39.8 +1.1
comp=Z,2.8nm,0.7s,baz=282,slow=6.0,SNR=3.7	P	P	
ASAR	P	P	
comp=Z,2.8nm,0.7s	P	P	
AS31 Alice Springs	70.29 116 P		10 22 39.9 +1.2
DBIC Dimbokro	71.35 276 P		10 22 42.9 -2.4
comp=Z,3.0nm,0.7s,baz=116,slow=5.1,SNR=3.8	LR	LR	10 53 48.4
DBIC	LR	LR	
comp=Z,142nm,18.8s,baz=72,slow=36	LR	LR	
NB2 NORARS Subarra	71.78 335 P		10 22 44.3 -2.7
comp=Z,3.0nm,0.7s	P	P	
NB2 NORARS Subarra	71.78		

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like San Alfonso, Las Melosas, Juan Fernandez, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SUR Sutherland, ECSD EROS Data, MAW Mawson, etc.

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

6d 11h

mblmp3.9/4, Error ellipse: s-maj=207.9km s-min=37.4km az=31.0

NEIC 06 11:06:59.9, 1.6, 23.7S, 0.1, 177.2W, 0.2, h168km, 11km, mb4, 1.1, Error ellipse: s-maj=24.3km s-min=21.0km az=114.0

ISC 06 11:06:59.7, 0.2, 23.6S, 0.1, 177.2W, 0.1, h167km, n37, c=227/35, mb3.9/10, South of Fij Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like NIUE, AFI, DUWZ, WEL, BHW, etc.

TAP 06 11:11:25.9, 23.03N, 120.95E, h7km, 1km, ML1.3, C, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ELDTW, LONT, STYH, etc.

TAP 06 11:11:30.5, 23.78N, 121.65E, h51km, ML1.9, C, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TEGC, ESL, EGHF, etc.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like EHY, EHL, ETHL, etc.

IOC 06 11:18:02.6, 1.9, 2.28S, 76.70W, h124km, 17km, mb4, 1/17, mblmp4.5/21, MS3.6/2, Error ellipse: s-maj=16.4km s-min=10.3km az=67.0

NEIC 06 11:18:03.5, 1.4, 2.45S, 0.06, 76.80W, 0.07, h125km, 7km, mb4.5/109, Error ellipse: s-maj=11.0km s-min=9.3km az=73.0

VAO 06 11:18:04.9, 0.4, 2.25S, 76.48W, h123km, mb4.8

ISC 06 11:18:02.7, 0.3, 2.42S, 0.05, 76.75W, 0.06, h125km, n428, c180/48, mb4.5/64, 2C-2D, Peru-Ecuador border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like BOSC, CHSH, SJOR, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like UREC, APAC, PAMC, etc.

TUL3	comp=Z,7.0nm,1.1s Leonard	42.08 337	P	P	11 25 42.0	-0.3
POST	Post	42.34 329	P	I Amb	11 25 44.1	-0.5
WMOK	comp=Z,7.0nm,0.8s Wichita Moun	42.36 333	P	I Amb	11 25 44.0	-0.6
WMOK	comp=Z,5.7nm,0.8s Wichita Moun	42.36 333	P	P	11 25 44.0	-0.6
PECS	Pecos	42.36 325	P	I Amb	11 25 45.0	+0.3
PECS	Cathedral Cave	42.45 343	P	P	11 25 44.4	-0.8
DKNS	Dickens	42.52 330	P	I Amb	11 25 46.2	+0.2
DKNS	comp=Z,21nm,0.7s Indio Mountain	42.60 323	P	I Amb	11 25 46.7	-0.1
425A	425A	42.60 323	P	I Amb	11 25 48.0	
SMWD	comp=Z,6.9nm,0.7s Samnorwood	43.34 332	P	I Amb	11 25 53.0	+0.5
SMWD	comp=Z,3.0nm,0.6s Cornudas Mount	43.48 324	P	P	11 25 53.8	+0.1
MNTX	Cornudas Mount	43.48 324	P	P	11 25 54.1	+0.4
MNTX	comp=Z,136,SNR=11 Muleshoe	43.71 328	P	I Amb	11 25 54.9	-0.8
MSTX	Muleshoe	43.71 328	P	I Amb	11 25 56.5	
MSTX	comp=Z,10.0nm,0.7s Muleshoe	43.71 328	P	P	11 25 55.7	+0.1
MSTX	comp=Z,141,SNR=8.0 Amarillo	43.87 330	P	P	11 25 56.6	-0.2
AMTX	Amarillo	43.87 330	P	P	11 25 57.1	+0.3
AMTX	comp=Z,143 Cooks Peak, D	45.52 322	P	P	11 26 10.4	+0.3
121A	Cooks Peak, D	45.52 322	P	P	11 26 11.2	+1.1
121A	comp=Z,134,SNR=5.5 Rita Blanca	45.62 330	P	I Amb	11 26 10.9	+0.2
RTBA	RTBA	45.62 330	P	I Amb	11 26 44.5	
319A	comp=Z,14nm,1.2s Douglas	45.67 320	P	I Amb	11 26 12.0	+0.8
319A	Cedar Bluff	46.18 335	P	P	11 26 14.9	-0.1
CBKS	comp=Z,15nm,1.2s Albuquerque	46.45 326	P	P	11 26 17.7	+0.3
ANMO	Albuquerque	46.45 326	P	P	11 26 17.8	+0.5
ANMO	Trinidad	47.00 330	P	I Amb	11 26 21.9	+0.2
T25A	T25A	47.00 330	P	I Amb	11 26 22.5	+0.8
T25A	comp=Z,11nm,1.1s Trinidad	47.00 330	P	P	11 26 23.4	-0.1
TUC	Tucson	47.25 320	P	P	11 26 23.7	+0.2
TUC	comp=Z,131 Great Sand Dun	48.02 329	P	I Amb	11 26 30.0	+0.4
SDCO	SDCO	48.02 329	P	I Amb	11 26 30.2	+0.6
SDCO	comp=Z,9.0nm,0.9s Great Sand Dun	48.36 318	P	I Amb	11 26 32.2	+0.2
214A	Organ Pipe Nat	48.36 318	P	I Amb	11 26 33.7	
214A	comp=Z,8.0nm,1.0s Organ Pipe Nat	48.36 318	P	P	11 26 32.6	+0.7
W18A	Petrified Fore	48.47 323	P	P	11 26 33.9	+0.9
S22A	4UR Ranch, Cre	48.72 328	P	P	11 26 35.8	+0.9
X16A	Lo Mia Camp, P	49.04 321	P	P	11 26 38.1	+0.8
MVCO	Mesa Verde	49.23 326	P	P	11 26 39.6	+0.8
ISCO	comp=Z,136 Idaho Springs	49.66 331	P	P	11 26 42.4	+0.3
ISCO	Idaho Springs	49.66 331	P	P	11 26 42.5	+0.3
WUAZ	Wupatki	49.73 323	P	P	11 26 43.5	+1.0
N23A	comp=Z,132,SNR=6.2 Red Fisher La	50.67 331	P	P	11 26 49.8	+0.2
U15A	North Rim	50.89 323	P	P	11 26 51.8	+0.5
HMU	Henry Mountain	51.00 325	P	I Amb	11 26 52.4	+0.2
IKP	comp=Z,8.1nm,0.8s In-Ko-Pah, Jac	51.01 317	P	P	11 26 53.0	+0.9
W13A	Hualapai Mount	51.02 320	P	I Amb	11 26 53.1	+0.8
W13A	Big Chuckawall	51.16 318	P	P	11 26 54.0	+0.8
BC3	comp=Z,4.5nm,0.8s Iron Mountain	51.25 319	P	P	11 26 55.0	+1.2
IRM	Iron Mountain	51.25 319	P	P	11 26 57.0	+0.5
KNB	Kanab	51.59 323	P	P	11 26 58.8	+0.4
LCMT	Little Creek M	51.85 323	P	P	11 26 60.0	+0.7
GMRC	Granite Mounta	51.97 319	P	P	11 26 59.7	-0.3
P17A	Butcher Ranch,	52.08 327	P	I Amb	11 27 00.8	
P17A	comp=Z,3.6nm,0.7s Murieta	52.30 317	P	P	11 27 02.7	+1.1
M2C	comp=Z,125 Casper	52.30 332	P	P	11 27 02.5	+0.8
RSSD	Black Hills	52.38 335	P	P	11 27 03.2	+1.0
HEC	comp=Z,145 Hector, Ludlow	52.44 319	P	P	11 27 03.1	+0.4
TUQ	Turquoise Moun	52.53 319	P	P	11 27 04.3	+0.8
SHPR	Sheep Range	52.70 321	P	P	11 27 05.3	+0.6
BSUT	Blindstream Ca	52.84 328	P	I Amb	11 27 05.3	-0.6
BSUT	comp=Z,6.7nm,1.1s Mount Baldy Ra	52.98 317	P	P	11 27 07.2	+0.4
BFSC	comp=Z,125 Goldstone, Bar	53.03 319	P	P	11 27 07.9	+0.8
GSC	Goldstone, Bar	53.03 319	P	P	11 27 11.6	+0.6
EDW2	Edwards Air Fo	53.58 318	P	P	11 27 10.9	-0.4
TCUT	Toone Canyon	53.60 328	P	P	11 27 12.4	+0.6
TPNV	Topopah Spring	53.66 321	P	I Amb	11 27 14.2	
TPNV	comp=Z,6.8nm,0.9s Topopah Spring	53.66 321	P	P	11 27 12.6	+0.8
DUG	Dugway, Tooele	53.72 326	P	I Amb	11 27 12.2	+0.1
DUG	comp=Z,15nm,1.5s Dugway, Tooele	53.72 326	P	P	11 27 12.8	+0.8
FURC	Furnace Creek,	53.76 320	P	P	11 27 13.2	+0.9
SPR3	Spring Creek 3	53.80 324	P	I Amb	11 27 12.4	-0.4
SPR3	comp=Z,4.8nm,0.8s Wildcat Mounta	53.81 320	P	I Amb	11 27 13.0	+0.3
WCT	WCT	53.81 320	P	I Amb	11 27 14.6	
BW06	comp=Z,4.5nm,1.0s Boulder Array	53.84 330	P	P	11 27 13.8	+0.8
PDAR	Pinedale Array	53.84 330	P	P	11 27 12.7	-0.3
PDAR	comp=Z,0.8nm,0.5s,baz=125,slow=9.3,SNR=12 Manual Prospec	53.93 319	P	P	11 27 14.0	+0.7
MPMC	comp=Z,0.8nm,0.5s Hardware Ranch	54.03 328	P	I Amb	11 27 14.1	-0.2
HWUT	HWUT	54.03 328	P	I Amb	11 27 16.0	
HWUT	comp=Z,6.4nm,1.2s Troy Canyon, C	54.13 323	P	P	11 27 16.1	+1.0
R11B	Arvin	54.28 317	P	P	11 27 17.3	+1.2
SPUT	South Promonto	54.29 327	P	P	11 27 16.6	+0.3
SPUT	comp=Z,8.5nm,1.1s Big Grassy Moun	54.34 327	P	I Amb	11 27 16.3	-0.3
BGU	BGU	54.34 327	P	I Amb	11 27 17.9	
GMN	comp=Z,12nm,1.4s Gold Mountain	54.52 320	P	P	11 27 17.7	-0.3
CWC	Cottonwood Cre	54.54 319	P	P	11 27 18.6	+0.5
HVU	Hansel Valley	54.79 327	P	P	11 27 19.1	-0.7
PKM	Mcpherson Peak	54.82 317	P	P	11 27 20.9	+0.7
SNOW	comp=Z,3.7nm,0.6s Snow King Moun	54.95 330	P	I Amb	11 27 20.2	-0.8
SNOW	comp=Z,3.7nm,0.6s Lac du Bonnet	54.98 345	P	I Amb	11 27 22.1	
ULM	comp=Z,2.2nm,0.5s,baz=117,slow=11,SNR=4.5 Lac du Bonnet	54.98 345	P	PcP	11 27 18.3	-2.5
ULM	comp=Z,3.2nm,0.8s,baz=117,slow=11,SNR=3.2 Long Hooop	54.98 330	P	P	11 27 20.4	-0.6
LOHW	Long Hooop	54.98 330	P	P	11 27 20.9	-0.3
DSP	Deep Springs	55.01 320	P	P	11 27 21.3	0.0
SMMC	Simmer	55.18 317	P	P	11 27 23.3	+0.7
LAO	LASA Array	55.37 336	P	P	11 27 23.5	-0.2
NV11	comp=Z,144 Mina Array Sit	55.77 321	P	P	11 27 26.9	0.0
NVAR	Mina Array Bea	55.86 321	P	P	11 27 27.3	-0.3
NVAR	Mina Array Bea	55.86 321	P	P	11 27 27.9	+0.3
NVAR	comp=Z,3.1nm,0.9s,baz=129,slow=7.2,SNR=15 Dagmar	56.03 338	P	P	11 28 23.8	-1.2
DMGT	comp=Z,0.8nm,0.8s,baz=134,slow=4.3,SNR=3.9 Dagmar	56.03 338	P	P	11 27 29.0	+0.6
KVN	Kaiserville	56.10 322	P	P	11 27 29.3	0.0
HLID	Halley	56.90 328	P	P	11 27 35.1	+0.3
HLID	Halley	56.90 328	P	P	11 27 35.1	+0.3
BOZ	Bozeman (W)	56.94 331	P	I Amb	11 27 35.1	0.0
BOZ	Boz	56.94 331	P	I Amb	11 27 36.8	
BOZ	comp=Z,9.2nm,1.4s Bozeman (W)	56.94 331	P	P	11 27 35.3	+0.2
MFID	Camas Ranch	57.56 327	P	P	11 27 39.6	+0.2
EGMT	Eagleton	57.90 334	P	P	11 27 41.6	0.0
WVOR	Wild Horse Val	58.50 325	P	I Amb	11 27 45.8	-0.2
WVOR	comp=Z,6.5nm,0.9s Oroville	58.54 320	P	P	11 27 46.8	+0.6
ORSO	Missoula	58.94 331	P	P	11 27 49.1	+0.1
MISO	Missoula	58.94 331	P	P	11 27 49.8	
J08A	Circle Bar Ran	58.99 326	P	I Amb	11 27 49.2	-0.1
J08A	izee	60.02 326	P	I Amb	11 27 56.8	+0.4
I07A	I07A	60.02 326	P	I Amb	11 27 58.5	
G08A	Pilot Rock	60.48 327	P	I Amb	11 27 59.5	0.0
G08A	comp=Z,6.6nm,0.9s Yreka Blue Hor	60.53 322	P	I Amb	11 28 00.9	
YBH	Yreka Blue Hor	60.53 322	P	I Amb	11 27 59.1	-0.7
YBH	comp=Z,6.8nm,1.2s Fort Rock, OR	60.54 324	P	P	11 28 00.1	+0.1
J05D	Fort Rock, OR	60.67 325	P	P	11 28 02.0	+1.1
PINE	Pine Mountain	61.23 325	P	P	11 28 05.2	+0.7
I05D	Terrebonne, OR	61.23 325	P	P	11 28 06.0	+0.5
G06A	Carlson Farm,	61.37 326	P	I Amb	11 28 07.4	
G06A	comp=Z,5.4nm,0.9s Newort	61.48 330	P	P	11 28 06.1	0.0
NEW	Newort	61.48 330	P	P	11 28 07.3	0.0
DBO	Dodson Butte	61.64 323	P	P	11 28 10.3	0.0
EDM	Edmonton	63.33 336	P	I Amb	11 28 16.9	-1.5
EDM	comp=Z,6.5nm,0.8s Yellowknife Ar	70.78 342	P	P	11 29 04.2	-1.0
YKA	Yellowknife Ar	70.78 342	P	P	11 29 14.1	-0.1
LIC	comp=Z,0.7nm,0.6s,baz=93,slow=17,SNR=2.0 Lamto	72.12 83	i/P	P	11 29 14.1	-0.1
TIC	Tomouidi	72.16 82	i/P	P	11 29 14.1	-0.4
DBIC	comp=Z,7.4nm,0.2s Dimboro	72.33 82	P	P	11 29 15.1	-0.4
DBIC	Dimboro	72.33 82	P	P	11 29 15.1	-0.4
KIC	comp=Z,14nm,0.5s,baz=269,slow=4.8,SNR=34 Kosan Boka	72.42 83	i/P	P	11 29 16.1	+0.1
T35M	Bob Quinn	73.13 333	P	P	11 29 20.5	+1.2
DLBC	Dease Lake	73.83 334	P	P	11 29 23.9	+0.4
P33M	comp=Z,124 Teslin, Yukon	75.99 335	P	P	11 29 36.6	+0.7
N32M	Quiet Lake	76.59 335	P	P	11 29 40.1	+0.9
P29M	Windy Craggy	77.87 333	P	P	11 29 47.0	+0.6
ESDC	Sonsecia Array	78.37 49	P	P	11 29 48.9	-0.7
N30M	comp=Z,3.0nm,0.7s,baz=260,slow=5.7,SNR=17 Aishikik Lake	78.42 335	P	P	11 29 50.3	+0.8
O29M	Mount Kennedy	78.55 333	P	P	11 29 50.9	+0.7
BELA	Belgrano 2	78.60 172	P	I Amb	11 29 50.4	+0.3
BELA	comp=Z,6.1nm,0.9s Summit	78.68 11	P	P	11 29 51.0	-0.1
SUMG	Talbot Arm	79.04 334	P	P	11 29 53.5	+0.5
YUK4	Torodi Ar. Bea	79.31 76	P	P	11 29 54.6	-0.6
TORD	comp=Z,1.7nm,0.3s,baz=287,slow=5.7,SNR=37 Sonse Creek	79.45 335	P	P	11 29 55.8	+0.8
M29M	Somme Creek	79.45 335	P	P	11 29 56.0	+0.5
O28M	Mount Upton	79				

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Teshepkuk Lake, Roundabout Mou, Knifetlade Rid, etc.

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

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

IDC 06 11:34:55.9.1.6.6:55S.147.79E, h0km, mb3.4/3, mbmp3.4/5, ML3.1/1, Error ellipse: s-maj=53.0km s-min=18.4km az=103.0

ISC 06 11:35:02.6.1.5.6:75S.02.147.8E, h0.3, h51km, n6, c18/16, mb3.5/3, Eastern New Guinea region

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

ISC 06 11:51:01.8.2.4.64:38N.0.06x172.9W, h10km, n23, c152/26, Eastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Gambell, TNA Tin City, F14K Arctic Creek, etc.

IDC 06 12:03:11.3.0.9.2:3.60Sx179.96E, h527km, mb3.9/23, mbmp4.7/25, Error ellipse: s-maj=9.7km s-min=9.5km az=148.0

NEIC 06 12:03:11.4.0.1.8:23.74S.0.10x179.9W, h1.521km, mb4.7/42, Error ellipse: s-maj=15.6km s-min=14.4km az=103.0

NOU 06 12:03:12.2.2.3:71S.179.84W, h546km, mb4.7/82, South of Fiji Islands

GCMT 06 12:03:14.4.0.5.23:74S.0.05x179.97W, h0.06, h555km, MW3.3/57, Moment Tensor Solution, s57.c71; Duration: 1s1 Moment tensor: Scale 1017Nm; Mn=0.31±.05; Mw=0.97±.08; M0=0.27±.08; Mw=0.32±.09; M0=0.31±.06; Mw=0.95±.07; Best double couple: M1.35000x1017 Np1.7x221.00000, s71.00000, s56.00000, NP2=106.00000, s38.00000, s149.00000. Principal axes: T 1.4630, Pigs1.0000, Azmg2.0000; N -0.2650, Pigs2.0000; Az233.0000; P -1.2330, Pigs19.0000, Azm336.0000; nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function

ISC 06 12:03:12.2.0.4.23:76S.0.05x179.96W, h0.05, h539km, mb4.4km, h540km, P, n411, c1526/444, mb4.6/52, 10C-1D, South of Fiji Islands

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

IDC 06 12:03:11.3.0.9.2:3.60Sx179.96E, h527km, mb3.9/23, mbmp4.7/25, Error ellipse: s-maj=9.7km s-min=9.5km az=148.0

NEIC 06 12:03:11.4.0.1.8:23.74S.0.10x179.9W, h1.521km, mb4.7/42, Error ellipse: s-maj=15.6km s-min=14.4km az=103.0

NOU 06 12:03:12.2.2.3:71S.179.84W, h546km, mb4.7/82, South of Fiji Islands

GCMT 06 12:03:14.4.0.5.23:74S.0.05x179.97W, h0.06, h555km, MW3.3/57, Moment Tensor Solution, s57.c71; Duration: 1s1 Moment tensor: Scale 1017Nm; Mn=0.31±.05; Mw=0.97±.08; M0=0.27±.08; Mw=0.32±.09; M0=0.31±.06; Mw=0.95±.07; Best double couple: M1.35000x1017 Np1.7x221.00000, s71.00000, s56.00000, NP2=106.00000, s38.00000, s149.00000. Principal axes: T 1.4630, Pigs1.0000, Azmg2.0000; N -0.2650, Pigs2.0000; Az233.0000; P -1.2330, Pigs19.0000, Azm336.0000; nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function

ISC 06 12:03:12.2.0.4.23:76S.0.05x179.96W, h0.05, h539km, mb4.4km, h540km, P, n411, c1526/444, mb4.6/52, 10C-1D, South of Fiji Islands

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

IDC 06 12:03:11.3.0.9.2:3.60Sx179.96E, h527km, mb3.9/23, mbmp4.7/25, Error ellipse: s-maj=9.7km s-min=9.5km az=148.0

NEIC 06 12:03:11.4.0.1.8:23.74S.0.10x179.9W, h1.521km, mb4.7/42, Error ellipse: s-maj=15.6km s-min=14.4km az=103.0

NOU 06 12:03:12.2.2.3:71S.179.84W, h546km, mb4.7/82, South of Fiji Islands

GCMT 06 12:03:14.4.0.5.23:74S.0.05x179.97W, h0.06, h555km, MW3.3/57, Moment Tensor Solution, s57.c71; Duration: 1s1 Moment tensor: Scale 1017Nm; Mn=0.31±.05; Mw=0.97±.08; M0=0.27±.08; Mw=0.32±.09; M0=0.31±.06; Mw=0.95±.07; Best double couple: M1.35000x1017 Np1.7x221.00000, s71.00000, s56.00000, NP2=106.00000, s38.00000, s149.00000. Principal axes: T 1.4630, Pigs1.0000, Azmg2.0000; N -0.2650, Pigs2.0000; Az233.0000; P -1.2330, Pigs19.0000, Azm336.0000; nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function

ISC 06 12:03:12.2.0.4.23:76S.0.05x179.96W, h0.05, h539km, mb4.4km, h540km, P, n411, c1526/444, mb4.6/52, 10C-1D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Jackson Bay, Olanua Downs, Waiata, Honiara, etc.

IDC 06 12:03:11.3.0.9.2:3.60Sx179.96E, h527km, mb3.9/23, mbmp4.7/25, Error ellipse: s-maj=9.7km s-min=9.5km az=148.0

NEIC 06 12:03:11.4.0.1.8:23.74S.0.10x179.9W, h1.521km, mb4.7/42, Error ellipse: s-maj=15.6km s-min=14.4km az=103.0

NOU 06 12:03:12.2.2.3:71S.179.84W, h546km, mb4.7/82, South of Fiji Islands

GCMT 06 12:03:14.4.0.5.23:74S.0.05x179.97W, h0.06, h555km, MW3.3/57, Moment Tensor Solution, s57.c71; Duration: 1s1 Moment tensor: Scale 1017Nm; Mn=0.31±.05; Mw=0.97±.08; M0=0.27±.08; Mw=0.32±.09; M0=0.31±.06; Mw=0.95±.07; Best double couple: M1.35000x1017 Np1.7x221.00000, s71.00000, s56.00000, NP2=106.00000, s38.00000, s149.00000. Principal axes: T 1.4630, Pigs1.0000, Azmg2.0000; N -0.2650, Pigs2.0000; Az233.0000; P -1.2330, Pigs19.0000, Azm336.0000; nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function

ISC 06 12:03:12.2.0.4.23:76S.0.05x179.96W, h0.05, h539km, mb4.4km, h540km, P, n411, c1526/444, mb4.6/52, 10C-1D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Canberra, Townsville Har, Cobar Meteorol, etc.

SJA 06 12:01:13.0.0.7.20:66S.69:28W, h86km, mb3.6, MW3.7

GUC 06 12:01:14.4.0.7.20:66S.69:24W, h84km, mb4.4, ML3.7

ISC 06 12:03:11.3.0.9.2:3.60Sx179.96E, h527km, mb3.9/23, mbmp4.7/25, Error ellipse: s-maj=9.7km s-min=9.5km az=148.0

NEIC 06 12:03:11.4.0.1.8:23.74S.0.10x179.9W, h1.521km, mb4.7/42, Error ellipse: s-maj=15.6km s-min=14.4km az=103.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GRGR Grenville, GRW Mount Saint Ca, GRHS Sauteurs, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SDDR Presa de Saban, SDDR Alto Bandera, SDDR comp=E,169nm,0.3s, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like THR3 Thira Island, AYDN Tasuluk, AYDN comp=E,32nm,1.0s, etc.

NNC 06 12:26:11.6:0.3, 43:11N:79:31E, h0km, mb3.6, mpv2.8, Error ellipse: s-maj=2.7km s-min=1.1km az=151.0

NEIC 06 12:41:53.9:2.2, 19:3N:01:1:67:35W:0:03, h37km, 40km, ML2.7/12, Md3.1/3(RSPR), Error ellipse: s-maj=15.3km s-min=1.8km az=194.0

IDC 06 13:14:12.1:9.4, 16:81S:178:19E, h0km, mb4.0/4, mbmp4.0/4, Error ellipse: s-maj=217.9km s-min=41.0km az=32.0

NEIC 06 13:14:17.4:0.6, 16:6S:0:2:178:4E:0:2, h47km, 10km, mb4.2/9, Error ellipse: s-maj=27.6km s-min=20.2km az=155.0

ISC 06 13:14:14.0:0.9, 16:6S:0:2:178:3E:0:1, h22km, n15, 0882/15, mb4.1/8, Fijii Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SHLS Shalkode, SHLS 14nm,0.2s, SHLS Shalkode 11nm,0.1s, etc.

NEIC 06 12:41:53.9:2.2, 19:3N:01:1:67:35W:0:03, h37km, 40km, ML2.7/12, Md3.1/3(RSPR), Error ellipse: s-maj=15.3km s-min=1.8km az=194.0

RSPR 06 12:41:56.4:1.9, 19:02N:67:46W, h80km, 12km, Md3.1/3, Error ellipse: s-maj=15.3km s-min=1.8km az=194.0

ISC 06 12:41:53.0:1.9, 19:2N:01:1:67:37W:0:05, h27km, n18, 087/19, 4C, Mona Passage

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AFI Afiamalu, FOZ Fox Glacier, STKA Stephens Creek, etc.

AS31 Alice Springs 42.13 253 P Iamb P 13 22 05.3 +0.3

ASAR Alice Springs 42.13 253 P P 13 22 05.1 +0.1

ASAR Alice Springs 42.13 253 P P 13 22 05.7 +0.6

KNRA Kununurra 47.48 264 P P 13 22 47.8 +0.1

VNDA Vanda 61.55 184 Iamb Iamb 13 24 29.0 0.0

VNDA Vanda 61.55 184 P P 13 24 28.8 -0.2

J25K Salcha River, 85.55 15 P Iamb P 13 26 49.2 -0.8

IDC 06 13:33:59.6:0.6, 36:84N:96:35E, h0km, mb4.3/15, mbmp4.2/20, ML4.0/5, MS3.3/12, Error ellipse: s-maj=22.4km s-min=12.5km az=44.0

BUI 06 13:34:01.9:0.0, 36:79N:96:24E, h10km, mb4.5/30, mb4.9/19, ML4.2/13, Ms4.2/24, Ms7.4/0/22

MOS 06 13:34:01.7:1.1, 36:90N:96:20E, h24km, mb4.7/16, Error ellipse: s-maj=8.8km s-min=5.1km az=134.3

NEIC 06 13:34:06.2:1.6, 36:97N:0:08:96:4E:0:1, h35km, 2km, mb4.7/10, Error ellipse: s-maj=13.7km s-min=13.1km az=237.0

NNC 06 13:34:09.6:2.2, 37:81N:95:95E, h0km, mb4.3, Error ellipse: s-maj=40.6km s-min=23.8km az=26.0

ISC 06 13:34:01.4:0.3, 36:91N:0:04:96:15E:0:03, h10km, n247, 1873/27, mb4.7/80, MS3.3/11, 15C-6D, Qinghai

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

OSPL 06 12:35:06.9:1.7, 19:78N:70:96W, h0km, 9km, ML3.0, SDD 06 12:35:06.5:2.3, 19:76N:71:07W, h15km, 19km, MD3.5, ML3.3, MW3.5

ISK 06 13:03:03.9, 35:25N:27:87E, h9km, ML2.7/17, AFAD 06 13:03:04.7:0.0, 35:29N:27:94E, h21km, 2km, ML2.6

THE 06 13:03:07.5, 35:39N:27:76E, h0km, 3km, ML2.7/3, Error ellipse: s-maj=8.0km s-min=2.2km az=143.0

ISC 06 13:03:05.4:1.5, 35:31N:0:06:27:86E:0:04, h11km, 10km, n32, 082/47, Dodecanese Islands

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

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

ARG Arkhangelos 0.93 13 P P 13 03 23.5 -0.1

ARG Arkhangelos 0.93 13 P S 13 03 23.5 -0.1

ZKR Zakros 1.36 262 P S P 13 03 30.6 -0.9

RFTD Palanmutbuku-Ka 1.40 348 Pn P 13 03 31.2 -0.4

NIS1 Nisyros Isl. 1.41 337 Pn P 13 03 31.5 -0.2

DAT Datca 1.44 351 Pn P 13 03 31.6 +0.1

DAT Datca 1.44 351 P P 13 03 32.4 +0.6

DAT Datca 1.44 351 P P 13 03 32.1 -0.2

DAT Datca 1.44 351 P P 13 03 32.1 +0.5

DAT Datca 1.44 351 P P 13 03 32.1 +0.5

TURN Turunc 1.50 12 Pn P 13 03 32.7 -0.5

TURN Turunc 1.50 12 P P 13 03 32.7 -0.1

TURN Turunc 1.50 12 P P 13 03 36.0 +2.5

GTA Gaotai 3.80 48 Pn P 13 35 03.2 +3.1

GTA Gaotai 3.80 48 Pn P 13 35 12.6 -1.6

GTA Gaotai 3.80 48 Pn P 13 35 50.2 +5.3

GTA Gaotai 3.80 48 Pn P 13 36 03.8 +0.4

GTA Gaotai 3.80 48 Pn P 13 36 03.8 +0.4

LZH Lanzhou 6.23 95 Pn P 13 35 33.9 +0.4

LZH Lanzhou 6.23 95 Pn P 13 37 14.9 -6.4

LZH Lanzhou 6.23 95 Pn P 13 35 33.9 +0.4

LZH Lanzhou 6.23 95 Pn P 13 37 14.9 -6.4

LZH Lanzhou 6.23 95 Pn P 13 35 33.9 +0.4

LZH Lanzhou 6.23 95 Pn P 13 37 14.9 -6.4

LZH Lanzhou 6.23 95 Pn P 13 35 33.9 +0.4

LZH Lanzhou 6.23 95 Pn P 13 37 14.9 -6.4

Table with columns: TWG, Pinlang, 1.38 140, P, Pb, 17 37 05.3 -0.7, etc. Lists various stations and their associated data points.

Table with columns: MHQZ, Yeshan, 2.41 336, eP, Pn, 17 37 18.5 -0.5, etc. Lists stations and their associated data points.

Table with columns: YUK, YUK, comp=N, 1.43nm, 0.4s, S, smax, Sn, smax, 17 48 07.3 -3.4, etc. Lists stations and their associated data points.

JMA 06 17:45:02.1±0.3, 37°2N, 0°6'14.2"E, h18km, 3km, MD4.6/40, MV4.6/40, E OFF FUKUSHIMA PREF. JMA Felt J1 at E OFF FUKUSHIMA PREF. NIED 06 17:45:02.1, 37°24'N, 142°35'E, h18km, MW4.4, Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mn: -1.39; Mw: 0.47; Ms: 0.92; M0: 0.82; Mb: 0.97; Mw: 4.03; Fault plane solution: M4.3500x10^15 NP1: o: 186.00000°, s: 383.00000°, x: -76.00000° NP2: o: 304.00000°, s: 316.00000°, x: -151.00000° MOS 06 17:45:03.3, 1.4, 37°30'N, 142°41'E, h31km, mb4.7/11 Error ellipse: s-maj=10.1, km s-min=6.7, km az=90.0. IDC 06 17:45:06.1, 2.7, 37°23'N, 142°34'E, h39km, 23km, mb3.9/15, mbmp4.1/20, ML3.6/5, MS3.8/26, Error ellipse: s-maj=18.4km s-min=14.8km az=96.0. NEIC 06 17:45:06.2, 4.7, 37°28'N, 0°06'14.2"E, h33km, 5km, mb4.5/54, Error ellipse: s-maj=11.4km s-min=8.9km az=117.0. ISC 06 17:45:04.3, 6.3, 37°23'N, 0°05'14.2"E, h23km, 26km, n192, s180E/149, mb4.4/52, MS3.8/20, 8D, Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h, m, s, ISC, etc. Lists station codes and their associated data points.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for various radio stations.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and other technical details for various radio stations.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for various radio stations.

IGQ 06 17:55:58.0.3, 1°N, 2°W, h8km
IDC 06 17:56:14.6.2.8, 0.53N, 79.41W, h142km, 29km, mb3, 1/5, mbmp3.77, Error ellipse: s-maj=33.2km s-min=19.0km

IGQ 06 17:56:48.2.2, 0.72N, 79.72W, h96km, 21km, mb3, 6/11, mbmp4.014, MS3.1/5, Error ellipse: s-maj=19.9km s-min=12.4km az=83.0
IDC 06 17:56:48.7.0.9, 0.58N, 80.03W, 0.03, h15km, 6km, n144, 1°16'31.144, mb4.2/17, MS3.1/3, Near coast of Ecuador

IGQ 06 17:56:48.2.2, 0.72N, 79.72W, h96km, 21km, mb3, 6/11, mbmp4.014, MS3.1/5, Error ellipse: s-maj=19.9km s-min=12.4km az=83.0
IDC 06 17:56:48.7.0.9, 0.58N, 80.03W, 0.03, h15km, 6km, n144, 1°16'31.144, mb4.2/17, MS3.1/3, Near coast of Ecuador

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and various station details like frequency and power.

NOU 06 18:02:00.6, 21.48S; 169.10E, h0km, MLv4.2/7, Southeast of Loyalty Islands

NEIC 06 18:02:09.7, 1.2, 21.08S; 0.05; 168.50E; 0.03, h16km, 5km, mb4.4/9, Error ellipse: s-maj=7.7km s-min=4.1km

ISC 06 18:02:08.5-0.7, 21.59S; 0.08; 168.67E; 0.08, h20km, n40, 0.19/42, mb4.3/15, MS3.3/5, Loyalty Islands

Main table of station data for the left column, including codes like MARNC, PINNC, LIFNC, etc., and their respective coordinates and parameters.

Table of station data for the middle column, including codes like PB06, PB07, PB08, etc., and their respective coordinates and parameters.

IDC 06 18:20:23.7-2.7, 8.90S; 117.03E, h99km, 22km, mb3.7/9, mbtm4.1/10, MS2.7/1, Error ellipse: s-maj=37.6km

DJA 06 18:20:24.0-2.0, 9.53S; 117.7E, h94km, 5km, M4.5/23, mb4.5/15, mB5.1/5, MLV4.5/23, Mw(mb)4.5/5

NEIC 06 18:20:24.0-2.2, 9.13S; 0.07; 117.02E; 0.07, h109km, 8km, mb4.1/15, Error ellipse: s-maj=10.3km s-min=9.2km

ISC 06 18:20:23.8-0.5, 9.05S; 0.05; 117.04E; 0.04, h100km, n96, 0.15/41/100, mb4.1/13, Sumbawa region

Main table of station data for the middle column, including codes like TWSI, PLAI, PLAI, etc., and their respective coordinates and parameters.

Main table of station data for the right column, including codes like SOEI, SOEI, KPJI, etc., and their respective coordinates and parameters.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Manton Dam, Kununurra, Narrogin (SRO), Narrogin (SRO), South Pole Qui, Chiang Mai Arr, Mina Array Bea, Colim, Eskdalemuir Ar, Geres Gress Array B.

JMA 06 18:28:57.8, 0.3, 25.1N, 123.6E, 0.5, h20km, MV1.4/6, NW OFF ISHIGAKIJIMA IS, Northeast of Taiwan. Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res.

TAP 06 18:29:54.6, 24.45N, 121.86E, h15km, ML1.1, C, Taiwan. Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Wuta, Irimote-Funau, Ishigakijimahi, Ishigaki jima, Kuro-shima.

NOU 06 18:37:06.5, 21.51S, 168.92E, h0km, MLV4.3/9, Loyalty Islands. Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res.

NOU 06 18:37:08.6, 1.8, 21.94S, 168.77E, h0km, mb4.0/6, mbmp4.0/7, ML3.6/1, MS3.0/5, Error ellipse: s-maj=83.5km s-min=23.4km az=162.0. Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res.

NEIC 06 18:37:10.3, 0.5, 21.66S, 0.04, 168.72E, 0.06, h8km, 6km, mb4.5/10, Error ellipse: s-maj=8.6km s-min=5.0km az=68.0. Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res.

ISC 06 18:37:10.2, 0.9, 21.49S, 0.09, 168.70E, 0.09, h10km, n41, 0.88/36, mb4.3/11, MS3.1/3, Loyalty Islands. Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Mare, Loyalty, LIFOU, Pines Island, Mamie plateau, Ouen Island, N, Mont Dzumac, Pines Island, Ouen Island, N, Mont Dzumac, Pines Island, Ouen Island, N, Mont Dzumac.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Ouen Toro, Kounouk, Kounouk, Urewera, Stephens Creek, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Alice Springs, Alice Springs, Alice Springs, Alice Springs, Alice Springs, Alice Springs, Alice Springs, Alice Springs.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Manton Dam, Kununurra, Marble Bar, Narrogin (SRO), Narrogin (SRO), Toititoli, Lembang, Chiang Mai Arr, Belgrano 2, Belgrano 2, Mina Array Bea.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Juan Fernandez, Juan Fernandez, Juan Fernandez, Juan Fernandez, Geres Gress Array B, Geres Gress Array B.

IDC 06 18:45:03.5, 1.5, 6.64N, 72.85W, h157km, 34km, mbmp3.6/2, Error ellipse: s-maj=595.8km s-min=8.1km az=132.0.

RSNC 06 18:45:05.6, 1.1, 6.80N, 73.14W, h143km, 5km, ML2.8. ISC 06 18:45:03.3, 1.1, 6.85N, 0.04, 73.09W, 0.04, h154km, 7km, n25, 0.18/40, 5C-10, Northern Colombia.

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

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

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Barranca, Sant, Barranca, Sant, Barranca, Sant, Barranca, Sant.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like La Rusia, La Rusia, La Rusia, La Rusia, La Rusia, La Rusia, La Rusia, La Rusia.

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

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like PUERTO BERRIO, PUERTO BERRIO, PUERTO BERRIO, PUERTO BERRIO, PUERTO BERRIO, PUERTO BERRIO, PUERTO BERRIO, PUERTO BERRIO.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like San Pablo de B, San Pablo de B, San Pablo de B, San Pablo de B, San Pablo de B, San Pablo de B, San Pablo de B, San Pablo de B.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Zaragoza, Cauc, Zaragoza, Cauc, Zaragoza, Cauc, Zaragoza, Cauc.

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

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

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL, EL ROSAL.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Chepes, Juntas del Tor, El Pedregal, Agrelo, PUNTA DE LOS L, Tololo Observa, San Esteban, Vizcacheras, La CRUZ, Peldehue, Vinchina, El Roble, Universidad Ar, Renca, San Martin, El Transito, Las Campanas, Curacav, Popeta, San Rafael, Llanos de Chal, Tunca, Copiap, Sierra Bellavi.

IDC 06 18:54:49.1, 2.2, 5.45S, 127.70E, h0km, mb3.4/1, mbmp3.1/3, ML2.7/2, MS3.8/1, Error ellipse: s-maj=169.5km s-min=32.2km az=56.0, Banda Sea.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Chichirua, Makanchi Array.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KAHZ, BHHZ, FWVZ, KHRH, WNVZ, MOVZ, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like baz=275, Wuta, EWUT, etc.

IDC 06 19:22:05.9, 1.0, 21.975x169.26E, h0km, mb4.0/7, mbtmp4.0/8, ML3.7/1, MS3.2/7, Error ellipse: s-maj=31.6km

NEIC 06 19:22:08.7, 1.0, 21.935x169.16E, h16km, 7km, mb4.4/8, Error ellipse: s-maj=11.2km s-min=10.7km

NOU 06 19:22:18.0, 21.96S, 168.35E, h0km, MLV3.7.6, Loyalty Islands

ISC 06 19:22:10.8-0.8, 21.94S, 169.03E, h0km, h31km, n35, s158/35, mb4.2/10, MS3.1/5, Southeast of Loyalty Islands

Main table for the left column with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MARNC, PINNC, YATNC, etc.

Main table for the middle column with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MD31, MD31, MD1, etc.

TAP 06 19:46:33.7, 24.71N, 122.48E, h18km, ML3.1, C JMA 06 19:46:34.3, 0.1, 24.7N, 0.9, 122.5E, 0.3, h30km, 1km, MV2.3/13, NW OFF ISHIGAKI/JIMA IS

ISC 06 19:46:32.9, 1.1, 24.73N, 122.51E, h0km, h15km, 9km, n84, c054/130, Taiwan region

Main table for the right column with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ESO2, ESO2, ESO3, etc.

Main table for the far right column with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like baz=256, NDS, NDS, etc.

6d 21h

Table with columns for city/country codes (KMI, BTO, etc.), names (Kunming, Baotou, etc.), dates (8.04, 8.42, etc.), and various numerical data points.

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Table with columns for city/country codes (QIZ, CM31, etc.), names (Chiang Mai Arr, Dalian, etc.), dates (15.24, 15.55, etc.), and various numerical data points.

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Table with columns for city/country codes (MDJ, KSH, etc.), names (Mudanjiang, Kashi, etc.), dates (23.05, 23.22, etc.), and various numerical data points.

Table with columns: Station Name, Frequency, Mode, Band, Azimuth, Elevation, SNR, and other parameters. Includes stations like HRA Herat, TOLIZ Tolitoli, AKBAR Akbulak array, etc.

Table with columns: Station Name, Frequency, Mode, Band, Azimuth, Elevation, SNR, and other parameters. Includes stations like BR131 Keskin Array S, BRTR Keskin Array B, BRTR Keskin Array B, etc.

Table with columns: Station Name, Frequency, Mode, Band, Azimuth, Elevation, SNR, and other parameters. Includes stations like KDAX Kodiak Island, INK Inuvik, G3OM Kach Zrait NH, etc.

NNC 06 21:40:09.7 ± 1.2, 37.26N, 56.78E, h0km, mb3.8, Error ellipse: s-maj=15.8km s-min=6.2km az=158.0

TEH 06 21:40:10.2, 36.98N, 57.28E, h8km, 30km, ML3.9

ISC 06 21:40:11.1, ± 0.6, 37.05N, 56.04E, 57.31E, 0.03, h10km, n58, 0.8m, 0.5s

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ISFR Sfrayin, SBZV Sabzevar, GYA0B ALIBECK ARRAY, etc.

IDC 06 21:45:19.1 ± 1.8, 53.46N, 158.49E, h177km, 9km, mb3.3/4, mbtm3.8/4, Error ellipse: s-maj=65.9km s-min=14.2km

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PETK Petropavlovsk-38m, 0.5s, baz=65, slow=12, SNR=102, etc.

6d 23h

Table with columns for location, date, time, and status. Includes entries like RLO, LCA, CROK, HHAAR, BBAC, GNAF, 319A, X51A, 121A, HALT, POPC, U38A, PAPH, PEBM, OK048, ELIS, LNXT, OTAW, SWET, OK051, PULU, IMBA, TULLM, GCUF, CROK, GLAT, U32A, W50A, V48A, OK038, ORTC, T35A, NOKA, OK035, PBMO, OK032, DUNB, HODGE, W52A, KAN13, KAN14, SLOA, ROSC, Y22D, MGMO, NHSC, CPCT, CLTN, KAN09, KAN05, KAN01, KAN10, KAN08, CHSH, BG3, KAN12, JSC, V51A, CGM3, S39A, RTBA, ANMO, ANMO, ANMO, TKL, TKL, CHIC, PAULI, FLOC, Y57A, TUC, TUC, COHC, V52A, V52A, V53A, S44A, SIUC, CCM, CCM, FVM, FVM, ARNL, KMSC, KMSC, BIRD, BIRD.

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Table with columns for location, date, time, and status. Includes entries like BIRD, R40A, T50A, TZTN, TZTN, USIN, R32A, X58A, T25A, T25A, T25A, SLM, SLM, 214A, 214A, W57A, W57A, V55A, V55A, MCR4, SDV, SDV, SDV, X18A, PIX, KSU1, KSU1, KSU1, US4A, US4A, CBK5, CBK5, WCI, WCI, WCI, Q44A, Q44A, OLIL, OLIL, S51A, S51A, P40A, P38A, P38A, R49A, R49A, U56A, U56A, SDCO, X16A, X16A, V58A, R50A, R50A, P43A, P43A, 113A, KSCO, KSCO, BLO, BLO, S22A, S22A, P46A, P46A, BLA, BLA, BLA, MIVCO, MIVCO, WUAZ, WUAZ, WUAZ, S5FO, P48A, P48A, N38A, N33A, N35A, N41A, Q51A, HDIL, HDIL, HDIL, P49A, SFIN, PDMCI, YUH, CCX, CCX, R55A, R55A, BAUV, BAUV, O48B, O48B, IKP, SMC0, O49A, O49A, ISCO, ISCO.

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Table with columns for location, date, time, and status. Includes entries like W13A, B631, CBX, U15A, OGNB, OGNB, IRM, P52A, MONP, SCIA, SCIA, BRIGS, ATAH, ATAH, HMU, HMU, L40A, L40A, SJJ, SJJ, BELC, L42A, L42A, PMD, PFO, PFO, PFO, PFO, KNB, GMRC, K38A, V12A, V12A, L5MT, L5MT, MCWV, N23A, N23A, O20A, O20A, MTPU, PHWY, HEC, K30B, SZCU, JFWF, JFWF, CCUT, MSU, MVU, MVU, P17A, TMUT, TCRU, ECSD, ECSD, RWWY, RWWY, PRN, I37A, I37A, I40A, I40A, PSUT, MPU, SNCC, SNCC, SNCC, BSUT, TPNV, NLU, SSPA, PCRV, PMPC, SPR3, CTU, ISA, DUG, DUG, R11B, R11B, TCUT, GRAC, SPMN, G40A, G40A, G40A, HWUT, MZP, BGU, BGU, PD31, PDAR, PDAR, PDAR, PDAR, F36A, F36A, HVU, HVU, AHID, NV11, ELK, ELK, NVAR, NVAR, NVAR, LHV, REDW, E38A, E38A, SNOW, LOHW, LOHW, TPWA, TPWA, MOOW, NNA, NNA, FXWY, E28A.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like Indian Meadow, Dogwood Acres, Flagg Ranch, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like BDFB Brasilia, O29M Mount Kennedy, M29M Somme Creek, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like EKA Eskdalemuir Ar, SPITS Spitsbergen Ar, ESDC Sonseca Array, etc.

IDC 06 23:38:12.9,4.9,22.075x168.76E,h0km,mb4.1/3, mbtmp4.1/3,ML1.8/1, Error ellipse: s-maj=15.7km s-min=55.5km az=15.0, New Caledonia

IDC 06 23:39:27.6,0.5,49.075x124.86E,h0km,mb4.7/14, mbtmp4.7/15,ML2.8/1,MS4.6/4E, Error ellipse: s-maj=23.9km s-min=13.3km az=106.0

ISC 06 23:39:29.1,1.0,49.085,0.05,124.89E,0.06,h10km,6km, m278.1819/246,mb5.1/79,MS4.7/58,5C-6D,Western Indian-Antarctic Ridge

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like RKGV Rocky Gully, H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, etc.

Table with columns: MEEK, Meekatharra, 22.89 346, P, P, 23 44 31.9 -1.0, etc. Lists various astronomical objects and their coordinates.

Table with columns: LEM, Lemang, 44.51 335, P, P, 23 47 41.9 +1.0, etc. Lists various astronomical objects and their coordinates.

Table with columns: LSZ, Lusaka, 82.80 255, P, P, 23 51 55.0 +1.2, etc. Lists various astronomical objects and their coordinates.

7d 2h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like MAW Mawson, WRA Warramunga Arr, WB2 Warramunga Arr, etc.

IDC 07 00:44:18.9;12.0,13.02S;67.25E,h0km,mb3.6/2, mbtmp3.6/2, Error ellipse: s-maj=923.9km s-min=54.5km az=35.0, Mid-Indian Ridge

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

IDC 07 00:53:24.9;4.1,6.44S;149.63E,h0km,mb3.2/2, mbtmp3.4/2, Error ellipse: s-maj=139.0km s-min=53.2km az=115.0, New Britain region

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

IDC 07 01:08:25.3;0.8,1.6;98N;147.68E,h0km,mb4.2/0, mbtmp4.2/21,ML4.4/1, Error ellipse: s-maj=26.9km s-min=14.5km az=87.0

NEIC 07 01:08:30.9;1.0,1.6;9N;0.1;147.77E;0.07,h38km,6km, mb4.6/28, Error ellipse: s-maj=17.1km s-min=7.3km az=155.0

ISC 07 01:08:31.1;0.5,1.6;92N;0.07;147.65E;0.09,h41km,n54, r=1524/57,mb4.4/33,Mariana region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, PATS Pohnpel, MAJO Matsushiro, etc.

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Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MBWA Marble Bar, MORW Morawa, etc.

IDC 07 01:09:49.7;2.6,7.03S;124.85E,h557km,34km,mb3.0/4, mbtmp4.0/7, Error ellipse: s-maj=105.0km s-min=16.3km az=56.0

NEIC 07 01:09:50.1;4.7,7.0S;0.1;125.0E;0.1,h559km,10km, mb4.3/20, Error ellipse: s-maj=20.5km s-min=15.5km az=73.0

ISC 07 01:09:48.9;0.6,6.88S;0.08;125.1E;0.1,h543km,n36, r=1233/37,Banda Sea

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like SOEI Soe, BATI Baumatia, KAPI Kappan, etc.

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Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov, WND Vanda, TORD Torodi Ar. Bea, etc.

IDC 07 01:28:53.2;7.9,15.69S;173.64W,h297km,49km, mb3.6/4,mbtmp4.3/5, Error ellipse: s-maj=156.5km s-min=32.6km az=135.0, Tonga Islands

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

IDC 07 02:06:49.9;1.3,3.6;77N;27.34E,h0km,mb3.7/4, mbtmp3.6/5,ML2.7/1, Error ellipse: s-maj=62.6km s-min=21.5km az=150.0

ISK 07 02:06:51.2,36;82N;27.34E,h13km,ML3.2/35 AFAD 07 02:06:51.9;0.0,36;83N;27.40E,h9km,1km,ML3.2 THE 07 02:06:52.2,36;82N;27.36E,h8km,1km,ML3.2/14, Error ellipse: s-maj=1.0km s-min=0.6km az=32.0

ATH 07 02:06:52.2,36;83N;27.34E,h12km,1km,ML3.6/5, Error ellipse: s-maj=1.9km s-min=0.9km az=225.0

ISC 07 02:06:51.8;0.8,3.6;82N;0.02;27.34E;0.01,h13km,5km, n113,r0968/156,mb3.6/4,2C, Decadecane Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like RFTB Kemer-Bodrum, RFTB Palamutbuku-Ka, etc.

GHAJ	Ghor Haditha	7.72 128	Pn	02 42 22.2 +0.3
GHAJ	Ghor Haditha	7.72 128	Pn	02 42 22.1 +0.3
RMNI	Mount Ramon	7.74 135	Pn	02 42 20.7 -1.4
ICOR	Ion Corvin	7.84 357	Pn	02 42 23.9 +0.5
SKO	Skopje	7.87 318	Pn	02 42 36.5 +1.3
MFRF	Morfatlar	7.89 307	Pn	02 42 34.9 +0.8
KARJ	KARJ	7.90 129	Pn	02 42 15.9 -8.3
ZFRI	Zfri	8.01 134	Pn	02 42 24.4 -1.3
ZFRI	Zfri	8.01 134	Pn	02 42 26.3 +0.6
PRNI	Paran	8.06 135	Pn	02 42 24.8 -1.7
PRNI	Paran	8.06 135	Pn	02 43 50.3 -5.8
PRNI	Paran	8.06 135	Pn	02 45 1.7 -0.8
SWQJ	Swaqa	8.08 126	Pn	02 42 26.2 -0.6
KRMI	Paran Flat	8.08 138	Pn	02 42 25.3 -1.5
KRMI	Paran Flat	8.08 138	Pn	02 43 50.7 -6.0
ASF	Jabal al Asfar	8.10 118	P	02 42 27.9 +0.8
ASF	Jabal al Asfar	8.10 118	P	02 42 27.4 +0.4
ASF	comp=N,63nm,0.4s,baz=311,slow=6,SNR=232		S	02 43 53.5 -3.7
ASF	comp=N,39nm,0.4s,baz=8.1,slow=17,SNR=3.7		S	
ASF	comp=N,192nm,20.2s,baz=287,slow=43		LR	02 46 23.0
TIRR	Tirgisor	8.17 360	Pn	02 42 28.2 +0.4
TIRR	Tirgisor	8.17 360	Pn	02 42 27.8 0.0
TIRR	Tirgisor	8.17 360	Pn	02 42 27.9 +0.1
TIRR	Tirgisor	8.17 360	Pn	02 42 28.2 +0.4
VLO	Vlora	8.19 303	P	02 42 33.4 +5.3
PZO			S	02 44 01.8 +2.8
TLBR	Topalu	8.26 358	Pn	02 42 29.8 +0.7
HRFI	Mount Harif	8.32 137	Pn	02 42 48.5 -1.7
HRFI	Mount Harif	8.32 137	Pn	02 43 56.7 -5.7
ARPR	Arapgir-MALATY	8.32 67	Pn	02 42 32.2 +2.2
TIR	Tirane	8.40 310	Pn	02 42 35.2 +4.2
TIR	Tirane	8.40 310	Pn	02 42 37.2 +6.2
TIR			S	02 44 07.6 +3.4
TIR	comp=N,0.1nm,0.8s,baz=312		AMP	
TIR	Tirane	8.40 310	Pn	02 42 35.8 +4.8
TIR	Tirane	8.40 310	Pn	02 42 35.2 +4.2
HARR	Harsova	8.41 357	Pn	02 42 31.1 0.0
HARR	Harsova	8.41 357	Pn	02 42 31.1 0.0
MBRI	Mt Berech	8.44 138	Pn	02 42 30.4 -1.3
MBRI	Mt Berech	8.44 138	Pn	02 42 30.5 -4.9
MBRI	Mt Berech	8.44 138	Pn	02 42 30.9 -0.8
EIL	Eilat	8.55 139	Pn	02 42 31.9 -1.3
EIL	Eilat	8.55 139	Pn	02 44 02.4 -5.8
EIL	Eilat	8.55 139	Pn	02 42 33.0 -0.2
EIL	Eilat	8.55 139	Pn	02 42 32.0 -1.3
EIL	Eilat	8.55 139	Pn	02 42 32.6 -0.6
EIL	comp=N,38nm,0.4s,baz=323,slow=4,SNR=151		S	02 44 01.8 -6.4
CFR	Carcaliu	8.89 359	Pn	02 42 37.9 +0.3
CFR	Carcaliu	8.89 359	Pn	02 42 37.9 +0.3
TLCR		8.90 2	Pn	02 42 38.2 +0.4
TLCR		8.90 2	Pn	02 42 38.1 +0.4
BOVS	Bovan	8.99 327	Pn	02 42 39.5 +0.5
YAL	Yalta	9.27 267	Pn	02 42 44.6 +1.7
TATR	Tatarca	9.31 358	Pn	02 42 44.6 +1.1
SCTR	Scantelesti	9.39 358	Pn	02 42 45.8 +1.3
MLR	Muntele Rosu	9.39 349	Pn	02 42 46.2 +1.5
MLR	Muntele Rosu	9.39 349	Pn	02 42 46.3 +1.5
MLR	Muntele Rosu	9.39 349	Pn	02 42 46.3 +1.6
MLR	comp=N,26nm,0.7s,baz=238,slow=13,SNR=53		S	02 44 27.5 -1.2
PDG	Podgorica	9.40 314	Pn	02 42 47.2 +2.5
PDG	Podgorica	9.40 314	Pn	02 42 47.2 +2.5
PDG	Podgorica	9.40 314	Pn	02 42 48.0 +3.3
VOIR		9.50 345	Pn	02 42 46.4 +0.2
VOIR		9.50 345	Pn	02 42 46.3 +0.2
DJES	Djerdap	9.52 333	Pn	02 42 46.1 -0.1
ARR	Arges	9.53 343	Pn	02 42 47.1 +0.6
ALU	Alushta	9.53 271	Pn	02 42 47.4 +1.0
ALU			S	02 44 28.2 -3.7
ODBI	Odobesti	9.53 354	Pn	02 42 48.4 +1.9
SJES	Sjenica	9.55 319	Pn	02 42 55.4 +8.6
VJES	Vladesti	9.59 358	Pn	02 42 47.9 +0.9
VARL	Varlezii	9.62 357	Pn	02 42 48.8 +1.1
PLOR	Plostinia	9.66 352	Pn	02 42 49.4 +1.2
PLOR	Plostinia	9.66 352	Pn	02 42 49.4 +1.2
VRI	Vrnicioaia	9.66 353	Pn	02 42 49.8 +1.5
VRI	Vrnicioaia	9.66 353	Pn	02 42 49.8 +1.5
SIM	Simferopol'	9.66 25	Pn	02 42 49.7 +1.4
SIM			eS	02 44 29.7 -5.5
SIM			pmax	
SIM	comp=Z,99nm,1.1s		smax	
SIM	comp=E,80nm,0.9s		smax	
COVR	Voineasa-Covas	9.70 351	Pn	02 42 50.2 +1.4
GHRR		9.81 19	Pn	02 42 51.1 +0.9
LOTR	Lotru	9.82 340	Pn	02 42 50.9 +0.4
MDVR	Moldovita	9.92 331	Pn	02 42 53.3 +1.5
SUDU	Sudak	9.93 281	Pn	02 42 53.3 +1.4
SUDU			eS	02 44 37.9 -3.7
DOZR	Dopca	9.95 348	Pn	02 42 52.7 +0.5
DOZR			eS	02 42 53.9 +0.9
TREB	Trebjine	10.11 313	ePn	02 42 58.0 +3.6
RUDO	Rudo	10.11 319	ePn	02 43 00.7 +6.3
DIVS	Divibare	10.14 323	ePn	02 43 04.6 +1.0
FEOD	Feodosiya	10.19 29	Pn	02 42 56.6 +1.1
FEOD			eS	02 44 30.1 +1.9
MATE	Matera	10.19 299	Pn	02 42 56.3 +0.7
MATE	Matera	10.19 299	Pn	02 42 56.2 +0.7
DBRK	Dubrovnik	10.20 312	Pn	02 42 58.8 +3.2
BBLS	Luzakći	10.27 320	ePn	02 43 04.4 +7.8
PURM	Purcar	10.29 5	Pn	02 42 57.2 +0.4
TESR	Tescani	10.31 353	Pn	02 42 58.0 +0.9
VASR	Vaslui	10.36 357	Pn	02 42 59.0 +1.2
STON	Ston	10.59 312	Pn	02 43 03.5 +2.7
STON	Ston	10.59 312	ePn	02 43 03.1 +2.2
SURR	Surdud	10.60 335	Pn	02 43 01.4 +0.2
NEWS	Nevesinje	10.60 315	ePn	02 43 05.5 +4.3
CUC	Castrocuco	10.63 1	Pn	02 43 01.1 0.1
MILM	Milestii Mici	10.63 1	Pn	02 43 01.8 +0.4
MILM	Milestii Mici	10.63 1	eP	02 43 20.0
MILM	Milestii Mici	10.63 1	d/P	02 43 01.8 +0.4
MILM	comp=Z,140nm,0.6s		pmax	
BZS	Buzias	10.66 333	Pn	02 43 02.0 +0.1
BZS	Buzias	10.66 333	Pn	02 43 01.9 +0.1
BZS	Buzias	10.66 333	Pn	02 43 01.9 +0.1
TEKR	Tekeri	10.70 333	ePn	02 43 02.3 +0.2
MRVN	Mirerivno Murg	10.71 300	Pn	02 43 02.3 -0.2
KIS	Kishinev	10.71 1	eP	02 43 03.0 +0.5
KIS	Kishinev	10.71 1	eP	02 43 21.0
KIS	Kishinev	10.71 1	Pn	02 43 03.6 +1.1
KIS	Kishinev	10.71 1	Pn	02 43 03.0 +0.5
KIS	comp=Z,70nm,0.7s		pmax	
ANN	Anapa	10.90 36	eP	02 43 05.0 -0.1
ANN			eS	02 45 01.2 -4.2
ANN	comp=Z,51nm,1.1s		pmax	
ANN	comp=Z,168nm,7.0s		MLR	
MARR	Mariel-Cluj	11.13 341	Pn	02 43 09.2 +0.9
SIRR	Siria	11.21 335	Pn	02 43 09.2 +0.1
MAKA	Makarska	11.23 312	Pn	02 43 12.4 +2.7
RICI	Ricice	11.29 313	Pn	02 43 13.8 +3.3
WDD	Wied Dalam	11.29 272	Pn	02 43 07.7 -2.8
WDD	Wied Dalam	11.29 272	eP	02 43 08.7 -1.8
SOC	Sochi	11.30 46	eP	02 45 10.0 -1.6
SOC			e	02 45 13.8
SOC	comp=Z,94nm,15.0s		MLR	
VAE	Valguarnera	11.31 280	P	02 43 11.0 +0.1
VAE	comp=Z,51nm,0.5s,baz=180,slow=12,SNR=24		S	02 45 06.3 -9.4
VAE	comp=Z,29nm,0.7s,baz=62,slow=12,SNR=2.9		LR	02 47 24.7

RAFF	Raffo Rosso	11.55 279	Pn	02 43 09.7 -1.7
HVAR	Hvar	11.56 310	iP	02 43 15.3 -1.7
DOB	Doboj	11.54 320	ePn	02 43 20.3 +6.4
BUR	Bucovina Array	11.56 349	ePn	02 43 16.1 +1.7
BURAR	Bucovina Array	11.56 349	ePn	02 43 16.1 +1.7
BURAR	Bucovina Array	11.56 349	Pn	02 43 16.1 +1.7
BUR08	Bucovina Ar. S	11.61 349	Pn	02 43 15.6 +0.7
SORM	Soroca	11.85 360	iP	02 43 17.8 -0.2
SORM	Soroca	11.85 360	Pn	02 43 17.7 -0.2
PAOI	Paolani	11.85 298	Pn	02 43 18.3 +0.2
MGRS	Mrkonicj Grad	11.88 317	ePn	02 43 22.6 +4.1
BLY	Banja Luka	12.04 318	ePn	02 43 25.1 +4.5
CLTB	Callabellota	12.27 281	Pn	02 43 23.7 -0.3
CLTB	Callabellota	12.27 281	iP	02 43 24.1 +0.1
MORI	Morica	12.35 312	iP	02 43 27.7 +2.8
A051A	Mirakovic	12.36 318	ePn	02 43 29.9 +4.8
PRJI	Prijedor	12.44 318	ePn	02 43 30.3 +4.2
INTR	Introdacqua	12.66 301	Pn	02 43 30.6 +1.4
DUGI	Dugi Otok	12.81 311	iP	02 43 33.3 +2.1
VHRC	Vir	12.98 312	iP	02 43 35.9 +2.5
AQU	A'quila	13.13 302	iP	02 43 37.3 +1.7
AQU	A'quila	13.13 302	iP	02 43 38.7 +3.0
AQU	A'quila	13.13 302	Pn	02 43 37.3 +1.7
ONI	Oni	13.18 57	Pn	02 43 37.5 +1.2
ONI	Oni	13.18 57	Pn	02 43 37.5 +1.2
CAMP	Campotosto	13.20 303	Pn	02 43 36.4 -0.2
NVI	Nivice	13.24 334	Pn	02 43 36.5 +2.6
PSZ	Piszkesteto	13.24 334	Pn	02 43 36.2 -0.9
KIV	Kislovodsk	13.30 50	eP	02 43 35.2 -0.8
KIV	comp=Z,6.0nm,1.0s		pmax	
KIV	comp=Z,5.5nm,13.0s		MLR	
KBZ	Khabaz	13.32 52	Pn	02 43 40.4 +2.3
GNI	Garni	13.37 68	Pn	02 43 38.6 -0.4
GNI	Garni	13.37 68	Pn	02 43 45.1 -1.1
GNI	comp=Z,6.4nm,0.6s,baz=285,slow=4.7,SNR=8.4		LR	02 49 53.9
GNI	comp=Z,319nm,20.2s,baz=269,slow=42		LR	
RABC	Rab	13.39 313	iP	02 43 41.5 +2.5
NRCA	Norcia	13.52 304	Pn	02 43 41.7 +0.9
ZEI	Tsey	13.57 57	eP	02 43 45.5 -2.9
BOJS	Bozjaci	13.57 317	ePn	02 43 45.3 -2.9
FDMO	Fjordimonte	13.62 304	Pn	02 43 43.1 +1.0
CRES	Cresnev	13.66 318	ePn	02 43 45.5 +2.8
SRO	Srobarova	13.75 330	eP	02 43 52.5 +2.3
SRO	Srobarova	13.75 330	eP	02 43 52.5 +2.3
CSX	Ceska	14.23 303	iP	02 43 50.9 +1.8
LTV	L'ov	14.23 303	iP	02 43 56.6 +4.7
MURB	Munte Urbino	14.09 305	Pn	02 43 48.8 +0.5
VYHS	Vyhne	14.11 333	eP	02 43 54.7 +0.5
VYHS	Vyhne	14.11 333	eP	02 43 54.7 +0.5
CEY	Cerknica	14.18 316	ePn	02 43 51.3 +1.9
MGAB	Montegabbione	14.23 303	iP	02 43 52.0 +1.8
SKDS	Skadanscia	14.29 315	ePn	02 43 52.4 +1.4
AKASG	Malin Array Be	14.42 2	Pn	02 43 51.3 -1.3
AKASG	Malin Array Be	14.42 2	Pn	02 43 51.3 -1.3
AKASG	Malin Array Be	14.42 2	Pn	02 43 50.9 -1.7
AKASG	comp=Z,3.4nm,0.5s,baz=185,slow=12,SNR=29.8		LR	02 49 29.9
AKKB	Malin Array Si	14.42 2	Pn	02 43 53.2 +0.6
AKKB	Malin Array Si	14.42 2	Pn	02 43 53.2 +0.6
SKBA	Sokob	14.44 320	iP	02 43 57.1 -0.9
RONA	Rosalia, Austr	14.54 325	iP	02 43 58.3 -0.7
ZST	Bratislava	14.55 328	eP	02 44 01.0 +1.9
ZST	Bratislava	14.55 328	eP	02 44 01.0 +1.9
ARSA	Arzberg	14.58 323	eP	02 43 59.1 -0.3
OBKA	Obir	14.59 319	iP	02 43 59.5 0.0
OBKA	comp=Z,25nm,1.2s		S	
OBKA	Obir	14.59 319	ePn	02 43 58.6 -1.0
MODS	Modra-Piesok	14.62 329	eP	02 44 00.9 +1.0
MODS	Modra-Piesok	14.62 329	eP	02 44 00.9 +1.0
SMOL	Smolenice	14.67 330	eP	02 44 02.2 +1.8
JAVC	Velka Javorina	14.85 331	ePn	02 44 04.2 +1.8
CONA	Conar Observa	14.90 325	iP	02 44 04.3 +2.2
CASP	Castiglione de	15.04 301	Pn	02 44 00.8 +0.2
OSSC	Osservatorio P	15.04 304	Pn	02 44 01.4 +0.7
MYKA	Terra Mystica	15.15 318	eP	02 44 06.4 +0.6
PTCC	Pattocco-Chiusa	15.17 316	iP	02 44 04.3 -1.7
MAUC	Maruska	15.20 333	eP	02 44 09.3 +3.0
TATN	Tataouine	15.25 261	iP	02 44 05.5 -2.9
STAL	STALIGIAL	15.45 315	Pn	02 44 06.0 0.0
CLUD	Cludius	15.48 3		

7d 4sh

KHC Kasperske Hory 146.69 330 ePKP PKPbc 04 02 36.8 -0.2
GERES GERES Array B 146.84 329 PKPbc PKPbc 04 02 38.0 +0.4

IDC 07 03:47:30.5:1.1, 15:37Sx173:27W, h0km, mb3.7/5,
mtbmp3.7/5, MS3-4/2, Error ellipse: s-maj=48.0km

ISC 07 03:47:36.3:1.1, 15:35S:0:3:173:4W:0.3, h42km, n14,
+0571/6, mb3.6/5, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include stations like DZM, H11S2, H11S3, etc.

IDC 07 04:04:11.1:6.6, 20:02Sx168:37E, h0km, mb3.4/3,
mtbmp3.4/3, ML2.6/1, Error ellipse: s-maj=166.7km

s-min=44.3km az=123.0, Loyalty Islands

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

IDC 07 04:15:38.4:6.0, 12:29Sx167:14E, h0km, mb3.4/3,
mtbmp3.4/3, MS4.0/1, Error ellipse: s-maj=306.9km

s-min=35.9km az=140.0, Santa Cruz Islands

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

IDC 07 04:26:58.7:2.8, 22:16Sx168:75E, h0km, mb3.5/2,
mtbmp3.5/3, ML3.4/1, Error ellipse: s-maj=122.7km

s-min=38.0km az=171.0, New Caledonia

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

IDC 07 04:27:41.8:0.5, 21:59Sx168:74E, h0km, mb4.9/23,
mtbmp4.9/25, ML4.5/2, MS5.1/4, Error ellipse:

s-maj=14.1km s-min=12.9km az=85.0

MOS 07 04:27:43.4:0.9, 21:59Sx168:51E, h14km, mb5.4/33,
MS5.0/10, Error ellipse: s-maj=9.5km s-min=8.5km

NEIC 07 04:27:44.1:8.1, 21:68S:0:08:168:66E:0:03, h10km, 1km,
mb5.3/153, Ms. 20.5, 3/457, Mw5.3/15, Mw5.5/21, Error

ellipse: s-maj=12.8km s-min=4.4km az=354.0, Moment

Tensor Solution. Moment tensor: Scale 1017Nm; M1: -1.14; M2: 0.38; M3: 0.76; M4: 0.02; M5: -0.45; M6: -0.41;

Fault plane solution: M1: 17000x1017 NP1: 05137.43000, 836.79000, -105.02000. NP2: 05335.95000, 854.66000, -79.04000. Principal axes: T: 1.155, P1g9.0000, Azm58.0000; N: 0.1096, P1g9.0000; Azm150.0000; P: -1.2251, P1g77.0000, Azm283.0000

NEIC 07 04:27:45.8, 21:54S:168:62E, h12km

NEIC 07 04:27:45.8, 21:64S:168:51E, h12km, Moment Tensor

Solution. Duration: 2s Moment tensor: Scale 1017Nm; M1: -1.99; M2: 0.67; M3: 1.32; M4: -0.76; M5: -0.72; M6: 0.15;

Fault plane solution: M2: 02.000x1017 NP1: 05133.52000, 854.55000, -105.39000. NP2: 05338.90000, 838.24000, -69.56000. Principal axes: T: 1.8587, P1g8.0000, Azm234.0000; N: 0.3304, P1g12.0000, Azm143.0000; P: -2.1891, P1g75.0000, Azm357.0000

NEIC 07 04:27:45.8, 21:55S:168:63E, h10km

BUI 07 04:27:45.0, 0.0, 21:50S:169:50E, h10km, mb5.0/54,
m85.6/46, Ms5.1/32, Ms7.4/735

NOU 07 04:27:45.1, 21:36S:168:55E, h0km, mb5.1/57, Loyalty

Islands

GCMT 07 04:27:47.0:1.1, 21:55S:0:01:168:60E:0:01, h12km,
MW5.4/149, Moment Tensor Solution. s110:c177;

s149:c279; Duration: 1s3 Moment tensor: Scale 1017

Nm; M1: -1.69±.02; M2: 0.55±.02; M3: 1.13±.02; M4: -0.20±.04; M5: -0.70±.01; M6: 0.57±.04; Best double

2017 NOV

Main table with columns: MARNC, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include stations like MARNC, PINNC, LIFCNC, etc.

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Main table with columns: TOO, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include stations like TOO, Toolangi, TOO, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other metrics. Includes stations like PMPB, BBGB, SHL, J16K, K17K, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other metrics. Includes stations like CWC, PMD, SFX, H18K, SWSC, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other metrics. Includes stations like PRN, IL31, ILAR, R11B, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FNA Florida, OHR Florida, MOLA Molin, etc.

IDC 07:04:28.28.4.1.0.21.88Sx168.54E, h0km, mb4.6/6, mbmp4.67, M54.51, Error ellipse: s-maj=34.2km

ISC 07:04:28.34.0.0.8.21.95S.02.168.72E.0.10, h35km, n13, s-maj=27.1km, s-min=19.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, etc.

IDC 07:04:30:59.0.9.21.79Sx168.81E, h0km, mb4.4/10, mbmp4.5/11, ML4.2/1, Error ellipse: s-maj=28.4km

NEIC 07:04:31:01.8.2.0.21.54S.0.05:168.73E.0.04, h10km, 1km, mb4.8/28, Error ellipse: s-maj=9.2km s-min=5.9km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONTNC Ouen Toro, MSFV Nonsavu, RTZ Ratahuna, etc.

IDC 07:04:33:01.7.0.7.21.57Sx168.75E, h0km, mb4.3/17, mbmp4.3/19, ML4.3/2, Error ellipse: s-maj=18.7km

NEIC 07:04:33:02.8.1.4.21.58S.0.07:168.82E.0.14, h10km, 1km, mb4.8/23, Error ellipse: s-maj=12.2km s-min=6.3km

GCMT 07:04:33:09.8.0.3.21.56S.0.03:168.47E.0.03, h24km, MW5.2/87, Moment Tensor Solution, s31, c33, s87, c119, Duration: 0 Moment tensor: Scale 1016Nm; Mi-7715.45; Mw3.26; Ms-4.53; 28; Mw-0.57; 32; Mw-1.82; 12; Mw-2.45; 35; Best double couple: Mw7.20800; 1016; NP2: NP1=15.00,0000; s55.00000; A-84.00000; ex=0.320,00000; s36.00000; A-99.00000. Principal axes: T 6.2270, Plig10.0000, Azm236.0000; N 1.9620, Plg5.0000, Azm327.0000; P -8.1890, Plg79.0000; Azm84.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 07:04:33:04.9.0.4.21.61S.0.07:168.71E.0.05, h20km, n80, s-maj=19.1km, mb4.6/26, 3C, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONTNC Ouen Toro, ROUNC Koumang, MSFV Nonsavu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NIUE Niue, NZSO South Koror, CTA Charters Tower, etc.

IDC 07:04:38:02.1.6.1.7.34S:128.01E, h108km, 55km, mb3.5/5, mbmp4.0/8, Error ellipse: s-maj=76.2km s-min=19.9km

ISC 07:04:38:07.5.1.1.7.9S.0.1:127.69E.0.09, h150km, n15, s-maj=27.1km, s-min=19.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NIUE Niue, NZSO South Koror, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SOEI Soe, BATI Baumata, MTN Manton Dam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SOKI Kika Raxquay, QUEO Labor Ovalle, SMSP San Marcos, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRO Warramunga Arr, WBO Warramunga Arr, WB2 Warramunga Arr, etc.

IDC 07:04:44:58.2,6,0.1,21,146S,168.32E, h0km, mb3.8/2, mbmp3.8/2, Error ellipse: s-maj=233.6km

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, GERES Geres Array B, etc.

SJA 07:04:55:45.1,1.2,3,19S,66.56W, h248km, gkm, ML3.7, MW3.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ATAH Atahualpa, NVAR Mina Array Bay, YKA Yellowknife Ar, etc.

ISC 07:04:55:44.1,2,0,23,20S,005.66,62W,0,05, h250km, 16km, n35, s176/55, 7C, Juiuy Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SBA Scott Base, QSPA South Pole Qui, USRK Ussuriysk Ar, etc.

ISC 07:04:55:44.1,2,0,23,20S,005.66,62W,0,05, h250km, 16km, n35, s176/55, 7C, Juiuy Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like YJA Yavi, YFA Zapla, AZAP San Lorenzo, etc.

IDC 07:05:12:47.8,0.6,2,21,160S,168.68E, h0km, mb4.3/13, mbmp4.3/15, ML4.0/2, MS3.9/11, Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, LIFNC LIFOU, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

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

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ALOL LOMAS DE OLMED, IPOC Station P, IPOC Station P, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ONTNC Ouen Toro, NOUC Port Laguerre, KOUNC Koumac, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VNA2 Neumayer-Watz, SONM Songo Array, YBH Yreka Blue Hor, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FSA Cafayete, GO02 Mina Guanaco, GO02 Mina Guanaco, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RTZ Ruatana, BKZ Black Stump Fm, MRZ Mangatainoka, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARCES ARCES Array B, BDFB Brasilia, AKASE Main Array B, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB07 IPOC Station P, PB04 IPOC Station P, PB04 IPOC Station P, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, EIDS Eidsvoll, ARMA Armidale, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PRU Prunhonic, TREC Trest, HSKK Hora Svate Kat, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PATCX Punta Patache, PATCX Punta Patache, HMB3C Humburstone, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTVA Townsville Har, CTCTA Charters Tower, CTCTA Charters Tower, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CKRK Cesky Krumlov, KHC Kasperse Hory, GERES Geres Array B, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

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

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RPZ Rata Peaks, CMSA Cobar Meteorol, QLP Quilpie, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WATA Wata, RONA Rosalia, NKC Novy Kostel, etc.

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

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

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

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

ISC 07:05:12:51.8,0.6,2,21,160S,168.68E, h0km, mb4.7/30, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DAVA Damules, ESCD Seneca Array, TORD Torodi Ar, etc.

IDC 07 05:45:12.3,2.5,5.69S:153°51'E,h0km,mb3.4/3,
mbtmp3.5/3, Error ellipse: s-maj=166.9km
s-min=30.7km az=128.0, New Ireland region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
				Op	h m s	ISC
WRA	Warramunga Arr	23.41	231	P	05 50 22.5	-0.7
1.1nm,0.6s,baz=55,slow=9.2,SNR=15						
1.1nm,0.6s						
ASAR	Alice Springs	25.99	225	P	05 50 46.8	-0.3
0.4nm,0.5s,baz=57,slow=9.2,SNR=5.6						
0.4nm,0.5s						
ILAR	Eielson Array	82.72	22	P	05 57 37.1	-0.7
0.1nm,0.5s,baz=243,slow=4.0,SNR=1.3						
0.1nm,0.5s						
TORD	Torodi Ar. Bea	151.24	287	PKPbc	06 05 10.4	+0.9
0.4nm,0.7s,baz=66,slow=3.2,SNR=2.1						

SJA 07 05:49:33.8,0.6,20°05'S:69°01'W,h112km,2km,ML4.0,
MW3.9
GUC 07 05:49:34.9,0.7,20°06'S:69°05'W,h104km,3km,ML3.9
IDC 07 05:49:36.6,1.1,20°16'S:68°62'W,h119km,11km,mb3.8/2,
mbtmp4.1/5, Error ellipse: s-maj=29.8km s-min=9.3km
az=102.0

ISC 07 05:49:34.7,0.8,20°07'S:0°03'69.01'W,0.06,h103km,6km,
n38,ϕ181/66,Northern Chile

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
				Op	h m s	ISC
PB08	IPOC Station P	0.15	241	P	05 49 50.4	+0.8
PB08	IPOC Station P	0.15	241	eP	05 50 02.8	+2.1
PB08	IPOC Station P	0.15	241	eS	05 50 03.8	+2.1
IAML						
comp=Z,2um,0.2s						
PB08	IPOC Station P	0.15	241	eP	05 49 50.4	+0.8
PB08	IPOC Station P	0.15	241	iS	05 50 02.1	+1.4
PB08	IPOC Station P	0.15	241	iS	05 50 03.5	+1.4
IAML						
comp=N,6um,0.2s						
GO01	Chusmiza	0.43	337	eP	05 49 51.7	+0.8
GO01	Chusmiza	0.43	337	eS	05 50 04.8	+1.8
GO01	Chusmiza	0.43	337	eS	05 50 07.0	+1.8
IAML						
comp=Z,2um,0.3s						
GO01	Chusmiza	0.43	337	eP	05 49 51.7	+0.8
GO01	Chusmiza	0.43	337	iS	05 50 04.2	+1.2
GO01	Chusmiza	0.43	337	iS	05 50 04.2	+1.2
HMBC	Humberstone	0.85	255	eP	05 49 54.3	+0.4
HMBC	Humberstone	0.85	255	eS	05 50 09.8	+1.4
HMBC	Humberstone	0.85	255	eS	05 50 12.8	+1.4
IAML						
comp=Z,3um,0.3s						
HMBC	Humberstone	0.85	255	eP	05 49 54.3	+0.4
HMBC	Humberstone	0.85	255	iS	05 50 08.6	+0.2
HMBC	Humberstone	0.85	255	iS	05 50 12.4	+0.2
IAML						
comp=N,3um,0.3s						
PB01	IPOC Station P	1.07	205	eP	05 49 57.0	+0.8
PB01	IPOC Station P	1.07	205	eS	05 50 14.1	+1.7
PB01	IPOC Station P	1.07	205	eS	05 50 17.3	+1.7
IAML						
comp=Z,2um,0.2s						
PB01	IPOC Station P	1.07	205	eP	05 49 57.1	+0.8
PB01	IPOC Station P	1.07	205	iS	05 50 13.4	+1.1
PB01	IPOC Station P	1.07	205	iS	05 50 14.8	+1.1
IAML						
comp=E,4um,0.3s						
TA01	Diego Aracena	1.20	245	eP	05 49 58.0	+0.5
TA01	Diego Aracena	1.20	245	eS	05 50 16.9	+2.0
TA01	Diego Aracena	1.20	245	eS	05 49 58.0	+0.5
TA01	Diego Aracena	1.20	245	eS	05 50 15.2	+0.3
PATCX	Punta Patache	1.31	235	eP	05 49 59.5	+0.6
PATCX	Punta Patache	1.31	235	eS	05 50 19.6	+2.4
PATCX	Punta Patache	1.31	235	eS	05 50 24.8	+2.4
IAML						
comp=Z,988nm,0.3s						
PATCX	Punta Patache	1.31	235	eP	05 49 59.4	+0.6
PATCX	Punta Patache	1.31	235	iS	05 50 18.0	+0.8
PATCX	Punta Patache	1.31	235	iS	05 50 23.3	+0.8
IAML						
comp=N,3um,0.2s						
PB02	IPOC Station P	1.50	213	eP	05 50 02.0	+0.8
PB02	IPOC Station P	1.50	213	eS	05 50 23.4	+2.1
PB02	IPOC Station P	1.50	213	eS	05 50 28.7	+2.1
IAML						
comp=Z,3um,0.4s						
PB02	IPOC Station P	1.50	213	eP	05 50 02.0	+0.8
PB02	IPOC Station P	1.50	213	iS	05 50 22.9	+1.6
PB02	IPOC Station P	1.50	213	iS	05 50 29.3	+1.6
IAML						
comp=N,4um,0.1s						
PB09	IPOC Station P	1.73	187	eP	05 50 04.9	+0.7
PB09	IPOC Station P	1.73	187	eS	05 50 30.4	+3.7
PB09	IPOC Station P	1.73	187	eS	05 50 34.2	+3.7
IAML						
comp=Z,912nm,0.6s						
PB09	IPOC Station P	1.73	187	eP	05 50 05.5	+1.3
PB09	IPOC Station P	1.73	187	iS	05 50 28.2	+1.6
PB09	IPOC Station P	1.73	187	iS	05 50 33.6	+1.6
IAML						
comp=N,782nm,0.3s						
PB16	IPOC Station P	1.78	345	eP	05 50 06.7	+1.5
PB16	IPOC Station P	1.78	345	eS	05 50 12.4	-1.6
PB16	IPOC Station P	1.78	345	eS	05 50 06.2	+0.6
PB16	IPOC Station P	1.78	345	eS	05 50 30.1	+1.0
PB16	IPOC Station P	1.78	345	eS	05 50 39.3	+1.0
IAML						
comp=Z,960nm,0.4s						
PB07	IPOC Station P	1.84	206	eP	05 50 06.1	+0.6
PB07	IPOC Station P	1.84	206	iS	05 50 31.3	+2.2
PB12	IPOC Station P	1.91	319	eP	05 50 06.8	+0.5
PB12	IPOC Station P	1.91	319	eS	05 50 31.9	+1.5
PB12	IPOC Station P	1.91	319	eS	05 50 06.8	+0.5
PB12	IPOC Station P	1.91	319	eS	05 50 31.4	+1.1
AP01	Chacalluta	2.10	323	eP	05 50 09.0	+0.3
AP01	Chacalluta	2.10	323	eS	05 50 39.5	+4.8
AP01	Chacalluta	2.10	323	eS	05 50 42.1	+4.8
IAML						
comp=Z,649nm,0.3s						
PB04	IPOC Station P	2.49	205	eP	05 50 15.1	+1.1
PB04	IPOC Station P	2.49	205	eS	05 50 34.9	-9.2
PB04	IPOC Station P	2.49	205	eS	05 50 58.6	-9.2
IAML						
comp=Z,620nm,0.3s						
PB04	IPOC Station P	2.49	205	eP	05 50 14.9	+0.9
PB04	IPOC Station P	2.49	205	iS	05 50 11.9	+1.9
LVC	Limon Verde	2.53	178	eP	05 50 15.8	+1.1
LVC	Limon Verde	2.53	178	eS	05 50 46.4	+1.1
LVC	Limon Verde	2.53	178	eS	05 50 16.4	+1.8
IAML						
comp=Z,48nm,0.3s,baz=0.2,slow=7.6,SNR=185						
LVC	Limon Verde	2.53	178	P	05 50 46.8	+1.5
IAML						
comp=Z,57nm,0.4s,baz=333,slow=7.4,SNR=7.5						
PB06	IPOC Station P	2.68	191	eP	05 50 16.9	+0.5
PB06	IPOC Station P	2.68	191	eP	05 50 17.0	+0.5
PB06	IPOC Station P	2.68	191	eS	05 50 37.9	-1.1
PB06	IPOC Station P	2.68	191	eS	05 50 57.4	-1.1
IAML						
comp=Z,616nm,0.4s						
PB06	IPOC Station P	2.68	191	eP	05 50 16.6	+0.2
PB06	IPOC Station P	2.68	191	iS	05 50 47.2	-1.2
PB15	IPOC Station P	3.16	188	eP	05 50 23.8	+1.0
PB15	IPOC Station P	3.16	188	eS	05 51 02.4	+2.5
PB15	IPOC Station P	3.16	188	eS	05 51 13.6	+2.5
IAML						
comp=Z,1um,0.2s						
LPAZ	La Paz	3.85	13	eP	05 50 35.9	+3.4
LPAZ	La Paz	3.85	13	P	05 50 35.7	+3.2
LPAZ	La Paz	3.85	13	P	05 51 20.7	+3.6
IAML						
comp=Z,4.9nm,0.5s,baz=312,slow=22,SNR=1.5						
YJA	Yavi	3.88	123	eP	05 50 36.5	+3.8
PB14	IPOC Station P	4.72	196	eP	05 50 43.5	-0.3
PB14	IPOC Station P	4.72	196	eS	05 51 52.2	+1.5
PB14	IPOC Station P	4.72	196	eS	05 51 54.7	+1.5
IAML						
comp=Z,1.66nm,0.4s						
SIV	San Ignacio	8.57	63	P	05 51 34.3	-1.7
IAML						
comp=Z,4.6nm,0.5s,baz=234,slow=14,SNR=46						
SIV	San Ignacio	8.57	63	P	05 53 06.1	-5.0
IAML						
comp=Z,1.2nm,0.8s,baz=318,slow=21,SNR=2.1						
DBIC	Dimbokro	68.43	74	P	06 00 24.7	-1.3
IAML						
comp=Z,5.2nm,0.8s,baz=229,slow=6.5,SNR=6.1						
TORD	Torodi Ar. Bea	76.97	71	P	06 01 14.5	-2.1
IAML						
comp=Z,0.4nm,0.4s,baz=255,slow=4.8,SNR=7.5						
MKAR	Makanchi Array	144.52	35	PKP	06 08 57.7	-1.4
IAML						
comp=Z,0.4nm,0.4s,baz=327,slow=3.6,SNR=1.8						
SONM	Songino Array	152.05	7	PKPbc	06 09 18.0	-0.3
IAML						
comp=Z,0.2nm,0.4s,baz=333,slow=2.3,SNR=4.1						

SOME 07 05:55:21.5,4.2,25°N:80°58'E,h10km
KRIET 07 05:55:22.1,0.7,42°06'N:80°73'E,mb2.5
ISC 07 05:55:25.2,2.9,42°56'N:0°08'80.5E,0.1,h4km,13km,n13,
ϕ215/23,6C-4D, Kyrgyzstan-Xinjiang border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
				Op	h m s	ISC
KTMS	Ketmen	0.89	351	eP	05 55 44.1	-0.6
KTMS	Ketmen	0.89	351	eS	05 56 00.4	+2.2
IAML						
8.3nm,0.2s						

SHLS	Shalkode	0.99	307	eP	Pg	05 55 41.1	-2.9
SHLS	Shalkode	4.1nm,0.4s					
SHLS	Shalkode	4.1nm,0.4s		eS	Sg	05 55 55.2	-1.7
UZB	Uzunbulak	2.3nm,0.4s	1.26	298	eP	05 55 48.6	-1.1
UZB	Uzunbulak	2.3nm,0.4s		eS	Sg	05 56 08.1	+2.6
PRZ	Przheval'sk	6.4nm,0.1s	1.58	268	iP	05 55 55.5	+0.1
PRZ	Przheval'sk	6.4nm,0.1s		iS	Sg	05 56 19.3	+3.4
KPKS	Kokpek	9.7nm,0.1s	1.63	304	eP	05 55 56.1	-0.3
KPKS	Kokpek	9.7nm,0.1s		eS	Sg	05 56 21.1	+3.5
SATY	Saty	19nm,0.2s	1.64	288	eP	05 55 54.9	-0.1
SATY	Saty	19nm,0.2s		eS	Sg	05 56 18.9	+1.0
DJR	Jarkent	18nm,0.1s	1.85	343	eP	05 56 01.6	+1.0
DJR	Jarkent	18nm,0.1s		eLg	Lg	05 56 30.4	
ANVS	Anan'yev	7.7nm,0.2s	2.13	277	iP	05 56 03.9	-0.5
ANVS	Anan'yev	7.7nm,0.2s		iS	Sg	05 56 35.1	+1.6
TARG	Taragay, Kyrgy	4.6nm,0.2s	2.19	249	iP	05 56 01.7	-1.1
TARG	Taragay, Kyrgy	4.6nm,0.2s		iS	Sn	05 56 31.0	+0.3
MDOK	Medeo	2.7nm,0.4s	2.63	284	eP	05 56 12.1	-0.9
MDOK	Medeo	2.7nm,0.4s		eLg	Lg	05 56 48.6	
TNSS	Tian-Shan	4.8nm,0.2s	2.68	281	eP	05 56 12.7	-1.3
TNSS	Tian-Shan	4.8nm,0.2s		eLg	Lg	05 56 49.7	
ULHL	Ulhalo	2.8nm,0.2s	3.19	266	eP	05 56 17.6	+1.2
ULHL	Ulhalo	2.8nm,0.2s		iS	Sn	05 56 58.1	+3.0
BOOM	Boomsokoye usch	4.8nm,0.2s	3.40	270			

ISCO	baz=156	70.68	331	P	P	08 22 19.3	-0.4
ISCO	comp=Z,36nm,1.9s	70.68	331	P	P	08 22 20.8	+1.1
BRIGG	baz=144	70.74	332	P	P	08 22 20.3	+0.4
BRIGG	comp=Z,21nm,0.9s	70.95	319	P	P	08 22 22.0	+0.8
IKP	baz=134	70.95	319	P	P	08 22 22.1	+1.0
SWSC	baz=134	71.25	320	P	P	08 22 23.7	+0.6
BC3	baz=135	71.31	319	P	P	08 22 24.6	+1.1
MONP2	baz=134	71.42	321	P	P	08 22 25.5	+1.5
IRM	baz=135	71.43	324	P	P	08 22 24.4	0.0
U15A	baz=134	71.54	321	P	P	08 22 25.6	+0.9
NEE2	baz=136	71.71	331	P	P	08 22 26.8	+0.9
N23A	baz=133	71.72	318	P	P	08 22 26.8	+1.0
109C	baz=133	71.81	320	P	P	08 22 27.3	+0.8
BELC	baz=134	71.81	319	P	P	08 22 27.3	+0.8
TFPO	baz=134	71.82	319	P	P	08 22 27.2	+0.7
PFO	baz=134	71.82	319	P	P	08 22 27.6	+1.0
PFO	comp=Z,1.9nm,0.8s	71.82	319	P	P	08 22 27.6	+1.0
PFO	comp=Z,1.9nm,0.8s	71.82	319	P	P	08 22 28.1	+1.6
PFO	comp=Z,1.9nm,0.8s	71.82	319	P	P	08 23 00.1	+1.7
GMRG	baz=135	72.16	321	P	P	08 22 29.5	+0.9
O20A	baz=135	72.17	329	P	P	08 22 28.9	+0.4
O20A	comp=Z,1.5nm,0.8s	72.17	329	P	P	08 22 29.8	+1.2
O20A	baz=142	72.26	319	P	P	08 22 30.1	+1.1
MURC	baz=134	72.36	319	P	P	08 22 29.3	-0.5
LCMT	baz=134	72.56	325	P	P	08 22 30.6	-0.5
MTPU	baz=134	72.59	320	P	P	08 22 32.2	+1.2
HEC	baz=134	72.76	344	P	P	08 22 33.7	+2.0
YHM	baz=158	72.77	321	P	P	08 22 33.9	+1.8
TUQ	baz=135	72.89	327	P	P	08 22 33.6	+0.8
P17A	baz=135	72.89	327	P	P	08 23 07.6	
MSU	comp=Z,2.0nm,1.2s	72.91	326	P	P	08 22 33.7	+0.7
BFSC	baz=133	72.98	319	P	P	08 22 33.9	+0.5
RRX	baz=134	73.01	320	P	P	08 22 34.5	+1.1
K22A	baz=134	73.38	332	P	P	08 22 37.5	+1.8
RSSD	baz=146	73.53	334	P	P	08 22 37.8	+1.3
EDW2	baz=133	73.61	319	P	P	08 22 38.2	+1.2
FURC	baz=134	74.03	321	P	P	08 22 41.3	+2.0
MPMC	baz=134	74.12	321	P	P	08 22 41.3	+1.2
ISA	baz=134	74.43	320	P	P	08 22 42.0	+0.2
ISA	baz=133	74.43	320	P	P	08 22 43.3	+1.5
DUG	baz=133	74.49	326	P	P	08 22 44.2	+2.1
R11B	baz=138,SNR=5.4	74.63	323	P	P	08 22 43.5	+0.5
R11B	baz=138,SNR=7.4	74.63	323	P	P	08 22 44.8	+1.8
GRAC	baz=136,SNR=7.4	74.69	321	P	P	08 22 44.7	+1.5
CWC	baz=134	74.73	321	P	P	08 22 44.9	+1.4
PKM	baz=132	74.73	318	P	P	08 22 44.5	+0.9
BW06	baz=141	74.84	330	P	P	08 22 44.6	+0.4
BW06	baz=141	74.84	330	P	P	08 22 45.5	+1.3
PD31	baz=134	74.84	330	P	P	08 22 44.1	0.0
PDAR	baz=134	74.84	330	P	P	08 22 44.4	+0.2
PDAR	comp=Z,0.8nm,0.7s, baz=139,slow=7.5,SNR=6.6	74.84	330	P	P	08 22 44.5	+0.3
PDAR	comp=Z,0.8nm,0.7s, baz=139,slow=7.5,SNR=6.6	74.84	330	P	P	08 23 15.2	-1.0
YES	comp=Z,1.5nm,0.8s, baz=152,slow=6.7,SNR=5.9	74.92	319	P	P	08 22 45.6	+1.1
MDND	baz=132	75.06	339	P	P	08 22 47.6	+2.5
SMMC	baz=150	75.12	319	P	P	08 22 47.0	+1.3
AHID	baz=132	75.57	329	P	P	08 22 48.3	0.0
AHID	comp=Z,1.4nm,0.8s	75.57	329	P	P	08 23 22.1	
REDW	baz=132	75.91	330	P	P	08 22 50.4	+0.1
ULM	baz=132	76.01	342	P	P	08 22 50.1	-0.5
ULM	comp=Z,3.2nm,0.5s, baz=184,slow=7.7,SNR=6.0	76.01	342	P	P	08 23 22.9	+0.3
TPAW	comp=Z,2.6nm,0.6s, baz=214,slow=3.8,SNR=2.4	76.15	330	P	P	08 22 51.9	+0.8
TPAW	comp=Z,2.6nm,0.6s, baz=214,slow=3.8,SNR=2.4	76.15	330	P	P	08 23 25.9	
ELK	comp=Z,3.7nm,1.6s	76.15	325	P	P	08 22 52.6	+0.9
ELK	comp=Z,2.0nm,0.9s, baz=144,slow=4.3,SNR=6.6	76.15	325	P	P	08 23 23.8	-0.1
MOOV	comp=Z,3.2nm,0.9s, baz=127,slow=2.6,SNR=7.2	76.15	330	P	P	08 22 51.4	-0.2
NVAR	comp=Z,0.9nm,0.7s, baz=147,slow=7.3,SNR=8.6	76.21	322	P	P	08 22 53.1	+1.1
NVAR	comp=Z,2.5nm,0.9s, baz=146,slow=6.6,SNR=7.9	76.21	322	P	P	08 23 24.4	+0.1
VNDA	comp=Z,1.0nm,0.8s, baz=132,slow=3.3,SNR=7.2	76.26	190	P	P	08 22 52.8	+1.2
LAO	baz=144,SNR=7.6	76.52	334	P	P	08 22 54.8	+1.4
RLMT	baz=142	76.55	332	P	P	08 22 54.7	+0.9
H17A	baz=140	76.57	330	P	P	08 22 55.0	+1.0
DMGT	baz=140	77.21	337	P	P	08 22 59.2	+2.0
TOAO	baz=146,SNR=5.5	77.27	70	P	P	08 22 57.7	-0.6
TOAO	comp=Z,1.2nm,0.8s	77.27	70	P	P	08 22 58.7	
TORD	baz=142	77.27	70	P	P	08 22 57.3	-1.0
TORD	comp=Z,7.6nm,0.6s, baz=263,slow=4.5,SNR=5.1	77.27	70	P	P	08 22 58.1	-0.1
TORD	comp=Z,2.9nm,0.8s, baz=251,slow=4.8,SNR=2.0	77.27	70	P	P	08 23 00.1	-0.7
HLID	baz=137,SNR=16	77.77	328	P	P	08 23 02.8	+2.1
BOZ	baz=140,SNR=8.2	77.97	331	P	P	08 23 03.1	+1.5
EGMT	baz=142	79.03	333	P	P	08 23 08.6	+1.3
TSUM	baz=142	79.54	106	P	P	08 23 10.2	-0.7
TSUM	comp=Z,2.3nm,0.9s	79.54	106	P	P	08 23 12.9	
MSO	baz=138	79.96	330	P	P	08 23 13.5	+1.1
F10A	baz=138	80.90	328	P	P	08 23 17.8	+0.3
PINE	comp=Z,1.7nm,1.2s	81.31	325	P	P	08 23 20.6	+0.7
PINE	comp=Z,1.7nm,1.2s	81.31	325	P	P	08 23 24.8	
I05D	comp=Z,1.1nm,0.9s	81.89	325	P	P	08 23 23.8	+1.1
I05D	comp=Z,1.1nm,0.9s	81.89	325	P	P	08 23 57.5	
BOSA	comp=Z,2.1nm,1.0s	82.85	118	P	P	08 23 28.4	+0.1

MAW	comp=Z,1.4nm,0.9s, baz=254,slow=4.1,SNR=12	83.61	163	P	P	08 23 32.1	+1.0
ESDC	comp=Z,6.3nm,0.6s, baz=191,slow=5.7,SNR=14	86.07	44	P	P	08 23 43.4	-0.6
ESDC	comp=Z,6.3nm,0.6s, baz=191,slow=5.7,SNR=14	86.07	44	P	P	08 23 44.7	+0.7
YKA	comp=Z,3.0nm,1.2s, baz=229,slow=4.0,SNR=6.6	91.92	340	P	P	08 24 11.4	+0.5
YKA	comp=Z,2.3nm,0.7s, baz=143,slow=3.9,SNR=4.5	101.85	331	P	P	08 24 44.2	+0.2
CRQE	baz=116	101.85	331	P	P	08 24 56.8	+0.7
BMRM	baz=114	102.61	331	P	P	08 25 00.3	+0.9
EYAK	baz=113	102.97	330	P	P	08 25 02.1	+1.2
F28M	baz=112	103.45	338	P	P	08 25 03.7	+0.7
J26L	baz=113	105.35	335	P	P	08 25 03.9	+0.4
GLI	baz=113	107.31	330	P	P	08 25 04.6	+0.4
SCM	baz=111	104.15	331	P	P	08 25 06.5	+0.2
H1S2	baz=110	108.28	277	T	T	10 50 23.1	
H1S1	baz=105,slow=75,SNR=54	108.28	277	T	T	10 50 35.3	
H1S3	baz=105,slow=75,SNR=64	108.28	277	T	T	10 50 38.9	
H1N3	baz=105,slow=75,SNR=63	108.28	277	T	T	10 50 40.1	
H1N2	baz=104,slow=74,SNR=5.4	108.28	278	T	T	10 50 40.4	
H1N1	baz=104,slow=74,SNR=5.4	108.28	278	T	T	10 50 40.7	
ASAR	comp=Z,1.1nm,0.8s, baz=138,slow=1.8,SNR=9.6	129.48	207	PKP	PKPdf	08 30 11.9	-0.1
ASAR	comp=Z,1.2nm,0.8s, baz=138,slow=1.8,SNR=9.6	129.48	207	PKP	PKPdf	08 30 45.5	-0.6
WRA	comp=Z,2.0nm,0.8s, baz=155,slow=1.5,SNR=8.7	132.55	210	PKP	PKPdf	08 30 18.4	+0.5
WRA	comp=Z,2.0nm,0.8s, baz=155,slow=1.5,SNR=8.7	132.55	210	PKP	PKPdf	08 30 51.3	-0.6
BVAR	comp=Z,1.2nm,0.8s, baz=157,slow=1.8,SNR=5.0	142.41	26	PKP	PKPdf	08 30 24.0	+0.5
KURBB	comp=Z,2.0nm,0.4s, baz=289,slow=6.8,SNR=4.0	141.70	34	PKP	PKPdf	08 30 33.5	-0.2
ZALV	comp=Z,0.5nm,0.4s, baz=300,slow=2.8,SNR=2.2	142.41	26	PKP	PKPdf	08 30 07.3	-0.9
KSH	comp=Z,2.0nm,0.4s, baz=300,slow=2.8,SNR=2.2	145.25	52	PKP	PKPdf	08 30 41.4	+0.7
MKAR	comp=Z,4.9nm,0.8s, baz=327,slow=2.9,SNR=3.1	145.97	37	PKP	PKPdf	08 30 42.5	+0.2
MKAR	comp=Z,2.6nm,0.8s, baz=306,slow=4.3,SNR=3.6	150.80	37	PKP	PKPdf	08 30 16.1	+0.2
WMQ	comp=Z,2.6nm,0.8s, baz=306,slow=4.3,SNR=3.6	150.80	37	PKP	PKPdf	08 30 48.7	-0.6
MJAR	comp=Z,2.6nm,0.8s, baz=306,slow=4.3,SNR=3.6	152.74	308	PKP	PKPdf	08 31 33.3	-0.6
MDJ	comp=Z,2.6nm,0.8s, baz=110,slow=1.0,SNR=4.5	153.08	331	P	P	08 30 51.2	-1.4
MDJ	comp=Z,6.0nm,0.5s			pmax	pmax		
MDJ	comp=Z,2.9nm,6.3s			pmax	pmax		
SOMN	comp=Z,1.2nm,0.3s, baz=349,slow=0.7,SNR=2.2	154.06	8	PKP	PKP	08 31 03.4	+1.1
KSR5	comp=Z,2.1nm,0.3s, baz=349,slow=0.7,SNR=2.2	154.06	8	PKP	PKP	08 31 37.6	-0.6
HHC	comp=Z,1.2nm,0.3s, baz=45,slow=3.6,SNR=4.0	161.37	360	eP	PKPdf	08 31 05.2	+1.9
NJ2	comp=Z,1.2nm,0.3s, baz=45,slow=3.6,SNR=4.0	168.15	328	eP	PKPdf	08 31 09.1	-0.2
PZH	comp=Z,6.0nm,0.5s	170.16	62	PKP	PKPdf	08 31 09.3	-1.6

NEIC 07 08:12:02.9d.0.3, 36.912N:0.007:97.65W:0.01, h4km, 6km, Error ellipse: s-maj=1.7km s-min=1.1km az=90.0

TUL 07 08:12:03.1d.0.4, 36.921N:0.017:97.65W:0.01, h8km, 8km, ML3.2, mb, Lg2, 9/80(NEIC), ML3.2/48(NEIC), Error ellipse: s-maj=1.7km s-min=1.3km az=150.0

ANF 07 08:12:04.6d.0.4, 36.891N:97.61W, h9km, ML3.6/12, Error ellipse: s-maj=1.7km s-min=1.3km az=24.0

ISC 07 08:12:03.1d.0.9, 36.891N:0.027:97.65W:0.02, h8km, 9km, n96, c086/61, Oklahoma

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC

7d 8h

2017 NOV

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for MKAR Makanchi Array, KURBS Kurchow Arra, and BVAR Boroyevoy Array.

NOU 07 08:34:31.1, 21.535S; 169.55E, h0km, MLV4.3/8, Southeast of Loyalty Islands

IDC 07 08:34:38.7, 0.9, 21.79S; 168.97E, h0km, mb4.0/9, mbtmp4.0/10, ML3.5/1, MS3.2/3, Error ellipse: s-maj=32.6km s-min=20.0km az=168.0

NEIC 07 08:34:40.9, 1.6, 21.66S; 0.07, 168.9E, 0.1, h1.0km, 2km, mb4.2/10, Error ellipse: s-maj=17.6km s-min=11.8km az=74.0

ISC 07 08:34:43.5, 0.7, 21.66S; 0.08, 168.80E, 0.07, h29km, n39, a103/39, mb4.1/14, Loyalty Islands

Main table of seismic events with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for MARNC Mare, PINNC Pines Island, MRZ Mangatainoka, WRA Warramunga Arr, and others.

IDC 07 08:42:58.4, 6.2, 16.33S; 177.95E, h0km, mb3.8/3, mbtmp3.8/3, Error ellipse: s-maj=276.6km s-min=35.9km az=143.0, Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, ASAR Alice Springs, and ILAR Eielson Array.

NEIC 07 08:46:33.0, 1.3, 60.58N; 0.09, 4.7E, 0.2, h5km, 9km, ML4.0/16.0, Error ellipse: s-maj=13.3km s-min=10.3km az=164.0

DNK 07 08:46:34.7, 1.5, 60.56N; 5.11E, h0km, ML4.1, ML3.2(UPP), Suspected explosion

NAO 07 08:46:34.3, 1.7, 60.57N; 4.74E, h9km, 7km, ML3.6

IDC 07 08:46:35.9, 2.1, 60.78N; 4.94E, h0km, mb3.4/1, mbtmp3.7/6, ML3.5/5, Error ellipse: s-maj=20.2km s-min=15.6km az=16.0

BGS 07 08:46:35.7, 0.6, 60.47N; 4.69E, h1.1km, 4km, ML3.7

BER 07 08:46:36.2, 2.2, 60.54N; 4.67E, h1.2km, 4km, ML3.6, MW3.6, ML3.7(EGS), Confirmed Earthquake

UPP 07 08:46:37.7, 2.0, 60.47N; 5.40E, h0km, ML3.2

ISC 07 08:46:30.6, 0.6, 60.56N; 0.02, 4.70E, 0.03, h0km, n140, a246/231, 3C-18D, Southern Norway

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for ASK Askoy, BER Bergen, and others.

Main table of seismic events with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for HYA Hoyanger, BLSL Blasjo, STAV Stavanger, AKN Aaknes, and others.

Main table of seismic events with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for NRAO, NC405, STRU, TBLU, FINU, VANU, TJOU, UDDH, HFS, NASU, MUD, BIGH, ORBU, BORU, FKPU, NAMS, DRUM, KON, KONO, LERW, NBOO, NBO00, NBO01, NBO02, NBO03, NBO04, NBO05, NBO06, NBO07, NBO08, NBO09, NBO10, NBO11, NBO12, NBO13, NBO14, NBO15, NBO16, NBO17, NBO18, NBO19, NBO20, NBO21, NBO22, NBO23, NBO24, NBO25, NBO26, NBO27, NBO28, NBO29, NBO30, NBO31, NBO32, NBO33, NBO34, NBO35, NBO36, NBO37, NBO38, NBO39, NBO40, NBO41, NBO42, NBO43, NBO44, NBO45, NBO46, NBO47, NBO48, NBO49, NBO50, NBO51, NBO52, NBO53, NBO54, NBO55, NBO56, NBO57, NBO58, NBO59, NBO60, NBO61, NBO62, NBO63, NBO64, NBO65, NBO66, NBO67, NBO68, NBO69, NBO70, NBO71, NBO72, NBO73, NBO74, NBO75, NBO76, NBO77, NBO78, NBO79, NBO80, NBO81, NBO82, NBO83, NBO84, NBO85, NBO86, NBO87, NBO88, NBO89, NBO90, NBO91, NBO92, NBO93, NBO94, NBO95, NBO96, NBO97, NBO98, NBO99, NBO100, NBO101, NBO102, NBO103, NBO104, NBO105, NBO106, NBO107, NBO108, NBO109, NBO110, NBO111, NBO112, NBO113, NBO114, NBO115, NBO116, NBO117, NBO118, 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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like IAML, MODS, STHS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like MODS, STHS, TREC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like RAHZ, KNZ, KHU, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like RCHB, OUL, KIF, etc.

MOS 07 09:01:38.5 1.0, 17:57S:178:59W, h539km, mb5.6/34, Error ellipse: s-maj=3.2km s-min=7.1km az=126. IPGP 07 09:01:39.0 1.0, 17:58S:178:56W, h568km, Mw5.8, Fault plane solution: NP1=186.00000°, 85.00000°, 1.93.00000°. NP2=338.00000°, 86.00000°, 1.62.00000°. Hypocentre not reviewed by the ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like PAE, PPT2, PPT2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like IDC, JMA, ISC, etc.

NEIC 07 09:01:41.3, 17:67S:178:46W, h550km, Moment Tensor Solution. Duration: 37 Moment tensor: Scale 10^17Nm; M=0.30; Mw=0.33; Mw=0.63; Mw=0.35; Mw=0.73; Mw=4.68; Fault plane solution: M=4.78000x10^17 NP1: 184.53000°, 87.56000°, 1.99.52000°. NP2: 268.78000°, 89.83000°, 1.14.46000°. Principal axes: T 4.2709, Plg47.0000°, Azm104.0000°; N 0.2162, Plg10.0000°, Azm4.0000°; P -4.8871, Plg42.0000°, Azm265.0000°

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like IPEC, VIE, PRU, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like TAVE, DGTI, MSVF, etc.

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

2017 NOV

Table with columns: TUC, 7d, 9h, 81.70, 52, P, P, 09 13 02.9 +1.6, etc. Lists various locations like Tucson, I07A Ize, K17K Iditarod, etc.

Table with columns: M24K, 83.61, 15, Iamb, Iamb, 09 15 15.2, etc. Lists various locations like Tolsona, Glenn, M24K Tolsona, etc.

Table with columns: TIY, 85.08, 281, P, P, 09 13 16.9 -1.0, etc. Lists various locations like SURA, L26K, I21K, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like E19K Redstone River, ALPN Alpine, H24K Noodor Dome, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like BTO comp=Z,120nm,1.3s, CRAI comp=Z,190nm,1.4s, E23K Chandalar, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like FLDN Fort Liard, RTBA Rita Blanca, EPYK Eagle Plains, etc.

Table with columns: RSD, comp, pmax, pmax, and various station identifiers like PLPT, VNA1, OGNE, etc.

Table with columns: LMEL, comp, pmax, pmax, and various station identifiers like GTA, VNA3, C36M, etc.

Table with columns: LPAZ, comp, pmax, pmax, and various station identifiers like GOGA, HYB, ZSN, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like DIAM Diamantina, MG, SBV Sambava, AB31 Akbulak array, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like GNI Garni, GNI Garni, GNI Garni, KBZ Khabaz, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like YAYX Yaylak, BEBI Beino, ODBI Odobesti, etc.

7d 9h

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like RAZG, LOT, KLYT, ZVC, etc.

2017 NOV

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like RETA, RFTA, WTTA, DALY, etc.

486

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like CHVC, OSTC, UPC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like TROLL, QSPA, CPUP, Vnda, H10N1, H10N3, H10N2, HCONR, LPAZ, RPN, DBIC, TORD, SONM, ILAR.

IDC 07 10:13:23.7.3.8.5.46S.131.41E, h0km, mb3.6/1, mbtmp3.1/3, ML2.9/2, Error ellipse: s-maj=254.1km s-min=33.5km az=73.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like WRA, WRA, ASAR, MKAR.

NOU 07 10:15:21.5.22.15S.169.89E, h0km, MLV3.8/7, Southeast of Loyalty Islands, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like YATNC, OUCEN, LIFNC, ONTNC, DZM, NOUC, KOUNC.

IDC 07 10:43:19.6.0.9.53.14N.166.70W, h0km, mb4.1/26, mbtmp4.1/28, ML3.3/2, MS3.7/27, Error ellipse: s-maj=25.5km s-min=12.8km az=176.0

AEIC 07 10:43:20.6.3.3.52.76N.0.04.166.66W, h0km, mb4.4km, Error ellipse: s-maj=6.9km s-min=1.1km az=218.0

NEIC 07 10:43:24.4.2.9.52.81N.0.04.166.78W, h0km, mb4.2/42, ML4.0/10, ML3.9/AEIC, Error ellipse: s-maj=8.8km s-min=3.7km az=205.0

ISC 07 10:43:24.8.1.2.52.84N.0.08.166.65W, h0km, mb4.1/28, MS3.7/26, Fox Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like OKFG, OKFC, MGOD, MAPS, UNV, OKER, MNAT, OKNC, MSW, OKCE, MTBL, ZRO, NIKH, AKRB, AKV, AKLV, AKUT, AKUT, AKUT, AKUT, AKUT, AKSA, CLCO, CLES, CLES, WESP, WECS, WEBT, SSBA, BRPK, ISLZ, FALS, FALS, PSIA, SDPT, CNBA, ATKA, ATKA, SPJA, SPJA, GSKC, CHGN, ADK, ADK, KIWB, O14K, R17K, M19K, SII, N15K, O16K, M14K, AMKA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like L14K, Kuka Creek, P18K, K19K, M16K, N17K, KDKA, KDKA, KDKA, O18K, C19K, L16K, N18K, K15K, M17K, ILSW, N19K, L18K, K17K, CNPM, L19K, M20K, O22K, PWL, CAST, J20K, IMAR, VRDI, VRDI.

IDC 07 10:43:19.6.0.9.53.14N.166.70W, h0km, mb4.1/26, mbtmp4.1/28, ML3.3/2, MS3.7/27, Error ellipse: s-maj=25.5km s-min=12.8km az=176.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like G21K, C22K, H23K, ILAR, ILAR, L26K, G23K, SCRK, M27K, M27K, HYT, HYT, M29M, TOLK, TOLK, DAWY, BARW, K29M, MAYO, P32M, P32M, J30M, I30M, G29M, FARO, EPYK, EPYK, D27M, H31M, E29M, R33M, R33M, DLBC, DLBC, PETK, PETK, INK, INK, INK, INK, BBB, C36M, C36M, YKA, YKA, YBH, EDMA, K05A, ASAJ, RES, NVAR, NVAR, ELK, ELK, PDAR, PDAR, H1N2, H1N3, H1N1, H1S1, H1S2, H1S3, H1P3, MJAR, MJAR, MJAR, MAJO, MAJO, ANMO, KSRS, KSRS, DAG, SUMG, TX31, TX32, TX32, TX32.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like TXAR, TXAR, SONM, SONM, SCHO, JMJC, ARCES, ZALV, ZALV, KURBB, BVAR, BVAR, MKAR, FINES, NOA, NOA, HFS, AKTO, DAV, AAK, EKA, AKASG, CMAR, CMAR, KBZ, DAVOX, GEYT, BRTR, BRTR, ESDC, H03N2, H03N1, H03N3.

IDC 07 10:49:10.8.1.1.4.99S.102.75E, h0km, mb4.2/12, mbtmp4.2/12, Error ellipse: s-maj=59.3km s-min=14.4km az=52.0

NEIC 07 10:49:14.9.1.6.5.28S.0.08.102.8E, h0.1, h13km, gkm, mb4.3/10, Error ellipse: s-maj=18.6km s-min=7.7km az=56.0

DJA 07 10:49:20.0.7.5.5.4.10.3E, h27km, gkm, M4.4/14, mb4.5/4, MLV4.4/14

ISC 07 10:49:19.1.0.7.4.96S.0.08.102.95E, h0km, n53, s1501/46, mb4.3/17, Southern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like MNAI, MNAI, LWLI, LHSI, KASI, KLI, PMBI, PMBI, CGJI, PPSI, PPBI, PDSI, DSRI, CNUJ, SISI, BKNI, XMSI, CMJI, UGM, WRA, WRA, WRA, WRA, WRAP, WRAP, WB2, WB2, WRO, AS31, AS31, ASAR, ASAR, COEN, COEN.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes entries for CTa, CTAO, STKA, SONM, MKAR, KURBB, H04S1, H04S3, H04S2, ZALV, BVAR, BRTR, FINES, ARCES, TXAR.

IDC 07 10:49:48.75,9,41.54N:142.59E,h0km,mb3.5/6, mbmp3.5/6, Error ellipse: s-maj=206.5km s-min=32.7km az=63.0

JMA 07 10:49:53.4,0.1,41.5N:0.5:142.5E:0.6,h37km,2km, MV3.3/40,E OFF AOMORI PREF

ISC 07 10:49:51.3,1.2,41.54N:142.54E:0.04,h16km,8km, n31,c0553/38,mb3.5/6,13D,Hokkaido region

Main table with columns: Code, Station Name, Az, El, P, S, Time, Res. Lists various stations like Erimo, Urakawa-nobuka, etc.

IDC 07 11:20:13.4,0.9,28.63N:51.64E,h0km,mb4.0/15, mbmp4.0/18,ML3.6/3, Error ellipse: s-maj=21.6km s-min=17.6km az=23.0

TEH 07 11:20:15.7,28.63N:51.52E,h18km,16km,ML3,8 NEIC 07 11:20:16.3,2.6,28.8N:0.1:51.7E:0.1,h10km,2km, mb4.4/15, Error ellipse: s-maj=21.8km s-min=17.3km az=266.0

OMAN 07 11:20:19.6,0.1,28.39N:51.85E,h10km,mb4.5/12, mb3.8/10, Error ellipse: s-maj=1.6km s-min=1.0km az=0.0 DSN 07 11:20:21.6,1.2,28.47N:52.13E,h15km,ML3.4/6, Error ellipse: s-maj=42.2km s-min=11.4km az=36.0

ISC 07 11:20:16.1,0.5,28.54N:0.03:51.54E:0.03,h24km,n127, r160/153,mb4.0/24,Southern Iran

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes entries for DSBu, AHBu, QIR1, SHI, JHRM, LMRD, LAR1, SAKB, SHMA, SHMA, IRAM, IBRJ, ZNGN, JHBN, JRN, TRNA, SMRA, ISAD, IGAR, IMEH, IPIR, IZEF, ICHK.

Main table with columns: Code, Station Name, Az, El, P, S, Time, Res. Lists various stations like Bafgh, Negar Kerman, Koh Gabri, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes entries for CMAR, TORD, SPB2, SPITS, DBIC, USA0B, USA0B, A36M, A36M, C23K, C23K, ILAR, ILAR, WRA, WRA, ASAR, ASAR.

NOU 07 11:33:35.4,21.76S:169.47E,h0km,MLV4.1/9,Southeast of Loyalty Islands

IDC 07 11:33:41.4,2.0,21.77S:168.91E,h0km,mb3.6/3, mbmp3.6/4,ML3.5/1,MW2.5/1, Error ellipse: s-maj=56.2km s-min=29.1km az=12.0

ISC 07 11:33:42.9,1.6,21.8S:0.1:169.0E:0.1,h10km,n19, r0474/20,mb3.7/3,Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Lists various stations like MARNC, MARNC, PINNC, LIFNC, YATNC, YATNC, OUCNC, OUCNC, DZM, DZM, DZM, DZM, WRA, WRA, GSPA, GSPA, GERES, GERES.

NEIC 07 11:52:03.1,1,10.8S:0.1:162.1E:0.2,h63km,5km, mb4.3/7, Error ellipse: s-maj=25.0km s-min=12.2km az=63.0

IDC 07 11:52:04.3,2.8,10.8S:162.02E,h71km,25km,mb3.2/5, mbmp3.6/7,MW3.8/1, Error ellipse: s-maj=30.1km s-min=19.1km az=59.0

ISC 07 11:52:06.0,9,10.8S:0.1:162.2E:0.1,h36km,n20, r1578/21,mb3.9/8,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Lists various stations like HNR, HNR, HNR, HNR, KOUNC, KOUNC, LIFNC, LIFNC, DZM, DZM, CTA, CTA, WB2, WB2, WRA, WRA, ASAR, ASAR, KNRA, KNRA, KSAR, KSAR, VVDA, VVDA, VVDA, VVDA, GSPA, GSPA, GSPA, GSPA, L18K, L18K, ILAR, ILAR.

IDC 07 11:52:00.9,1.4,37.42N:142.15E,h0km,mb3.7/5, mbmp3.6/9,ML2.9/4,MW3.0/3, Error ellipse: s-maj=31.1km s-min=19.1km az=79.0

NIED 07 11:52:07.0,37.36N:141.79E,h44km,MW3.6,Moment Tensor Solution. s3 Moment tensor: Scale 10^14N; Mw=2.7; Mo=0.51; Mw=2.24; Mo=1.77; Mw=1.04; Mo=0.08; Fault plane solution: Mw3.210000*10^14 NP1: p=229.000000; s=859.000000; t=116.000000. NP2: p=6.000000; s=840.000000; t=354.000000

Table with columns: JMM, Marumori, 0.98 304, jIP, Pn, 11 52 24.0 -0.3, etc.

EAFF 07 12:06:46.1, 26°81'S-30°43'E, h10km, MC3.6
BULL 07 12:06:50.5, 1.3, 26°63'S-30°03'E, h10km, MD3.8

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

CATAC 07 12:12:19.4, 1.0, 13°06'N-90°07'W, h22km, 10km, ML3.5,
Hypocentre not reviewed by the ISC

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: PAVA, Las Pavas, 1.26 62, iP, 12 12 42.6, etc.

MEX 07 12:12:45.1, 1.4, 16°36'N-95°60'W, h37km, 52km, MD3.4,
Oaxaca

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

SJA 07 12:17:36.1, 0.8, 29°44'S-71°53'W, h22km, 2km, ML4.4,
MW4.3
NEIC 07 12:17:39.7, 1.6, 29°44'S-71°38'W, 0.07, h37km, 8km,
mb4.5/29, ML4.1 (GUC), Error ellipse: s-maj=9.5km
s-min=4.2km az=103.0

GUC 07 12:17:39.7, 0.6, 29°46'S-71°29'W, h45km, 3km, ML4.1
IGC 07 12:17:43.5, 2.5, 29°35'S-71°24'W, h75km, 22km, mb3.7/8,
mbtmp4.0/13, MS3.3/8, Error ellipse: s-maj=24.7km
s-min=17.7km az=62.0

ISC 07 12:17:38.2, 1.1, 29°49'S-072°17'38'W, 0.04, h32km, 8km,
n123, e203/152, mb4.4/22, MS3.7/3, 2C, Near coast of
central Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: VCA, comp=Z, 520nm, 1.0s, 12 12 42.6, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Petropavlovsk, AVH Avacha, KRER Koryakskii, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Ikpikpuk River, Ayikyak River, B22K Teshekpuk Lake, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MOPA Mopani, SAUI Saumliki, WRA Warrungarra Arr, etc.

ETL	baz=237	eS	Sn	14 28 31.2	-0.6
NACB	Ninganchiao	1.00 240	Pb	14 28 18.0	-0.6
NACB	Ninganchiao	1.00 240	P	14 28 18.0	-0.1
NACB	Ninganchiao	1.00 240	P	14 28 18.2	-0.4
NACB	baz=239	eS	Sb	14 28 31.1	-0.2
YM01	YM01	1.00 298	eP	14 28 18.1	-0.5
YM01	baz=298	eS	Sb	14 28 30.9	-0.5
TATO	Taipei	1.00 287	P	14 28 18.2	-0.4
TATO	Taipei	1.00 287	P	14 28 31.1	-0.4
TATO	Taipei	1.00 287	P	14 28 18.7	-0.1
YM08	YM08	1.00 301	eP	14 28 17.8	-0.9
YM08	baz=301	eS	Sb	14 28 30.4	-1.1
TWY	Chenhua	1.04 305	eP	14 28 19.9	+0.6
TWY	baz=305	eS	Sb	14 28 32.0	-0.6
TWD	Chiawan	1.05 236	eP	14 28 19.8	+0.4
TWD	baz=242	eS	Sn	14 28 33.8	+0.5
ANP	Anpu	1.06 299	eP	14 28 20.6	+1.0
ETLH	Xiulin Townshi	1.07 244	eP	14 28 19.9	-0.1
ETLH	baz=252	eS	Sn	14 28 34.7	+0.5
NSK	Sanguang	1.08 270	P	14 28 20.1	+0.1
NSK	baz=269	eS	Sn	14 28 33.8	-0.4
NNSB	Datong	1.09 257	iP	14 28 20.0	-0.1
NNSB	baz=256	eS	Sn	14 28 34.1	-0.3
NNS	Nan Shan	1.09 258	eP	14 28 20.4	+0.1
NNS	baz=257	eS	Sn	14 28 34.6	0.0
NTST	Danshui	1.11 296	eP	14 28 20.1	-0.2
NTST	baz=296	eS	Sn	14 28 34.4	-0.3
TWS1	Kuangyinshan	1.11 293	eP	14 28 20.0	-0.4
TWS1	baz=293	eS	Sn	14 28 34.3	-0.5
IRIF	Iriomote-Funau	1.13 107	P	14 28 19.8	-0.7
IRIF	baz=107	S	Sb	14 28 35.0	-0.1
ETM	Tongmen	1.19 234	eP	14 28 22.1	+0.2
ETM	baz=232	eS	Sn	14 28 38.5	+1.6
LXIB	Xiulin Townshi	1.22 238	eP	14 28 22.7	+0.2
LXIB	baz=236	eS	Sn	14 28 39.8	+1.9
WHF	Hehuan Shan	1.28 246	eP	14 28 23.7	+0.1
WHF	baz=253	eS	Sn	14 28 40.9	+1.3
NFF	Wufeng Townshi	1.30 268	eP	14 28 23.6	-0.1
NFF	baz=259	iS	Sb	14 28 40.8	+0.9
HATJ	Hateruma jima	1.30 118	P	14 28 22.4	-0.5
HATJ	baz=118	eS	Sn	14 28 39.2	+0.3
TWT	Tachien	1.32 252	eP	14 28 24.2	+0.1
TWT	baz=259	iS	Sb	14 28 42.2	+1.6
ESL	Shilin	1.33 230	P	14 28 23.6	-0.6
TDCB	Techi	1.33 252	eP	14 28 24.6	+0.3
LIOB	Emei	1.39 269	eP	14 28 25.9	+0.6
LIOB	baz=268	eS	Sb	14 28 42.6	0.0
CHGB	Renai	1.39 244	P	14 28 25.9	+0.5
CHGB	baz=225	eS	Sb	14 28 43.7	+0.9
JKRS	Kuro-shima	1.41 108	P	14 28 24.2	-0.1
JKRS	baz=108	S	Sn	14 28 39.2	+0.8
NSST	Nanjiang	1.41 268	eP	14 28 24.3	-0.2
SBCB	Hsinchu	1.42 275	eP	14 28 24.3	-0.2
SBCB	baz=290	eS	Sb	14 28 44.1	+0.6
WARBT	Fenglin Townsh	1.42 228	P	14 28 24.7	+0.1
EGFH	Guangfu	1.43 226	eP	14 28 24.7	+0.1
EGFH	baz=224	eS	Sb	14 28 43.1	-0.6
OWD	Renai	1.44 240	eP	14 28 26.1	-0.1
OWD	baz=224	eS	Pb	14 28 26.1	-0.1
WUSB	Renai	1.47 243	eP	14 28 26.7	0.0
WUSB	baz=225	eS	Sb	14 28 45.5	+0.6
JJU	Ishigaki jima	1.49 102	P	14 28 24.8	-0.6
JJU	baz=102	S	Sn	14 28 43.7	-0.5
WHP	Taichung City	1.51 255	eP	14 28 28.6	+1.2
HGSD	Ruisui	1.56 221	eP	14 28 26.5	+0.1
HGSD	baz=207	eS	Sb	14 28 46.8	-0.7
VWDT	VWDT	1.58 235	P	14 28 28.0	-0.4
JISG	Ishigakijimahi	1.61 93	P	14 28 27.1	0.0
JISG	baz=233	eS	Sn	14 28 47.8	+0.5
WCS	Beigang Elemen	1.61 248	eP	14 28 29.0	0.0
EHY	Hungye	1.61 224	eP	14 28 27.5	+0.3
EHY	baz=222	eS	Sn	14 28 47.7	+0.4
SMLT	Sun Moon Lake	1.69 243	eP	14 28 30.2	-0.3
SSLB	Suanguang	1.70 239	P	14 28 29.3	-1.2
SSLB	baz=233	eS	Pb	14 28 30.1	-0.5
SSLB	Suanguang	1.70 239	P	14 28 29.3	-1.2
SSLB	baz=222	eS	Pb	14 28 29.3	-1.2
YULB	Yu-li	1.71 222	P	14 28 28.5	0.0
YULB	baz=222	P	Sn	14 28 28.8	+0.3
YULB	Yu-li	1.71 222	P	14 28 28.5	0.0
YULB	baz=220	eS	Sn	14 28 49.7	-0.1
TYC	Yuchr	1.72 244	eP	14 28 30.5	-0.4
EYUL	Yuli	1.73 220	eP	14 28 29.3	+0.5
TWF1	Yuli	1.74 221	eP	14 28 29.2	+0.2
WDJ	Dajia District	1.76 260	eP	14 28 30.5	-1.1
WHYT	Xinyi Township	1.83 238	eP	14 28 32.1	-0.6
FULB	Fuli	1.86 218	eP	14 28 31.0	+0.4
WJS	Zhushan	1.86 243	eP	14 28 33.8	+0.5
WNT	Mingjian	1.87 245	eP	14 28 33.1	-0.4
EHD	Haiduan	1.95 219	eP	14 28 31.7	-0.1
JTJ	Tarama	1.96 91	P	14 28 32.7	+0.7
JTJ	baz=91	S	Sn	14 28 56.2	+0.2
ALS	Alishan	1.97 234	eP	14 28 34.4	-0.9
CHN5	Tsauling	2.02 238	eP	14 28 35.1	-0.9
ELDTW	Lidau	2.04 224	eP	14 28 33.5	+0.5
ELDTW	baz=221	eS	Sn	14 28 57.8	-0.1

EDH	Donghe	2.04 214	eP	Pn	14 28 32.6	-0.4
EDH	baz=201	iS	Sn	14 28 57.6	-0.2	
WRL	Guolierlin Hig	2.12 249	eP	Pb	14 28 35.6	+1.4
WRL	baz=246	eS	Sb	14 29 04.3	+0.6	
WCKO	Fanlu	2.16 236	eP	Pb	14 28 37.8	-0.6
LONT	Longtian	2.19 217	eP	Pb	14 28 35.0	-0.1
STYH	Taoyuan	2.21 228	eP	Pn	14 28 37.4	-1.7
CHN4	Tsushan	2.22 234	eP	Pb	14 28 38.1	-1.2
TPUB	Ta-pu	2.22 232	eP	Pb	14 28 37.4	-2.0
TPUB	Ta-pu	2.22 232	eP	Pb	14 28 37.4	-2.0
TPUB	Ta-pu	2.22 232	eP	Pb	14 28 37.5	-2.0
WTP	Ta-pu	2.27 232	eP	Pb	14 28 38.4	-1.9
TWGBT	Beinan	2.29 216	P	Pn	14 28 36.6	+0.2
TWGBT	Beinan	2.29 216	eP	Pn	14 28 36.3	-0.1
TWGBT	baz=214	eS	Sn	14 29 04.6	+0.7	
TWG	Pinlang	2.29 216	eP	Pn	14 28 36.3	+0.2
TWG	Pinlang	2.29 216	eP	Pn	14 28 36.7	+0.2
TWK	Hsinying	2.35 234	eP	Pb	14 28 39.9	-1.7
CHN1	Nanshi	2.37 232	eP	Pb	14 28 40.5	-1.5
SNST	Tainan City	2.37 233	eP	Pb	14 28 40.1	-1.8
SLGT	Liugu	2.41 226	eP	Pb	14 28 40.7	-2.0
SLGT	baz=224	eS	Sb	14 29 10.4	-1.6	
JKMK	Ikenajima	2.47 84	eP	Pb	14 28 40.0	+1.1
SCST	Cishan	2.59 227	eP	Pb	14 28 43.0	-2.7
TSMG	Majia	2.62 222	eP	Pn	14 28 43.1	+2.1
MASBT	Mashibulo	2.70 221	eP	Pn	14 28 43.5	+1.4
TSCK	Chigu Township	2.72 236	eP	Pn	14 28 44.4	+2.1
MATB	Mazuo	2.77 303	eP	Pn	14 28 42.7	-0.4
LYUB	Lan-yu	2.81 199	eP	Pn	14 28 41.8	-1.7
VWUC	VWUC	2.83 277	eP	Pn	14 28 45.5	+1.6
WDGT	Dungji	2.99 242	eP	Pn	14 28 47.9	+1.8
XPSS	Dashiqu	3.09 317	eP	Pn	14 28 47.3	-0.2
LYJJ	Jianjiangzhen	3.13 307	eP	Pn	14 28 48.2	+0.2
PTMZ	Houxiangcun	3.13 277	eP	Pn	14 28 49.3	+1.3
JOW	Kungimi	5.59 66	Pn	Pn	14 29 22.8	+0.9
KSR5	Korea Array	13.54 19	Pn	P	14 31 19.1	-0.6
SONM	Songio Array	26.42 335	P	P	14 33 36.5	+1.3
WB0	Warramunga Arr	45.66 164	P	Iamb	14 36 19.6	+0.4
WB0	baz=316	Iamb	Iamb	14 36 33.5	0.0	
WRA	Warramunga Arr	45.81 164	P	P	14 36 21.1	+0.7
WRA	comp=Z,7.9nm,1.4s	45.81 164	P	P	14 36 21.1	+0.7
WRO	Warramunga Arr	45.88 164	P	Iamb	14 36 21.1	+0.2
WRO	comp=Z,8.1nm,1.4s	45.88 164	P	Iamb	14 36 42.1	0.0
AS31	Alice Springs	49.30 166	P	P	14 36 47.4	-0.1
ASAR	Alice Springs	49.30 166	P	P	14 36 47.1	-0.4
ASAR	Alice Springs	49.30 166	P	P	14 36 49.1	+1.6
F20K	Avarara Lake	64.33 26	P	P	14 38 34.7	+1.2
GCAR	Creeper Creek A	70.81 29	P	P	14 39 14.6	+0.1
INK	Inuvik	72.30 22	P	Iamb	14 39 23.5	0.0
INK	comp=Z,0.6nm,0.6s	72.30 22	P	Iamb	14 39 54.7	0.0
BURAR	Bucovina Array	76.87 316	P	P	14 39 49.7	-0.9

ETL	baz=233	eS	Sn	14 57 43.0	-0.7	
NACB	Ninganchiao	0.91 238	P	Pn	14 57 28.7	-0.3
NACB	baz=230	eS	Sn	14 57 43.0	-0.8	
YM01	YM01	0.93 301	iP	Pn	14 57 28.9	-0.2
YM01	baz=292	eS	Sn	14 57 42.7	-1.4	
YM08	YM08	0.93 304	eP	Pn	14 57 28.8	-0.4
TWD	Chiawan	0.97 233	eP	Pn	14 57 31.3	+1.8
TWD	baz=230	eS	Sn	14 57 42.8	-1.9	
NSK	Sanguang	0.98 271	iP	Pn	14 57 29.8	0.0
NSK	baz=275	eS	Sn	14 57 44.9	-0.3	
ETLH	Xiulin Townshi	0.99 243	eP	Pn	14 57 29.6	-0.2
ETLH	baz=234	eS	Sn	14 57 44.6	-0.7	
NNSB	Datong	0.99 256	iP	Pn	14 57 30.2	+0.3
NNSB	baz=249	eS	Sn	14 57 45.1	-0.4	
NNS	Nan Shan	1.00 257	eP	Pn	14 57 30.2	+0.1
NNS	baz=250	eS	Sn	14 57 45.7	+0.1	
TWS1	Kuangyinshan	1.02 295	eP	Pn	14 57 29.9	-0.2
ETM	Tongmen	1.11 231	eP	Pn	14 57 30.9	-0.2
ETM	baz=228	eS	Sn	14 57 46.5	-1.1	
LXIB	Xiulin Townshi	1.14 236	eP	Pn	14 57 30.9	-0.7
LXIB	baz=224	eS	Sn	14 57 47.2	-1.1	
WHF	Hehuan Shan	1.19 244	eP	Pn	14 57 32.7	+0.2
WHF	baz=241	S	Sn	14 57 49.6	-0.3	
NFF	Wufeng Townshi	1.21 269	eP	Pn	14 57 31.9	-0.3
NFF	baz=276	S	Sn	14 57 49.3	-0.3	
IRIF	Iriomote-Funau	1.22 105	P	Pn	14 57 32.4	+0.1
IRIF	baz=105	S	Sn	14 57 49.9	+0.2	
TWT	Tachien	1.22 251	eP	Pn	14 57 33.4	+0.9
TWT	baz=242	eS	Sn	14 57 50.7	+0.6	
TDCB	Techi	1.24 251	eP	Pn	14 57 32.7	0.0
TDCB	baz=242	eS	Sn	14 57 50.5	+0.1	
ESL	Shilin	1.25 228	eP	Pn	14 57 32.3	-0.4
ESL	baz=233	eS	Sn	14 57 49.1	-1.3	
LIOB	Emei	1.30 269	eP	Pn	14 57 33.6	+0.3
LIOB	baz=267	iS	Sn	14 57 51.0	-0.4	
CHGB	Renai	1.30 243	P	Pn	14 57 34.1	+0.5
CHGB	baz=234	iS	Sn	14 57 52.2	+0.3	
NSST	Nanjiang	1.31 269	eP	Pn	14 57 33.3	-0.1
NSST	baz=266	eS	Sn	14 57 51.6	-0.1	
WARBT	Fenglin Townsh	1.35 226	eP	Pn	14 57 33.0	-0.9
WARBT	baz=230	eS	Sn	14 57 51.0	-1.4	
OWD	Renai	1.35 239	eP	Pn	14 57 35.3	+1.2
OWD	baz=232	eS	Sn	14 57 52.5	-0.3	
EGFH	Guangfu	1.36 223	eP	Pn	14 57 34.3	+0.3
EGFH	baz=230	eS	Sn	14 57 51.6	-1.0	
WUSB	Renai	1.38 241	eP	Pn	14 57 35.0	+0.6
WUSB	baz=239	iS	Sn	14 57 53.3	0.0	
WHP	Taichung City	1.42 254	P	Pn	14 57 35.7	+0.9
WHP						

IDC 07 15:33:54.0.2.8, 15.18N:94.23W, h0km, mb3.6/3, mbtmp3.6/4, ML4.8/2, MS3.4/4, Error ellipse: s-maj=49.6km s-min=36.3km az=27.0

NEIC 07 15:33:57.0.2.9, 15.27N:0.07:94.26W:0.04, h4km, 2km, mb4.2/34, Md4.5/45(MEX), Error ellipse: s-maj=10.1km s-min=5.4km az=160.0

MEX 07 15:33:58.0.0.8, 15.00N:94.32W, h23km, 30km, MD4.5

ISC 07 15:33:54.3.1.6, 15.111N:0.05:94.34W:0.03, h4km, 10km, n85, e232/111, mb4.1/10, Near coast of Oaxaca

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists various stations like CARR, PCIG, PEIG, N38A, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists stations like 121A, OK048, BLOK, etc.

IDC 07 15:34:09.8.4.5, 8.59S:158.56E, h182km, 90km, mb3.1/4, mbtmp3.6/4, Error ellipse: s-maj=146.3km s-min=27.9km az=125.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists stations like HNR, WRA, ASAR, etc.

GUC 07 15:50:36.7.0.5, 24.15S:67.32W, h229km, 9km, ML3.7, 8C, Chile-Argentina border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists stations like LVC, PB15, GO02, etc.

THE 07 15:55:21.2.37:38N:24.84E, h10km, 3km, ML2.7/6, Error ellipse: s-maj=4.1km s-min=0.9km az=220.0

ISK 07 15:55:21.0.37:36N:24.89E, h19km, ML2.4/9

AFAD 07 15:55:23.0.10.37:54N:25.14E, h7km, 3km, ML2.0

ISC 07 15:55:20.9.1.1, 37.38N:0.03:24.88E:0.03, h14km, 10km, n23, e081/38, Southern Greece

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists stations like APE, MHL0, VLY, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists stations like KARB, KTHA, GCAM, etc.

VAO 07 16:00:03.7.0.5, 21.02S:68.67W, h98km, 4km, mb4.6

IDC 07 16:00:04.6.0.6, 21.10S:68.47W, h103km, 5km, mb3.8/10, mbtmp4.2/13, MS3.1/7, Error ellipse: s-maj=15.7km s-min=8.1km az=102.0

NEIC 07 16:00:04.6.1.5, 21.16S:0.05:68.66W:0.07, h107km, 4km, s-maj=6.9km az=87.0

SJA 07 16:00:04.6.1.9, 21.14S:68.70W, h100km, ML4.2, MW4.3

GUC 07 16:00:05.0.2.0, 21.17S:68.71W, h111km, 4km, ML4.3

ISC 07 16:00:04.0.5, 21.09S:0.03:68.62W:0.04, h103km, 4km, n181, e1940/201, mb4.5/19, 10C-8D, Chile-Bolivia border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists stations like PB01, PB09, PB07, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes entries like IPOC Station P, Yavi, Chacalluta, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes entries like South Pole Qui, Cedar City, Pinedale Array, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes entries like Korea Array, Matsuhiro Arr, Matsu-Tunnel, etc.

7d 16h

Table with columns for station code, name, frequency, power, and coordinates. Includes stations like FRU1 Bishkek, BOOM Boomsokoye usch, CHMS Chumysh, etc.

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Table with columns for station code, name, frequency, power, and coordinates. Includes stations like MDOK Medeo, MDOK Kurchatov, etc.

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Table with columns for station code, name, frequency, power, and coordinates. Includes stations like DDI Dehra Dun, BRZS Berezinski, etc.

7d 18h

mb4.3/12, Error ellipse: s-maj=16.3km s-min=12.5km az=201.0

ISC 07 18:28:51.8+0.8, 1.53N+0.08E:124.32E+0.07, h300km, n31, c=159/32, mb3.9/10, Minahassa Peninsula, Sulawesi

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

NEIC 07 18:58:50.9+1.8, 29.44N+0.08E:66.46E+0.08, h18km, mb4.4/km, mb5.0/118, Error ellipse: s-maj=12.2km s-min=8.9km az=140.0

BUI 07 18:58:51.0+0.0, 29.40N+66.50E, h10km, mb4.6/31, mb5.1/21, Ms4.6/26, Ms7.4/425

IDC 07 18:58:52.4+0.6, 29.79N+66.12E, h0km, mb4.3/31, mbmp4.3/34, ML4.1/3, MS4.1/46, Error ellipse: s-maj=13.2km s-min=11.7km az=176.0

MOS 07 18:58:52.6+1.5, 29.65N+66.39E, h29km, mb5.0/49, MS4.0/6, Error ellipse: s-maj=4.8km s-min=3.2km az=93.1

GCMT 07 18:58:56.9+0.3, 29.77N+0.02E:66.06E+0.02, h28km, mb4.9/km, MW4.9/86, Moment Tensor Solution. s28,c34; s86,c122; Duration: 0 Moment tensor: Scale 10^19Nm; Mrr-0.40z-12; Mth-0.95z-10; Mtt-1.35z-11; Mtr-0.45z-17; Mtr-2.75z-09; Mtr-0.07z-17; Best double couple: M0.31700+1016; NP1.0+102.00000; s86.00000; N-171.00000; NP2: e=11.00000; s81.00000; N-2.00000; Principal axes: T 3.2060, Plg5.0000; Azm236.0000; N-0.3760; Plg81.0000; Azm115.0000; P-2.8270, Plg8.0000; Azm327.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 07 18:58:52.6+0.3, 29.78N+0.04E:66.29E+0.03, h10km, n531, c=196/506, mb4.7/137, MS4.1/59, 31C-16D, Pakistan

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

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Table with columns: ASHO, Ashiyah, SNR, 1042 243, P, Pn. Lists seismic events with station names and magnitudes.

500

Table with columns: ABTO, Aybut, SNR, 17.15 227, P, P. Lists seismic events with station names and magnitudes.

7d 18h									
KNMB	Chin-men Tao	46.36 84	P	P	19 07 12.1	-7.1			
DAVA	Damuels	46.42 308	P	P	19 07 17.8	-1.6			
MSSA	Maissana	46.68 304	P	I Amb	19 07 19.8	-1.7			
MSSA	comp-Z,3.2nm,0.7s				19 07 51.1				
TUE	Stuetta	46.77 307	P	P	19 07 21.3	-1.1			
TUE	comp-Z,15nm,1.0s				19 08 10.1				
NC602	NORSAR Array S	47.40 327	P	P	19 07 26.6	-0.2			
NC405	NORSAR Array S	47.41 327	P	P	19 07 26.0	-0.9			
NB2	NORSAR Subarra	47.63 327	P	P	19 07 28.2	-0.4			
NOA	NORSAR Array B	47.63 327	P	P	19 07 29.3	+0.7			
NOA	comp-Z,2.5nm,0.9s,baz=108,slow=7.3,SNR=5.5				19 31 37.5				
KEST	Keara	47.69 293	P	P	19 07 27.9	-1.6			
KEST	Keara	47.69 293	P	P	19 07 29.6	+0.1			
KEST	comp-Z,4.9nm,0.9s,baz=146,slow=7.3,SNR=1.9				19 29 51.7				
SENN	Lac Senin/Sane	48.19 307	P	P	19 07 33.4	0.0			
ECH	Echery	48.26 310	P	I Amb	19 07 33.4	-0.3			
ECH	comp-Z,16nm,1.3s				19 07 59.4				
ECH	Echery	48.26 310	P	P	19 07 33.4	-0.3			
HEH	HeiHe	49.58 48	eP	P	19 07 45.8	+2.1			
HEH	comp-Z,10.0nm,0.8s								
HEH	comp-Z,230nm,4.7s								
ZEa	Zeya	49.60 43	eP	P	19 07 41.7	-2.1			
ZEa	comp-Z,10.0nm,1.1s								
ZEa	comp-E,200nm,13.0s								
ZEa	comp-Z,2.00nm,16.0s								
KSRS	Korea Array	51.11 64	P	P	19 07 57.4	+1.9			
KSRS	comp-Z,2.0nm,0.7s,baz=275,slow=8.0,SNR=6.8				19 33 33.8				
MDJ	Mudanjiang	51.33 55	P	P	19 07 55.2	-1.9			
MDJ	comp-Z,5.0nm,1.1s								
MDJ	comp-Z,99nm,3.6s								
MDJ	comp-Z,650nm,14.1s								
MDJ	comp-Z,430nm,16.3s								
MDJ	comp-Z,560nm,14.9s								
YAK	Yakutsk	51.73 32	P	I Amb	19 07 58.8	-1.0			
YAK	comp-Z,15nm,0.7s				19 08 06.8				
YAK	Yakutsk	51.73 32	eP	P	19 08 01.1	+1.3			
YAK	ePPP				19 08 08.6	+3.7			
YAK	e				19 09 09.9				
YAK	ePPP				19 09 52.7				
YAK	eS				19 15 23.4	+2.2			
YAK	eSS				19 15 37.3	+1.0			
YAK	eSSS				19 17 48.5				
YAK	comp-Z,15nm,0.9s				19 20 38.8				
YAK	comp-E,2.0nm,1.0s								
YAK	comp-N,3.0nm,1.1s								
YAK	comp-Z,133nm,3.7s								
YAK	comp-N,94nm,3.3s								
YAK	comp-E,83nm,2.3s								
YAK	comp-N,219nm,3.5s								
YAK	comp-E,84nm,2.5s								
YAK	comp-Z,226nm,18.0s								
YAK	comp-N,119nm,21.0s								
YAK	comp-E,103nm,16.0s								
KLR	Kul'dur	52.42 49	P	P	19 08 05.4	+0.2			
USA0B	Ussuriysk Arra	53.09 55	P	P	19 08 06.8	-3.3			
USA0B	Ussuriysk Arra	53.09 55	P	P	19 08 06.8	-3.3			
USA0B	comp-Z,6.0nm,0.8s								
USRK	Ussuriysk Ar.	53.09 55	P	P	19 08 06.6	-3.5			
USRK	Ussuriysk Ar.	53.09 55	P	P	19 08 06.6	-3.5			
USRK	Ussuriysk Ar.	53.09 55	LR	LR	19 34 06.3				
SPB2	Spitsbergen Ar	53.20 349	P	P	19 08 09.8	-0.7			
SPITS	Spitsbergen Ar	53.21 349	P	P	19 08 10.2	-0.3			
SPITS	comp-Z,63nm,1.4s								
SPITS	Spitsbergen Ar	53.21 349	P	P	19 08 12.4	+1.8			
SPITS	comp-Z,24nm,1.1s,baz=101,slow=15,SNR=2.6				19 35 29.7				
TIXI	Tiksi	53.45 20	P	I Amb	19 08 11.7	-0.7			
TIXI	comp-Z,24nm,1.1s				19 08 22.6				
TIXI	Tiksi	53.45 20	P	P	19 08 11.7	-0.7			
TIXI	comp-Z,25nm,1.2s								
LEM	Lembang	53.85 126	LR	LR	19 34 09.2				
JOW	Kunigami	54.08 77	LR	LR	19 32 39.1				
JOW	comp-Z,96nm,19.2s,baz=303,slow=39								
JNU	Nakatsue	54.43 69	LR	LR	19 35 52.9				
JNU	comp-Z,201nm,18.5s,baz=280,slow=41								
EKA	Eskdalemuir Ar	54.55 319	P	P	19 08 20.6	0.0			
EKA	comp-Z,3.1nm,0.7s,baz=103,slow=7.8,SNR=12								
JMIC	Jan Mayen	57.21 338	LR	LR	19 34 09.6				
JMIC	comp-Z,126nm,18.1s,baz=76,slow=37								
ESDC	Sonsecra Array	57.25 300	P	P	19 08 39.7	-0.7			
ESDC	comp-Z,0.6nm,0.6s,baz=76,slow=6.2,SNR=6.9								
LSZ	Lusaka	57.93 225	LR	LR	19 34 26.1				
LSZ	comp-Z,145nm,18.7s,baz=28,slow=37								
MJAR	Matsushiro Arr	59.33 63	P	P	19 08 56.7	+1.9			
MJAR	comp-Z,1.2nm,0.8s,baz=305,slow=7.8,SNR=2.4				19 37 12.6				
MDT	Mideit	59.59 293	LR	LR	19 40 51.2				
MDT	comp-Z,120nm,18.1s,baz=313,slow=39								
MDT	comp-Z,1.2nm,0.8s								
DAV	Davao City (W)	59.93 100	LR	LR	19 38 06.2				
DAV	comp-Z,100nm,20.0s,baz=330,slow=39								
YSS	Yuzh-Sakhalins	60.05 50	P	P	19 08 57.1	-2.5			
YSS	Yuzh-Sakhalins	60.05 50	eP	P	19 09 01.7	+2.1			
YSS	e				19 09 44.5				
YSS	comp-Z,20nm,1.5s								
YSS	comp-Z,400nm,16.0s								
YSS	comp-N,100nm,14.0s								
YSS	comp-E,300nm,15.0s								
DAG	Danmarks Havn	60.10 345	iP	P	19 09 00.0	+0.5			
ASAJ	Asahikawa	60.60 53	LR	LR	19 37 47.1				
ASAJ	comp-E,308nm,18.2s,baz=300,slow=38								
TOAO	Torodi Ar. Sitt	61.64 269	P	I Amb	19 09 07.9	-3.0			
TOAO	comp-Z,14nm,1.4s				19 09 54.4				

TORD	Torodi Ar. Bea	61.64 269	P	I Amb	19 09 07.9	-3.0			
TORD	comp-Z,7.3nm,1.2s				19 09 54.4				
TORD	Torodi Ar. Bea	61.64 269	P	I Amb	19 09 10.5	-0.4			
TORD	comp-Z,0.5nm,0.6s,baz=53,slow=6.6,SNR=3.9				19 39 25.5				
BORG	Borghnes	62.49 331	LR	LR	19 38 00.8				
BORG	comp-Z,293nm,19.1s,baz=87,slow=38								
TSUM	Tsumber	67.62 230	LR	LR	19 42 51.9				
TSUM	comp-Z,116nm,19.2s,baz=35,slow=39								
BOSA	Boshof	70.05 218	P	P	19 10 00.1	-4.8			
BOSA	comp-Z,24nm,1.4s				19 10 32.1				
BOSA	Boshof	70.05 218	P	P	19 10 00.1	-4.8			
BOSA	comp-Z,24nm,1.4s								
BOSA	Boshof	70.05 218	P	P	19 10 05.9	+1.0			
BOSA	comp-Z,2.3nm,0.6s,baz=38,slow=7.4,SNR=9.0				19 38 51.1				
DBIC	Dimbokro	70.36 266	P	P	19 10 04.0	-3.0			
DBIC	comp-Z,95nm,21.4s,baz=22,slow=34				19 10 10.9				
DBIC	Dimbokro	70.36 266	P	P	19 10 04.0	-3.0			
DBIC	comp-Z,18nm,1.4s								
DBIC	Dimbokro	70.36 266	P	P	19 10 04.0	-3.0			
DBIC	comp-Z,18nm,1.4s								
DBIC	Dimbokro	70.36 266	P	P	19 10 07.5	+0.4			
DBIC	comp-Z,6.7nm,1.1s,baz=52,slow=5.0,SNR=5.0				19 41 56.8				
GUMO	Guam	73.58 84	LR	LR	19 43 00.3				
GUMO	comp-Z,58nm,19.9s,baz=88,slow=36								
C16K	Lisburne Hills	75.07 18	P	P	19 10 33.5	-0.7			
SUR	Sutherland	75.37 219	LR	LR	19 46 51.6				
SUR	comp-Z,71nm,18.0s,baz=2.5,slow=38								
C18K	Utukok River	75.84 16	P	P	19 10 37.1	-1.6			
D19K	Kuna River	76.69 15	P	P	19 10 41.8	-1.9			
D19K	Kuna River	76.69 15	P	P	19 10 49.0	+5.6			
C21K	Kniefblade Rid	76.89 14	P	P	19 10 51.5	+6.9			
C21K	comp-Z,6.7nm,1.1s								
E18K	Tukpahleirik C	76.92 17	P	P	19 10 42.7	-2.0			
E18K	Tukpahleirik C	76.92 17	P	P	19 10 52.0	+5.5			
E20K	Nigu River	77.31 15	P	P	19 10 52.5	+5.5			
E20K	comp-Z,14nm,0.8s								
F17K	Baldvin Penin	77.50 18	P	P	19 10 46.5	-1.4			
E19K	Redstone River	77.71 16	P	P	19 10 46.6	-2.6			
E19K	Redstone River	77.71 16	P	P	19 10 54.4	+5.2			
A36M	Sachs Harbour	78.20 4	P	P	19 10 57.4	+6.1			
A36M	comp-Z,6.7nm,1.1s								
TOLK	Toolik Lake Re	78.37 13	P						

Table with columns for station name, coordinates, and various parameters. Includes stations like CART Cartagena, EGRO El Granado, and others.

Table with columns for station name, coordinates, and various parameters. Includes stations like PVRL Vila Real, POLO Lamas de Oio, and others.

Table with columns for station name, coordinates, and various parameters. Includes stations like GOMU, SMLA Simla, and others.

7d 20h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA Warramunga Arr, STKA Stephens Creek, MKAR Makanchi Array, MKAR Karatay Array.

IDC 07:20:42:13.1±1.5, 40:37N;72:01'E, h0km, mb3.7/4, mbtmp3.6/6, ML3.0/2, Error ellipse: s-maj=34.4km s-min=24.1km az=141.0

Main table for 7d 20h section, listing station data for various codes (TSTA, ANR, FRG, OHH, etc.) and their corresponding parameters.

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Main table for 2017 NOV section, listing station data for various codes (CHMS, BOOM, SGDS, DZI, etc.) and their corresponding parameters.

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Main table for 506 section, listing station data for various codes (MARNC, PINNC, LIFNC, etc.) and their corresponding parameters.

IDC 07:20:43:38.8±3.0, 21:25S; 169:67'E, h0km, mb3.5/5, mbtmp3.5/6, ML3.2/1, MS3.3/3, Error ellipse: s-maj=154.6km s-min=28.2km az=156.0

Table with columns: QIS, Mount Isa, 16.63 193, P, Pn, 21 30 24.2 +0.2, etc. Lists various locations and their associated data points.

Table with columns: BKB, comp=Z,815nm,0.9s, Iamb, Iamb, 21 32 53.0, etc. Lists various locations and their associated data points.

Table with columns: JMZ, Minamidaito 2, 32.22 339, P, P, 21 32 54.8 +0.2, etc. Lists various locations and their associated data points.

7d 21h

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Table with multiple columns containing station names (e.g., NWA0, MJAR, MAJO), frequencies (e.g., 21 33 43.0), and various status indicators (e.g., P, S, LR, Iamb). The table lists numerous stations and their operational details across the page.

SYZ	Scrubby Hill	47.59	156	P	P	21 35 04.8	+3.0	
SRDT	SRDT	47.77	294	P	P	21 35 05.2	+1.5	
MLSI	Meulaboh, Aceh	47.85	280	P	P	21 35 03.7	-0.7	
MSHR	Mys Shultsa	47.97	348c	P	P	21 35 05.4	+0.6	
YUK	Yuzh-Kuril'sk	48.14	2c	iP	P	21 35 05.7	-0.3	
YUK				e ^{PP}	pP	21 35 34.8	+1.9	
YUK				e	P	21 36 31.6		
YUK				ePPP	PPP	21 37 50.8		
YUK				eS	S	21 41 55.2	+0.9	
YUK				e ^{SS}	sS	21 42 44.4	+2.1	
YUK				e	P	21 44 46.2		
YUK	comp=Z,1µm,1.2s				pmax	pmax		
YUK	comp=E,886nm,1.1s				pmax	pmax		
YUK	comp=N,664nm,1.0s				pmax	pmax		
YUK	comp=Z,1µm,1.8s				pmax	pmax		
YUK	comp=N,3µm,16.0s				MLR	MLR		
YUK	comp=Z,4µm,16.0s				MLR	MLR		
YUK	comp=E,565nm,12.0s				MLR	MLR		
ASAJ	Asahikawa	48.18	359	P	P	21 35 06.6	+0.3	
ASAJ	Asahikawa	48.18	359	P	P	21 35 06.4	0.0	
ASAJ	comp=Z,1µm,1.3s				pmax	pmax		
ASAJ	Asahikawa	48.18	359	LR	LR	21 58 43.6		
JKA	Kamikawa-asahi	48.18	359	P	P	21 35 06.4	+0.1	
JKA	Kamikawa-asahi	48.18	359	iP	P	21 35 06.7	+0.3	
VLA	Vladivostok	48.34	349c	iP	P	21 35 08.6	+1.0	
VLA	comp=Z,1µm,1.3s				pmax	pmax		
LYN	LuoYang	48.45	325	iP	P	21 35 09.6	+0.9	
LYN				PP	PP	21 37 01.9	-0.6	
LYN				ScP	ScP	21 40 19.2	+1.7	
LYN				PcS	PcS	21 40 29.3	0.0	
LYN				S	S	21 42 01.0	0.0	
LYN				sS	sS	21 42 51.0	+3.7	
LYN				SS	SS	21 45 29.4	-3.1	
LYN	comp=Z,2µm,1.0s				pmax	pmax		
LYN	comp=Z,1.6µm,4.1s				pmax	pmax		
CRAI	Chiangrai	48.88	301	P	P	21 35 13.0	+0.8	
CRAI	comp=Z,401nm,1.2s				IAMB	IAMB		
KMI	Kunming	49.23	309	iP	P	21 35 16.9	+1.9	
KMI				sP	sP	21 35 55.8	+1.0	
KMI				PP	PP	21 37 11.4	+1.4	
KMI				PcS	PcS	21 40 34.6	+1.1	
KMI				S	S	21 42 14.4	+1.8	
KMI				sS	sS	21 42 58.0	-1.0	
KMI				ScS	ScS	21 44 55.6	-0.6	
KMI				SS	SS	21 45 44.9	-0.8	
KMI	comp=Z,1µm,1.1s				pmax	pmax		
KMI	comp=Z,9µm,9.0s				pmax	pmax		
KMI	comp=Z,3µm,23.2s				LR	LR		
KMI	comp=Z,4µm,16.0s				LR	LR		
KMI	comp=Z,6µm,17.3s				LR	LR		
SNY	Shenyang	49.36	340	iP	P	21 35 15.9	+0.5	
SNY				sP	sP	21 35 43.8	+1.5	
SNY				PP	PP	21 35 56.9	+1.7	
SNY				S	S	21 42 11.0	-2.4	
SNY				SS	SS	21 45 39.8	-7.0	
SNY	comp=Z,1µm,1.1s				pmax	pmax		
USA0B	Ussuriysk Arra	49.36	349	P	P	21 35 16.0	+0.6	
USA0B	Ussuriysk Arra	49.36	349	P	P	21 35 16.0	+0.6	
USA0B	comp=Z,1µm,1.2s				pmax	pmax		
USRK	Ussuriysk Ar.	49.36	349	P	P	21 35 15.9	+0.5	
USRK	comp=Z,960nm,1.1s,baz=168,slow=8,SNR=297				LR	LR	21 54 02.0	
USRK	comp=Z,10µm,20.1s,baz=169,slow=33				LR	LR	22 07 02.7	
USRK	comp=Z,5.7nm,1.0s,baz=336,slow=4.2,SNR=4.4				P	P	21 35 16.4	+0.7
HNS	HongShan	49.39	330	iP	P	21 35 41.9	-0.8	
HNS				sP	sP	21 35 56.4	+0.9	
HNS				S	S	21 42 14.5	+0.6	
HNS				sS	sS	21 43 01.4	+1.1	
HNS	comp=Z,2µm,1.0s				pmax	pmax		
HNS	comp=Z,13µm,8.0s				LR	LR		
HNS	comp=Z,8µm,19.8s				LR	LR		
HNS	comp=Z,5µm,21.6s				LR	LR		
HNS	comp=Z,10µm,18.0s				LR	LR		
JWK2	Keihoku	49.39	358	P	P	21 35 15.7	+0.1	
CM31	Chiang Mai Arr	49.40	299	P	P	21 35 17.1	+0.9	
CMAR	Chiang Mai Arr	49.40	299	iP	P	21 35 17.5	+1.3	
CMAR	comp=Z,412nm,0.8s				pmax	pmax		
CMAR	Chiang Mai Arr	49.40	299	P	P	21 35 16.8	+0.6	
CMAR	Chiang Mai Arr	49.40	299	iP	P	21 35 17.5	+1.3	
CMAR	comp=Z,348nm,0.9s				pmax	pmax		
CMAR	Chiang Mai Arr	49.40	299	P	P	21 35 17.4	+1.3	
CMAR	comp=Z,326nm,0.8s,baz=120,slow=6.5,SNR=401				PKPPKP	PKPPKP	22 06 11.0	
KUR	Kuril'sk	49.44	4	eP	P	21 35 16.6	+0.7	
KUR				eS	S	21 37 10.3		
KUR				eS	S	21 42 16.3	+1.9	
KUR	comp=Z,1µm,1.2s				pmax	pmax		
KUR	comp=N,428nm,1.3s				pmax	pmax		
KUR	comp=E,336nm,1.0s				pmax	pmax		
KUR	comp=Z,14µm,7.0s				pmax	pmax		
TEY	Ternei	49.48	354f	eP	P	21 35 15.3	-1.0	
TEY	comp=Z,120nm,1.1s				pmax	pmax		
TEY	comp=N,60nm,1.1s				pmax	pmax		
TEY	comp=E,30nm,1.1s				pmax	pmax		
TEY	comp=E,100nm,9.4s				pmax	pmax		
TEY	comp=N,300nm,8.3s				pmax	pmax		
CHTO	Chiang Mai	49.54	299	P	P	21 35 19.2	+2.0	
CHTO	Chiang Mai	49.54	299	P	P	21 35 18.2	+1.0	
CHTO	Chiang Mai	49.54	299	iP	P	21 35 18.2	+1.0	
CHTO	Chiang Mai	49.54	299	P	P	21 35 18.3	+1.0	
CHTO				pP	pP	21 35 45.8	+1.6	
MIDW	Midway	49.59	47	P	P	21 35 17.5	+0.1	
MIDW	Midway	49.59	47	P	P	21 35 18.5	+1.1	
MIDW	Midway	49.59	47	iP	P	21 35 17.8	+0.4	
MIDW	Midway	49.59	47	P	P	21 35 17.9	+0.4	
XAN	Xi'an	50.19	322f	iP	P	21 35 22.6	+0.7	
XAN				pP	pP	21 35 48.5	-0.5	
XAN				sP	sP	21 36 02.9	+1.1	
XAN				PP	PP	21 37 18.6	+0.2	
XAN				S	S	21 42 26.4	+1.0	
XAN				sS	sS	21 43 13.6	+1.7	
XAN				SS	SS	21 45 55.7	-4.8	
XAN	comp=Z,2µm,1.1s				pmax	pmax		
XAN	comp=Z,17µm,6.3s				LR	LR		
XAN	comp=Z,8µm,19.6s				LR	LR		

XAN	comp=Z,7µm,18.6s				LR	LR		
XAN	comp=Z,10µm,18.0s				LR	LR		
XAN	Xi'an	50.19	322	P	P	21 35 22.2	+0.3	
XAN				pP	pP	21 35 50.4	+1.5	
XAN				sP	sP	21 36 02.4	+0.6	
XAN				P	P	21 35 22.7	+0.5	
MDJ	Mudanjiang	50.26	347	P	P	21 35 47.9	-1.4	
MDJ				pP	pP	21 35 59.8	-2.4	
MDJ				sP	sP	21 37 16.8	-1.9	
MDJ				ScP	ScP	21 40 23.9	-1.1	
MDJ				PcS	PcS	21 40 35.0	-1.6	
MDJ				S	S	21 42 31.7	+5.9	
MDJ				sS	sS	21 43 17.6	+5.3	
MDJ				ScS	ScS	21 44 58.7	-3.1	
MDJ	comp=Z,540nm,1.0s				pmax	pmax		
MDJ	comp=Z,8µm,10.4s				LR	LR		
MDJ	comp=Z,11µm,21.7s				LR	LR		
MDJ	comp=Z,9µm,20.7s				LR	LR		
MDJ	comp=Z,25µm,22.3s				LR	LR		
MDJ	Mudanjiang	50.26	347	P	P	21 35 22.3	+0.1	
MDJ				IAMB	IAMB	21 35 25.1		
MDJ	comp=Z,756nm,1.2s				P	P	21 35 22.9	+0.7
MDJ	Mudanjiang	50.26	347	P	P	21 35 22.5	+0.3	
MDJ	Mudanjiang	50.26	347	P	P	21 35 24.3	-0.2	
CN2	Changchun	50.56	343	eP	P	21 35 53.5	+2.0	
CN2				eP	P	21 37 23.5	+2.0	
CN2				eS	S	21 42 32.6	+2.5	
CN2	comp=Z,100nm,1.6s				pmax	pmax		
CN2	comp=Z,11µm,6.0s				LR	LR		
CN2	comp=Z,7µm,20.0s				LR	LR		
CN2	comp=Z,7µm,20.0s				LR	LR		
CN2	comp=Z,10µm,22.0s				LR	LR		
PZH	PanZhihua	50.70	309	P	P	21 35 27.0	+1.0	
PZH				sP	sP	21 36 06.8	+0.9	
PZH				PP	PP	21 37 25.1	+1.8	
PZH				S	S	21 42 33.9	+1.0	
PZH				sS	sS	21 43 18.0	-1.5	
PZH				ScS	ScS	21 45 04.1	-1.9	
PZH	comp=Z,520nm,1.1s				pmax	pmax		
PZH	comp=Z,9µm,6.8s				LR	LR		
PZH	comp=Z,7µm,20.1s				LR	LR		
PZH	comp=Z,5µm,18.6s				LR	LR		
PZH	comp=Z,12µm,25.5s				LR	LR		
BJT	Baijiatao	50.75	333	P	P	21 35 26.7	+0.7	
BJT	Baijiatao	50.75	333	P	P	21 35 26.6	+0.7	
BJT	Baijiatao	50.75	333	P	P	21 35 26.7	+0.7	
BJT	comp=Z,2µm,1.1s				pmax	pmax		
BJT	Baijiatao	50.75	333	P	P	21 35 26.6	+0.5	
BJT	Baijiatao	50.75	333	sP	sP	21 36 02.6	-3.4	
BJT	Baijiatao	50.75	333	S	S	21 42 35.2	+2.2	
BJT	Baijiatao	50.75	333	sS	sS	21 43 18.9	-0.7	
BJT	comp=Z,960nm,1.2s				pmax	pmax		
BJT	comp=Z,6µm,4.1s				LR	LR		
BJT	comp=Z,5µm,19.5s				LR	LR		
BJT	comp=Z,3µm,19.3s				LR	LR		
BJT	comp=Z,8µm,19.5s				LR	LR		
TIY	Taiyuan	50.80	328	eP	P	21 35 27.1	+0.6	
TIY				S	S	21 42 28.0	-5.8	
TIY	comp=Z,280nm,1.3s				pmax	pmax		
TIY	comp=Z,9µm,4.9s				pmax	pmax		
TIY	comp=Z,10µm,19.2s				LR	LR		
TIY	comp=Z,6µm,20.6s				LR	LR		
TIY	comp=Z,10µm,19.4s				LR	LR		
JOHN	Johnston Islan	50.85	65	P	P	21 35 28.0	+0.9	
JOHN	Johnston Islan	50.85	65	P	P	21 35 31.1	+4.0	
YSS	Yuzh-Sakhalins	51.02	359	P	P	21 35 27.4	-0.4	
YSS				IAMB	IAMB	21 35 30.4		
YSS	comp=Z,620nm,1.1s				P	P	21 35 29.4	+1.6
YSS	Yuzh-Sakhalins	51.02	359	iP	P	21 35 27.7	-0.1	
YSS	Yuzh-Sakhalins	51.02	359	eP	P	21 35 27.7	-0.1	
YSS				ePPP	PPP	21 35 54.7	-0.2	
YSS				eSP	sP	21 36 06.1	-1.6	
YSS				ePPP	PPP	21 37 22.9		
YSS				eS	S	21 42 34.0	-2.2	
YSS				e ^{SS}	sS	21 43 21.8	-1.0	
YSS				eS	S	21 45 05.3		
YSS				eSS	SS	21 46 11.4	-1.5	
YSS				eSSS	SSS	21 47 51.3		
YSS	comp=Z,480nm,1.1s				pmax	pmax		
YSS	comp=Z,6µm,10.2s				pmax	pmax		
YSS	comp=N,3µm,15.0s				smax	smax		
YSS	comp=N,3µm,14.3s				smax			

KSH		PP	PP	21 41 05.2	+3.2
KSH		S	S	21 47 41.5	-1.7
KSH		sS	sS	21 48 35.1	+1.9
KSH	comp=Z,440nm,1.0s		pmax		
KSH	comp=Z,9um,4.9s		pmax		
KSH	comp=Z,3um,16.8s	LR	LR		
KSH	comp=Z,4um,18.5s	LR	LR		
KSH	comp=Z,6um,20.6s	LR	LR		
ZAA0	Zalesovo Array	75.74	329 P	P	21 38 10.1 -0.5
ZALV	Zalesovo Beam	75.74	329 P	P	21 38 09.9 -0.7
ZALV	Zalesovo Beam	75.74	329 P	P	21 38 10.0 -0.7
ZALV	comp=Z,238nm,0.8s,baz=112,slow=5.3,SNR=162		PKKpbc		21 57 28.9 -1.8
ZALV	comp=Z,4.3nm,0.8s,baz=298,slow=3.2,SNR=7.7		PKPPK P	P'df	22 05 21.6 -8.0
ZALV	comp=Z,8.1nm,1.1s,baz=298,slow=3.2,SNR=6.2		LR	LR	22 10 37.4
ZALV	comp=Z,8um,21.9s,baz=119,slow=3.5		LR	LR	
ZALV	comp=Z,238nm,0.8s		LR	LR	
TDK	Taldyqorghan	75.80	318 I/P	P	21 38 11.8 +0.6
TDK	baz=318		eS	S	21 47 45.1 +1.0
TDK	Taldyqorghan	75.80	318c I/P	P	21 38 11.8 +0.6
TDK	baz=318		eS	S	21 47 45.1 +1.0
TDK	comp=Z,599nm,1.0s		pmax	pmax	
TAOE	Nuku Hiva Isla	75.85	98 eP	P	21 38 13.2 +1.0
TAOE	comp=Z,915nm,1.2s		eS	S	21 47 35.4 -1.0
TAOE	comp=Z,2um,29.5s		eS	S	21 47 35.4 -1.0
TAOE	comp=Z,1um,24.6s		eSS	SS	21 52 44.9 +4.3
TAOE	comp=Z,6um,23.4s		eLR	LR	
TAOE	Nuku Hiva Isla	75.85	98 P	P	21 38 12.2 +0.1
TAOE	Nuku Hiva Isla	75.85	98 P	P	21 38 13.0 +1.8
TAOE	Port-aux-Franc	75.93	220 I/Amb	I/Amb	21 38 13.4 +1.7
PAF	comp=Z,1um,1.3s		pmax	pmax	21 38 13.5 +1.7
PAF	Port-aux-Franc	75.93	220 P	P	21 38 13.5 +1.7
PAF	comp=Z,1um,1.3s		pmax	pmax	
S14K	Fog Glacier	75.99	29 P	P	21 38 12.4 +0.3
MDOK	Medeo	76.08	316 I/P	P	21 38 13.7 +0.6
MDOK	baz=316		eS	S	21 47 48.3 +0.7
MDOK	Medeo	76.08	316 I/P	P	21 38 13.6 +0.6
MDOK	Alma-Ata	76.19	316 I/P	P	21 47 48.2 +0.7
AAA	Alma-Ata	76.19	316 I/P	P	21 38 14.5 +1.0
AAA	comp=Z,512nm,1.0s,baz=316		pmax	pmax	
NRN	Naryn	76.25	314 P	P	21 38 14.5 +0.3
NRN	Naryn	76.25	314 P	P	21 38 14.5 +0.3
NRN	comp=Z,244nm,1.0s		pmax	pmax	
ULHL	Ulaloh	76.34	315 P	P	21 38 15.4 +0.8
CHKK	Chushkaly	76.35	317 I/P	P	21 38 14.3 -0.1
CHKK	Chushkaly	76.35	317 I/P	P	21 38 14.3 -0.1
TIXI	Tiksi	76.39	355 P	P	21 38 12.4 -1.6
TIXI	Tiksi	76.39	355 P	P	21 38 12.4 -1.6
M13K	Dall Lake	76.54	24 P	P	21 38 16.2 +1.2
CHGN	Chignik	76.55	29 P	P	21 38 15.1 0.0
O14K	Tigykauivert M	76.77	26 P	P	21 38 16.8 +0.6
KUU	Kurty	76.81	317 I/P	P	21 38 17.3 +0.3
KUU	comp=Z,595nm,1.0s,baz=317		eS	S	21 47 55.9 +0.6
KUU	Kurty	76.81	317c I/P	P	21 38 17.2 +0.3
KUU	baz=317		eS	S	21 47 55.9 +0.6
KUU	comp=Z,595nm,1.0s		pmax	pmax	
K13K	Kusilyak Mount	76.92	22 P	P	21 38 18.0 +1.0
N14K	Kuskokwak Cree	76.95	25 P	P	21 38 17.5 +0.2
BHUJ	Bhuj	76.97	295 I/P	I/Amb	21 38 19.0 +0.8
BHUJ	comp=Z,407nm,1.1s		IAMS_20	IAMS_20	21 55 02.7
BHUJ	comp=Z,3um,12.2s		IAMS_20	IAMS_20	21 55 02.7
TKM2	Tokmak 2	77.01	316 P	P	21 38 18.9 +0.6
TKM2	SNR=190		pmax	pmax	
TKM2	Tokmak 2	77.01	316 I/P	P	21 38 18.6 +0.3
TKM2	comp=Z,312nm,0.8s		pmax	pmax	
M14K	Bethel	77.30	24 P	P	21 38 20.2 +0.9
L14K	Kuka Creek	77.34	23 P	P	21 38 20.2 +0.7
O15K	Ungalikthiuk R	77.36	26 P	P	21 38 20.1 +0.5
KBK	Karagaybulak	77.38	315 P	P	21 38 21.0 +0.7
R16K	Pilot Point	77.57	28 P	P	21 38 20.7 -0.1
CHMS	Chumysh	77.62	316 P	P	21 38 21.9 +0.4
FRU1	Bishkek	77.65	315 P	P	21 38 22.0 +0.3
FRU1	comp=Z,354nm,1.0s		I/Amb	I/Amb	21 38 25.8
FRU1	Bishkek	77.65	315 P	P	21 38 22.0 +0.3
FRU1	comp=Z,354nm,1.0s		pmax	pmax	
AAK	Ala-Archa	77.69	315 P	P	21 38 22.8 +0.8
AAK	SNR=171		I/Amb	I/Amb	21 38 26.3
AAK	Ala-Archa	77.69	315 P	P	21 38 22.6 +0.5
AAK	comp=Z,329nm,1.1s		I/Amb	I/Amb	21 38 22.9 +0.8
AAK	Ala-Archa	77.69	315 P	P	21 38 23.0 +0.9
AAK	Ala-Archa	77.69	315c I/P	P	21 38 22.9 +0.8
CHIR	Chirikof Islan	77.70	30 P	P	21 38 21.8 +0.3
N15K	Kwethluk River	77.76	25 P	P	21 38 22.8 +1.0
KURK	Kurchatov	77.79	324 P	P	21 38 21.9 -0.3
KURK	comp=Z,417nm,1.1s		I/Amb	I/Amb	21 38 25.8
KURK	Kurchatov	77.79	324 P	P	21 38 22.4 +0.2
KURK	Kurchatov	77.79	324 I/P	P	21 38 21.7 -0.5
KURK	comp=Z,445nm,1.1s		pmax	pmax	
M15K	Kasigluk River	77.79	25 P	P	21 38 22.6 +0.7
KURBB	Kurchatov Arra	77.80	324 P	P	21 38 22.3 0.0
KURBB	comp=Z,283nm,1.2s,baz=115,slow=4.8,SNR=140		PKKpbc		21 57 24.3 -1.6
KURBB	comp=Z,4.9nm,0.8s,baz=292,slow=2.8,SNR=8.8		PKPPK P	P'df	22 05 20.2 -6.1
KURBB	comp=Z,11nm,1.2s,baz=289,slow=2.9,SNR=8.8		LR	LR	22 12 03.6
J14K	Nanvaranak Lak	77.81	22 P	P	21 38 23.0 +1.0
SGDS	Sogindy	77.84	316 I/P	P	21 38 22.9 0.0
SGDS	baz=316		eS	S	21 48 07.7 +1.2
SGDS	Sogindy	77.84	316c I/P	P	21 38 22.8 0.0
SGDS	SNR=104		eS	S	21 48 07.7 +1.2
L15K	Ungalak Mounta	78.00	24 P	P	21 38 23.6 +0.4
TNA	Tin City	78.03	19 P	P	21 38 23.7 +0.5
P16K	Nushagak River	78.10	27 P	P	21 38 23.8 +0.1
AML	Almayashu	78.11	314 P	P	21 38 25.6 +0.9

AML	Almayashu	78.11	314 I/P	P	21 38 25.1 +0.4
AML	comp=Z,110nm,0.9s		pmax	pmax	
R17K	Ugashik Creek	78.16	28 I/Amb	I/Amb	21 38 25.6
R17K	Ugashik Creek	78.16	28 P	P	21 38 24.1 0.0
EKS2	Erkin-Say	78.20	315 P	P	21 38 25.6 +0.7
ANM	Nome	78.25	20 I/Amb	I/Amb	21 38 28.0
ANM	comp=Z,425nm,1.4s		I/Amb	I/Amb	21 38 25.5 +1.0
K15K	Wolf Creek Mou	78.33	23 I/Amb	I/Amb	21 38 29.3
K15K	Wolf Creek Mou	78.33	23 P	P	21 38 29.5 +1.0
O16K	Kokwok River B	78.33	26 I/Amb	I/Amb	21 38 27.4
O16K	Kokwok River B	78.33	26 P	P	21 38 25.4 +0.4
ARSB	Arslanbob	78.39	314 P	P	21 38 26.0 +0.1
ARSB	Arslanbob	78.39	314 P	P	21 38 26.0 +0.1
ARSB	comp=Z,76nm,0.8s		pmax	pmax	
N16K	Nishlik Lake	78.48	25 P	P	21 38 27.1 +1.3
F14K	Arco Creek	78.49	19 P	P	21 38 26.6 +0.8
Q16K	King Salmon	78.53	27 P	P	21 38 25.3 -0.8
M16K	Timber Creek	78.69	25 I/Amb	I/Amb	21 38 30.4
M16K	Timber Creek	78.69	25 P	P	21 38 27.9 +0.9
Q17K	Contact Creek	78.69	28 P	P	21 38 26.6 -0.5
BTSL	Baital	78.73	317 I/P	P	21 38 27.9 +0.4
BTSL	baz=317		eS	S	21 48 16.1 +0.3
BTSL	Baital	78.73	317c I/P	P	21 38 27.8 +0.3
BTSL	SNR=107		eS	S	21 48 16.1 +0.3
SII	Sitkinak Islan	78.75	30 I/Amb	I/Amb	21 38 30.4
SII	comp=Z,921nm,1.3s		pmax	pmax	
SII	Sitkinak Islan	78.75	30 P	P	21 38 28.6 +1.2
SII	Sitkinak Islan	78.75	30 P	P	21 38 27.7 +0.3
L16K	Owhat River	78.83	24 I/Amb	I/Amb	21 38 30.9
L16K	comp=Z,554nm,1.6s		I/Amb	I/Amb	21 38 28.2 +0.5
O17K	Koliganek Bris	78.86	26 P	P	21 38 28.6 +0.7
P17K	Kivchak River	78.88	27 P	P	21 38 27.4 -0.6
G15K	Niukuk	78.96	20 P	P	21 38 28.6 +0.2
R18K	Karluk	79.06	29 P	P	21 38 29.1 +0.1
F15K	North Star Dit	79.19	19 P	P	21 38 30.1 +0.6
N17K	Nushagak Hills	79.19	26 P	P	21 38 30.6 +0.9
J16K	Anvik River	79.23	22 P	P	21 38 30.9 +1.1
Q18K	Katmai Hardscr	79.28	28 P	P	21 38 29.8 -0.6
ROCAM	Rodriguez Isla	79.32	251 P	P	21 38 32.4 +1.1
H16K	Elim	79.38	21 P	P	21 38 31.1 +0.5
M17K	Holtna River	79.51	25 P	P	21 38 32.5 +1.1
P18K	Big Mountain	79.52	27 P	P	21 38 30.8 -0.7
I17K	Unalakleet	79.52	22 P	P	21 38 32.7 +1.3
L17K	Donlin	79.53	24 P	P	21 38 32.4 +0.9
BTk	Batken	79.64	312 P	P	21 38 32.3 -0.4
BTk	Batken	79.64	312 P	P	21 38 32.3 -0.4
BTk	comp=Z,220nm,1.2s		pmax	pmax	
KBL	Kabul	79.73	306 P	P	21 38 32.5 -1.0
KBL	Kabul	79.73	306 P	P	21 38 33.0 -0.5
KBL	SNR=69		pmax	pmax	
KBL	Kabul	79.73	306 P	P	21 38 32.5 -1.0
O18K	Koktuh Hills	79.74	27 P	P	21 38 32.6 -0.1
G16K	Koyuk River	79.77	20 P	P	21 38 33.5 +0.8
K17K	Iditarod	79.82	23 P	P	21 38 34.1 +1.1
N18K	Kilae Creek	79.82	26 P	P	21 38 34.0 +0.8
DZA	Taraz	80.00	315 I/P	P	21 38 34.9 +0.4
DZA	comp=Z,290nm,1.1s,baz=315		pmax	pmax	
DZA	Taraz	80.00	315c I/P	P	21 38 34.9 +0.4
DZA	comp=Z,290nm,1.1s		pmax	pmax	
Q19K	Cape Douglas	80.04	28 I/Amb	I/Amb	21 38 38.1
Q19K	Cape Douglas	80.04	28 P	P	21 38 33.9 -0.5
KDAK	Kodiak Island	80.06	29 P	P	21 38 34.6 +0.1
KDAK	SNR=23		I/Amb	I/Amb	21 38 37.4
KDAK	Kodiak Island	80.06	29c I/P	P	21 38 34.8 +0.4
KDAK	comp=Z,769nm,1.4s		pmax	pmax	
KDAK	Kodiak Island	80.06	29 P	P	21 38 34.9 +0.4
KDAK	SNR=245		pmax	pmax	
KDAK	Kodiak Island	80.06	29c I/P	P	21 38 34.8 +0.4
KDAK	comp=Z,918nm,1.4s		pmax	pmax	
KDAK	Kodiak Island	80.06	29 P	P	21 38 34.5 +0.1
KDAK	comp=Z,593nm,1.2s,baz=267,slow=5.6,SNR=36		LR	LR	22 11 41.4
SVW2	Sparrevohn	80.15	26 I/Amb	I/Amb	21 38 38.5
SVW2	comp=Z,593nm,1.2s		I/Amb	I/Amb	21 38 38.5
L18K	Grenville Mounta	80.15	26 P	P	21 38 36.2 +0.9
M18K	Stony River	80.23	25 P	P	21 38 36.3 +1.0
O19K	Port Alsworth	80.29	27 P	P	21 38 35.4 -0.2
H17K	Granite Mounta	80.38	21 P	P	21 38 36.9 +0.8
G17K	Kiwaliw Mounta	80.42	20 P	P	21 38 37.1 +0.9
Q20K	Shuyak Island	80.49	29 P	P	21 38 36.7 0.0
N19K	Bonanza Creek	80.50	26 P	P	21 38 37.4 +0.5
C16K	Lisburne Hills	80.54	17 P	P	21 38 37.0 +0.2
P19K	Oli Pt	80.55	27 P	P	21 38 36.8 -0.3
KK31	Karatay Array	80.63	315 P	P	21 38 37.7 -0.2
KK31	Karatay Array	80.63	315 P	P	21 38 37.7 -0.2
KK31	comp=Z,219nm,1.0s		pmax	pmax	
KKAR	Karatay Array	80.63	315 P	P	21 38 38.0 +0.1
KKAR	Karatay Array	80.63	315 P	P	21 38 38.0 +0.1
IUG	Iuzhny	80.73	314 I/P	P	21 38 38.9 +0.3
F17K	Baldwin Pennin	80.74	20 P	P	21 38 38.3 +0.4
OTUK	Ortayu	80.81	320 I/P	P	21 38 38.8 +0.1
OTUK	comp=Z,273nm,0.9s		pmax	pmax	
J18K	Innoko River	80.82	23 P	P	21 38 38.8 +0.3
TTA	Tatalina	80.84	24 I/Amb	I/Amb	21 38 41.7
TTA	comp=Z,57nm,1.6s		I/Amb	I/Amb	21 38 39.1 +0.5
TTA	Tatalina	80.84	24 P	P	21 38 38.9 +0.3
E17K	Hotnam Inlet	80.92	19 P	P	21 38 39.7 +0.9
L19K	White Mountain	80.97	25 P	P	21 38 39.8 +0.5

7d 21h

MLY	Manley	83.86	23	I	Amb	I	Amb	21	38	58.6
MLY	Manley	83.86	23	P	P	P	P	21	38	54.2 -0.1
M23K	Glacier View	83.86	26	P	P	P	P	21	38	54.0 -0.4
WAT1	Susitna Watana	83.89	25	P	P	P	P	21	38	53.8 -0.7
B20K	Meade River	83.94	17	P	P	P	P	21	38	54.8 +0.4
HIN	Hinchinbrook I	83.95	28	I	Amb	I	Amb	21	38	57.2
H22K	Ishitalta Cree	83.97	22	P	P	P	P	21	38	55.0 +0.2
SCM	Sheep Creek Mo	84.07	26	P	P	P	P	21	38	55.3 -0.1
SCM	Sheep Creek Mo	84.07	26	P	P	P	P	21	38	55.5 +0.1
SCM	Sheep Creek Mo	84.07	26	P	P	P	P	21	38	55.3 -0.1
MCK	McKinley	84.07	24	P	P	P	P	21	38	54.4 -0.9
WAT6	Susitna Watana	84.15	26	P	P	P	P	21	38	55.4 -0.5
E21K	Kiilik River	84.18	19	P	P	P	P	21	38	56.0 +0.2
C21K	Knifeflake Rid	84.25	18	P	P	P	P	21	38	56.7 +0.6
NEA2	Nenana	84.34	24	P	P	P	P	21	38	55.6 -1.1
EYAK	Cordova Ski Ar	84.35	28	P	P	P	P	21	38	57.4 +0.7
EYAK	Cordova Ski Ar	84.35	28	P	P	P	P	21	38	57.0 +0.2
G22K	Bettles	84.36	21	P	P	P	P	21	38	56.7 0.0
I23K	Minto, Yukon-K	84.44	23	P	P	P	P	21	38	56.7 -0.4
DHY	Denali Highway	84.48	25	I	Amb	I	Amb	21	39	51.4
DHY	Denali Highway	84.48	25	P	P	P	P	21	38	57.4 -0.2
B21K	Ikpikpuq River	84.52	18	P	P	P	P	21	38	57.9 +0.4
KLU	Klutina	84.58	27	I	Amb	I	Amb	21	39	00.6
KLU	Klutina	84.58	27	P	P	P	P	21	38	58.1 +0.1
H23K	Yukon River	84.64	22	P	P	P	P	21	38	58.2 +0.1
M24K	Tolsona, Glenn	84.67	26	P	P	P	P	21	38	58.9 +0.4
A21K	Barrow	84.76	16	P	P	P	P	21	38	59.4 +0.8
E22K	Anaktuvuk Pass	84.76	20	P	P	P	P	21	38	59.1 +0.4
KAIM	Kayak Island	84.79	29	I	Amb	I	Amb	21	39	01.9
KAIM	Kayak Island	84.79	29	P	P	P	P	21	38	59.5 +0.5
D22K	Aiyikav River	84.80	19	P	P	P	P	21	38	59.8 +0.9
G23K	Bananza Creek	84.81	21	P	P	P	P	21	38	59.5 +0.4
PTCN	Pitcairn Islan	84.92	115	P	P	P	P	21	39	02.0 +1.6
COLA	College	84.93	24	P	P	P	P	21	38	58.7 -0.9
COLA	College	84.93	24	P	P	P	P	21	38	58.2 -1.4
COLD	Coldfoot	84.95	21	P	P	P	P	21	39	00.5 +0.8
NGCH	Negor - Chabab	84.97	296	P	P	P	P	21	39	01.4 +0.7
HMT	Hamilton	84.99	28	I	Amb	I	Amb	21	39	02.1
BMRM	Bremner River	85.02	28	P	P	P	P	21	38	60.0 -0.3
A22K	Sinclair Lake	85.07	17	P	P	P	P	21	39	00.0 -0.1
HDA	Harding Lake	85.13	24	P	P	P	P	21	38	59.3 -1.3
POKR	Poker Plat Res	85.19	23	P	P	P	P	21	38	59.3 -1.6
HARP	HAARP	85.22	26	P	P	P	P	21	39	01.1 -0.1
N25K	Chitina, Valde	85.22	27	P	P	P	P	21	39	01.4 +0.1
B22K	Teshchuk Lake	85.22	18	P	P	P	P	21	39	00.6 -0.3
HRA	Herat	85.23	305	P	P	P	P	21	39	01.4 -0.6
PAX	Paxson	85.27	26	P	P	P	P	21	39	01.1 -0.3
BERG	Berg Lake	85.27	28	I	Amb	I	Amb	21	39	03.6
H24K	Noodin Dome	85.28	23	P	P	P	P	21	39	01.1 -0.3
ILAR	Eielson Array	85.28	24	P	P	P	P	21	38	59.9 -1.5
ILAR	comp-Z, 1.44nm, 0.9s, baz=261, slow=4.0, SNR=325							21	44	10.4 -1.2
ILAR	comp-Z, 1.2nm, 0.5s, baz=266, slow=2.8, SNR=4.9							21	49	22.6 +0.4
ILAR	comp-Z, 3.1nm, 1.1s, baz=232, slow=6.0, SNR=4.6							21	57	07.2 -2.1
ILAR	comp-Z, 4.0nm, 0.9s, baz=352, slow=1.0, SNR=12							22	05	05.8 -6.2
ILAR	comp-Z, 3.4nm, 1.0s, baz=105, slow=0.8, SNR=8.4							22	15	58.2
BGLC	Bering Glacier	85.39	29	P	P	P	P	21	39	02.8 +0.9
K24K	Donnelly Dome	85.41	25	P	P	P	P	21	39	01.6 -0.5
E23K	Chandler	85.48	20	P	P	P	P	21	39	03.0 +0.6
D23K	Nanushuk River	85.49	19	P	P	P	P	21	39	03.4 +1.1
GLB	Gilghina Butte	85.53	27	I	Amb	I	Amb	21	39	04.6
SNH	Sunshine Point	85.62	29	I	Amb	I	Amb	21	39	06.2
CRQM	Cirque	85.64	28	I	Amb	I	Amb	21	39	06.0
CRQE	Cirque	85.66	28	P	P	P	P	21	39	03.6 +0.1
QSPA	South Pole Qui	85.68	180	P	P	P	P	21	39	04.0 +0.5
QSPA	South Pole Qui	85.68	180	P	P	P	P	21	39	03.9 +0.4
QSPA	comp-Z, 6.01nm, 0.9s, baz=332, slow=1.4, SNR=444							21	57	04.8 -4.1
QSPA	comp-Z, 5.1nm, 0.8s, baz=205, slow=6.7, SNR=9.0							22	19	08.5
WAX	Waxell Ridge	85.69	28	I	Amb	I	Amb	21	39	05.8
TOLK	Took Lake Re	85.73	20	I	Amb	I	Amb	21	39	07.0
TOLK	Took Lake Re	85.73	20	P	P	P	P	21	39	04.0 +0.5
G24K	Hadweezic Riv	85.74	22	P	P	P	P	21	39	04.1 +0.5
TGL	Tana Glacier	85.79	28	I	Amb	I	Amb	21	39	06.2
J25K	Salcha River	85.84	24	P	P	P	P	21	39	03.4 -0.8
C23K	Itkillik River	85.87	18	P	P	P	P	21	39	05.0 +0.8
MCARA	McCarthy VSAT	85.88	28	P	P	P	P	21	39	04.5 +0.1
E24K	Your Creek	85.88	20	P	P	P	P	21	39	04.7 +0.4
F24K	Squaw Lake	85.89	21	P	P	P	P	21	39	05.1 +0.8
ISLE	Juniper Island	85.98	28	I	Amb	I	Amb	21	39	07.0
MENT	Mentasta	86.02	26	P	P	P	P	21	39	05.4 +0.3
MESA	MESA	86.05	29	I	Amb	I	Amb	21	39	07.7
MESA	MESA	86.05	29	P	P	P	P	21	39	05.8 +0.3
PRP	Porcupine Dome	86.08	23	P	P	P	P	21	39	03.8 -1.7
JLN	Jalan Bani Buh	86.17	292	P	P	P	P	21	39	05.9 -0.7
D24K	Happy Valley	86.18	19	P	P	P	P	21	39	06.5 +0.8
M26K	Nabesna, AK	86.18	27	P	P	P	P	21	39	05.8 -0.2

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L26K	Log Cabin Wild	86.21	26	P	P	P	P	21	39	06.1 +0.1
H25L	Birch Creek	86.21	23	P	P	P	P	21	39	06.1 +0.2
SCRK	Sand Creek	86.22	25	P	P	P	P	21	39	05.8 -0.4
G25K	Bearman Lake	86.27	22	P	P	P	P	21	39	06.7 +0.5
GRNC	Granite Creek	86.29	28	I	Amb	I	Amb	21	39	11.1
BARN	Barnard Glacier	86.42	28	I	Amb	I	Amb	21	39	09.7
RER	Riviere de l'E	86.42	249	P	I	Amb	I	21	39	08.2 +0.1
RER	Riviere de l'E	86.42	249	P	I	Amb	I	21	39	41.7
CRK	Riviere de l'E	86.42	249	P	P	P	P	21	39	08.6 +0.5
REAR	Franklin Bluff	86.44	19	P	P	P	P	21	39	07.6 +0.7
FYU	Fort Yukon	86.53	22	I	Amb	I	Amb	21	39	11.6
CTG	China Glacier	86.55	28	P	P	P	P	21	39	08.2 +0.3
CTGM	China Glacier	86.55	28	I	Amb	I	Amb	21	39	10.7
J26L	Joseph Creek	86.55	24	P	P	P	P	21	39	07.6 -0.1
WBK	Wadi Bani Khal	86.62	293	P	P	P	P	21	39	08.8 -0.2
LOGN	Logan Glacier	86.67	28	I	Amb	I	Amb	21	39	11.1
M27K	Edge Creek, AK	86.67	27	P	P	P	P	21	39	08.8 +0.4
F25K	Christian Rive	86.72	21	P	P	P	P	21	39	09.2 +0.8
PINM	Pinnacle	86.85	29	P	P	P	P	21	39	09.6 +0.3
L27K	Beaver Creek,	86.88	26	P	P	P	P	21	39	09.4 +0.1
BCAR	Beaver Creek A	86.90	26	P	P	P	P	21	39	09.6 +0.2
E25K	Arctic Village	86.92	21	P	P	P	P	21	39	10.1 +0.7
I26K	Coal Creek Min	86.96	24	P	P	P	P	21	39	09.2 -0.3
WSAR	Wadi Sarin	87.00	293	LR				22	21	26.0
K27K	Chicken	87.04	25	P	P	P	P	21	39	10.7 +0.7
O28M	Mount Upton	87.04	29	P	P	P	P	21	39	10.4 -0.1
BMAR	Burnt Mountain	87.05	22	P	P	P	P	21	39	10.7 +0.6
D25K	Kavik River	87.05	20	P	P	P	P	21	39	10.3 +0.2
BCPM	Barrow Point	87.11	29	I	Amb	I	Amb	21	39	12.8
BVCY	Beaver Creek	87.14	27	P	P	P	P	21	39	11.1 +0.6
YUK3	Moose Creek	87.16	28	P	P	P	P	21	39	11.2 +0.3
PNL	Peninsula	87.16	30	P	P	P	P	21	39	11.8 +1.1
PNL	Peninsula	87.16	30	P	P	P	P	21	39	10.7 0.0
G26K	Porcupine Rive	87.20	22	P	P	P	P	21	39	12.0 +1.3
F26K	Sheenjek River	87.30	21	P	P	P	P	21	39	12.2 +0.9
YUK6	Steele Glacier	87.37	28	P	P	P	P	21	39	12.5 +0.5
MHTO	MHTO	87.39	291	P	P	P	P	21	39	11.5 -1.1
JMDO	Jabal Madar	87.40	293	P	P	P	P	21	39	12.0 -0.7
BIDO	Bidbid	87.49	294	P	P	P	P	21	39	12.3 -0.8
SMDO	Samad	87.51	293	P	P	P	P	21	39	1

7d 21h

PDAR	comp=Z,3.8nm,0.8s,baz=178,slow=0.2,SNR=12	PKK	PKKbpc	21 56 13.1	-1.8
FURI	comp=Z,2.2nm,0.5s,baz=111,slow=5.5,SNR=13	PKK	PKKbpc	22 04 34.8	-1.2
FURI	comp=Z,1.5nm,1.0s,baz=103,slow=3.3,SNR=6.0	PKK	PKKbpc	21 40 35.1	+0.4
FURI	105.31 278 eP	Pdf		21 40 35.1	+0.4
FURI	105.31 278 eP	Pdf		21 40 35.1	+0.4
TUC	105.52 58	Pdf		21 40 35.2	+0.2
TRO	105.53 343	ePdf		21 40 33.2	-0.7
TRO	105.57 7.7	ePP		21 41 57.7	+0.7
TRO	105.57 7.7	ePP		21 41 57.7	+0.7
W18A	106.12 55	eSKS	Sac	21 40 37.5	-0.2
KMBO	106.15 268f	eP		21 40 38.2	-0.1
KMBO	106.15 268	Pdf		21 40 38.6	+0.3
KMBO	106.15 268f	eP		21 44 50.7	+0.8
KMBO	106.15 268f	eP		21 44 38.2	-0.1
DIKM	106.47 312	IP		21 56 10.6	-0.3
FINES	106.62 334	Pdf		21 40 37.9	-1.1
FINES	106.62 334	Pdf		21 44 48.4	-0.6
FINES	106.62 334	Pdf		21 56 08.9	-2.2
FINES	106.62 334	Pdf		21 40 39.8	-0.2
O20A	106.66 49	Pdf		21 40 39.8	-0.2
SIM	106.72 316	eP		21 40 36.6	-3.3
SIM	106.72 316	eP		21 45 06.0	-0.6
MVCO	106.87 53	Pdf		21 40 40.7	-0.3
DAG	106.90 356	iP		21 40 38.0	-2.0
DAG	106.90 356	iP		21 44 49.5	+0.3
DAG	106.90 356	iP		21 44 51.5	
LAO	106.93 42	Pdf		21 40 42.5	+1.6
LAO	106.93 42	Pdf		21 44 51.4	+2.2
VSU	107.42 331	eP		21 44 58.6	+8.0
K22A	107.51 47	Pdf		21 40 44.2	+0.5
MMAI	107.52 303	Pdf		21 40 40.7	-3.1
MMAI	107.52 303	Pdf		21 44 52.6	+1.0
MMAI	107.52 303	Pdf		21 56 22.2	+0.8
STEI	107.59 342	ePP		21 45 10.5	-1.5
MEF	107.88 333	eP		21 45 10.2	-4.1
DGMT	107.86 40	Pdf		21 40 45.4	+0.5
FAUS	107.89 341	ePdf		21 40 42.8	-1.7
FAUS	107.89 341	ePdf		21 45 13.0	-1.3
FAUS	107.89 341	ePdf		21 44 26.1	+1.5
FAUS	107.89 341	ePdf		22 00 25.9	+3.8
FAUS	107.89 341	ePdf		22 21 39.0	
LOF	107.99 342	ePP		21 45 13.9	-1.1
LOF	107.99 342	ePP		21 54 26.0	+0.3
BRTR	108.00 310	Pdf		21 40 44.2	-1.6
BRTR	108.00 310	Pdf		21 45 05.3	-1.1
BRTR	108.00 310	Pdf		21 56 05.0	-1.4
121A	108.02 57	Pdf		21 40 46.6	+0.4
S22A	108.11 52	Pdf		21 40 46.4	-0.2
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 41 11.5	-4.6
MNK	108.18 326	iP		21 41 10.0	-6.8
MNK	108.18 326	iP		21 41 30.8	+1.3
MNK	108.18 326	iP		21 52 34.6	+2.5
MNK	108.18 326	iP		22 00 21.4	-0.4
MNK	108.18 326	iP		22 04 27.0	
MNK	108.18 326	iP		22 14 27.1	+1.5
MNK	108.18 326	iP		22 21 48.8	
MNK	108.18 326	iP		22 33 20.8	
MNK	108.18 326	iP		22 33 22.1	
MNK	108.18 326	iP		22 33 25.9	
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 41 11.5	-4.6
MNK	108.18 326	iP		21 41 10.0	-6.8
MNK	108.18 326	iP		21 41 30.8	+1.3
MNK	108.18 326	iP		21 52 34.6	+2.5
MNK	108.18 326	iP		22 00 21.4	-0.4
MNK	108.18 326	iP		22 04 27.0	
MNK	108.18 326	iP		22 14 27.1	+1.5
MNK	108.18 326	iP		22 21 48.8	
MNK	108.18 326	iP		22 33 20.8	
MNK	108.18 326	iP		22 33 22.1	
MNK	108.18 326	iP		22 33 25.9	
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 41 11.5	-4.6
MNK	108.18 326	iP		21 41 10.0	-6.8
MNK	108.18 326	iP		21 41 30.8	+1.3
MNK	108.18 326	iP		21 52 34.6	+2.5
MNK	108.18 326	iP		22 00 21.4	-0.4
MNK	108.18 326	iP		22 04 27.0	
MNK	108.18 326	iP		22 14 27.1	+1.5
MNK	108.18 326	iP		22 21 48.8	
MNK	108.18 326	iP		22 33 20.8	
MNK	108.18 326	iP		22 33 22.1	
MNK	108.18 326	iP		22 33 25.9	
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 41 11.5	-4.6
MNK	108.18 326	iP		21 41 10.0	-6.8
MNK	108.18 326	iP		21 41 30.8	+1.3
MNK	108.18 326	iP		21 52 34.6	+2.5
MNK	108.18 326	iP		22 00 21.4	-0.4
MNK	108.18 326	iP		22 04 27.0	
MNK	108.18 326	iP		22 14 27.1	+1.5
MNK	108.18 326	iP		22 21 48.8	
MNK	108.18 326	iP		22 33 20.8	
MNK	108.18 326	iP		22 33 22.1	
MNK	108.18 326	iP		22 33 25.9	
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 41 11.5	-4.6
MNK	108.18 326	iP		21 41 10.0	-6.8
MNK	108.18 326	iP		21 41 30.8	+1.3
MNK	108.18 326	iP		21 52 34.6	+2.5
MNK	108.18 326	iP		22 00 21.4	-0.4
MNK	108.18 326	iP		22 04 27.0	
MNK	108.18 326	iP		22 14 27.1	+1.5
MNK	108.18 326	iP		22 21 48.8	
MNK	108.18 326	iP		22 33 20.8	
MNK	108.18 326	iP		22 33 22.1	
MNK	108.18 326	iP		22 33 25.9	
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 41 11.5	-4.6
MNK	108.18 326	iP		21 41 10.0	-6.8
MNK	108.18 326	iP		21 41 30.8	+1.3
MNK	108.18 326	iP		21 52 34.6	+2.5
MNK	108.18 326	iP		22 00 21.4	-0.4
MNK	108.18 326	iP		22 04 27.0	
MNK	108.18 326	iP		22 14 27.1	+1.5
MNK	108.18 326	iP		22 21 48.8	
MNK	108.18 326	iP		22 33 20.8	
MNK	108.18 326	iP		22 33 22.1	
MNK	108.18 326	iP		22 33 25.9	
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 41 11.5	-4.6
MNK	108.18 326	iP		21 41 10.0	-6.8
MNK	108.18 326	iP		21 41 30.8	+1.3
MNK	108.18 326	iP		21 52 34.6	+2.5
MNK	108.18 326	iP		22 00 21.4	-0.4
MNK	108.18 326	iP		22 04 27.0	
MNK	108.18 326	iP		22 14 27.1	+1.5
MNK	108.18 326	iP		22 21 48.8	
MNK	108.18 326	iP		22 33 20.8	
MNK	108.18 326	iP		22 33 22.1	
MNK	108.18 326	iP		22 33 25.9	
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 41 11.5	-4.6
MNK	108.18 326	iP		21 41 10.0	-6.8
MNK	108.18 326	iP		21 41 30.8	+1.3
MNK	108.18 326	iP		21 52 34.6	+2.5
MNK	108.18 326	iP		22 00 21.4	-0.4
MNK	108.18 326	iP		22 04 27.0	
MNK	108.18 326	iP		22 14 27.1	+1.5
MNK	108.18 326	iP		22 21 48.8	
MNK	108.18 326	iP		22 33 20.8	
MNK	108.18 326	iP		22 33 22.1	
MNK	108.18 326	iP		22 33 25.9	
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 41 11.5	-4.6
MNK	108.18 326	iP		21 41 10.0	-6.8
MNK	108.18 326	iP		21 41 30.8	+1.3
MNK	108.18 326	iP		21 52 34.6	+2.5
MNK	108.18 326	iP		22 00 21.4	-0.4
MNK	108.18 326	iP		22 04 27.0	
MNK	108.18 326	iP		22 14 27.1	+1.5
MNK	108.18 326	iP		22 21 48.8	
MNK	108.18 326	iP		22 33 20.8	
MNK	108.18 326	iP		22 33 22.1	
MNK	108.18 326	iP		22 33 25.9	
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 41 11.5	-4.6
MNK	108.18 326	iP		21 41 10.0	-6.8
MNK	108.18 326	iP		21 41 30.8	+1.3
MNK	108.18 326	iP		21 52 34.6	+2.5
MNK	108.18 326	iP		22 00 21.4	-0.4
MNK	108.18 326	iP		22 04 27.0	
MNK	108.18 326	iP		22 14 27.1	+1.5
MNK	108.18 326	iP		22 21 48.8	
MNK	108.18 326	iP		22 33 20.8	
MNK	108.18 326	iP		22 33 22.1	
MNK	108.18 326	iP		22 33 25.9	
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 40 40.3	-5.8
MNK	108.18 326	iP		21 41 11.5	-4.6
MNK	108.18 326	iP		21 41 10.0	-6.8
MNK	108.18 326	iP		21 41 30.8	+1.3
MNK	108.18 326	iP		21 52 34.6	+2.5

L61B	baz=310	130.19	35	P	PKPdf	21 45 34.2 -0.4	GAG	Mont Gurugu	136.36	319	P	PKIKP	21 45 49.1 +0.8	SPBC	San Pablo de B	142.51	86	eP	PKPdf	21 45 52.1 -6.1
PANJ	baz=310,SNR=14	130.25	38	P	PKPdf	21 45 34.1 -0.6	GOB	Mina Guanaco	136.51	334	eP	PKPdf	21 45 47.9 +0.5	LPAZ	La Paz	142.60	124	eP	PKPdf	21 45 53.0 -6.1
T59A	baz=301,SNR=20	130.26	44	P	PKPdf	21 45 34.5 -0.4	JBK	JBK	136.60	318	P	PKIKP	21 45 50.0 +1.0	LPAZ	La Paz	142.60	124	eP	PKPdf	21 45 55.6 -3.5
163A	baz=313,SNR=6.1	130.29	32	P	PKPdf	21 45 34.5 -0.4	BCIP	Isa Barro Col	136.67	81	eP	PKPdf	21 45 46.7 -1.5	LPAZ	La Paz	142.60	124	eP	PKPrpe	21 45 55.6
663A	baz=313,SNR=14	130.30	34	P	PKPdf	21 45 34.9 +0.1	BCIP	Isa Barro Col	136.67	81	eP	PKPdf	21 45 46.7 -1.5	MACC	Macarana, Meta	142.62	92	eP	PKPdf	21 45 53.5 -4.9
MT02	baz=313,SNR=6.1	130.29	141	P	PKPdf	21 45 35.4 +0.0	COHC	Cochancay	136.72	98	eP	PKPdf	21 45 46.6 -1.0	BRRC	Barranca, Sant	142.83	84	eP	PKPdf	21 45 54.1 -4.6
K62A	baz=310,SNR=14	130.36	37	P	PKIKP	21 45 34.4 -0.5	COHC	Cochancay	136.72	98	eP	PKPdf	21 45 47.0 -0.6	CHIC	Chingaza	142.84	88	eP	PKPdf	21 45 54.4 -4.6
PAL	baz=308	130.32	37	P	PKPdf	21 45 34.4 -0.5	NNA	Nana	136.72	112	eP	PKPdf	21 45 46.1 -1.6	VILDC	Villavicencio,	142.87	89	eP	PKPdf	21 45 55.6 -3.6
PAL	baz=308	130.32	37	P	PKPdf	21 45 34.4 -0.5	NNA	Nana	136.72	112	eP	PKPdf	21 45 47.0 -0.6	SDDR	Presidencia de Sabán	143.00	84	eP	PKPdf	21 45 53.6 -3.3
U59A	baz=300	130.41	44	P	PKPdf	21 45 34.7 -0.5	NNA	Nana	136.72	112	eP	PKPdf	21 45 46.1 -1.6	CRUC	Carrejon, Guaj	143.31	77	eP	PKPdf	21 45 54.7 -0.7
U59A	baz=300	130.41	44	P	PKPdf	21 45 34.7 -0.5	PESTR	Estremoz	136.72	327	ePKP	PP	21 48 33.5 +3.7	BARC	Barichara	143.38	85	eP	PKPab	21 45 56.5 +0.2
WVL	baz=314,SNR=9.7	130.42	31	P	PKPdf	21 45 35.1 +0.2	PESTR	Estremoz	136.72	327	ePKP	PP	21 49 13.7	ALGR	Alto Alegre (B)	143.46	155	eP	PKPbc	21 45 58.2 +0.1
MATN	Matagalpa	130.40	77	P	PKPdf	21 45 34.6 -1.3	PBAR	Barrancos	136.90	325	ePKP	PKPdf	21 45 47.7 +0.4	CPUP	Villa Florida	143.47	148	eP	PKPbc	21 45 55.9 -0.1
MT05	Renca	130.45	142	P	PKPdf	21 45 35.7 +0.2	PBAR	Barrancos	136.90	325	ePKP	PP	21 48 31.8 +0.8	CPUP	Villa Florida	143.47	148	eP	PKPrpe	21 45 56.1
FOR	Fordham	130.46	37	P	PKIKP	21 45 35.7 -0.3	PACT	Montargil	136.92	327	ePKP	PKPdf	21 48 37.8 +0.5	RUSC	La Rusia	143.49	86	eP	PKPab	21 45 56.6 -0.6
LMEI	Las Melosas	130.47	143	P	PKPdf	21 45 35.5 -0.1	PACT	Montargil	136.92	327	ePKP	PP	21 48 30.3 +2.0	SHEL	Horse Pasture	143.56	236	eP	PKPdf	21 45 59.0 -1.0
QUAZ	Belchertown	130.48	35	P	PKIKP	21 45 35.7 -0.3	PACT	Montargil	136.92	327	ePKP	PP	21 49 13.3	SHEL	Horse Pasture	143.56	236	eP	PKIKP	21 45 59.0 -1.0
MT03	Universidad Ad	130.53	142	eP	PKPdf	21 45 35.6 -0.1	FIGM	Figuigu	136.94	314	P	PKIKP	21 45 51.0 +1.4	PAMC	Pampolona, Colo	143.83	83	eP	PKPab	21 45 58.5 +0.2
PEL1	El Pelehué	130.55	141	eP	PKPdf	21 45 35.5 -0.4	PALE	Palemas	136.97	320	P	PKIKP	21 45 50.0 +0.5	CNLB	Canela	143.85	158	eP	PKPbc	21 45 58.2 +0.1
PEL2	El Pelehué	130.55	142	eP	PKPdf	21 45 35.5 -0.4	PACT	Univ. de Panam	137.24	327	ePKP	PKIKP	21 45 47.0 -1.1	URIB	Uribe, Colomb	144.08	76	eP	PKPbc	21 45 58.9 +0.2
PEL	El Pelehué	130.65	142	eP	PKIKP	21 45 35.5 -0.4	EVO	Evora	137.19	327	ePKP	PKIKP	21 45 49.6 -0.1	CRSM	Crissiumal (Br	144.14	153	eP	PKPab	21 45 58.5 0.0
UNH	Universidad de	130.78	33	P	PKPdf	21 45 35.9 +0.3	EVO	Evora	137.19	327	ePKP	PKIKP	21 48 35.5 +2.8	PTGC	Puerto Gaitan,	144.39	89	eP	PKPab	21 45 58.6 -1.4
HRV	Adam Dzewiowski	130.78	34	P	PKIKP	21 45 35.2 -0.5	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 10.0	IGRS	IGR OROS T-PHASB	144.74	353	eP	PKPdf	21 46 02.9 +1.2
HRV	Adam Dzewiowski	130.78	34	P	PKIKP	21 45 35.9 +0.1	EVO	Evora	137.19	327	ePKP	PKIKP	21 45 47.9 0.0	TAMT	Tambo, Taucas	144.76	353	eP	PKPdf	21 46 02.9 +1.2
HRV	Adam Dzewiowski	130.78	34	P	PKIKP	21 45 35.2 -0.5	EVO	Evora	137.19	327	ePKP	PKIKP	21 45 47.9 0.0	ADHA	Angra Heroismo	144.76	347	eP	PKPbc	21 46 01.0 +0.4
MT08	Bocatoema Ro	130.86	142	eP	PKIKP	21 45 35.8 -0.7	EVO	Evora	137.19	327	ePKP	PKIKP	21 45 47.9 0.0	ROSA	Roisais	144.91	349	eP	PKPbc	21 46 02.9 +1.2
CNCC	Cliffs of the	130.89	46	eP	PKIKP	21 45 35.6 -0.5	EVO	Evora	137.19	327	ePKP	PKIKP	21 45 47.9 0.0	BART	Pico Bartolomeo	145.09	344	eP	PKPbc	21 46 01.6 -0.2
CNCC	Cliffs of the	130.89	46	eP	PKIKP	21 45 35.6 -0.5	EVO	Evora	137.19	327	ePKP	PKIKP	21 45 47.9 0.0	PIRD	Pibeirinha	145.15	348	eP	PKPbc	21 46 01.6 -0.3
HZTE	Hozfuentes, Gu	130.91	80	eP	PKIKP	21 45 36.1 -0.7	EVO	Evora	137.19	327	ePKP	PKIKP	21 48 37.9 +3.5	PIRD	Pibeirinha	145.15	348	eP	PKPbc	21 46 02.5 +0.5
VA03	San Esteban	130.99	141	eP	PKIKP	21 45 36.6 0.0	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 12.0 0.6	PICAL	Pico das Cont	145.16	349	eP	PKPdf	21 46 04.1 +1.9
G65A	Princeton	131.00	29	P	PKIKP	21 45 36.2 +0.2	EVO	Evora	137.19	327	ePKP	PKIKP	21 45 49.4 -0.9	PICAL	Caldeiras da R	145.16	345	eP	PKPdf	21 46 02.3 +0.1
G65A	Princeton	131.00	29	P	PKIKP	21 45 36.2 +0.2	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 10.0	PSET	Sete Cidades	145.20	345	eP	PKPdf	21 46 03.2 -0.9
ORTG	Ortega, Santa	131.07	80	eP	PKIKP	21 45 37.6 +0.4	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 16.6	CMLA	Cha da Macela	145.20	345	eP	PKPbc	21 46 01.6 -0.5
DWPF	Disney Wildern	131.14	56	eP	PKIKP	21 45 36.4 -0.4	EVO	Evora	137.19	327	ePKP	PKIKP	21 45 47.4 -1.7	ITAB	Concordia	145.21	155	eP	PKPbc	21 46 02.2 -0.2
ACON	Acopyana	131.24	78	eP	PKIKP	21 45 36.3 -1.0	EVO	Evora	137.19	327	ePKP	PKIKP	21 45 48.3 -0.8	ITAB	Concordia	145.21	155	eP	PKPbc	21 46 02.2 -0.2
ROCN	Acopyana	131.27	80	eP	PKIKP	21 45 37.9 +0.2	EVO	Evora	137.19	327	ePKP	PKIKP	21 45 47.0 -1.1	PDA	Ponta Delgada	145.25	345	eP	PKPab	21 46 02.5 +0.5
EIBI	Ibiza	131.31	321	PP	PKIKP	21 45 37.7 -0.1	EVO	Evora	137.19	327	ePKP	PKIKP	21 45 47.1 -1.5	TBTG	Tabatinga, AM	145.54	104	eP	PKPdf	21 46 03.2 -0.3
GGN	Saint George	131.41	29	eP	PKIKP	21 45 36.0 -0.7	EVO	Evora	137.19	327	ePKP	PKIKP	21 48 37.2 +2.2	TBTG	Tabatinga, AM	145.54	104	eP	PKPdf	21 46 03.4 -0.1
SOR	Soroa	131.41	63	eP	PKIKP	21 45 37.1 -0.4	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
SOR	Soroa	131.41	63	eP	PKIKP	21 45 37.1 -0.4	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
V61A	Roper	131.54	44	P	PKIKP	21 45 38.4 +0.1	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
V61A	Roper	131.54	44	P	PKIKP	21 45 38.4 +0.1	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
JTS	Las Juntas de	131.57	80	eP	PKIKP	21 45 36.6 -1.4	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
JTS	Las Juntas de	131.57	80	eP	PKIKP	21 45 37.9 +0.5	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
C06	Fray Jorge	131.66	138	eP	PKIKP	21 45 37.7 -0.1	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
TRQA	Tornquist	131.68	153	eP	PKIKP	21 45 37.3 -0.3	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
TRQA	Tornquist	131.68	153	eP	PKIKP	21 45 37.3 -0.3	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
ARE1	Arenal 1	131.79	80	eP	PKIKP	21 45 39.9 +1.3	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
M65A	Busby, Falmout	131.92	35	eP	PKIKP	21 45 37.1 -0.8	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
M65A	Busby, Falmout	131.92	35	eP	PKIKP	21 45 37.1 -0.8	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
CO03	El Pedregal	132.18	139	eP	PKIKP	21 45 38.6 -0.3	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
CO06	La Serena	132.41	138	eP	PKIKP	21 45 39.2 0.0	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
CO06	La Serena	132.41	138	eP	PKIKP	21 45 39.2 0.0	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.6 +0.1
CO06	La Serena	132.41	138	eP	PKIKP	21 45 39.2 0.0	EVO	Evora	137.19	327	ePKP	PKIKP	21 49 14.1	TBTG	Tabatinga, AM	145.54	104	eP	PKPbc	21 46 03.

7d 21h

Table with columns: TMAB, ROBR, RCBS, RCBA, RCBR, Code, Station Name, Az, Phase ID, Time, Res. Includes data for Tom-Au,PA,Br, Rosrio, Riachuelo, etc.

JMA 07:21:32:27.3:0.1, 36.1N:04:4:137.6E:0.3, h8km, 1km, MV0.1/1.1, WESTERN NAGANO PREF, Eastern Honshu

NEIC 07:21:47:26.3:1.4, 0.01S:0:07:123.38E:0.07, h142km, 6km, mb4.9/48, Error ellipse: s-maj=9.9km s-min=9.7km az=85.0

DJA 07:21:47:27.4:0.2, 0.2S:2:12:3E:1, h143km, 3km, M4.8/27, mb5.5/2, mb4.7/27, MLV4.9/22, MW(mb)5.0/2

IDC 07:21:47:27.9:1.5, 0.01N:123.25E, h163km, 13km, mb4.1/21, mbmp4.6/25, Error ellipse: s-maj=15.7km s-min=8.7km az=83.0

ISC 07:21:47:26.7:0.4, 0.06S:0:04:123.36E:0.05, h15hkm, 3km, h151km, pP, n198, e194:220, mb4.7/59, 5D, Minihassa

Peninsula, Sulawesi

Main table listing seismic stations across various regions including Cibinong, Luwuk, Marisa, Tolitoli, Sanana, etc.

2017 NOV

Main table listing seismic events with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes events like CM31, CMAR, CMAR, CHTO, etc.

520

Main table listing seismic events with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes events like NIL, KSH, MK31, etc.

KNET 07:21:50:58.6:0.4, 42.610N:75.15E, h17km, 2km, ml2.9, Error ellipse: s-maj=3.3km s-min=2.2km az=166.0

KNET 07:21:50:59.0:0.2, 42.611N:75.16E, h21km, mb3.4, NNC 07:21:50:59.0:0.2, 42.611N:75.15E, h0km, mb4.2, mpv4.0, Error ellipse: s-maj=1.9km s-min=0.9km az=170.0

SOME 07:21:50:59.8, 42.631N:75.12E, h15km, ISC 07:21:50:59.7:1.0, 42.621N:0:02:75.16E:0.01, h6km, 6km, n86, e0:59:139, 47C-25D, Lake Issyk-Kul region

Table listing seismic stations for the KNET and SOME events, including Karagaybulak, Bishkek, etc.

KST	baz=1.0 Kastek 76nm,0.1s	0.74 53 P	S	Pg	21 51 13.5 -0.5
KST	458nm,0.3s Kastek 76nm,0.1s	0.74 53 eP	eS	Sg	21 51 23.6 +0.1
KST	458nm,0.3s Degeres 42nm,0.1s	0.78 35 P	S	Sg	21 51 23.6 +0.1
DGS	454nm,0.2s Degeres 42nm,0.1s	0.78 35 eP	eS	Sg	21 51 24.8 -0.1
DGS	454nm,0.2s Degeres 42nm,0.1s	0.78 35 eP	eS	Sg	21 51 24.8 -0.1
USP	454nm,0.2s Ospenovka 147nm,0.2s,SNR=256	0.82 324 ↑P	↑S	Pg	21 51 14.8 -0.7
USP	316nm,0.1s Ospenovka baz=24	0.82 324↑ eP	↑eS	Pg	21 51 25.8 -0.4
ULHL	Ulahol 34nm,0.2s,SNR=110	0.88 114 ↑P	↑S	Pg	21 51 15.9 -0.7
ULHL	93nm,0.1s Ulahol baz=14	0.88 114↑ eP	↑eS	Pg	21 51 27.7 -0.3
ULHL	93nm,0.1s Ulahol baz=14	0.88 114↑ eP	↑eS	Pg	21 51 15.8 -0.8
ULHL	93nm,0.1s Ulahol baz=14	0.88 114↑ eP	↑eS	Pg	21 51 27.7 -0.3
SGDS	Sogindy 24nm,0.1s	0.93 336 P	S	Pg	21 51 16.9 -0.8
SGDS	229nm,0.1s Aral baz=20	0.97 220↑ eP	↑eS	Pg	21 51 29.0 -0.7
ARLS	20nm,0.2s Aral baz=20	0.97 220↑ eP	↑eS	Pg	21 51 17.3 -1.0
ARLS	20nm,0.2s Erkin-Say 19nm,0.1s,SNR=23	1.02 274 ↑P	↑S	Pg	21 51 30.4 -0.5
EKS2	63nm,0.2s Erkin-Say baz=73	1.02 274↑ eP	↑eS	Pg	21 51 18.9 -0.4
EKS2	63nm,0.2s Erkin-Say baz=73	1.02 274↑ eP	↑eS	Pg	21 51 33.2 -0.3
EKS2	63nm,0.2s Erkin-Say baz=73	1.02 274↑ eP	↑eS	Pg	21 51 18.2 -1.1
EKS2	63nm,0.2s Erkin-Say baz=73	1.02 274↑ eP	↑eS	Pg	21 51 31.9 -0.7
MTBS	Matube 92nm,0.1s	1.07 60 P	S	Pg	21 51 19.6 -0.7
MTBS	92nm,0.1s Matube baz=73	1.07 60 eP	eS	Pg	21 51 34.0 -0.3
MTBS	92nm,0.1s Matube baz=73	1.07 60 eP	eS	Pg	21 51 19.6 -0.7
MTBS	92nm,0.1s Matube baz=73	1.07 60 eP	eS	Pg	21 51 34.0 -0.3
KRB5	496nm,0.3s Karabastau 24nm,0.1s	1.15 19 P	S	Pg	21 51 21.1 -0.8
KRB5	496nm,0.3s Karabastau 24nm,0.1s	1.15 19 eP	eS	Pg	21 51 36.2 -0.7
KRB5	496nm,0.3s Karabastau 24nm,0.1s	1.15 19 eP	eS	Pg	21 51 21.1 -0.8
KRB5	496nm,0.3s Karabastau 24nm,0.1s	1.15 19 eP	eS	Pg	21 51 36.1 -0.7
AML	129nm,0.2s Almayashu 19nm,0.2s,SNR=12	1.18 247 ↑P	↑S	Pg	21 51 21.6 -0.8
AML	129nm,0.2s Almayashu 19nm,0.2s,SNR=12	1.18 247 ↑P	↑S	Pg	21 51 37.4 -0.4
AML	129nm,0.2s Almayashu 19nm,0.2s,SNR=12	1.18 247 ↑P	↑S	Pg	21 51 21.7 -0.8
AML	129nm,0.2s Almayashu 19nm,0.2s,SNR=12	1.18 247 ↑P	↑S	Pg	21 51 37.4 -0.4
AML	129nm,0.2s Almayashu 19nm,0.2s,SNR=12	1.18 247↑ eP	↑eS	Pg	21 51 21.3 -1.2
AML	129nm,0.2s Almayashu 19nm,0.2s,SNR=12	1.18 247↑ eP	↑eS	Pg	21 51 37.3 -0.5
KASK	Kaskelen 47nm,0.2s	1.25 60 ↑P	↑S	Pg	21 51 23.0 -0.7
KASK	47nm,0.2s Kaskelen baz=47	1.25 60 ↑P	↑S	Pg	21 51 40.3 +0.2
TNSS	Tian-Shan 45nm,0.2s	1.39 71 P	S	Pg	21 51 25.2 -0.8
TNSS	45nm,0.2s Tian-Shan baz=73	1.39 71 eP	eS	Pg	21 51 43.4 -0.9
TNSS	45nm,0.2s Tian-Shan baz=73	1.39 71 eP	eS	Pg	21 51 25.2 -0.8
TNSS	45nm,0.2s Tian-Shan baz=73	1.39 71 eP	eS	Pg	21 51 43.4 -0.9
AAA	88nm,0.2s Alma-Ata 118nm,0.2s	1.43 64 P	S	Pn	21 51 26.4 +0.0
AAA	88nm,0.2s Alma-Ata 118nm,0.2s	1.43 64 eP	eS	Pn	21 51 45.2 0.0
AAA	88nm,0.2s Alma-Ata 118nm,0.2s	1.43 64 eP	eS	Pn	21 51 26.1 -0.1
AAA	88nm,0.2s Alma-Ata 118nm,0.2s	1.43 64 eP	eS	Pn	21 51 44.7 -0.5
AAA	88nm,0.2s Alma-Ata 118nm,0.2s	1.43 64 eP	eS	Pn	21 51 25.8 -0.5
MRKS	110nm,0.2s Merke 18nm,0.1s	1.43 276 P	S	Pb	21 51 44.7 -0.7
MRKS	110nm,0.2s Merke 18nm,0.1s	1.43 276 eP	eS	Pb	21 51 26.7 -0.2
MRKS	110nm,0.2s Merke 18nm,0.1s	1.43 276 eP	eS	Pb	21 51 45.7 -0.1
MRKS	110nm,0.2s Merke 18nm,0.1s	1.43 276 eP	eS	Pb	21 51 27.0 -0.3
MRKS	110nm,0.2s Merke 18nm,0.1s	1.43 276 eP	eS	Pb	21 51 46.9 +0.2
MDOK	236nm,0.6s Medeo 54nm,0.4s	1.50 67 P	Lg	Pn	21 51 27.2 -0.1
MDOK	236nm,0.6s Medeo 54nm,0.4s	1.50 67 P	Lg	Pn	21 51 46.7
MDOK	236nm,0.6s Medeo 54nm,0.4s	1.50 67 eP	eS	Pn	21 51 27.2 -0.1
MDOK	236nm,0.6s Medeo 54nm,0.4s	1.50 67 eP	eS	Pn	21 51 46.7 -0.5
KUU	90nm,0.4s Kurty 465nm,0.3s	1.55 33 P	S	Pn	21 51 28.1 +0.2
KUU	90nm,0.4s Kurty 465nm,0.3s	1.55 33 eP	eS	Pn	21 51 48.5 +0.2
KUU	90nm,0.4s Kurty 465nm,0.3s	1.55 33 eP	eS	Pn	21 51 28.1 +0.2
KUU	90nm,0.4s Kurty 465nm,0.3s	1.55 33 eP	eS	Pn	21 51 48.5 +0.2
KOTS	73nm,0.1s Kotrybulak 73nm,0.1s	1.57 66 P	S	Pb	21 51 28.9 -0.4
KOTS	73nm,0.1s Kotrybulak 73nm,0.1s	1.57 66 eP	eS	Pb	21 51 49.4 +0.1
KOTS	73nm,0.1s Kotrybulak 73nm,0.1s	1.57 66 eP	eS	Pb	21 51 28.6 +0.3
KOTS	73nm,0.1s Kotrybulak 73nm,0.1s	1.57 66 eP	eS	Pb	21 51 48.9 0.0
CHKK	114nm,0.2s Chushkaly 114nm,0.2s	1.83 46 P	S	Pb	21 51 32.9 -0.7
CHKK	114nm,0.2s Chushkaly 114nm,0.2s	1.83 46 eP	eS	Pb	21 51 56.5 -0.2
CHKK	114nm,0.2s Chushkaly 114nm,0.2s	1.83 46 eP	eS	Pb	21 51 32.9 -0.7
CHKK	114nm,0.2s Chushkaly 114nm,0.2s	1.83 46 eP	eS	Pb	21 51 56.5 -0.2
ANVS	605nm,0.2s Anan'yevu baz=84	1.86 84↑ iP	↑iS	Pb	21 51 33.3 -0.9
ANVS	605nm,0.2s Anan'yevu baz=84	1.86 84↑ iP	↑iS	Pb	21 51 56.4 +0.2
MNAS	605nm,0.2s Manas baz=67	1.96 267↑ eP	↑eS	Pn	21 51 34.2 +0.5
MNAS	605nm,0.2s Manas baz=67	1.96 267↑ eP	↑eS	Pn	21 51 59.8 -1.0
ARSB	Arslanbob baz=32	2.07 232↑ eP	↑eS	Pn	21 51 35.6 +0.5
ARSB	Arslanbob baz=32	2.07 232↑ eP	↑eS	Pn	21 52 02.1 +0.9
KURS	44nm,0.4s Kuram 88nm,0.3s	2.38 67 P	Lg	Pb	21 51 42.6 -0.4
KURS	44nm,0.4s Kuram 88nm,0.3s	2.38 67 eP	eLg	Lg	21 52 13.3
KURS	44nm,0.4s Kuram 88nm,0.3s	2.38 67 eP	eLg	Pb	21 51 42.6 -0.4
KURS	44nm,0.4s Kuram 88nm,0.3s	2.38 67 eP	eLg	Lg	21 52 13.3
SATY	162nm,0.3s Saty 266nm,0.1s	2.43 78 P	Lg	Pg	21 51 44.0 0.0
SATY	162nm,0.3s Saty 266nm,0.1s	2.43 78 eP	eLg	Pg	21 52 16.0
SATY	162nm,0.3s Saty 266nm,0.1s	2.43 78 eP	eLg	Pb	21 51 44.0 0.0
SATY	162nm,0.3s Saty 266nm,0.1s	2.43 78 eP	eLg	Lg	21 52 16.0
ZHN	Zhinshke 132nm,0.4s	2.47 76 P	Lg	Pg	21 51 44.8 +0.2

ZHN	132nm,0.4s		Lg	Lg	21 52 17.2
ZHN	166nm,0.2s Zhinshke 132nm,0.4s	2.47 76 eP	eLg	Pb	21 51 44.8 +0.2
ZHN	166nm,0.2s Arhary 44nm,0.3s	2.52 50 P	Pg	Pb	21 51 17.2 -0.5
ARXS	257nm,0.4s Arhary 44nm,0.3s	2.52 50 P	Lg	Pb	21 51 44.6 -0.9
ARXS	257nm,0.4s Arhary 44nm,0.3s	2.52 50 eP	eLg	Pb	21 52 16.7
ARXS	257nm,0.4s Arhary 44nm,0.3s	2.52 50 eP	eLg	Pb	21 51 44.6 -0.9
ARXS	257nm,0.4s Arhary 44nm,0.3s	2.52 50 eP	eLg	Pb	21 52 16.7
BTLA	156nm,0.2s Baital 23nm,0.3s	2.56 342 P	Lg	Pb	21 51 46.1 0.0
BTLA	156nm,0.2s Baital 23nm,0.3s	2.56 342 eP	eLg	Lg	21 52 18.4
BTLA	156nm,0.2s Baital 23nm,0.3s	2.56 342 eP	eLg	Pb	21 51 46.7 +0.5
BTLA	156nm,0.2s Baital 23nm,0.3s	2.56 342 eP	eLg	Lg	21 52 19.9
BPKS	196nm,0.5s Kokpek 62nm,0.2s	2.73 70 P	Lg	Pb	21 51 48.2 -0.7
BPKS	196nm,0.5s Kokpek 62nm,0.2s	2.73 70 eP	eLg	Lg	21 52 22.1
BPKS	196nm,0.5s Kokpek 62nm,0.2s	2.73 70 eP	eLg	Pb	21 51 48.2 -0.7
BPKS	196nm,0.5s Kokpek 62nm,0.2s	2.73 70 eP	eLg	Lg	21 52 22.1
OHH	Osh baz=21	2.74 221↑ eP	↑eS	Pn	21 51 44.8 +0.5
OHH	Osh baz=21	2.74 221↑ eP	↑eS	Sn	21 52 18.1 +0.4
BLB	Baldybastay 49nm,0.3s	2.84 57 P	Lg	Pb	21 51 50.5 -0.4
BLB	166nm,0.3s Sufi-Kurgan baz=6.0	2.87 206↑ eP	Lg	Lg	21 52 26.7
BLB	166nm,0.3s Sufi-Kurgan baz=6.0	2.87 206↑ eP	Lg	Pn	21 51 46.9 +0.6
BLB	166nm,0.3s Sufi-Kurgan baz=6.0	2.87 206↑ eP	Lg	Sn	21 52 21.6 +0.3
UZB	55nm,0.4s Uzymbulak 55nm,0.4s	2.89 78 P	Lg	Pb	21 51 51.9 +0.1
UZB	55nm,0.4s Uzymbulak 55nm,0.4s	2.89 78 eP	Lg	Lg	21 52 29.6
UZB	55nm,0.4s Uzymbulak 55nm,0.4s	2.89 78 eP	Lg	Pb	21 51 51.9 +0.1
UZB	55nm,0.4s Uzymbulak 55nm,0.4s	2.89 78 eP	Lg	Lg	21 52 29.6
TRKS	126nm,0.3s Terek-Say baz=50	3.18 252↑ eP	↑eS	Pn	21 51 51.1 +0.7
TRKS	126nm,0.3s Terek-Say baz=50	3.18 252↑ eP	↑eS	Sn	21 52 29.0 +0.3
SHLS	15nm,0.3s Shalkode 15nm,0.3s	3.21 79 P	Lg	Pg	21 52 02.2 +0.9
SHLS	15nm,0.3s Shalkode 15nm,0.3s	3.21 79 eP	Lg	Pg	21 52 47.0
SHLS	15nm,0.3s Shalkode 15nm,0.3s	3.21 79 eP	Lg	Pg	21 52 02.2 +0.9
SHLS	15nm,0.3s Shalkode 15nm,0.3s	3.21 79 eP	Lg	Lg	21 52 47.0
PDGK	18nm,0.3s Podgormoye 18nm,0.3s	3.26 76 P	Lg	Pb	21 51 58.1 0.0
PDGK	18nm,0.3s Podgormoye 18nm,0.3s	3.26 76 eP	Lg	Lg	21 52 39.7
PDGK	18nm,0.3s Podgormoye 18nm,0.3s	3.26 76 eP	Lg	Pn	21 51 53.8 +2.3
PDGK	18nm,0.3s Podgormoye 18nm,0.3s	3.26 76 eP	Lg	Lg	21 52 42.3
TDK	38nm,0.7s Taldyqorghan 28nm,0.2s	3.36 43 P	Lg	Pb	21 51 59.5 -0.1
TDK	38nm,0.7s Taldyqorghan 28nm,0.2s	3.36 43 eP	Lg	Lg	21 52 42.3
TDK	38nm,0.7s Taldyqorghan 28nm,0.2s	3.36 43 eP	Lg	Pb	21 51 59.5 -0.1
TDK	38nm,0.7s Taldyqorghan 28nm,0.2s	3.36 43 eP	Lg	Lg	21 52 42.3
TDK	38nm,0.7s Taldyqorghan 28nm,0.2s	3.36 43 eP	Lg	Pb	21 51 59.5 -0.1
KNOS	Konyrien 185nm,0.3s	3.41 58 P	Lg	Pb	21 52 00.9 +0.3
KNOS	Konyrien 185nm,0.3s	3.41 58 eP	Lg	Lg	21 52 44.1
KNOS	Konyrien 185nm,0.3s	3.41 58 eP	Lg	Pb	21 52 02.0 +0.7
KNOS	Konyrien 185nm,0.3s	3.41 58 eP	Lg	Lg	21 52 47.6
KK31	3.45 280↑ eP	3.45 280↑ eP	Lg	Lg	21 51 54.7 +0.7
KKAR	Karatay Array baz=80	3.45 280↑ eP	↑eS	Pn	21 52 35.3 +0.1
DJR	Jarkent 8.2nm,0.4s	3.79 61 P	Lg	Pb	21 52 07.4 +0.4
DJR	Jarkent 8.2nm,0.4s	3.79 61 eP	Lg	Lg	21 52 55.6
DJR	Jarkent 8.2nm,0.4s	3.79 61 eP	Lg	Pb	21 52 07.4 +0.4
DJR	Jarkent 8.2nm,0.4s	3.79 61 eP	Lg	Lg	21 52 55.6
KTMS	27nm,0.4s Ketmen 4.2nm,0.3s	3.90 76 P	Lg	Pb	21 52 08.4 -0.6
KTMS	27nm,0.4s Ketmen 4.2nm,0.3s	3.90 76 eP	Lg	Lg	21 52 57.4
KTMS	27nm,0.4s Ketmen 4.2nm,0.3s	3.90 76 eP	Lg	Pb	21 52 09.8 +0.8
KTMS	27nm,0.4s Ketmen 4.2nm,0				

7d 23h

Table of seismic stations and events for the 7-day period. Columns include station name, coordinates, time, magnitude, and other parameters.

2017 NOV

Table of seismic stations and events for November 2017. Columns include station name, coordinates, time, magnitude, and other parameters.

522

Table of seismic stations and events for the 522-day period. Columns include station name, coordinates, time, magnitude, and other parameters.

NEIC 0723:01:27.9:0.9, 18.71N:0.04:66.94W:0.03, h32km, 5.6km, M3.3, 2.10, Md2.5/7(RSPF), Error ellipse: s-maj=5.6km s-min=4.3km az=174.0

RSRPR 07 23:01:30.6, 18.64N, 66.96W, h33km, 1km, MD2.5/7
ISC 07 21:01:28.0, 1.5, 18.69N, 008.6693W, 0.05, h33km, n22,
c0541/29.7C, Puerto Rico region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, s, ISC. Lists stations like AGPR, AGPR, AGPR, etc.

NEIC 07 23:19:19.7, 2.0, 17.9S, 0.178, 4W, 0.1, h581km, 8km,
mb4.4/83, Error ellipse: s-maj=17.3km s-min=14.2km
az=150.0

IDC 07 23:19:20.5, 1.6, 17.99S, 178.45W, h585km, 17km,
mb3.5/12, mbTmP=5.914, Error ellipse: s-maj=17.5km
s-min=13.3km az=106.0

NOU 07 23:19:20.4, 17.96S, 178.36W, h583km, mb4.7/31, Fiji
Islands Region

ISC 07 23:19:19.7, 0.4, 17.95S, 008.178, 39W, 0.07, h579km,
n156, c0996/157, mb4.3/57.4C, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, s, ISC. Lists stations like LKBA, TAVE, DGTI, etc.

Table with columns: Iamb, Iamb, 23 28 45.1, 23 28 34.1, etc. Lists stations like VVND, MORV, GIRL, ADK, etc.

Table with columns: MKAR, BVAR, FINES, BRLT, CCLL, MMAI, GERES, RONA, BIOA, KBA, WATA, WTTA, SGT, ABTA, FETA. Lists stations like Makanchi Array, Borovoye Array, etc.

ISK 07 23:21:30.6, 37.64N, 26.82E, h13km, ML2.0/19
AFAD 07 23:21:31.0, 0.0, 37.66N, 26.83E, h7km, 2km, ML2.1,
ATH 07 23:21:31.4, 37.62N, 26.83E, h9km, 2km, ML2.6/5, Error
ellipse: s-maj=3.4km s-min=1.2km az=48.0

ISC 07 23:21:31.0, 0.9, 37.65N, 0.02, 26.83E, 0.03, h12km, 6km,
n135, c0555/10, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, s, ISC. Lists stations like SMG, GCAM, DDIM, etc.

IDC 08 00:06:59.9, 3.5, 36.35N, 71.39E, h120km, 28km, mb3.6/6,
mbTmP, 0.1/3, Error ellipse: s-maj=29.7km s-min=18.9km
az=169.0
NMC 08 00:07.0, 5.2, 36.91N, 71.28E, h166km, 36km, mb3.3,
mpv4.2, Error ellipse: s-maj=22.4km s-min=16.0km
az=21.0

ISC 08 00:07.0, 2.2, 0.7, 36.44N, 0.07, 71.38E, 0.06, h150km, n33,
c237/40, mb3.8/6, 5C-2D, Afghanistan-Tajikistan border
region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, s, ISC. Lists stations like AML, AML, EKS2, AAK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like TKM2 Tokmak, GEYT Alibeev, PYUN Pluthan, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like YKUZ Yakutat, S31K Pelican, S31K comp=N,565nm,0.7s, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like LOGN Logan Glacier, LOGN comp=N,109nm,0.5s, LOGN Logan Glacier, etc.

JMA 08 00:21:14.6:0.2,34.1N,2.13.9E, h287km, MV3.1/22, FAR S OFF TOKAI DISTRICT, IDC 08 00:21:15.6:0.2,33.77N,138.781E, h280km, 19km, mb3.1/5, mbmp3.6/6, Error ellipse: s-maj=74.9km s-min=17.2km az=68.0

ISC 08 00:21:16.0:0.9,33.65N,108.13873E,0.07,h300km,n22,c285/25,mb3.2/5,Southeast of Honshu

ISC 08 00:38:43.0:0.8,15.56N,95.00W,h19km,21km,MD3.6,Near east of Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like JMKN Mikurajimanish, TKJ2 Tokai 2, JHUJ Hachijo jima 2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like PCA Pinnacle, PCA Pinnacle, SAMH Samovar Hills, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like KIAG Kiagna River, KIAG Kiagna River, BERG Berg Lake, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like NILT Santiago Nitte, HUIG Huatulco, CARR Arriaga, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like S32K Killisnoo, S32K Killisnoo, MESA MESA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like VRDI Verde Repeater, MCARA McCarthy VSAT, P33M Teslin, Yukon, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like CMIG Matias Romero, HUIG Huatulco, UXUV UXUV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like Q29M Mount Kennedy, Q29M Mount Kennedy, BESE Bessie Moutain, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like U33K Whale Pass, U33K Whale Pass, U33K Whale Pass, etc.

MEX 08 00:39:43.9:0.3,16.90N,95.50W,h5km,999km,MD3.7,Oaxaca

MEX 08 00:54:32.0:2.5,58.20N,138.82W,h0km,ML3.6/31,Error ellipse: s-maj=7.2km s-min=3.4km az=39.0

MEX 08 00:54:32.0:2.5,58.20N,138.82W,h0km,ML3.6/31,Error ellipse: s-maj=7.2km s-min=3.4km az=39.0

Table with columns for station ID, name, coordinates, and status. Includes stations like MOTA Moosalm, RETA Reutte, FETA Feichtange, SHEM Shemya Is, DAVA Damuels, IBBN Ibbenbüren, SENIN Lac Senin/Sane, WLF Walferdange, WAKE Wake Island, KEST Kesra, JMJC Jan Mayen, CLF Chamboon-Forêt, EKA Eskdalemuir Ar, C17K Delong Moutai, STKA Stephens Creek, C19K Lookout Ridge, SPIA Saint Paul Isl, B20K Meade River, E18K Tukphalearik C, A22K Sinclair Lake, F17K Baldwin Pennin, D19K Kuna River, K13K Kusilvak Mount, D20K Etivluk River, B22K Teshepkuk Lake, B21K Ikipkuk River, C21K Knifeflade Rid, E20K Nigu River, E19K Redstone River, F19K Shaleruckik Mo, H17K Granite Mounta, E21K Killik River, E21K Killik River, G19K Purcell Mounta, J16K Anvik River, H18K Honhosa River, F20K Avaraart Lake, D22K Ayikyak River, K15K Wolf Creek Mou, M13K Dall Lake, C23K Iklikik River, C23K Iklikik River, NIKH Nikolski High, H19K Roundabout Mou, D23K Nanushuk River, F21K Alatna River, F21K Alatna River, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, C24K Franklin Bluff, GCSA Galena City Sc, F22K John River, D24K Happy Valley, D24K Happy Valley, D24K Happy Valley, G21K Allakakat, N14K Kuskoquwak Cree, H20K Anotleneega Mo, TOLK Toolik Lake Re, TOLK Toolik Lake Re, M15K Kasigluk River, L16K Owhat River, K17K Iditarod, SUMG Summit, SUMG Summit, E23K Chandalar, J18K Innok River, G22K Bettles, J19K Poornan, I20K Naaghedeneel, D25K Kavik River, D25K Kavik River, C26K Camden Bay, M16K Timber Creek, COLD Coldfoot, H21K Melozitna River, H21K Melozitna River, E24K Your Creek, E24K Your Creek, TTA Tatalina, J20K Nowinta River, N16K Nishlik Lake, L18K Granite Mounta, G23K Bananza Creek

Table with columns for station ID, name, coordinates, and status. Includes stations like G23K Bananza Creek, H22K Ishikata Cre, M17K Holitna River, F24K Squaw Lake, F24K Squaw Lake, I21K Tanana, I21K Tanana, ESDC Sonseca Array, ESDC Sonseca Array, K20K Telida, E25K Arctic Village, H23K Yukon River, H23K Yukon River, M18K Stony River, MLY Manley, MLY Manley, MLY Manley, L19K White Mountain, CHUM Lake Minchumin, G24K Hadweenzic Riv, F25K Christian River, D27M Malcolm River, I23K Minto, Yukon-K, CAST Castle Rocks, CAST Castle Rocks, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, F26K Sheenjek River, G25K Bearman Lake, H24K Noodor Dome, H24K Noodor Dome, H24K Noodor Dome, BMLA Burnt Mountain, PPAR Purkeypile, NEA2 Nenana, NEA2 Nenana, NEA2 Nenana, D28M Stokes Point, M20K Styx River, FYU Fort Yukon, E27K Coleen River, E27K Coleen River, H25L Birch Creek, MDM Murphy Dome, N19K Bonanza Creek, S14K Fog Glacier, BWN Browne, TRF Thorofare Moun, G26K Porcupine Res, POKR POKR, POKR POKR, POKR POKR, COLA College, O18K Koktuh Hills, E28M Babbage River, E28M Babbage River, E28M Babbage River, CCB Clear Creek Bu, WRH Wood River Hill, O19K Port Alsworth, MCK McIlwenny, SKT Skwentna, SKT Skwentna, PRP Porcupine Dome, PRP Porcupine Dome, IL31 Ilk, IL31 Ilk, ILAR Eielson Array, ILAR Eielson Array, RND Reindeer, RND Reindeer, RND Reindeer, A36M Sachs Harbour, A36M Sachs Harbour, HDA Harding Lake, CUT China, E29M Blow River, E29M Blow River, E29M Blow River, F28M Old Crow, F28M Old Crow, G27K Doyon Strip, SUA Susitna One, SUA Susitna One, SUA Susitna One, WAT1 Susitna Watana

Table with columns for station ID, name, coordinates, and status. Includes stations like J25K Salcha River, J25K Salcha River, M22K Willow, H27K Steamboat Moun, Q19K Cape Douglas, I26K Coal Creek Min, I26K Coal Creek Min, DHY Denali Highway, K24K Donnelly Dome, WAT6 Susitna Watana, PMR Palmer, PMR Palmer, PMR Palmer, I27K Kandik River, R07K Rabbit Creek A, R18K Karluk, J26L Joseph Creek, J26L Joseph Creek, G29M Pine Creek, SML Sawmill, SML Sawmill, F30M Barrier River, INK Inuvik, INK Inuvik, INK Inuvik, SCRK Sand Creek, SCRK Sand Creek, SCRK Sand Creek, KNK Knik Glacier, KNK Knik Glacier, M23K Glacier View, BOSA Boshof, BOSA Boshof, BRSE Brazeal Lake S, CHIR Chirikof Isan, PAX Paxson, SCM Sheep Creek Mo, H29M Whitestone, H29M Whitestone, G30M Taoh Zraii Nji, G30M Taoh Zraii Nji, G30M Taoh Zraii Nji, I28M Miner Creek, EGAK Egg, SII Sitkinak Isan, PWL Port Wells, PWL Port Wells, KDAK Kodiak Island, M24K Tolsona, F31M Tsigehtechic, F31M Tsigehtechic, EPYK Eagle Plains, K27K Chicken, K27K Chicken, HARP HARP, G31M Satah River, G31M Satah River, G31M Satah River, I29M Ogilvie Camp, L26K Log Cabin Wild, KLU Klutina, KLU Klutina, C36M Paulatuk, C36M Paulatuk, P23K Montague Isan, L27K Beaver Creek, N25K Chitina, Valde, M26K Nabesna, AK, M26K Nabesna, AK, TSUM Tsumeb, DAWY Dawson, DAWY Dawson, DAWY Dawson, I30M Mount Dempster, I30M Mount Dempster, H31M Peel River, BMRM Bremner River, M27K Edge Creek, AK, J30M Hart River, MCARA McCarthy VSAT, TOAO Torodi Ar. Sit, TOAO Torodi Ar. Bea, TORD Torodi Ar. Bea, TORD Torodi Ar. Bea

8d 5h

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like K29M Barlow Dome, CRQE Cirque, L29M L29M, etc.

JMA 08 05:35:19.9±0.1, 23.7N; 101.22:29E; 0.4, h55km, 3km, MV3.0/14, NEAR ISHIGAKIJIMA ISLAND

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like E0S4 E0S4, JYNG Yonagunijimaku, etc.

2017 NOV

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like ETM Tongmen, ETM Tongmen, ESL Shilin, etc.

532

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like WCS baz=272, JTJ Tarama, TTN Taitung, etc.

Table with station names like Chigu Township, TSCK, WDGJ, PHUB, PNG, VCHM, YWUC, MATB, PTMZ, XPSS, KNMB, AXDP and their respective coordinates and parameters.

SJA 08 06:04:07.3±0.8,31°47'S:69°39'W,h123km,3km,ML3.9,MW4.0
NEIC 08 06:04:08.2±1.9,31°46'S:0°06:69°45'W:0°07'h121km,9km,mb4.0/6,Error ellipse: s-maj=9.2km s-min=8.5km az=84.0

ISC 08 06:04:08.5±0.6,31°49'S:0°04:69°44'W:0°04'h119km,5km,n82,±104/102,mb4.0/8,3C, San Juan Province

Main table listing stations from RTLS to BPAW with columns for Code, Station Name, Azimuth, Phase, ID, Time, Res, and ISC.

Table listing stations from LVC to NVAR with columns for Code, Station Name, Azimuth, Phase, ID, Time, Res, and ISC.

SOME 08 06:09:04.7,42°62'N:76°13'E,h10km
NNC 08 06:09:06.3±0.8,42°68'N:76°13'E,h0km,mb2.9,mpv2.6

ISC 08 06:09:05.3±1.5,42°63'N:0°06:76°13'E:0.03,h12km,15km,n19,±057/32,1C-1D,Lake Issyk-Kul region

Main table listing stations from WRA to BLB with columns for Code, Station Name, Azimuth, Phase, ID, Time, Res, and ISC.

IDC 08 06:31:21.5±65.1,27°21'N:126°36'E,h0km,Error ellipse: s-maj=305.0km s-min=177.6km az=80.0,Northwest of Ryukyu Islands

Table listing stations from I30JP to I21K with columns for Code, Station Name, Azimuth, Phase, ID, Time, Res, and ISC.

IDC 08 06:43:48.7±3.3,53°82'N:88°36'E,h0km,mbmp3.0/3,ML2.4/3,Error ellipse: s-maj=29.4km s-min=20.4km az=52.0
NMC 08 06:43:51.7±3.9,53°62'N:88°11'E,h0km,mb3.4,mpv3.0

ISC 08 06:43:51.7±3.7,53°81'N:0°11:88°0'E:0.2,h0km,n8,±057/10,7C-3D,Southwestern Siberia

Main table listing stations from I46RU to MKAR with columns for Code, Station Name, Azimuth, Phase, ID, Time, Res, and ISC.

AEIC 08 06:49:11.3±1.0,64°86'N:0°04:148°66'W:0°06'h17km,6km,ML3.7,ML3.9/15(NEIC),Mwr3.7/771(NEIC),Error ellipse: s-maj=5.7km s-min=3.9km az=173.0

NMC 08 06:49:11.3±1.5,64°87'N:0°03:148°71'W:0°06'h15km,6km,Error ellipse: s-maj=4.9km s-min=3.5km az=192.0

Moment Tensor Solution. Moment tensor: Scale 10^14Nm; Mn-3.60; Mw-1.2; Ms-3.72; Mx-0.98; My-1.03; My-0.36; Fault plane solution: Ms-3.94000x10^14 NP1: 0±1.70000°,84±11000°,λ-67.66000°. NP2: 0±15.00000°,84±48000°,λ-112.97000°. Principal axes: T 3.9804, Plg1.0000°, Azm76.0000°; N -0.0724, Plg16.0000°, Azm166.0000°; P -3.9800, Plg74.0000°, Azm343.0000°;

NEIC 08 06:49:11.3±1.0,64°86'N:148°63'W,h16km

ISC 08 06:49:11.3±1.0,9.643°N:0°02:148°59'W:0°02'h16km,9km,n274,±0976/245,Central Alaska

Main table listing stations from MDM to I21K with columns for Code, Station Name, Azimuth, Phase, ID, Time, Res, and ISC.

Table with columns: IZ1K, Tanana, 1.43 284, IAML, 06 49 59.9, etc. Lists various stations and their details.

Table with columns: SML, Sawmill, 3.08 177, P, Pn, 06 49 59.8 +0.5, etc. Lists various stations and their details.

Table with columns: D23K, Nanushuk River, 4.19 350, P, Pn, 06 50 15.4 +0.9, etc. Lists various stations and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MURUPARA, RUATAHUNA, SHANNON STATION, etc.

JMA 08 07:17:22.4d.4.3, 36°N.1 x 13°E.1, h359km, MV2.5/30, E PART OF WAKASA BAY, IDC 08 07:17:24.5, 1.7, 35, 85N: 136, 00E, h359km, 32km, mb2.8, 4, mbtmp3.6/5, Error ellipse: s-maj=60.1km s-min=-18.8km az=61.0

ISC 08 07:17:23.5, 0.9, 35, 8N: 0.1 x 135, 96E: 0.09, h350km, n16, r+122.10, mb3.1/4, Western Honsai ID

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WAKI, MIEKIHOKU, MATUSHIRO ARR, etc.

IDC 08 07:17:36.7, 4.3, 23, 31S: 131, 28E, h0km, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=30.6km s-min=19.5km az=75.0, Northern Territory

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

MOS 08 07:23:20.8, 1.4, 6, 32N: 125, 81E, h142km, mb4.9/25, Error ellipse: s-maj=12.1km s-min=6.6km az=103.5

DJA 08 07:23:20.6, 0.2, 6, N.2 x 12°E.1, h126km, 2km, M5.0/64, mb5.4/33, mb5.1/64, MLV5.6/12, mw(mB)4.9/33

GCMT 08 07:23:21.0, 4.6, 38N: 0.03 x 126, 21E: 0.03, h132km, 6km, MW4.9/74, Moment Tensor Solution, s11, c12, s74, c88;

NEIC 08 07:23:21.8, 1.8, 6, 28N: 0.07 x 125, 95E: 0.09, h120km, 5km, mb5.1/194 Error ellipse: s-maj=13.5km s-min=9.1km az=71.0

IDC 08 07:23:21.0, 2.0, 5, 6, 30N: 125, 70E, h128km, 3km, mb4.3/33, mbtmp4.8/35, MS3.7/2, Error ellipse: s-maj=14.3km s-min=7.0km az=71.0

ISC 08 07:23:22.1, 0.4, 6, 29N: 0.04 x 125, 90E: 0.05, h133km, 3km, h134km, p-P, n691, r+160/640, mb5.0/174, 6C-3D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DAVAO CITY, SGANGHE, TERNATE, etc.

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

BATI Baumata 16.54 188 P 07 27 07.2 +0.6

BATI 152m, 0.5s, baz=61, slow=1, SNR=14 S

GENI Genyem 16.76 121 P 07 27 10.3 +0.8

JAY Jayapura 17.18 120 P 07 27 10.2 -3.5

TPUB Tangu 17.66 344 P 07 27 19.9 +1.0

DLV T Lat 18.08 289 P 07 27 25.9 +0.7

UJWI Ujung Watu 19.55 230 P 07 27 38.0 -1.6

MTN Mantan Dam 19.71 165 P 07 27 40.7 +0.7

KDU Kakadu 19.95 161 P 07 27 44.0 +0.1

KDU Kakadu 19.95 161 P 07 27 43.8 -0.1

JOW Kunigami 20.55 6 P 07 27 51.6 +1.4

UGM Karang Pucung 20.84 228 P 07 27 55.6 +2.1

JCJI Jatiwangi 21.67 234 P 07 28 05.0 +2.4

TPRI Tanjung Pinang 21.98 257 P 07 28 05.6 0.0

KNRA Kunurra 22.01 173 P 07 28 05.7 -0.1

LEM Lembang 22.42 235 P 07 28 12.5 +2.3

BBJI Bungbulang 22.76 233 P 07 28 13.9 +0.5

KLJ Kotabumi 23.75 243 P 07 28 23.6 +1.1

LHSI Lahat 24.50 246 P 07 28 29.9 +0.7

NONG Nongkai 25.09 300 P 07 28 36.0 +1.4

BKNI Bontol 25.44 290 P 07 28 40.3 +2.5

SRIT Nakonsitamara 26.17 277 P 07 28 45.3 +0.9

SRIT Nakonsitamara 26.17 277 P 07 28 45.3 +0.9

PMG Port Moresby 26.30 126 P 07 28 45.1 -0.5

PMG Port Moresby 26.30 126 P 07 28 45.1 -0.5

COEN Coen 26.43 140 P 07 28 46.5 -0.2

NJ2 Nanjing 26.46 346 eP 07 28 49.6 +2.9

NPJ Nanjing 26.46 346 eP 07 29 14.7 -0.3

NPJ Nanjing 26.46 346 eP 07 29 30.8 +0.3

NPJ Nanjing 26.46 346 eP 07 29 30.8 +0.3

NPJ Nanjing 26.46 346 eP 07 29 30.8 +0.3

NPJ Nanjing 26.46 346 eP 07 29 30.8 +0.3

NPJ Nanjing 26.46 346 eP 07 29 30.8 +0.3

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NPJ Nanjing 26.46 346 eP 07 29 30.8 +0.3

NPJ Nanjing 26.46 346 eP 07 29 30.8 +0.3

NPJ Nanjing 26.46 346 eP 07 29 30.8 +0.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHIANG MAI, MOUNT ISA, etc.

CHTO Chiang Mai 29.05 298 P 07 29 09.2 -0.8

CHTO Chiang Mai 29.05 298 P 07 29 09.2 -0.8

QIS Mount Isa 29.89 154 P 07 29 17.4 -0.1

QIS Mount Isa 29.89 154 P 07 29 17.4 -0.1

MTSU Mount Surprise 30.32 143 P 07 29 21.8 +0.5

MTSU Mount Surprise 30.32 143 P 07 29 21.8 +0.5

PZH Pohnpei 30.56 314 P 07 29 22.0 +0.8

PZH Pohnpei 30.56 314 P 07 29 22.0 +0.8

INU Inuyama 30.68 18 P 07 29 24.0 -0.1

INU Inuyama 30.68 18 P 07 29 24.0 -0.1

AS31 Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

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ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

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ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

ASAR Alice Springs 30.78 166 P 07 29 25.1 -0.2

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NWAQ, NWAQ Narrogin (SRO), NWAQ Narrogin (SRO), etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OUENC Ouen Island, N, WMQ WMO, WMQ WMO, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like N16K Nishlik Lake, M16K Timber Creek, M16K Timber Creek, etc.

C21K	Knifeflade Rid	80.35	21	P	P	07 35 20.3 +2.1
IMAR	Indian Mountai	80.36	24	P	P	07 35 19.7 +1.4
B21K	Ikpikpuk River	80.47	20	Iamb	Iamb	07 35 22.3
BLM1	Ikpikpuk River	80.47	20	P	P	07 35 21.1 +2.3
G21K	Allakaket	80.51	24	P	P	07 35 21.1 +2.0
G21K	Allakaket	80.51	24	Iamb	Iamb	07 35 22.6
G21K	Allakaket	80.51	24	P	P	07 35 21.2 +2.0
A22K	Sinclair Lake	80.55	19	P	P	07 35 21.2 +2.0
E21K	Killik River	80.55	22	Iamb	Iamb	07 35 22.1
E21K	Killik River	80.55	22	P	P	07 35 21.1 +1.8
F21K	Alatna River	80.60	23	P	P	07 35 21.3 +1.8
N20K	Mount Spurr	80.61	29	P	P	07 35 21.1 +1.2
KBZ	Khabaz	80.63	313	P	P	07 35 19.9 -0.3
H21K	Melozitna Rive	80.71	25	Iamb	Iamb	07 35 23.2
H21K	Melozitna Rive	80.71	25	P	P	07 35 22.3 +2.1
PPLA	Purkeypile	80.74	27	P	P	07 35 22.1 +1.5
CHUM	Lake Miramin	80.76	26	P	P	07 35 22.4 +1.9
CAST	Castle Rocks	80.83	27	P	P	07 35 22.6 +1.7
B22K	Teshkepuk Lake	80.97	20	P	P	07 35 23.4 +2.0
SKT	Skwentna	80.98	28	Iamb	Iamb	07 35 23.7
SKT	Skwentna	80.98	28	P	P	07 35 22.6 +0.8
SNMP	China Poot	80.99	31	Iamb	Iamb	07 35 23.6
I21K	Tanana	81.01	25	Iamb	Iamb	07 35 24.9
I21K	Tanana	81.01	25	P	P	07 35 24.1 +2.3
D22K	Aiyikay River	81.07	21	P	P	07 35 24.4 +2.4
F22K	John River	81.13	23	P	P	07 35 24.7 +2.3
BRSE	Bradley Lake S	81.25	31	P	P	07 35 23.9 +0.7
H22K	Ishatitina Cre	81.32	24	P	P	07 35 25.9 +2.5
E22K	Anaktuvuk Pass	81.32	22	Iamb	Iamb	07 35 26.5
E22K	Anaktuvuk Pass	81.32	22	P	P	07 35 25.1 +1.6
SUA	Susitna One	81.33	29	P	P	07 35 24.5 +0.8
G22K	Bettles	81.34	23	P	P	07 35 25.3 +1.9
KTH	Kantitna Hill	81.36	27	Iamb	Iamb	07 35 26.6
BPAW	Bear Paw Mtn.	81.36	26	P	P	07 35 25.0 +1.3
BPAW	Bear Paw Mtn.	81.36	26	P	P	07 35 25.4 +1.7
MLY	Manley	81.53	25	Iamb	Iamb	07 35 27.3
MLY	Manley	81.53	25	P	P	07 35 26.5 +1.9
CUT	Chuilina	81.60	28	P	P	07 35 25.7 +0.8
TRF	Thorofare Moun	81.64	27	Iamb	Iamb	07 35 27.2
TRF	Thorofare Moun	81.64	27	P	P	07 35 26.3 +0.9
M22K	Willow	81.64	29	P	P	07 35 25.8 +0.6
O22K	Cooper Landing	81.79	30	P	P	07 35 26.7 +0.7
D23K	Nanushuk River	81.80	21	P	P	07 35 28.2 +2.3
RC01	Rabbit Creek A	81.80	29	Iamb	Iamb	07 35 27.6
RC01	Rabbit Creek A	81.80	29	P	P	07 35 26.8 +0.8
COLD	Coldfoot	81.87	23	P	P	07 35 28.5 +2.2
C23K	Ikiklik River	81.88	20	Iamb	Iamb	07 35 29.8
C23K	Ikiklik River	81.88	20	P	P	07 35 28.7 +2.4
G23K	Bananza Creek	81.91	24	Iamb	Iamb	07 35 29.9
G23K	Bananza Creek	81.91	24	P	P	07 35 28.7 +2.2
SEW	Seward	81.91	30	P	P	07 35 27.6 +1.0
BWN	Browne	82.03	26	Iamb	Iamb	07 35 30.4
H23K	Yukon River	82.06	24	Iamb	Iamb	07 35 30.5
H23K	Yukon River	82.06	24	P	P	07 35 29.6 +2.3
PMR	Palmer	82.11	29	Iamb	Iamb	07 35 29.2
PMR	Palmer	82.11	29	P	P	07 35 28.5 +0.9
PMR	Palmer	82.11	29	P	P	07 35 28.5 +0.9
I23K	Minto, Yukon-K	82.11	25	Iamb	Iamb	07 35 30.4
I23K	Minto, Yukon-K	82.11	25	P	P	07 35 29.6 +2.0
E23K	Chandalar	82.14	22	P	P	07 35 30.2 +2.4
TOLK	Toolik Lake Re	82.18	22	Iamb	Iamb	07 35 31.5
TOLK	Toolik Lake Re	82.18	22	P	P	07 35 30.2 +2.2
GHO	Glory Hole Cre	82.21	29	Iamb	Iamb	07 35 30.1
NEA2	Nenana	82.22	26	Iamb	Iamb	07 35 31.2
NEA2	Nenana	82.22	26	P	P	07 35 29.1 +0.9
MCK	McKinley	82.25	27	P	P	07 35 29.2 +0.8
RND	Reindeer	82.28	27	Iamb	Iamb	07 35 30.2
WAT1	Susitna Watana	82.41	27	P	P	07 35 30.1 +0.9
KNK	Knik Glacier	82.43	29	P	P	07 35 30.8 +1.5
D24K	Happy Valley	82.47	21	Iamb	Iamb	07 35 32.6
D24K	Happy Valley	82.47	21	P	P	07 35 31.9 +2.6
PWL	Port Wells	82.48	29	P	P	07 35 30.7 +1.1
SML	Sawmill	82.49	29	P	P	07 35 30.5 +0.9
SML	Sawmill	82.49	29	P	P	07 35 30.6 +0.9
C24K	Franklin Bluff	82.54	21	P	P	07 35 31.6 +1.9
E24K	Your Creek	82.56	22	P	P	07 35 32.2 +2.2
MDM	Murphy Dome	82.59	25	Iamb	Iamb	07 35 33.6
WRH	Wood River Hil	82.64	26	Iamb	Iamb	07 35 32.8
COLA	College	82.75	25	P	P	07 35 31.4 +0.5
COLA	College	82.75	25	Iamb	Iamb	07 35 33.7
COLA	College	82.75	25	P	P	07 35 31.6 +0.8
COLA	College	82.75	25	P	P	07 35 32.7 +1.9
COLA	College	82.75	25	P	P	07 35 31.4 +0.5
H24K	Noodor Dome	82.75	24	Iamb	Iamb	07 35 35.2
H24K	Noodor Dome	82.75	24	P	P	07 35 32.7 +1.7
CCB	Clear Creek Bu	82.77	26	Iamb	Iamb	07 35 33.2
F24K	Squaw Lake	82.78	23	P	P	07 35 33.4 +2.3

WAT6	Susitna Watana	82.78	28	P	P	07 35 32.6 +1.3
M23K	Klavor View	82.78	29	P	P	07 35 32.3 +1.1
KLMR	Klimovskoe	82.78	330	eP	AMP	07 35 30.7 -0.4
KLMR	Klimovskoe	82.78	330	eP	AMP	07 35 45.9
KLMR	Klimovskoe	82.78	330	eP	AMP	07 35 30.7 -0.4
G24K	Hadweencic Riv	82.92	24	Iamb	Iamb	07 35 35.1
G24K	Hadweencic Riv	82.92	24	P	P	07 35 34.2 +2.4
POKR	Poker Plat Res	82.93	25	Iamb	Iamb	07 35 35.6
POKR	Poker Plat Res	82.93	25	P	P	07 35 33.4 +1.6
P23K	Montague Islan	82.94	30	P	P	07 35 33.4 +1.5
SOC	Sochi	82.94	313	eP	e	07 35 28.9 -3.4
SOC	Sochi	82.94	313	ePPP	PPP	07 38 36.9
SOC	Sochi	82.94	313	eSS	SS	07 45 37.9 -2.4
SOC	Sochi	82.94	313	eSSS	SSS	07 50 59.0 -7.4
SOC	Sochi	82.94	313	eSSS	SSS	07 54 33.1
DHY	Denali Highway	82.95	27	P	P	07 35 33.8 +1.6
SCM	Sheep Creek Mo	82.97	29	P	P	07 35 33.5 +1.3
GLI	Glacier Island	83.09	29	P	P	07 35 33.9 +1.2
HDA	Harding Lake	83.14	26	P	P	07 35 33.2 +0.3
IL31	Ilisa	83.16	26	Iamb	Iamb	07 35 34.7
ILAR	Ilisa	83.16	26	P	P	07 35 32.9 -0.2
D25K	Kavik River	83.35	21	P	P	07 35 34.5 +0.5
D25K	Kavik River	83.35	21	P	P	07 35 36.0 +2.1
G25K	Beavman Lake	83.42	24	P	P	07 35 37.0 +2.5
M24K	Tolsona, Glenn	83.51	28	P	P	07 35 37.1 +2.1
H25L	Birch Creek	83.59	24	P	P	07 35 37.9 +2.7
F25K	Christian River	83.64	23	P	P	07 35 38.0 +2.5
KLU	Klutina	83.64	29	Iamb	Iamb	07 35 38.2
KLU	Klutina	83.64	29	P	P	07 35 37.4 +1.7
E25K	Arctic Village	83.66	22	Iamb	Iamb	07 35 39.1
E25K	Arctic Village	83.66	22	P	P	07 35 38.2 +2.7
K24K	Donnelly Dome	83.66	27	P	P	07 35 36.6 +1.0
PRP	Porcupine Dome	83.73	25	P	P	07 35 36.7 +0.6
EYAK	Cordova Ski Ar	83.75	30	P	P	07 35 37.5 +1.4
J25K	Salcha River,	83.81	26	Iamb	Iamb	07 35 37.6
J25K	Salcha River,	83.81	26	P	P	07 35 36.8 +0.4
PAX	Paxson	83.82	27	P	P	07 35 38.0 +1.5
C26K	Camden Bay	83.86	20	P	P	07 35 39.7 +3.2
HARP	HARP	83.98	28	P	P	07 35 39.6 +2.3
BMAR	Burnt Mountain	84.05	23	P	P	07 35 39.3 +1.7
F26K	Shenik River	84.21	23	P	P	07 35 40.8 +2.4
N25K	Chitina, Valde	84.28	29	Iamb	Iamb	07 35 41.6
N25K	Chitina, Valde	84.28	29	P	P	07 35 41.1 +2.3
BMRM	Bremer River	84.30	29	P	P	07 35 40.9 +1.9
G26K	Porcupine Rive	84.38	23	P	P	07 35 41.8 +2.6
KAIM	Kayak Island	84.44	30	P	P	07 35 42.1 +2.4
SCRK	Sand Creek	84.44	26	P	P	07 35 41.1 +1.4
OBN	Obninsk	84.50	325	eP	e	07 35 37.5 -2.5
OBN	Obninsk	84.50	325	ePPP	PPP	07 38 42.0 +0.9
OBN	Obninsk	84.50	325	e	e	07 38 57.3
J26L	Joseph Creek	84.60	26	Iamb	Iamb	07 35 42.7
J26L	Joseph Creek	84.60	26	P	P	07 35 41.9 +1.5
MENT	Mentasta	84.62	27	P	P	07 35 42.7 +2.2
GLB	Gililina Butte	84.66	29	P	P	07 35 42.3 +1.5
I26K	Coal Creek Min	84.73	25	P	P	07 35 44.7 +1.0
I26K	Coal Creek Min	84.73	25	P	P	07 35 43.2 +1.3
L26K	Log Cabin Wild	84.78	27	Iamb	Iamb	07 35 44.7
L26K	Log Cabin Wild	84.78	27	P	P	07 35 43.3 +2.0
VRDI	Verde Repeater	84.84	29	Iamb	Iamb	07 35 44.3
M26K	Nabesna, AK	84.98	28	P	P	07 35 44.7 +2.4
CRQM	Cirque	85.03	30	P	P	07 35 43.7 +0.9
MCARA	McCarthy VSAT	85.04	29	P	P	07 35 44.6 +2.0
MCARA	McCarthy VSAT	85.04	29	Iamb	Iamb	07 35 46.0
MCARA	McCarthy VSAT	85.04	29	P	P	07 35 44.7 +2.0
CRQE	Cirque	85.05	30	P	P	07 35 44.6 +1.7
E27K	Coleen River	85.14	22	P	P	07 35 44.6 +1.6
E27K	Coleen River	85.14	22	Iamb	Iamb	07 35 46.9
E27K	Coleen River	85.14	22	P	P	07 35 45.5 +2.5
G27K	Doyon Strip	85.23	23	P	P	07 35 46.3 +2.8
D27M	Malcolm River	85.28	21	P	P	07 35 46.4 +2.7
K27K	Chicken	85.28	26	Iamb	Iamb	07 35 48.0
K27K	Chicken	85.28	26	P	P	07 35 46.4 +2.7
H27K	Steamboat Moun	85.33	24	P	P	07 35 47.0 +3.0
I27K	Kandik River	85.35	25	P	P	07 35 46.8 +2.7
ISLE	Juniper Island	85.43	30	P	P	07 35 46.4 +1.7
L27K	Beaver Creek	85.47	27	P	P	07 35 46.1 +1.3
L27K	Beaver Creek	85.47	27	P	P	07 35 47.2 +2.5
BCAR	Beaver Creek A	85.49	27	P	P	07 35 46.0 +1.2
M27K	Edge Creek, AK	85.51	28	P	P	07 35 47.6 +2.5
EGAK	Eagle	85.61	25	P	P	07 35 46.6 +1.3
EGAK	Eagle	85.61	25	P	P	07 35 46.9 +1.5
MESA	MESA	85.66	30	P	P	07 35 46.5 +0.5
MESA	MESA	85.66	30	P	P	07 35 48.1 +2.1
GRNC	Granite Creek	85.71	29	Iamb	Iamb	07 35 49.8
BARN	Barnard Glacie	85.72	29	Iamb	Iamb	07 35 50.0
YAH	Yahltse	85.75	30	Iamb	Iamb	07 35 49.8
F28M	Old Crow	85.84	23	Iamb	Iamb	07 35 50.2
F28M	Old Crow	85.84	23	P	P	07 35 47.9 +1.4
E28M	Babbage River	85.86	22	Iamb	Iamb	07 35 50.5
E28M	Babbage River	85.86	22	P	P	07 35 48.8 +2.3
MAW	Mawson	85.86	200	P	P	07 35 45.8 -0.6

comp=Z,2.7nm,0.8s,baz=92,slow=4.2,SNR=9.6						
CTG	China Glacier	85.89	29	P	P	07 35 49.5 +2.5
BVCY	Beaver Creek	85.97	28	P	P	07 35 49.4 +2.1
D28M	Stokes Point	86.06	21	P	P	07 35 49.8 +2.3
VNDA	Vanda	86.06	173	P	P	07 35 46.9 -0.3
VNDA	Vanda	86.06	173	P	P	07 35 46.9 -0.3
VNDA	Vanda					

Table with columns for station ID, name, location, and various performance metrics. Includes stations like Chernabura Isl, DLV, BELA, MYKOM, etc.

Table with columns for station ID, name, location, and various performance metrics. Includes stations like GRNR, GSC, YBH, TIN, etc.

Table with columns for station ID, name, location, and various performance metrics. Includes stations like N16K, O18K, K05A, GSI, etc.

2017 NOV

Table with columns for call sign, name, frequency, mode, and other technical details. Includes stations like MORC Moravsky Berou, ERIK Eriki-Kesan, and many others.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like ABTA, SKO, BLY, etc.

NEIC 08 07 46:17.6 ± 1.9, 57.86N, 0.04 ± 137.96W, 0.0, h2km, 7km, ML2.7/30, ML2.7(OTT), Error ellipse: s-maj=8.4km, s-min=3.5km, az=45.0

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like S31K, SIT, P29M, etc.

Main table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like O30N, YUK6, G32M, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like INKA, STKA, QIS, etc.

comp=Z,0.6nm,0.6s,baz=206,slow=1.8,SNR=12
 TORO Torodi Arr Beas 81.03 74 P P 09 00 40.2 -1.0
 comp=Z,0.4nm,0.5s,baz=254,slow=4.5,SNR=2.9
 VANDA Vanda 82.28 191 P I Amb P 09 00 47.0 +0.3
 VANDA Vanda 82.28 191 P I Amb P 09 00 49.8
 comp=Z,1.5nm,0.7s
 VANDA Vanda 82.28 191 P P 09 00 49.0 +2.3
 comp=Z,1.3nm,0.6s,baz=108,slow=3.2,SNR=16
 comp=Z,1.3nm,0.6s
 H1N13 WAKE ISLAND Hy20.77 284 T T 11 18 52.7
 baz=99
 H1N12 WAKE ISLAND Hy20.78 284 T T 11 18 51.4
 baz=99
 H1N11 WAKE ISLAND Hy20.79 284 T T 11 18 53.6
 baz=99
 WRA Warramunga Arr 134.83 221 PKP PKPdf 09 07 45.4 +0.2
 comp=Z,0.2nm,0.3s,baz=132,slow=2.0,SNR=2.4

IDC 08 09:56:29.1+1.2,5.70S:145.26E,h0km,mb3.6/5,
 mbmp3.6/7,ML2.6/2,MS3.0/1,Error ellipse: s-maj=44.3km
 s-min=24.4km az=94.0
 ISC 08 09:56:39.9+1.1,6.15S:01:145.5E:0.2,h100km,n8,
 0:592/8,mb3.6/4,New Guinea

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
PMG	Port Moresby	3.64	153	Pn	Op	08 57 34.7	+0.4
PMG	Warramunga Arr	5.9m,0.3s,baz=286,slow=23,SNR=8.8		Sn	Op	08 58 15.8	-0.6
WRA	Warramunga Arr	17.49 217 P		Pn	Op	09 00 37.1	-0.5
		0.1nm,0.3s,baz=40,slow=12,SNR=5.7					
		0.3nm,0.6s					
ASAR	Alice Springs	20.69 211 P		Pn	Op	09 12.9	+0.7
		0.6nm,0.8s,baz=36,slow=12,SNR=10.0					
STKA	Stephen Creek	25.87 188 LR		LR	Op	09 11 53.1	
		comp=Z,39nm,21.5s,baz=293,slow=35					
MKAR	Makanchi Array	76.65 321 P		Pn	Op	09 08 20.4	+0.4
		0.4nm,0.6s,baz=96,slow=5.7,SNR=4.1					
		0.4nm,0.6s					
ZALV	Zalesovo Beam	78.33 328 P		Pn	Op	09 08 27.5	-1.6
		0.4nm,0.3s,baz=120,slow=5.5,SNR=1.9					
		0.4nm,0.3s					
KURBS	Kurchatov Arra	80.44 324 P		Pn	Op	09 08 40.6	0.0
		0.4nm,0.7s,baz=125,slow=4.0,SNR=4.9					
		0.4nm,0.7s					
ILAR	Eielson Array	86.20 23 P		Pn	Op	09 09 10.3	+0.4
		0.5nm,0.6s,baz=248,slow=5.3,SNR=13					
		0.5nm,0.6s					

IDC 08 09:06:11.5+8.6,35.22N:72.44E,h0km,mb3.6/1,
 mbmp3.5/4,ML3.3/3,MS3.5/3,Error ellipse:
 s-maj=141.1km s-min=40.8km az=155.0
 NNC 08 09:06:46.7+3.6,37.69N:71.66E,h112km,70km,mb2.8,
 mpv3.5,Error ellipse: s-maj=37.8km s-min=27.7km
 az=140.0

IDC 08 09:05:41.8+2.8,37.44N:02:71.8E:0.1,h100km,n18,
 2:501/17,4C-2D,Afghanistan-Tajikistan border region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
AML	Almayashu	4.95 17 P		Pn	Op	09 07 56.1	+1.8
		SNR=92					
AML	Almayashu	4.95 17 P		Pn	Op	09 07 55.9	+1.7
		0.9nm,0.4s					
AML	Erkin-Say	5.48 16 P		Pn	Op	09 08 03.2	+2.1
		SNR=5.4					
AAK	Ala-Archa	5.63 21 P		Pn	Op	09 08 05.6	+2.3
		SNR=13					
KK31	Karatay Array	5.77 351 P		Pn	Op	09 08 06.4	+1.4
		2.0nm,0.3s,baz=172,slow=11,SNR=5.0					
KK31	Karatay Array	5.77 351 P		Pn	Op	09 08 08.3	-1.4
		3.2nm,0.3s,baz=160,slow=25,SNR=4.0					
CHMS	Chumysh	6.04 21 P		Pn	Op	09 08 10.6	+1.9
		SNR=7.5					
USP	Ospetovka	6.22 19 P		Pn	Op	09 08 12.5	+1.4
		SNR=18					
TKM2	Tokmak 2	6.25 27 P		Pn	Op	09 08 13.6	+2.0
		SNR=15					
TKM2	Tokmak 2	6.25 27 P		Pn	Op	09 08 13.5	+1.8
		8.8nm,0.5s					
TKM2	Tokmak 2	6.25 27 P		Pn	Op	09 08 22.2	+0.5
		2.0nm,0.5s					
GEYT	Alibek	10.82 277 Pn		Pn	Op	09 09 02.3	-1.1
		0.8nm,0.3s,baz=100,slow=14,SNR=1.9					
GEYT	Alibek	10.82 277 Pn		Pn	Op	09 11 03.6	-9.1
		1.2nm,0.3s,baz=123,slow=12,SNR=5.6					
		1.1nm,0.3s					
MKAR	Makanchi Array	12.21 36 Pn		Pn	Op	09 09 30.1	-2.1
		0.1nm,0.3s,baz=222,slow=14,SNR=8.3					
		0.8nm,0.6s					
KURBS	Kurchatov Arra	14.08 18 Pn		Pn	Op	09 09 53.6	-3.0
		baz=200,slow=11,SNR=2.4					
		1.1nm,0.3s					
AB31	Akbulak array	14.61 328 P		Pn	Op	09 10 01.5	-1.9
		0.2nm,0.3s,baz=134,slow=15,SNR=12					
AKTO	Aktuybinsk	16.32 327 P		Pn	Op	09 10 28.2	+2.2
		0.2nm,0.3s					
ZALV	Zalesovo Beam	18.84 24 P		Pn	Op	09 10 52.4	-1.3
		1.1nm,0.4s,baz=213,slow=9.4,SNR=6.4					
		1.1nm,0.4s					
KAPI	Kappang	61.43 123 LR		LR	Op	09 47 36.4	
		comp=Z,14nm,20.0s,baz=185,slow=42					
TSUM	Tsumeb	75.94 232 LR		LR	Op	09 54 55.4	
		comp=Z,50nm,18.9s,baz=185,slow=39					
SCHO	Schefferville	81.50 337 LR		LR	Op	09 54 28.1	
		comp=Z,46nm,19.3s,baz=176,slow=35					

IDC 08 09:19:00.3+435.0,42.32S:56.46W,h0km,Error ellipse:
 s-maj=226.8km s-min=163.6km az=90.0,South Atlantic Ocean

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
102AR	USHUAIA INFRAS 14.21 207 P			Op	I	10 43 00.0	
		baz=33,slow=328,SNR=1.8					
141PY	VILLA FLORIDA 15.95 357 I			I	I	10 50 20.0	
		baz=179,slow=323,SNR=8.9					
108BO	LAS PEÑAS INFR 17.98 335 I			I	I	12 12 20.0	
		baz=159,slow=330,SNR=0.9					

NOU 08 09:19:40.8,21.778S:169.35E,h0km,MLV4.1/9,Southeast of Loyalty Islands
 IDC 08 09:19:44.0,1.0,21.83S:169.04E,h0km,mb3.9/7,
 mbmp3.9/8,ML3.6/1,MS3.1/3,Error ellipse: s-maj=32.9km
 s-min=24.4km az=164.0

NEIC 08 09:19:45.0,0.7,21.78S:01:168.2E:0.1,h10km,2km,
 mb4.1/10,Error ellipse: s-maj=18.0km s-min=8.3km
 az=90.0

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
MARNC	Mare, Loyalty	0.82 297 P		Pn	Op	09 20 44.0	+0.7
MARNC	Mare, Loyalty	0.82 297 P		Pn	Op	09 20 04.3	+1.0
PINN	Pines Island,	1.48 239 P		Pg	Op	09 20 13.3	-0.8
PINN	Pines Island,	1.48 239 P		Pg	Op	09 20 14.7	+0.6
LIFNC	LIFOU	1.82 306 P		Pn	Op	09 20 17.7	+0.5
LIFNC	LIFOU	1.82 306 P		Pn	Op	09 20 17.7	+0.7
OUCNC	Ouen Island,N	1.92 253 P		Pg	Op	09 20 19.9	-0.9
OUCNC	Ouen Island,N	1.92 253 P		Pg	Op	09 20 21.6	-0.9
DZM	Mont Dzumac	2.22 264 P		Pb	Op	09 20 24.8	-1.1
DZM	Mont Dzumac	2.22 264 P		Pb	Op	09 20 25.7	-0.2
DZM	Mont Dzumac	2.22 264 Pn		Pb	Op	09 20 25.3	-0.5
		12nm,0.3s,baz=120,slow=11,SNR=14.1					
DZM	Mont Dzumac	2.22 264 Pn		Pb	Op	09 20 52.6	-0.8
		15nm,0.3s,baz=101,slow=22,SNR=6.1					
DZM	Mont Dzumac	2.22 264 Pn		Pb	Op	09 21 13.3	
		comp=Z,184nm,19.4s,baz=81,slow=37					
ONTNC	Ouen Toro	2.24 258 P		Pn	Op	09 20 24.0	+1.2
ONTNC	Ouen Toro	2.24 258 P		Pn	Op	09 20 24.1	-0.1
NOUC	Port Laguerre	2.35 264 P		Pb	Op	09 20 27.4	-0.7
KOUNC	Koumac, New Ca	4.43 286 P		Pn	Op	09 20 53.0	+0.2
KOUNC	Koumac, New Ca	4.43 286 P		Pn	Op	09 20 56.7	+3.8

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
MSVF	Nonsavu	9.60 66 LR		LR	Op	09 25 13.7	
		comp=Z,154nm,19.3s,baz=200,slow=35					
CTA	Charters Tower	21.14 271 LR		LR	Op	09 32 21.8	
CTAO	Charters Tower	21.14 271 P		P	Op	09 32 31.0	0.0
CTAO	Charters Tower	21.14 271 P		I Amb	Op	09 25 00.3	
PYZ	Puyssegur Point	24.32 184 P		P	Op	09 25 02.4	-0.9
STKA	Stephens Creek	26.20 242 P		P	Op	09 25 23.3	+2.7
		comp=Z,1.4nm,0.8s,baz=114,slow=19,SNR=2.8					
BBOO	Bucklebo	30.97 242 P		P	Op	09 26 02.3	-0.9
AS31	Alice Springs	32.20 260 P		P	Op	09 26 12.8	-1.3
ASAR	Alice Springs	32.20 260 P		P	Op	09 26 14.2	+0.1
ASAR	Alice Springs	32.20 260 P		P	Op	09 26 15.7	+1.5
		comp=Z,0.8nm,0.6s,baz=85,slow=9.5,SNR=14					
WB0	Warramunga Arr	32.21 267 P		I Amb	Op	09 26 13.9	-0.4
WB0	Warramunga Arr	32.21 267 P		I Amb	Op	09 26 20.9	
WB2	Warramunga Arr	32.22 267 P		I Amb	Op	09 26 13.9	-0.4
WB2	Warramunga Arr	32.22 267 P		I Amb	Op	09 26 30.4	
WRA	Warramunga Arr	32.23 267 P		P	Op	09 26 14.3	-0.1
WRA	Warramunga Arr	32.23 267 P		P	Op	09 26 14.9	+0.5
		comp=Z,0.4nm,0.6s,baz=98,slow=8.4,SNR=8.7					
MTN	Manton Dam	36.99 278 P		P	Op	09 26 55.1	-0.4
MTN	Manton Dam	36.99 278 P		I Amb	Op	09 27 10.0	
QSPA	South Pole Ous	68.21 180 P		P	Op	09 30 47.4	+1.1
QSPA	South Pole Ous	68.21 180 P		I Amb	Op	09 30 55.6	
QSPA	South Pole Ous	68.21 180 P		P	Op	09 30 46.6	+0.3
		comp=Z,2.6nm,1.1s,baz=112,slow=0.7,SNR=7.5					
BELA	Belgrano 2	79.54 175 P		I Amb	Op	09 31 52.2	-0.1
		comp=Z,1.6nm,0.9s					
SNA	Sanae	86.55 183 P		P	Op	09 32 28.5	-0.2
		comp=Z,1.5nm,1.1s,baz=169,slow=5.2,SNR=3.0					
		comp=Z,1.5nm,1.1s					
SOMN	Songino Array	89.07 323 P		P	Op	09 32 41.9	+0.8
		comp=Z,0.8nm,0.8s,baz=111,slow=3.3,SNR=4.2					
NVAR	Nova Array Bea	90.81 49 P		P	Op	09 32 48.3	-1.3
		comp=Z,0.5nm,0.6s,baz=222,slow=8.3,SNR=6.5					
CLL	Collin	145.09 333 P		ePKPbc	Op	09 39 22.0	

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SNA, VNA3, LZH, VNA2, VNA1, ZALV, MKAR, KURBS, BVAR, ARCES, FINES, HFS, AKAS, SORM, KWP, TFLR, TESR, BRTR, STHS, KOL, TPGR, NIE, CRVS, VRI, FLOR, TRPA, OSTC, UPC, DKC, MROC, MLCR, MOR, PVCC, KECS, MAUC, HSKK, MMAI, MARR, VOIR, PRU, VRAC, YVHS, JAVS, ARR, KRUC, LOT, ZVC, MODS, KHC, GZR, SURR, BGES, GERES, CONA, RONA, BOVS, KBA, WATA, WTTA, MYKA, SQT, ABTA, FETA, TORD, UGM.

DJA 08 10:33:39.0±1.7, 6°S, 3°10'2E, h32km, 16km, M4.3/14, mb4.7, mB5.2, MLV4.3/14, Mw(mB)4.6/2, Southwest of Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SPN, NLN, RUS, RUS, DALK, DALK, KDTR, PET, PET, MTRV, UGLR, SFLR, SMAR, GRL, GRL, AVH, KRER, ASAK, KKM, KMRM, KRX, GNL, GNL, APC, TUMD, TUMR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KMMR, BZP, BZGR, BZMR, KIRN, KPT, ESO, KBR, KLY.

STR 08 10:40:22.7±0.3, 50°N, 3°12'E, h0km, MLV4.1/38, Error ellipse: s-maj=0.0km s-min=0.0km az=12.9, preliminary, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JSA, HMN, RENF, ELSH, MENF, ROSE, SWNI, DYA, HTL, MCH, CAM, SMT, CCF, MIF, DOR, LOU, RCHB, PYM, LBL, CIEL, MONQ, ECH, ABH, WLF, CMF, MOF, GIMEL, BOURR, OGS, KIZ, FELD, BALST, ESK, RUS, CSF, SLE, EALK, REMY, ORIF, ATE, MTLF, CANS, MNS, RLL, TRAV, CREF, PZZ, ENAX, TUG, GBOS.

IDC 08 10:53:04.6±1.0, 82°32'N, 6°20'W, h0km, mb3.5/6, mbmp3.7/9, ML3.8/3, MS3.8/51, Error ellipse: s-maj=3.17km s-min=18.9km az=43.0

NEIC 08 10:53:07.1±1.2, 82°00'N, 08°16'W, h10km, 1km, mb4.2/10, Error ellipse: s-maj=19.3km s-min=7.6km az=20

BER 08 10:53:08.2±1.7, 82°26'N, 5°74'W, h14km, 22km, mb(Pn)4.0, Confirmed Earthquake

DNK 08 10:53:08.6±2.4, 82°21'N, 5°64'W, h27km, 24km, ML 2.4, GCMT 08 10:53:08.1±0.3, 82°40'N, 05°6'W, h17km, 1km, MW4.8/77, Moment Tensor Solution. s14, c18; s77, c93; Duration: 0 Moment tensor: Scale 10^10Nm; Mr: 1.55; 16; Mw: 0.17; 10; Mw: 1.67; 11; Mw: 0.31; 35; Mw: 0.04; 07; Mo: 0.26; 24; Best double couple: M: 6.640000; 1016; NP1: 170.000000; 851.000000; -1.105.000000; NP2: 13.000000; 842.000000; -1.72.000000; Principal axes: T 1.6910, P195.0000, Azm270.0000; N -0.0480; P195.0000; Azm179.0000; P -1.6360, P197.0000; Azm22.0000; nst1 refers to body waves, cutoff=40s; nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 08 10:53:06.0±0.6, 82°10'N, 06°57'W, h0km, 10km, nB6, n186/51, mb4.1/14, MS3.8/48, 2C, North of Svalbard

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NOR, KBS, KBS, BRBA, SPAO, SPB2, DAG, DAG, DAG, HSPB, HSPB, ZF12, OMEGA, HOPEN, HOPEN, NEEM, NEEM, NEEM, SUMG, SUMG, ARCES, ARCES, ARCES.

8d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RES, RES, RES, SFJD, SFJD, A36M, A36M, FRB, TIXI, TIXI, C23K, C23K, INK, INK, INK, KIRV, G31M, G24K, G24K, YRU, YRU, ARU, ARU, H21K, H21K, I23K, I23K, ILAR, ILAR, ILAR, SCHO, AKAS, BELG, GERES, SKT, SKT, HYT, HYT, M17K, BVAR, DLBC, ZALV, AKZO, MA2, KDAA, KURBS, KURBS, KURBS, KBZ, BBB, SADO, MKAR, BRTR, GNI, NEW, SONM, SONM, ULR, ULR, IDI, GEYT, PDAR, PDAR, YBH, ELK, ASAJ, TKT, NVAR, ANMO, KSRS, PFO, LPIG, TORD, CMIG, CMAR, CMAR, SDV, JTS, MDP, ROSC, PALK.

IDC 08 10:54:12.0±2.0, 43°44'N, 82°72'E, h0km, mb3.5/1, mbmp3.5/4, ML2.7/3, Error ellipse: s-maj=45.6km s-min=15.7km az=70.0

NNC 08 10:54:18.8±1.4, 43°61'N, 82°68'E, h0km, mb4.1, mpv3.9, Error ellipse: s-maj=13.9km s-min=5.5km az=142.0

SOME 08 10:54:19.2±4.3, 65°24'N, 82°58'E, h5km, ISC 08 10:54:14.6±1.3, 43°45'N, 83°18'E, h10km, nB8, n187/63, 7C-5D, Northern Xijiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KTM5, KTM5.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KTMS, DJR, PDGK, SHLS, UZB, KPKS, MK31, MAKZ, BLB, ZHN, SATY, KURS, TDK, ARXS, ZSN, CHKK, CHKK, KNDK, TNSS, KTBS, IZV, and KUU.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KUU, KST, DGS, KRBS, TKM2, SGDS, SEM, MRKS, KURBB, KK31, ZALV, WRA, CMAR, PALK, H08S3, H08S2, H08S1, SONM, GEYT, KURBB, ZALV, WRA, ASAR, H04N2, H04N1, H04N3, H04S1, H04S2, H04S3, HFS, NEIC 08, NEIC 09, NEIC 10, and NEIC 11.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BLOK, OK051, ADOK, OK031, QUOK, OK030, OK032, KAN13, KAN14, KAN17, KAN09, KAN05, DEOK, KAN10, KS21, KS22, T35A, T35B, T35C, U32A, U32B, U32C, TUL3, ELIS, WMOK, RLO, LOOK, R32A, R32B, X37A, SMWD, U38A, U38B, WTFS, HHAR, KSU1, Z35A, Z35B, CBKS, FW03, FW06, PLPT, FW07, APMT, S39A, AMTX, AMTX, MIAR, MIAR.

MIAR	baz=300	S	Sg	11 49 11.5	-1.9	ECSD	comp=Z,51nm,0.9s	7.49	5	Pn	Pn	11 49 04.7	-0.9	AC01	comp=N,3um,0.5s		IAML		11 51 34.8	
MIAR	baz=300	P	Pn	11 48 13.9	+1.0	L40A	EROS Data Cent	7.58	38	Pn	Iamb_Lg	11 49 06.5	-0.3	PB02	IPOC Station P	2.72 346	eP	Pn	11 51 00.2	+0.4
MIAR	baz=300,SNR=95	S	Sz	11 48 57.3	+0.9	L40A	Anamosa					11 51 22.1		PB02	IPOC Station P	2.72 346	eS	Pn	11 50 59.2	-0.6
Z38A	mt=300	Pn	Pn	11 48 13.1	+0.1	ALPN	Alpine	7.79	223	Pn	Iamb_Lg	11 49 09.3	-0.6	PB02	IPOC Station P		eS	Pn	11 51 35.7	+3.8
Z38A	mt=300	Pn	Pn	11 48 13.1	+0.1	ALPN	Alpine					11 51 34.1		PB02	IPOC Station P		IAML		11 51 50.6	
TREL	Trell	3.73	161	Iamb_Lg		146A	Union	7.88	115	Iamb_Lg		11 51 44.7		PB02	IPOC Station P	2.72 346	eP	Pn	11 50 59.9	+0.1
U40A	Yellville	3.78	87	P	Pn	146A	Union					11 51 44.7		PB01	IPOC Station P	2.93 355	i/S	Pn	11 51 32.9	+1.0
U40A	baz=270,SNR=14	P	Pn	11 48 15.2	+0.6	MNTX	Cornudas Mount	7.96	237	Pn	Pn	11 49 12.9	+0.9	PB01	IPOC Station P	2.93 355	eS	Pn	11 51 02.2	-0.5
DKNS	Dickens	3.81	228	Iamb_Lg		PHWY	Pilot Hill	7.97	311	Iamb_Lg		11 51 40.7		PB01	IPOC Station P		eS	Pn	11 51 29.0	-8.0
FW16	Wasahatchie	3.82	172	Iamb_Lg		Y22D	IRIS PASCALL I	8.00	257	Iamb_Lg		11 51 45.5		PB01	IPOC Station P	2.93 355	eP	Pn	11 51 45.4	
FW16	baz=270,SNR=14	P	Pn	11 48 15.2	+0.6	SMCO	Snowmass	8.03	294	Iamb_Lg		11 51 42.3		PATCX	Punta Patache	3.26 344	Pn	Pn	11 51 06.0	-1.1
FW14	Alvarado	3.88	176	Iamb_Lg		N23A	Red Feather La	8.04	308	Iamb_Lg		11 51 38.5		PATCX	Punta Patache	3.26 344	eP	Pn	11 51 06.0	-1.1
FW13	Cleburne	3.91	179	Iamb_Lg		833A	Chaparral WMA	8.08	192	Iamb_Lg		11 51 43.2		PATCX	Punta Patache		IAML		11 51 57.2	
ABTX	Abilene, Hawle	4.04	206	Iamb_Lg		SUSD	Miller	8.23	353	Iamb_Lg		11 51 41.4		SLA	San Lorenzo	3.45 103	eP	Pn	11 51 13.3	+3.5
RTBA	Rita Bland	4.21	274	Iamb_Lg		425A	Indio Mountain	8.29	231	Iamb_Lg		11 51 49.4		TA01	Diego Arcena	3.51 345	eP	Pn	11 51 09.2	-1.3
X40A	Basin Creek Fa	4.23	114	Iamb_Lg		TX31	Lajitas Ar. Si	8.63	218	Pn	Pn	11 49 20.9	-0.5	TA01	Diego Arcena	3.51 345	eS	Pn	11 51 04.8	-1.0
WHTX	Lake Whitney	4.27	179	P	Pn	TX32	Lajitas Array	8.63	218	Pn	Pn	11 49 20.3	-1.1	TA01	Diego Arcena		IAML		11 52 04.8	
WHTX	Lake Whitney	4.27	179	P	Pn	TX32	Lajitas Array	8.63	218	Pn	Pn	11 49 20.3	-1.1	AC06	Mina Casimiro	3.53 197	Pn	Pn	11 51 10.1	-0.6
WHTX	Lake Whitney	4.27	179	P	Pn	TX32	Lajitas Array	8.63	218	Pn	Pn	11 49 20.3	-1.1	GO03	Copiap	3.72 194	eP	Pn	11 51 12.9	-0.5
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	GO03	Copiap	3.72 194	eS	Pn	11 51 12.3	-1.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	GO03	Copiap	3.72 194	eP	Pn	11 52 03.2	+7.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	AZAP	Zapla	3.79 95	eS	Pn	11 51 17.2	+2.8
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eP	Pn	11 51 14.8	-0.2
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 51 14.8	-0.2
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218	Pn	Pn	11 49 20.3	-1.1	PB08	IPOC Station P	3.81 1	eS	Pn	11 52 07.0	+8.1
WHTX	Lake Whitney	4.27	179	P	Pn	TXAR	Caspe	8.63	218</											

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ITTB Iaituba, SGCB SGO Gabriel d, JAMB Januaria, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like MOPA Mopani, MOPF A, MOPB Mopani, etc.

TRN 08 12:59:10.2, 18.97N:63.81W, h23km, M3.7
RSPPR 08 12:59:13.5, 18.91N:63.84W, h96km, 22km, MD3.7/8
NEIC 08 12:59:18.4, 1.7, 18.1N:0.1:64.0W:0.04, h35km, 2km,
CPBP ML3.5/20, MD3.7/8(RSPR), Error ellipse: s-maj=21.5km
s-min=5.5km az=11.0

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like SMRT St. Maarten, SABA Saba, SJG San Juan, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like SJG San Juan, MBFL Flemmings, Mon, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like OBIP Obispado Ponce, ANBD Bethesda, Anti, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like AOPR Arecibo Observ, AOPR Arecibo Observ, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ABD La Joyeuse, An, ABD La Joyeuse, An, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like CBE Ff, Capester, GDSO La Desirad Is, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like MAGL Barre de l'ile, MAGL Barre de l'ile, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ANF 08 13:25:10.0, 9.31:84N:116.30W, h2km, 4km, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ESJX Sierra Juarez, ESJX Sierra Juarez, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like TJGJ Tijuana, TJGJ Tijuana, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like TKX Tecate, TKX Tecate, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like YUH Yuhu Desert, YUH Yuhu Desert, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like DUZA Dutzura, DUZA Dutzura, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like BAR Barrett, BAR Barrett, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like TJX Tijuana, TJX Tijuana, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like OLP Otay Lakes Par, OLP Otay Lakes Par, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like SDRS San Diego Road, SDRS San Diego Road, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like SWSC Sam W. Stewart, SWSC Sam W. Stewart, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like IMPE Imperial, IMPE Imperial, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like CTW Cottonwood Mou, BACC Bachelor Mtn, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like HMTO Hemet, HMTO Hemet, etc.

NIED 08 13:30:10.2, 31.67N:139.29E, h13km, MW3.6, Moment
Tensor Solution, s3 Moment tensor: Scale 10^14Nm
Min-1.51; Mxx0.03; Mxx1.48; Mxx-0.55; Mxx-2.49; Mxx-0.17;
Fault plane solution: M2:8000x10^14 NP1:
phi=105.00000°, delta=67.00000°, lambda=151.00000°. NP2:phi=2.00000°,
delta=63.00000°, lambda=26.00000°.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like JAOM Aogashimamukai, JAOM Aogashimamukai, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like MK31 Makanchi Array, MK31 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like PDGK Podgornoye, PDGK Podgornoye, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like KURBB Kurchatov Arra, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like BBSI Bau Bau, BBSI Bau Bau, etc.

8d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLAI Plampang, SWSI Salwaga, TANI Talang, BNDI Bandanaira, etc.

IDC 08 15:07:17.4, 4.9, 64.95S, 179.41W, h0km, mb3.6/3, mbtmp3.7/4, ML4.1, MS3.7/16, Error ellipse: s-maj=156.4km s-min=27.1km az=68.0, Pacific-Antarctic Ridge

Main table for 8d 15h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations and their associated data.

IDC 08 15:19:28.4, 1.6, 2.88N, 96.99E, h0km, mb3.8/8, mbtmp3.8/9, MS2.6/2, Error ellipse: s-maj=84.0km s-min=16.7km az=55.0

DIA 08 15:19:34.0, 0.4, 3.3N, 97.97E, h10km, M4.1/8, MLv4.1/8 ISC 08 15:19:32.5, 0.9, 3.02N, 0.06E, 97.3E, 0.1, h10km, m20, e=22/15, mb4.0/10, Northern Sumatara

Continuation of the main table for 8d 15h, listing stations like KCSI Kotacane, MSLI Meulaboh, GSI Gunungsitoli, etc.

2017 NOV

baz=53,slow=75,SNR=15
IDC 08 15:28:20.9, 0.8, 15.00N, 94.01W, h0km, mb4.3/17, mbtmp4.3/19, ML4.4/2, MS3.5/20, Error ellipse: s-maj=30.6km s-min=14.3km az=61.0

NEIC 08 15:28:23.2, 2.1, 14.39N, 0.07E, 94.23W, 0.05, h10km, 1km, mb4.6/17, M4.6/4, MS3.4/17, Error ellipse: s-maj=11.4km s-min=8.0km az=191.0

MEX 08 15:28:25.9, 1.7, 14.91N, 94.23W, h9km, 32km, M4.6 ISC 08 15:28:26.1, 0.6, 14.31N, 0.05E, 94.29W, 0.03, h3km, 2km, n236, 1209/262, mb4.5/51, MS3.4/16, Off coast of Chiapas

Main table for 2017 NOV with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PCIG, CARR, NIIT, THIG, etc.

Main table for 2017 NOV (continued) with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like JCT Junction City, SAND Sanderson, TX31 Lajitas Arr, etc.

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Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
ATAH	Atahualpa	26.98	143	LR	15 43 24.9	
SJG	San Juan	27.15	79	LR	15 45 07.9	
HMU	Henry Mountain	27.18	331	P	15 34 06.6 -0.1	
PFO	Pinyon Flats 0	27.31	317	LR	15 46 35.8	
P17A	Butcher Ranch	28.42	33	P	15 34 18.4 +0.8	
PCRV	Puerto La Cruz	29.31	96	LR	15 47 48.4	
PDAR	Pinedale Array	30.71	338	P	15 34 38.2 +0.2	
PDAR				LR	15 49 34.1	
NVAR	Mina Array Bea	31.59	322	P	15 34 46.8 +1.0	
NVAR	Mina Array Bea	31.59	322	P	15 34 48.0 +2.2	
NVAR				LR	15 49 15.6	
REDW	Red Top Meadon	31.71	337	P	15 34 48.4 +1.6	
SNOW	Snow King Moun	31.76	337	P	15 34 48.2 +1.0	
LOHW	Long Hollow	31.83	337	I Amb	15 34 48.9 +1.1	
LOHW				I Amb	15 34 59.8	
TPAW	Teton Pass	31.86	337	P	15 34 49.4 +1.3	
TPAW				I Amb	15 35 00.9	
MOOV	Moose Ponds	32.00	337	P	15 34 49.1 -0.2	
HLID	Hailey	33.34	333	P	15 35 01.2 +0.2	
WVOR	Wild Horse Val	34.52	327	P	15 35 10.5 -0.7	
WVOR				I Amb	15 35 25.6	
ULM	Lac du Bonnet	35.27	358	P	15 35 16.7 -0.7	
ULM				LR	15 52 53.6	
LYMT	Lyon Mountain	35.32	339	P	15 35 17.9 -0.3	
CHMT	Chamberlain Mo	35.62	338	P	15 35 21.0 +0.3	
YBHF	Yreka Blue Hor	36.30	323	LR	15 51 21.0	
ETMB	Extrema	37.12	130	P	15 35 32.6 -1.0	
ETMB				I Amb	15 35 34.5	
NEW	Newport	38.23	335	LR	15 54 25.8	
SAML	Samuel	38.89	126	P	15 35 47.1 -1.4	
LPZA	La Paz	40.05	139	P	15 36 01.3 0.0	
MDP	Montagnes des	42.08	99	LR	15 55 52.8	
LVC	Limon Verde	44.81	146	LR	15 54 37.8	
SCHO	Schefferville	45.12	125	LR	15 57 18.0	
PTLB	Pontes e Lacer	46.00	129	P	15 36 45.5 -0.9	
PTLB				I Amb	15 36 46.3	
YKA	Yellowknife Ar	49.66	348	P	15 37 13.3 -0.7	
CPUP	Villa Florida	54.51	138	P	15 37 49.6 -1.1	
BDFB	Brasilia	54.88	122	P	15 37 52.6 -1.0	
HIN	Hinchinbrook I	58.94	333	P	15 38 22.9 +1.3	
INK	Inuvik	58.96	344	P	15 38 21.1 -0.5	
INK				I Amb	15 38 33.5	
K27K	Chicken	58.97	338	P	15 38 22.2 +0.4	
K27K				I Amb	15 38 39.9	
H29M	Whitestone	58.98	341	P	15 38 22.1 +0.2	
H29M				I Amb	15 38 36.7	
G29M	Pine Creek	59.31	342	P	15 38 23.9 -0.2	
G29M				I Amb	15 39 03.1	
PLCA	Paso de la Pasa	59.58	159	P	15 38 26.7 +0.3	
GHO	Glory Hole Cre	60.60	334	P	15 38 34.1 +0.9	
IL31		61.14	337	P	15 38 36.2 -0.5	
IL31				I Amb	15 38 48.8	
ILAR	Eielson Array	61.14	337	P	15 38 36.6 -0.1	
ILAR				LR	16 06 22.2	
SUA	Susitna One	61.27	333	P	15 38 38.1 +0.3	
RND	Rendell	61.28	335	P	15 38 38.5 +0.7	
EMAR	Burnt Mountain	61.69	340	P	15 38 39.9 -0.5	
MDM	Murphy Dome	61.74	337	P	15 38 40.5 -0.3	
MDM				I Amb	15 39 15.3	
SKT	Skwentna	61.81	333	P	15 38 41.6 +0.3	
TRF	Thorofare Moun	61.88	335	P	15 38 42.2 +0.3	
I23K	Minto, Yukon-K	62.25	337	P	15 38 44.3 +0.2	
I23K				I Amb	15 38 45.5	
M20K	Styx River	62.48	333	P	15 38 45.5 -0.3	
CAS1	Castle Rocks	62.49	335	P	15 38 46.1 +0.5	
H23K	Yukon River	62.62	338	P	15 38 46.8 +0.1	
H23K				I Amb	15 39 05.9	
MLY	Manley	62.73	337	P	15 38 47.4 0.0	
MLY				I Amb	15 38 48.5	
M19K	Big River Lodg	63.05	333	P	15 38 49.9 +0.3	
M19K				I Amb	15 38 52.7	
G23K	Bananza Creek	63.19	338	P	15 38 50.5 0.0	
G23K				I Amb	15 39 02.0	
PPT	Papeete	63.36	241	LR	16 00 11.2	
K20K	Telida	63.41	334	P	15 38 51.6 -0.3	
TOLK	Toolik Lake Re	63.92	340	P	15 38 55.0 -0.3	
J19K	Poorman	64.28	335	P	15 38 57.5 -0.2	
F21K	Alatina River	64.64	338	P	15 39 00.7 +0.6	
C23K	Itkiklik River	64.81	341	P	15 39 01.5 +0.6	
D22K	Ayikyak River	65.05	340	P	15 39 02.1 -0.5	
F20K	Avaraat Lake	65.39	338	P	15 39 05.4 +0.6	
SUMG	Summit	65.96	16	P	15 39 07.8 -1.1	
J16K	Anvik River	66.20	333	P	15 39 10.8 +0.8	
B20K	Meade River	66.94	341	P	15 39 15.2 +0.6	
EKA	Eskdalemuir Ar	78.53	36	P	15 40 21.8 -1.9	
ESDC	Sonsec Array	80.89	51	P	15 40 35.1 -1.9	
NB2	NORSAR Subarra	84.40	28	P	15 40 54.8 0.0	
NOA	NORSAR Array B	84.40	28	P	15 40 54.4 -0.4	
HFS	Hagfors	85.87	29	P	15 41 01.5 -0.6	
ARCES	ARCESS Array B	85.97	18	P	15 41 00.4 -2.0	
DBIC	Dimbokro	87.76	84	P	15 41 11.3 -0.9	
GERES	GERESS Array B	90.30	39	P	15 41 24.1 +0.5	
FINES	FINES Array B	90.61	24	P	15 41 24.8 +0.1	
MLR	Muntele Rosu	92.25	38	LR	16 26 38.7	
WRA	Warramunga Arr	133.46	257	PKP	15 47 39.7 +0.1	
ASAR	Alice Springs	133.87	251	PKP	15 47 40.1 -0.2	
PZH	PanZhiHua	135.99	339	PKP	15 47 47.2 +1.2	
CMAR	Chiang Mai Arr	144.38	338	PKP	15 47 57.7 +0.1	

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SCB	08 15:39:40.1-0.8, 16:28S:60:07W, h23km, 4km, ML3.2/1, MW3.6, Error ellipse: s-maj=3.0km s-min=2.1km az=1.0					
VAO	08 15:39:41.8, 16:21S:60:12W, h0km, 11km, mBR3.3					
ISC	08 15:39:41.5-0.8, 16:26S:0:04:60:05W, 0.06, h10km, n25, e171/30, Central Bolivia					
BIV	San Ignacio	1.01	285	Op	15 39 58.8 -2.4	
SSD	Serra de San D	1.07	210	Pg	15 40 00.4 -1.7	
BBSD	Serra de San D	1.07	210	eP	15 40 00.8 -1.3	
BBSD				eS	15 40 14.2 -1.8	
PTLB	Pontes e Lacer	1.19	48	Pg	15 40 03.2 -1.1	
PTLB	Pontes e Lacer	1.19	48	eP	15 40 03.6 -0.7	
BRRB	Robore, Bolivi	2.02	173	Pg	15 40 17.9 -0.6	
BRRB				Sg	15 40 45.1 -1.5	
BRRB				IAML	15 40 46.7	
BRRB	Robore, Bolivi	2.02	173	eP	15 40 18.0 -0.4	
BRRB				eS	15 40 44.3 +0.6	
VILB	Vilhena	3.29	358	Pn	15 40 35.6 +2.4	
VILB	Vilhena	3.29	358	eP	15 40 35.4 +2.2	
SALV	Santo Antonio	4.21	86	eP	15 40 47.6 +1.9	
PP1B	Ponte de Pedra	5.13	106	eS	15 40 59.4 +0.9	
PP1B				eS	15 40 18.9 -0.4	
AOEA	Aiquile	5.31	248	Pn	15 41 03.3 +2.1	
PDRB	Porto dos Gac	5.63	35	eP	15 41 05.7 +0.2	
SOET	ToroToro	5.80	251	Pn	15 41 10.1 +2.0	
CLDB	Colider	6.75	238	eP	15 41 22.7 +1.7	
CLDB				eS	15 40 38.1 +0.1	
MOCB	Mochara	7.26	26	Pn	15 41 30.1 +2.0	
BBOE	La Paz, Chanca	7.62	265	Pn	15 41 35.2 +1.9	
LPZA	La Paz	7.76	269	Pn	15 41 36.9 +1.7	
LPZA	La Paz	7.76	269	eP	15 41 36.7 +1.6	
GEOE	Opoqueri	7.82	252	Pn	15 41 38.9 +2.1	
VJA	Yacaja	7.83	249	Pn	15 41 37.8 +1.9	
SAMEL	Jacaca	7.83	264	Pn	15 41 38.2 +2.1	
SAMEL	Samuel	7.88	337	eP	15 41 34.6 -1.7	
ETMB	Extrema	8.77	316	Pn	15 41 50.7 +2.1	
ETMB	Extrema	8.77	316	eP	15 41 46.0 -2.6	
KRSC	08 15:41:39.7-2.0, 55:27N-166:27E, h40km, 10km, MI3.5, Komandorsky Islands region					
BKI	Bering	0.18	250	eS	15 41 52.3 +0.3	
KBTR	Kruzoberegovo	2.17	297	eP	15 42 13.8 +0.6	
BZOR	Bezmyanniy-Gr	3.23	284	eS	15 42 31.1 +3.2	
BZOR				eS	15 43 10.1 -0.9	
BZWR	Bezmyanniy-Lo	3.35	284	eP	15 42 33.2 +3.6	
TUMD	Tumrok D	3.36	271	eP	15 42 33.6 +4.0	
TUMD				eS	15 43 14.7 +6.4	
KMRM	Kamenistaya	3.46	281	eP	15 42 36.6 +5.5	
KPT	Koytlo	3.50	284	eP	15 42 35.5 +3.9	
TUMR	Tumrok	3.50	273	eP	15 42 36.6 +4.9	
SRDR	Sredinnyy	3.84	289	eP	15 42 39.6 +3.2	
SPN	Mys Shipunski	4.26	242	eS	15 43 34.5 +4.1	
NLC	Nalychchevo	4.57	246	eS	15 43 44.0 +6.0	
SDLR	Shkolovna	4.76	248	eP	15 42 53.4 +4.4	
SMAR	Somov	4.81	248	eP	15 42 55.4 +4.7	
KRER	Koryakski	4.82	249	eP	15 42 55.4 +4.6	
UGLR	Uglovaya	4.83	249	eP	15 42 55.1 +5.3	
AVH	Avachya	4.85	248	eP	15 42 55.1 +5.0	
KRX	Arik	4.85	250	eP	15 42 54.9 +4.7	
KOK	Koyaka	4.89	249	eP	15 42 54.9 +4.7	
DALX	Dalny	4.95	246	eP	15 42 55.9 +4.5	
DALX				eS	15 43 51.2 +3.9	
KRMR	Karymshinskyy	5.38	246	eP	15 43 01.5 +4.2	
KRMR				eS	15 44 01.9 +4.1	
RUS	Russkaya	5.39	241	eP	15 43 01.7 +4.2	
ASAK	Asacha	5.73	243	eP	15 43 07.3 +5.3	
KDTR	Khodutka, Kamc	5.98	238	eS	15 44 15.6 +2.9	
JMA	08 15:52:07.1-0.1, 24°N, 122°E, h80km, 1km, MV1.8/10, NW OFF ISHIGAKIJIMA IS					
TAP	08 15:52:08.1, 24°59N, 122°97E, h68km, ML2.5, D					
ISC	08 15:52:08.2-1.4, 24°50N, 123°02E, h73km, n25, e172/124, Southwestern Ryukyu Islands					
YOJ	Yonaguni jima	0.03	194	P	15 52 18.5 -0.1	
YOJ				S	15 52 26.8 +0.5	</

FLN	comp=Z,1.1nm,0.4s	eSg	Sg	16 43 21.2	-5.2
LPL	La Plagne	5.36 181 ePn	Pn	16 41 59.6	+0.6
LPL	comp=Z,1.1nm,0.3s	eSg	Sg	16 43 27.5	-4.2
LPG	La Plagne	5.38 181 ePn	Pn	16 41 59.8	+0.5
LPG	comp=Z,0.9nm,0.3s	eSg	Sg	16 43 27.4	-4.9
TCF	Toux Ste Croi	5.52 216 ePn	Pn	16 42 01.4	+0.4
ABTA	Abfattersbach	5.57 136 i Pn	Pn	16 42 05.1	+3.4
GRR	Gorron	5.59 247 ePn	Pn	16 42 02.2	+0.3
GRR	comp=Z,0.5nm,0.1s	eSg	Sg	16 43 33.8	-5.3
KBA	Koelnbreinsper	5.71 129 ePn	Pn	16 42 07.3	+3.5
KBA	comp=Z,1.5nm,0.4s	eSn	Sn	16 43 09.2	+0.3
ORIF	Oris-en-Rattie	5.99 187 ePn	Pn	16 42 07.0	-0.5
ORIF	Oris-en-Rattie	5.99 187 ePg	Pg	16 42 31.1	-3.4
ORIF	comp=Z,3.0nm,0.5s	eSg	Sg	16 43 47.2	-4.8
MBDF	Montbardon	6.15 181 eSg	Sg	16 43 51.0	-6.0
MFF	Saint Martin d	6.29 230 ePn	Pn	16 42 11.0	-0.6
MFF	comp=Z,1.1nm,0.3s	eSg	Sg	16 43 18.0	-5.0
MFF	comp=Z,6.4nm,0.5s	eSg	Sg	16 43 55.9	-5.8
KRUC	Moravsky	6.42 103 eSg	Sg	16 43 58.5	-7.2
VRAC	Vranov	6.46 100 eSg	Sg	16 43 59.3	-7.8
SGMF	Saint Gilles	6.66 250 eSg	Sg	16 44 07.2	-6.0
ROSF	Rostrenen	7.05 253 ePn	Pn	16 42 21.6	-0.4
ROSF	comp=Z,2.7nm,0.3s	eSn	Sn	16 43 38.3	-3.3
ROSF	comp=Z,3.2nm,0.4s	eSg	Sg	16 44 20.9	-5.0
QUIF	Quistinic	7.17 250 ePn	Pn	16 42 23.4	-0.2
QUIF	comp=Z,3.3nm,0.3s	eSn	Sn	16 43 40.1	-4.4

SOME 08 16:44:54.2,39.45N;71.47E,h15km
KRNET 08 16:44:58.2,0.1,39.60N;71.45E,h11km,mb3.3
NINC 08 16:45:00.3,0.3,39.64N;71.46E,h0km,mb3.3,mpv3.3
Error ellipse: s-maj=23.9km s-min=14.7km az=178.0
ISU 08 16:45:01.5,39.65N;71.36E,h17km
ISC 08 16:44:59.0,1.2,39.58N;0.003;71.45E;0.02,h0km;10km,
n61,c1564/94,32C-12D,Tajikistan

Code	Station Name	Δ° AZ°	Phase ID	ISC Op	Time h m s	Res h m s
DRK	Karamyk	0.29 110	ePn	Pg	16 45 04.1	-0.4
DRK	baz=13		eS	Sg	16 45 08.4	+0.2
BTK	Batken	0.68 315	iP	Pn	16 45 11.1	-1.0
BTK	baz=13		iS	Sg	16 45 20.0	-0.9
BTK	Batken	0.68 315	P	Pg	16 45 11.2	-0.9
BTK	baz=13		S	Sg	16 45 20.0	-0.9
CHMI	Chimion	0.69 5	P	Pg	16 45 12.1	-0.1
CHMI	baz=13		S	Sg	16 45 12.1	-0.1
CHMI	Chimion	0.69 5	S	Sg	16 45 21.3	+0.1
CHMI	baz=13		S	Sg	16 45 21.3	+0.1
FRG	Fergana	0.83 18	P	Pb	16 45 16.0	-0.3
FRG	baz=13		S	Sg	16 45 27.4	-0.7
FRG	Tashata	1.27 38	S	Sb	16 45 40.2	-0.5
TSYA	Andizhan	1.36 30	S	Sb	16 45 26.8	+1.5
ANR	Osh	1.39 47	eP	Pg	16 45 45.8	+1.7
ANR	baz=48		iS	Sg	16 45 24.3	-1.4
OHH	Osh	1.39 47	iS	Sg	16 45 42.8	-0.9
OHH	baz=48		iS	Sg	16 45 42.8	-0.9
NAM	Namangan	1.42 6	P	Pb	16 45 27.6	+1.3
NAM	baz=75		S	Sg	16 45 46.8	+1.4
SFK	Sufi-Kurgan	1.64 74	iP	Pn	16 45 28.7	-0.5
SFK	baz=75		iS	Sn	16 45 51.1	0.0
TRKS	Terek-Say	1.96 353	iP	Pn	16 45 33.1	-0.5
TRKS	baz=54		iS	Sn	16 45 58.3	-0.7
ARSB	Arslanbob	2.10 33	iP	Pn	16 45 36.0	+0.5
ARSB	baz=34		iS	Sb	16 46 03.4	-1.2
YBZ	Yangibazar	2.23 321	P	Pg	16 45 41.5	-0.3
YBZ	baz=34		S	Sg	16 46 10.1	-0.6
ARK	Arkit	2.25 10	iP	Pn	16 45 38.1	+0.6
ARK	baz=10.0		iS	Sb	16 46 07.3	-1.6
CHMG	Chimgan	2.25 331	P	Pb	16 45 40.8	+0.2
CHMG	baz=10.0		S	Sg	16 46 09.8	+0.7
KUMR	Kumaryk	2.35 315	P	Pg	16 45 43.3	+0.3
KUMR	baz=10.0		S	Sg	16 46 14.2	-0.4
CHRV	Charvak	2.35 331	P	Pg	16 45 44.0	-0.1
CHRV	baz=10.0		S	Sg	16 46 14.7	+0.1
TGS	TashGRES	2.36 322	S	Sg	16 46 17.8	+3.1
YNGY	Yangiyul	2.40 310	P	Pg	16 46 16.5	+0.5
BKXML	Bakhtmal	2.64 273	S	Sg	16 45 50.3	+0.7
BKXML	baz=10.0		S	Sg	16 46 27.5	+3.6
IUG	Iuzhnay	2.78 338	Pg	Pb	16 45 49.4	-0.2
IUG	6.8nm,0.2s		Lg	Lg	16 46 28.8	
IUG	65nm,0.3s		eP	Pg	16 45 49.4	-0.2
IUG	luzhnay	2.78 338	eLg	Lg	16 46 28.8	
IUG	6.8nm,0.1s		eLg	Lg	16 46 28.8	
IUG	65nm,0.3s		eLg	Lg	16 46 28.8	
MNAS	Manas	3.01 15	iP	Pn	16 45 48.8	+0.8
MNAS	baz=15		iS	Sn	16 46 25.7	+0.8
AML	Almayashu	3.06 33	P	Pb	16 45 52.1	-2.5
AML	SNR=8.8		P	Pb	16 45 52.4	-2.2
AML	Almayashu	3.06 33	iPn	Pn	16 46 30.8	-1.8
AML	0.8nm,0.5s		iSn	Sb	16 46 30.8	-1.8
AML	3.4nm,0.5s		iSn	Sb	16 46 30.8	-1.8
AML	Almayashu	3.06 33	iP	Pn	16 45 49.7	+0.7
AML	baz=33		iS	Sn	16 46 27.3	+0.8
ARLS	Aral	3.15 43	eP	Pn	16 45 50.7	+0.7
ARLS	baz=43		iS	Sn	16 46 29.2	+0.8
MRKS	Merke	3.43 22	Pg	Pb	16 46 00.3	-0.4
MRKS	4.8nm,0.4s		Lg	Lg	16 46 47.9	
MRKS	42nm,0.4s		Lg	Lg	16 46 00.3	-0.4
MRKS	Merke	3.43 22	eP	Pg	16 46 00.3	-0.4
MRKS	4.7nm,0.2s		eLg	Lg	16 46 47.9	
MRKS	42nm,0.3s		eLg	Lg	16 46 47.9	
AGL	Agalyk	3.53 270	P	Pb	16 46 02.4	0.0
AGL	SNR=8.6		S	Sb	16 46 48.2	+2.3
EKS2	Erkin-Say	3.54 29	P	Pb	16 46 01.2	-1.4
EKS2	SNR=8.6		P	Pb	16 46 01.2	-1.4
EKS2	Erkin-Say	3.54 29	iP	Pn	16 45 56.2	+0.9
EKS2	baz=29		iS	Sn	16 46 38.5	+0.5
KK31	Karatay Array	3.59 349	iPn	Pn	16 45 58.2	+2.3
KK31	5.9nm,0.5s,ba=171,slow=12,SNR=19		iP	Lg	16 46 53.1	
KK31	21nm,0.5s,ba=169,slow=24,SNR=12		iP	Lg	16 46 53.1	
KKAR	Karatay Array	3.59 349	iP	Pn	16 45 56.7	+0.8
KKAR	baz=49		iS	Sn	16 46 39.2	+0.2
AAK	Ala-Archa	3.82 36	P	Pb	16 46 03.6	-3.8
AAK	SNR=5.8		P	Pb	16 46 00.1	+0.9
AAK	Ala-Archa	3.82 36	iP	Pn	16 46 45.3	+0.4
AAK	SNR=3.6		iS	Sn	16 46 01.6	+0.8
NRN	Naryn	3.93 60	iP	Pn	16 46 01.6	+0.8
NRN	baz=61		iS	Sn	16 46 47.4	-0.4

Code	Station Name	Δ° AZ°	Phase ID	ISC Op	Time h m s	Res h m s
FRU1	Bishkek	4.02 36	eP	Pn	16 46 03.0	+1.2
FRU1	baz=61		iS	Sn	16 46 49.8	+0.2
FRU1	Bishkek	4.02 36	eP	Pn	16 46 03.0	+1.2
FRU1	baz=36		iS	Sn	16 46 49.8	+0.2
KBK	Karagaybulak	4.05 40	P	Pn	16 46 07.0	+4.7
KBK	SNR=7.0		iP	Pn	16 46 03.3	+0.9
KBK	Karagaybulak	4.05 40	iP	Pn	16 46 03.3	+0.9
KBK	baz=40		iS	Sn	16 46 50.8	+0.2
PKMR	Pachkamar	4.07 257	P	Sb	16 46 55.8	-4.6
CHMS	Chumysh	4.22 35	iP	Pn	16 46 05.7	+1.1
CHMS	baz=35		iS	Sn	16 46 54.6	0.0
ZRB	Zarabog	4.30 251	S	Sn	16 46 55.5	-0.9
USP	Ospenovka	4.34 31	P	Pn	16 46 09.0	+2.9
USP	SNR=13		iP	Pn	16 46 07.3	+1.1
USP	Ospenovka	4.34 31	iP	Pn	16 46 07.3	+1.1
USP	baz=31		iS	Sn	16 46 57.3	-0.1
SGDS	Sogindy	4.54 31	Pg	Pb	16 46 20.6	+1.0
SGDS	3.2nm,0.3s		Lg	Lg	16 47 21.8	
TKM2	Tokmak 2	4.57 42	P	Pn	16 46 12.8	+3.2
TKM2	12km,0.6s		iP	Pn	16 46 12.7	+3.2
TKM2	Tokmak 2	4.57 42	iP	Pn	16 46 12.7	+3.2
TKM2	SNR=7.9		iLg	Lg	16 47 20.4	
TKM2	Tokmak 2	4.57 42	iP	Lg	16 47 20.4	
TKM2	8.7nm,0.5s		iS	Sn	16 46 10.7	+1.2
TKM2	Tokmak 2	4.57 42	iS	Sn	16 46 10.7	+1.2
TKM2	baz=42		iS	Sn	16 47 03.4	0.0
KST	Kastek	4.85 43	Pg	Pb	16 46 25.3	+0.5
KST	10nm,0.9s		Lg	Lg	16 47 30.5	
KST	Kastek	4.85 43	eP	Pg	16 46 25.3	+0.5
KST	2.2nm,0.6s		eLg	Lg	16 47 30.5	
KST	10nm,0.9s		eLg	Lg	16 47 30.5	
DGS	Degeres	4.89 40	Pg	Pb	16 46 27.4	+1.8
DGS	5.5nm,0.4s		Lg	Lg	16 47 34.0	
DGS	Degeres	4.89 40	eP	Pg	16 46 27.4	+1.8
DGS	8.6nm,0.9s		eLg	Lg	16 47 34.0	
DGS	5.5nm,0.4s		eLg	Lg	16 47 34.0	
KRBS	Karabastau	5.19 36	Pg	Pb	16 46 32.1	+1.5
KRBS	1.3nm,0.3s		Lg	Lg	16 47 42.2	
KRBS	Karabastau	5.19 36	eP	Pg	16 46 32.1	+1.5
KRBS	3.9nm,0.5s		eLg	Lg	16 47 42.2	
KRBS	1.3nm,0.3s		eLg	Lg	16 47 42.2	
IZV	Izvestkoviy	5.20 47	Pg	Pb	16 46 34.0	+3.2
IZV	3.8nm,0.3s		Lg	Lg	16 47 44.9	
IZV	Izvestkoviy	5.20 47	eP	Pg	16 46 34.0	+3.2
IZV	1.2nm,0.5s		eLg	Lg	16 47 44.9	
IZV	9.0nm,0.5s		eLg	Lg	16 47 44.9	
TNSS	Tian-Shan	5.39 48	eP	Pb	16 46 36.0	+1.8
TNSS	0.7nm,0.3s		eLg	Lg	16 47 48.4	
KPKS	Kokpek	6.67 52	Pg	Pb	16 46 59.5	+3.7
KPKS	0.7nm,0.3s					

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res. Includes stations like TYC, TWTF, WHYT, FULB, etc.

NEIC 08 18:04:49.6±1.6, 17.7S:0.2±178.5W:0.1, h579km, 15km, mb4.2/19, Error ellipse: s-maj=26.0km s-min=11.4km az=160.0

IDC 08 18:04:52.9±4.7, 17.45S:178.78W, h606km, 24km, mb3.3/3, mbtmp4.1/4, Error ellipse: s-maj=123.2km s-min=80.1km az=154.0

ISC 08 18:04:50.3±1.1, 17.6S:0.2±178.6W:0.1, h600km, n26, c0599/27, mb4.1/13, Fiji Islands region

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res. Includes stations like MSFV, PINAC, KOUNC, etc.

NOU 08 18:16:31.8, 21.64S:168.67E, h0km, MLV3.0/S, Loyalty Islands, Loyalty Islands

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res. Includes stations like PINNC, LIFOU, QUENC, etc.

IDC 08 18:19:45.0±7.1, 5.03N:125.15E, h72km, 79km, mb3.3/4, mbtmp3.7/5, ML3.4/1, MS3.7/1, Error ellipse: s-maj=118.7km s-min=17.5km az=71.0, Mindanao

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

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

JMA 08 18:24:39.5±0.5, 34°N:1°14'2"E, h30km, 4km, MD4.4/39, MV4.5/39, FAR SE OFF BOSE PEN

MOS 08 18:24:39.7±1.1, 34°26'N:142°01'E, h20km, mb4.8/37, Error ellipse: s-maj=11.3km s-min=5.3km az=122.0

NIED 08 18:24:39.5, 34°08'N:141°92'E, h30km, MW4.2, Moment Tensor Solution. s3 Moment tensor: Scale 1015N; Mrr:1.62; Mth:0.08; Mtt:1.70; Mtr:0.52; Mtr:0.39; Mtr:1.34;

Fault plane solution: M2.23000x1015 NPT:18.00000, 865.00000, 1.96.00000. NP2:185.00000, 325.00000, 1.78.00000.

BUI 08 18:24:39.6±0.0, 34°30'N:141°71'E, h13km, mb4.5/49, MV4.6/29, Md4.1/4, M6.7, 3.9/15

IDC 08 18:24:40.0±0.6, 34°16'N:141°56'E, h0km, mb4.3/21, mbtmp4.3/24, ML3.6/3, MS3.4/7, Error ellipse: s-maj=15.6km s-min=13.5km az=88.0

NEIC 08 18:24:43.1±1.6, 34°22'N:0°05'14"E:0.08, h18km, 3km, mb4.6/47, Error ellipse: s-maj=11.1km s-min=5.9km az=121.0

ISC 08 18:24:42.0±0.8, 34°26'N:0°04'14"E:0.05, h15km, 4km, n221, c1884/236, mb4.6/72, MS3.7/9, 8C-1D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res. Includes stations like BSO1, BSO2, BSO3, etc.

MAJO Matsushiro 3.71 309 Pn 18 25 39.0 +0.3

MAJO Matsushiro 3.71 309 Pn 18 25 39.4 +0.7

MJBB Matsu-Tunnel 3.71 309 Pn 18 25 39.1 +0.3

INU Inuyama 4.08 287 Pn 18 25 43.6 -0.2

JSD Sado 4.73 324 Pn 18 25 52.9 +0.2

JTM Tenjimbayashi 6.54 355 Pn 18 26 18.0 +0.4

JMN Monobe 6.59 288 Pn 18 26 17.1 -1.1

JCC Chichijima 7.15 177 Pn 18 26 24.5 -1.5

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

JCC Chichijima 7.15 177 Pn 18 26 20.4 -5.7

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

HHC Hu-ho-hao-te 24.77 294 eP Pmax 18 30 04.6 +1.4

H11N2 WAKE ISLAND Hy 26.55 117 T T 18 58 14.4

H11N1 WAKE ISLAND Hy 26.55 117 T T 18 58 24.0

H11N3 WAKE ISLAND Hy 26.57 117 T T 18 58 19.2

XAN Xian 27.14 279 eP Pmax 18 30 23.5 -1.1

H11S3 WAKE ISLAND Hy 27.17 119 T T 18 59 12.2

H11S1 WAKE ISLAND Hy 27.17 119 T T 18 59 09.0

H11S2 WAKE ISLAND Hy 27.19 119 T T 18 59 11.4

YAK Yakutsk 28.84 348 P Iamb 18 30 35.9 -3.5

YAK Yakutsk 28.84 348 eP Pmax 18 30 40.4 +1.0

ULN Ulaanbaatar 29.24 308 P Iamb 18 30 42.8 -0.5

ULN Ulaanbaatar 29.24 308 P Iamb 18 30 46.3

ULN Ulaanbaatar 29.24 308 P Iamb 18 30 43.9 +0.6

SHEM Shemaya Is, Ala 29.47 41 LR LR 18 41 36.1

SONM Songino Array 29.66 308 P Iamb 18 30 47.4 +0.3

SONM Songino Array 29.66 308 P Iamb 18 30 49.4

SONM Songino Array 29.66 308 P Iamb 18 30 47.4 +0.3

SONM Songino Array 29.66 308 P Iamb 18 30 47.4 +0.3

SONM Songino Array 29.66 308 P Iamb 18 30 47.4 +0.3

SONM Songino Array 29.66 308 P Iamb 18 30 47.4 +0.3

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SONM Songino Array 29.66 308 P Iamb 18 30 47.4 +0.3

SONM Songino Array 29.66 308 P Iamb 18 30 47.4 +0.3

SONM Songino Array 29.66 308 P Iamb 18 30 47.4 +0.3

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like ODAN Odare, BATI Baumata, RAMN Ramite, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like BELG Belogorroye, VRH Novokhoporski, OBN Obninsk, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JTH Kujedanisaw, JKEN Matushiro Arr, MIYJ Miyakonagasawa, etc.

NIED 08 18:38:38.5, 40:10N, 142:37E, h19km, MW4.1, Moment Tensor Solution, s3 Moment tensor: Scale: 10^15Nm; Mw=0.12; Ms=1.30; Mw-1.18; Mw-0.21; Mw-1.04; Fault plane solution: M=1.6000x10^15 Np; phi=317.00000; delta=59.00000; lambda=32.00000; NP2: phi=55.00000; delta=59.00000; lambda=165.00000. JMA 08 18:38:50.0, 40:10N, 142:42E, h19km, MV3.9/40, NE OFF IWATE PREF. JMA Felt J1 at NE OFF IWATE PREF. IDC 08 18:38:44.2, 2.2, 40:08N, 142:40E, h46km, mb3.6/10, mbtmp3.8/13, ML3.1/3, MS3.3/10, Error ellipse: s-maj=26.4km s-min=14.7km az=94.0, ISC 08 18:38:39.0, 1:8, 40.08N, 142:25E, 0:06, h6km, mb3.1, n37, +1810/33, mb3.9/10, MS3.1/4, 12D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like KRSC 08 18:40:25.1, BKI Bering, BKTR Krutoberegovo, etc.

Table with columns: Station ID, Name, Lat, Lon, Alt, Az, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like Camden Bay, McKinley, Rabbit Creek, etc.

Table with columns: Station ID, Name, Lat, Lon, Alt, Az, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like Mcpherson Peak, Santa Cruz Isl, Cottonwood Cre, etc.

Table with columns: Station ID, Name, Lat, Lon, Alt, Az, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like Middleborough, WMOK Wichita Moun, WMOK Wichita Moun, etc.

8d 19h

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like 552A Corning, 544A Carbondale, 537A Clayton, etc.

2017 NOV

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like W57A, PAULI, LRAL, Y52A, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BO02, RTLS, Pichilemu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, and various station identifiers like SIGR, RFT2, GPNR, etc.

SKHL 08 20:05:55.3-0.5, 47.80N; 154.30E, h1km, 4km, mb4.8/6, ms5.5/5
MOS 08 20:05:56.5-1.1, 48.03N; 154.11E, h87km, mb4.1/1, Error ellipse: s-maj=14.9km s-min=5.4km az=71.2

ISC 08 20:05:58.5-2.9, 48.09N; 153.97E, h83km, 24km, mb3.6/15, mbmp3.9/19, MS2.7/1, Error ellipse: s-maj=32.9km s-min=17.7km az=155.0
ISC 08 20:05:55.0-1.2, 47.80N; 154.2E; 0.1, h64km, n62, s1963/61, mp2.9/33, Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, and various station identifiers like SKR, PAU, KUR, ASAK, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, and various station identifiers like H11S3, H11S2, ZALV, MKAR, etc.

NOU 08 20:07:09.9, 21.53S; 168.70E, h0km, MLV5.0/11, Loyalty Islands
IDC 08 20:07:09.5, 0.6, 21.58S; 168.62E, h0km, mb4.3/13, mbmp4.3/16, ML4.5/3, MS4.2/3, Error ellipse: s-maj=18.7km s-min=16.4km az=148.0

BGR 08 20:07:11.2, 21.61S; 172.60E, h33km
NEIC 08 20:07:11.8, 1.4, 21.69S; 0.05; 168.50E; 0.05, h10km, 4km, mb4.7/31, Error ellipse: s-maj=8.0km s-min=5.7km az=210.0
GCMT 08 20:07:15.8, 0.3, 21.50S; 0.03; 168.61E; 0.02, 0.2, h16km, MW4.9/107, Moment Tensor, s29, c32; s107, c146; Duration: 0 Moment tensor: Scale 1018Nm; Min-3.12; Max-0.45; 10; Mw2.74; 11; Mw-0.09; 27; Mw-0.33; 06; Mw-0.90; 25; Best double couple: M3.3 10700 x 1016 NP1.0; 173.00000; 853.00000; 1.89.00000; Azm26.00000; N 0.3670, Plg0.00000; Azm352.00000; P -3.2950, Plg82.00000; Azm86.00000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 08 20:07:12.6-0.4, 21.61S; 0.06; 168.56E; 0.05, h20km, n156, s1923/148, mb4.7/39, 3C, Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, and various station identifiers like MARE, MARC, PINNC, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, and various station identifiers like GENI, SMP1, MTN, KNRA, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like QSPA South Pole Qui, WMOK Wichita Moun, CCM Cathedral Cave, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like TUQ Turquoise Moun, P18A Preston Nutter, CIS Catalina Islan, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like WRA, BVAR Borovoye Arr, KURBB Kurchatov Arr, etc.

SJA 08 20:53:11.5±0.8,24°17'S:66.86'W,h210km,56km,ML3.5,

Table with columns: Code, Station Name, Frequency, Power, Phase ID, Time, Res. Includes stations like SLA San Lorenzo, AZAP Zapla, AFAP Cafayete, etc.

TEH 08 20:58:16.5,25°04'N:62°43'E,h20km,188km,ML3.5

Table with columns: Code, Station Name, Frequency, Power, Phase ID, Time, Res. Includes stations like AC01 Pan de Azucar, AC01 Negor - Chabab, etc.

ISC 08 20:58:22.0±1.0,25°01'N:0°05'62.19'E,0°08,h35km,n45,

Table with columns: Code, Station Name, Frequency, Power, Phase ID, Time, Res. Includes stations like NGCH Negor - Chabab, CHBR Chabab, WSAR Wadi Sarin, etc.

ZALV	Zalesovo Beam	33.47 24 P	P	21 04 58.8 +1.1
AKASG	Malin Array Be	36.05 324 P	P	21 05 20.1 +0.2
FINES	Fines Array B	43.87 336 P	P	21 06 24.7 -0.1
NOA	NORSAR Array B	49.81 330 P	P	21 07 10.8 -0.5
TORD	Torodi Ar. Bea	57.98 270 P	P	21 08 12.7 +1.2

3,5000, Plg67.0000°, Azm167.0000°; N 0.4790, Plg3.0000°, Azm265.0000°; P -3.9830, Plg23.0000°. Azm35.0000°; nsta2 refers to surface waves, cutoff-40s. nsta2 refers to surface waves, cutoff-50s. Triangular moment-rater function
 NEIC 08 21:54:19.6; 1.5, 8.31S; 0.07; 115.53E; 0.02; h23km,4km, mb4.9/78, Mw4.9/11 Error ellipse: s-maj=9.7km s-min=2.9km az=173.0
 IDC 08 21:54:21.0; 1.7, 8.23S; 115.60E; h41km,14km, mb4.4/23, mbmp4.6/25, ML4.7/3, MS4.1/55, Error ellipse: s-maj=13.3km s-min=9.8km az=50.0
 ISC 08 21:54:18.8; 0.3, 8.03; 0.115; 60E; 0.03; h21km,2km, n430, r169/423, mb4.9/103, MS4.2/69, SC-6D, Bali region

Code	Station Name	A°	AZ°	Phase ID	Time	Res
SRBI	Singaraja	0.45	303	Op	ISC	h m s ISC
SRBI	Denpasar	0.62	228	S	Pb	21 54 26.2 -1.9
DNP	Denpasar	0.56	223	P	Sb	21 54 31.8 -2.6
IGBI	Denpasar	0.66	228	P	Pb	21 54 29.7 +0.5
TWSI	Taliwang, Sumb	1.33	108	P	Pb	21 54 31.3 -0.4
JAGI	Jajag, Banyuwa	1.44	264	Pn	Pb	21 54 43.0 -1.2
JAGI	Jajag, Banyuwa	1.44	264	P	Sb	21 54 40.5 -1.4
JAGI	Jajag, Banyuwa	1.44	264	P	Pb	21 54 43.2 -0.5
JAGI	Jajag, Banyuwa	1.44	264	S	Sb	21 54 43.5 -1.2
ABJI	Asem Bagus	1.45	291	P	Sb	21 55 02.7 -0.1
ABJI	Asem Bagus	1.45	291	P	Sb	21 54 43.6 -0.3
BLJI	Banyuglugur	2.07	286	P	Sb	21 55 03.0 -0.2
BLJI	Banyuglugur	2.07	286	P	Sb	21 54 52.8 +0.4
BLJI	Banyuglugur	2.07	286	P	Sb	21 55 18.7 +1.2
GMJI	Gemukmas	2.13	271	P	Sb	21 54 52.9 -0.4
GMJI	Gemukmas	2.13	271	P	Sb	21 55 20.5 +1.3
PLAI	Plampang	2.21	103	P	Pb	21 54 56.7 -1.4
PLAI	Plampang	2.21	103	P	Pb	21 54 56.0 +1.7
PLAI	Plampang	2.21	103	P	Pb	21 55 24.4 -0.6
PLAI	Plampang	2.21	103	P	Pb	21 55 10.7 0.0
PLAI	Plampang	2.21	103	P	Pb	21 55 19.9 +0.1
GRJI	Gresik	3.40	294	P	Pn	21 55 15.7 -0.8
GRJI	Gresik	3.40	294	P	Pn	21 55 24.2 +2.4
PWJI	Pagerwojo	3.77	274	P	Pn	21 55 28.5 +0.5
BWJI	Bawean	3.82	310	P	Pn	21 55 31.2 -0.1
BWJI	Bawean	3.82	310	P	Pn	21 55 31.2 -0.1
NGJI	Ngawi	4.21	283	P	Pn	21 55 31.2 -0.1
WJJI	Wongiri, Jawa	4.66	276	P	Pn	21 55 31.2 -0.1
WJJI	Wongiri, Jawa	4.66	276	P	Pn	21 55 31.2 -0.1
BBKI	Banjur Baru	4.98	351	P	Pn	21 55 31.2 -0.1
BBKI	Banjur Baru	4.98	351	P	Pn	21 55 31.2 -0.1
KBKI	Kotabaru	5.04	274	Pn	Pn	21 55 31.2 -0.1
UGM	Wanagama	5.04	274	Pn	Pn	21 55 31.2 -0.1
UGM	Wanagama	5.04	274	Pn	Pn	21 55 31.2 -0.1
UGM	Wanagama	5.04	274	Pn	Pn	21 55 31.2 -0.1
UGM	Wanagama	5.04	274	Pn	Pn	21 55 31.2 -0.1

Code	Station Name	A°	AZ°	Phase ID	Time	Res
SMRI	Semarang	5.27	284	Pn	Pn	21 55 37.8 -0.8
SMRI	Semarang	5.27	284	Pn	Pn	21 55 39.8 +3.2
SMRI	Semarang	5.27	284	Pn	Pn	21 55 42.6 +0.2
YOGI	Yogyakarta	5.28	275	Pn	Pn	21 55 37.8 +0.0
KAPI	Kappang	5.28	52	Pn	Pn	21 55 36.8 +0.1
KAPI	Kappang	5.28	52	Pn	Pn	21 55 36.7 +0.1
KAPI	Kappang	5.28	52	Pn	Pn	21 55 36.4 -0.2
KAPI	Kappang	5.28	52	Pn	Pn	21 55 34.8 -2.0
BKSI	Bukitumba	5.39	57	Pn	Pn	21 55 37.7 -0.5
EDFI	Ende, Flores	6.04	94	Pn	Pn	21 55 48.2 +1.1
MMRI	Maumere	6.57	93	Pn	Pn	21 55 55.7 +1.3
MMRI	Maumere	6.57	93	Pn	Pn	21 55 58.3 +3.9
MMRI	Maumere	6.57	93	Pn	Pn	21 55 58.1 +3.7
KPJI	Karung Pucung	6.68	278	Pn	Pn	21 55 57.1 +1.3
TTSI	Tanora	6.72	39	Pn	Pn	21 55 57.5 +1.1
TTSI	Tanora	6.72	39	Pn	Pn	21 55 57.5 +1.1
CMJI	Cimerak	7.10	274	Pn	Pn	21 56 00.9 -0.7
MTKI	Mtara Teweih, K	7.37	355	Pn	Pn	21 56 05.8 +0.4
BBSI	Bau Bau	7.47	68	Pn	Pn	21 56 08.8 +2.0
BBJI	Bungbuling	7.92	276	Pn	Pn	21 56 13.4 +0.4
LEM	Lembang	8.05	280	Pn	Pn	21 56 16.0 +1.1
LEM	Lembang	8.05	280	Pn	Pn	21 56 16.0 +1.1
LEM	Lembang	8.05	280	Pn	Pn	21 56 16.0 +1.1
BATI	Baumata	8.18	104	Pn	Pn	21 56 18.0 +1.6
BATI	Baumata	8.18	104	Pn	Pn	21 56 17.6 +1.2
BATI	Baumata	8.18	104	Pn	Pn	21 57 49.2 +1.0
CNJI	Cinbong	8.45	276	Pn	Pn	21 56 20.4 +0.2
SOEI	Soe	8.68	100	Pn	Pn	21 56 23.6 +0.2
SOEI	Soe	8.68	100	Pn	Pn	21 56 25.8 +2.4
SOEI	Soe	8.68	100	Pn	Pn	21 56 25.0 +1.6
CBJI	Cibitong	8.88	282	Pn	Pn	21 56 28.9 +2.8
STKI	Stik	9.00	334	Pn	Pn	21 56 31.7 -0.1
MPSI	Mappaga	9.62	27	Pn	Pn	21 56 36.2 0.0
CGJI	Cinbong	9.97	279	Pn	Pn	21 56 42.5 +1.5
XMI	Christmas Isla	10.00	257	Pn	Pn	21 56 39.1 -2.4
XMIS	Christmas Isla	10.04	257	Pn	Pn	21 56 39.3 -2.8
XMIS	Christmas Isla	10.04	257	Pn	Pn	21 56 39.5 -2.5
LWUI	Luwu	10.17	45	Pn	Pn	21 56 40.0 -3.8
TOLIZ	Toilitoi	10.71	29	Pn	Pn	21 56 52.1 +1.0
TOLIZ	Toilitoi	10.71	29	Pn	Pn	21 56 53.2 +2.1
MRSI	Muris	11.09	331	Pn	Pn	21 56 53.0 +0.7
KSM	Kuching	11.08	331	Pn	Pn	21 56 55.7 -0.4
KSM	Kuching	11.08	331	Pn	Pn	21 56 58.4 +2.2
SBUM	Sibu	11.23	342	Pn	Pn	21 56 57.5 -0.7
KASI	Kota Agung	11.37	283	Pn	Pn	21 57 02.4 +2.2
GORTA	Gorontalo	11.57	40	Pn	Pn	21 57 02.7 -0.3
LWLI	Lwi	11.61	104	Pn	Pn	21 57 07.9 0.0
SANI	Sanana	12.08	59	Pn	Pn	21 57 13.7 +3.8
SANI	Sanana	12.08	59	Pn	Pn	21 57 11.0 +1.1
NLAI	Namlea	12.51	67	Pn	Pn	21 57 18.8 +3.0
LHSI	Lahat	12.81	290	Pn	Pn	21 57 20.0 +0.1
MNAI	Manna	13.17	287	Pn	Pn	21 57 24.9 +0.1
MBWA	Marble Bar	13.38	163	Pn	Pn	21 57 24.5 -2.5
MBWA	Marble Bar	13.38	163	Pn	Pn	21 57 25.1 -2.3
MYLMDI	Lahad Datu	13.73	12	Pn	Pn	21 57 33.9 +1.5
PSA00	Pilbara Seismi	13.79	163	Pn	Pn	21 57 30.4 -2.9
PSA00	Pilbara Seismi	13.79	163	Pn	Pn	21 57 30.8 -2.4
LBMI	Labuha	14.11	58	Pn	Pn	21 57 38.7 +1.1
GIRL	Giralia	14.29	185	Pn	Pn	21 57 38.0 -2.1
GIRL	Giralia	14.29	185	Pn	Pn	21 57 37.8 -2.3
KKM	Kota Kinabalu	14.29	2	Pn	Pn	21 57 40.8 +0.5
KKM	Kota Kinabalu	14.29	2	Pn	Pn	21 57 44.4 -2.9
BNDI	Bandanaira	14.71	76	Pn	Pn	21 57 50.0 -1.8
BNDI	Bandanaira	14.71	76	Pn	Pn	21 57 47.7 +1.8
KNRA	Kunurra	14.79	121	Pn	Pn	21 57 45.9 -1.2
KNRA	Kunurra	14.79	121	Pn	Pn	21 57 45.6 -1.4
KNRA	Kunurra	14.79	121	Pn	Pn	21 57 45.8 -1.2
TNTI	Ternate	14.81	53	Pn	Pn	21 57 47.6 +0.3
TNTI	Ternate	14.81	53	Pn	Pn	21 57 51.2 -1.8
TNTI	Ternate	14.81	53	Pn	Pn	21 57 57.3 +3.3
MYKM	Kota Tinggi	15.44	310	Pn	Pn	21 57 52.7 +1.6
TMTN	Manton Dam	15.91	108	Pn	Pn	21 57 59.3 -2.4
MTN	Manton Dam	15.91	108	Pn	Pn	21 58 00.5 -1.2
MTN	Manton Dam	15.91	108	Pn	Pn	21 58 10.4 -1.3
BKNI	Bangkalang	16.87	300	Pn	Pn	21 58 12.5 -1.4
BKNI	Bangkalang	16.87	300	Pn	Pn	21 58 20.5 0.0
KDU	Kakadu	17.14	106	Pn	Pn	21 58 15.3 -2.1

KDU	Kakadu	17.14 106 P	Pn	21 58 16.1 -1.2
SWI	Sorong	17.27 65 P	P	21 58 20.6 +0.3
FAKI	Fak Fak	17.41 73 Pn	Iamb	21 58 19.9 -1.2
FAKI	Fak Fak	17.41 73 Pn	Iamb	21 58 27.4 0.0
FAKI	Fak Fak	17.41 73 P	P	21 58 22.6 +0.7
FAKI	Fak Fak	17.41 73 P	Pn	21 58 20.1 +0.6
DAV	Davao City	18.25 33 LR	LR	21 58 30.9 -0.1
DAV	Davao City	18.25 33 LR	LR	22 06 46.3 0.0
MEEK	Meekatharra	18.43 171 Pn	Pn	21 58 34.1 +0.9
MEEK	Meekatharra	18.43 171 Pn	Pn	21 58 34.1 +0.9
KMPI	Kampong	18.43 171 P	Pn	21 58 34.2 +1.0
KMPI	Kampong	18.43 171 P	Pn	21 58 35.1 -0.1
PBSI	Pulau Batu	19.12 295 P	P	21 58 40.2 -0.5
RKPI	Rantau	19.70 71 P	P	21 58 49.9 +1.3
RPSI	Rantai Papat	19.71 303 P	P	21 58 48.8 -0.6
RPSI	Rantai Papat	19.71 303 P	P	21 58 58.3 0.0
PSI	Papap	19.97 303 P	P	21 58 53.2 +1.3
PSI	Papap	19.97 303 P	P	21 58 48.8 -1.3
KULM	Kulim	20.13 312 P	P	21 58 50.4 -1.4
GSJ	Gunungsitoli	20.36 297 P	P	21 58 56.6 +0.2
WRKA	Warukana	20.56 145 P	Pn	21 58 57.7 -1.0
WRKA	Warukana	20.56 145 P	Pn	21 58 58.0 -0.7
MORW	Morawa	20.63 179 P	P	21 58 57.7 +0.6
MORW	Morawa	20.63 179 P	P	21 58 56.7 -0.4
MORW	Morawa	20.63 179 P	Pn	21 58 59.1 -0.3
KCSI	Kotacane, Aceh	21.32 303 P	P	21 59 05.1 +0.4
WBO	Warramunga Arr	21.46 124 P	Iamb	21 59 05.8 -0.3
WBO	Warramunga Arr	21.46 124 P	Iamb	21 59 23.8 0.0
WRA	Warramunga Arr	21.50 124 P	P	21 59 06.1 -0.5
WRA	Warramunga Arr	21.50 124 P	P	21 59 06.1 -0.5
WRA	Warramunga Arr	21.50 124 P	P	21 59 06.6 0.0
WRA	Warramunga Arr	21.50 124 P	S	22 02 59.3 -5.0
WRA	Warramunga Arr	21.50 124 P	ScP	22 06 41.2 -4.1
WRAB	Tennant Creek	21.50 124 P	P	21 59 07.0 +0.4
WRAB	Tennant Creek	21.50 124 P	P	21 59 06.9 +0.4
BLDU	Ballidu	22.20 177 P	P	21 59 15.2 +1.3
BLDU	Ballidu	22.20 177 P	P	21 59 15.0 +1.1
MLSI	Meulaboh, Aceh	22.27 302 P	P	21 59 21.6 +0.4
MGY	Mugling	2		

8d 23h

Table with columns: TXAR, TULM, WLAR, FCAR, NVAR, LPAZ, PB16, PLCA, ILAR, CMAR. Includes station names, coordinates, and times.

Table with columns: TRN, TRN, GRGR, GRHS, GCMP, SVOC, SVB, SLBI, BIM, BAUV, BAUV. Includes station names, coordinates, and times.

IDC 08 22:52.8, 10.78N, 60.36W, h68km, MD3.6, Trinidad

Table with columns: H10N2, H10N3, H10N1, H10S3, H10S2, PDAR, ILAR, MKAR. Includes station names, coordinates, and times.

IDC 08 22:38:50.8, 5.8, 21.87S, 169.89E, h0km, mb3.7/3, mbtmp3.8/4, ML3.3/1, Error ellipse: s-maj=145.6km

Table with columns: DZM, DZM, STKA, ASAR, WRA. Includes station names, coordinates, and times.

IDC 08 23:02:50.8, 8.8, 8.21S, 115.70E, h0km, mb3.6/3, mbtmp3.8/4, ML4.1/1, MS2.8/2, Error ellipse: s-maj=134.0km

Table with columns: SRBI, DNP, IGBI, ABJI, TWSI, JAGI, BLJI, GMJI, PLAI, GRJI, PWJI, BWJI, UGM, KAPI, KAPI, KAPI, BKSI, EDFI, MBWA, GIRL, WRA, ASAR, STKA, SNA. Includes station names, coordinates, and times.

NEIC 08 23:16:59.7, 9.0, 19.371N, 0.008, 155.503W, 0.008, Error ellipse: s-maj=1.2km

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h12km, 2km, Error ellipse: s-maj=1.2km s-min=1.0km az=150.0

HVO 08 23:16:59.8, 0.6, 19.352N, 0.008, 155.494W, 0.007, h10km, 1km, ML2.7/2.5, ML2.6/46(NEIC), Error ellipse: s-maj=1.2km s-min=0.9km az=157.0, Hawaiian Islands

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AIN, AOH, KKH, MWH, MLH, HLP, WRMH, SDHH, MLOA, UWE, OBL, NPH, RIM, UWE, KKO, KKO, SBLH, SBLH, BYL, BYL, BYL, HATHI, HATHI, RSD, RSD, ALEP, ALEP, HMH, HMH, HMH, PPH, HPH, KNH, STCH, STCH, STCH, NPOC, NPOC, NPOC, JCUZ, JCUZ, JCUZ, CPH, HUH, JOKA, HPAH, HPAH.

JMA 08 23:19:08.9, 0.1, 24.1N, 122.78E, 0.6, h23km, 3km, MV2.4/1, NW OFF ISHIGAKIJIMA IS

TAP 08 23:19:09.2, 24.30N, 122.74E, h14km, 1km, ML2.9, C ISC 08 23:19:06.7, 1.1, 24.09N, 0.03, 122.78E, 0.02, h5km, 10km, n51, 0.5, 19.438, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYNG, YOJ, YOJ, YOJ, YOJ, EOSA, EOSA, EOSA, EOSA, EOSA, IRIF, HATJ, HATJ, EWUT, EWUT, ENA, ENA, NACB, NACB, NACB, NDS, NDS, NDS, JKRS, JKRS, TWB1, TWB1, TWB1, ETM, ETM, ETM, ETML, ETML.

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Table with columns: ETML, TWE, TWE, LATG, LATG, TIPB, TIPB, ENT, ENT, LXIB, LXIB, NDT, NDT, JIJ, JIJ, FUSB, FUSB, FUSB, SXII, NNSB, NNS, NNS, WARBT, WARBT, WARBT, NNLW, NNLW, HGSD, HGSD, WHF, WHF, NSK, NSK, EHY, EHY, CHGB, CHGB, CHGB, OWD, OWD, JISG, JISG, WUSB, WUSB, YULB, YULB, VWD, VWD, NFF, NFF, WHP, WHP, WHP, SSSL, SSSL, SMLT, SMLT, TYC, TYC, WHYT, WHYT, ALS, ALS, CHNS, CHNS, CHNS, STYH, STYH, STYH, TPUB, TPUB, TPUB, CHNT, CHNT.

IDC 08 23:21:32.9, 9.1, 13.448S, 167.37E, h162km, 10km, mb4.4/26, mbtmp4.8/28, Error ellipse: s-maj=11.8km s-min=10.9km az=101.0

MOS 08 23:21:34.1, 1.2, 14.445S, 167.25E, h180km, mb4.9/27, KOUNC, Error ellipse: s-maj=9.6km s-min=7.8km az=22.0

NOU 08 23:21:34.8, 14.41S, 167.32E, h176km, mb5.0/26, Vanuatu Islands

NEIC 08 23:21:35.5, 1.4, 14.446S, 167.4E, 0.1, h183km, 7km, mb4.9/69, Error ellipse: s-maj=14.3km s-min=12.2km az=79.0

ISC 08 23:21:35.0, 0.4, 14.495S, 167.32E, 0.05, h186km, 3km, h187km, pP, n411, 0.19, 19.438, mb4.9/29, 23C-31D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DVP, RTV, LIFNC, LIFNC, KOUNC, KOUNC, DZM, DZM, ONTC, ONTC, QUENC, QUENC, PINNC, PINNC, HNR, HNR, HNR, YSA, YSA, MSVF, MSVF, KRVT, KRVT, LHI, LHI, EIDS, EIDS, EIDS, AFI, AFI, PMG, PMG, PMG, PMG, CTA, CTA, CTA, CTA, ARMA, ARMA.

Table with columns for station call letters, name, frequency, and various signal quality metrics (P, S, etc.). Includes stations like ARMADA, NIUE, PATS, URZ, BKZ, etc.

Table with columns for station call letters, name, frequency, and various signal quality metrics. Includes stations like OPA, MUN, TWSI, GIRL, IGBI, MYLDM, etc.

Table with columns for station call letters, name, frequency, and various signal quality metrics. Includes stations like HHC, HHC, HHC, HHC, HHC, etc.

8d 23h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like MKAR, ZAAO, ZALV, YKA, KURK, etc.

2017 NOV

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like PLVB, GZR, OSTC, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like PKI, PKIN, GKN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Carmignano, Montemurlo, Monte La Croce, Scarperia, Pisa, Caprese Michel, Popiglio, Bibbona, Lutrano, etc.

ICC 08 23:46:30.2±1.7, 0.61N, 125.47E, h0km, mb3.4/4, mbmp3.5/4, Error ellipse: s-maj=192.5km s-min=22.5km az=65.0

DJA 08 23:46:38.3±1.3, 0.7N, 125.47E, h28km, M3.5/6, MLV3.5/6

ISC 08 23:46:39.5±1.0, 0.30N, 125.48E, 0.05, h73km, n11, ±191/15, mb3.4/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Cibinong, Ternate, Labuha, Sanana, Gorontalo, Luwuk, Warramunga Arr, Alice Springs, Makanchi Array, Kurbb, etc.

MOS 09 00:01:41.0±0.9, 52.23N, 171.06W, h39km, Mb5.0/83, MS4.2/5, Error ellipse: s-maj=7.7km s-min=4.9km az=96.8

AEIC 09 00:01:42.1±1.8, 52.12N, 171.01W, 0.05, h26km, 4km, Error ellipse: s-maj=11.0km s-min=3.8km az=171.0

NEIC 09 00:01:43.6±1.3, 52.15N, 171.01W, 0.08, h50km, 6km, mb4.7/180, ML4.7/8, ML4.7(AEIC), Error ellipse: s-maj=13.3km s-min=5.2km az=158.0

BUI 09 00:01:43.4±0.0, 52.59N, 171.49W, h49km, mb4.9/53, Mb5.1/28, Ms4.7/30, Ms7.4/31

ICC 09 00:01:43.6±1.8, 52.21N, 171.10W, h46km, 15km, mb4.3/31, mbmp4.5/34, ML3.9/3, MS4.1/84, Error ellipse: s-maj=14.7km s-min=8.5km az=172.0

GCMT 09 00:01:44.6±0.3, 52.03N, 171.02W, 0.04, h33km, 1km, MV5.0/73, Moment Tensor Solution. s62,c75, s73,c88; Duration: 0 Moment tensor: Scale 10^19Nm; Mr3.13±.15; Mw3.0±.11; Mw0.0±.11; Mw2.4±.15; Mw0.5±.09; Mw0.5±.15; Best double couple: Ms3.98600, 1016 NP1, s78.00000, s64.00000, i, 88.00000, NP2: s62.00000, s26.00000, i, 94.00000; Principal axes: T 4.0040, P1g71.0000, Azm344.0000; N -0.0320, P1g2.0000; Azm79.0000; P -3.9690, P1g19.0000; Azm169.0000; ns1a refers to body waves, cutoff=40s. ns1a2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BGR 09 00:01:51.4, 53.89N, 171.34W, h50km, mb4.6

ISC 09 00:01:43.7±0.5, 52.14N, 171.03W, 0.03, h51km, 3km, h51km; p-P, n992, ±192/968, mb4.7/202, MS4.1/101, 18C-16D, Fox Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Cleveland East, Concord Point, Nikolski High, Korovin Southe, Korovin Flat P, Atka Island, Atka Island, Atka Island, Mount Kiluichef, Okmok W'ng Wal, Okmok Cone E, Okmok Cone E, Okmok East Rim, Okmok Magazine Ridge, Pakushin South, Makushin Gods, Great Sitkin T, Great Sitkin M, Great Sitkin M, Makushin Switc, Great Sitkin C, Great Sitkin S, Makushin Table, Unalaska Valle, Unalaska Valle, Unalaska Valle, Unalaska Valle, Adak, Adak, Adak, etc.

Table with columns: ADR, Adak, ADR, Adak, AKB, Akutan Reef Bi, ZRO, Akutan Zero, LVA, Lavata Point, AKV, Akutan Volcano, AKBBA, Akutan Broad B, AKLV, Akutan Long Va, AHB, Akutan Harbor, AKUT, Akutan, AKUT, comp=N, 11um, 1.4s, AKUT, comp=E, 2um, 0.8s, AKUT, Akutan, AKSA, Akutan Strait, KIWB, Kanaga Island, KIMD, Kanaga Island, TAPA, Tanaga Point A, TAFP, Tanaga Falls P, WESP, Westdahl Peak, GALAA, Garetol Lava P, SPIA, Saint Paul Isl, SPIA, Saint Paul Isl, SPIA, Saint Paul Isl, SPIA, Saint Paul Isl, SPIA, Saint Paul Isl, ISLZ, Iseanotki Laza, ISLN, Iseanotki Nort, FALS, False Pass, FALS, False Pass, FALS, False Pass, CEPE, Semis Perret, AMKA, Amchitka, PSIA, Pavlof South-1, SDPT, Sand Point, SDPT, Sand Point, SDPT, Sand Point, CNBA, Chernabura Isl, CHNA, Chernabura Isl, CH4N, Fog Glacier, S14G, Chignik, CHGN, Chignik, M1K1, Mekoryuk, M1K1, Mekoryuk, O14K, Tiguykaiuiv M, M13K, Dall Lake, N14K, Kuskokwak Cree, O15K, Ungalikthiuk R, CHIR, Chirikof Islan, M14K, Bethel, M14K, Bethel, R17K, Ugasnik Cree, N15K, Kwhethluk River, P16K, Nushagak River, L14K, Kulka Creek, M15K, Kasigluk River, K13K, Kusilvak Mount, O16K, Kokwok River B, O16K, Kokwok River B, Q16K, King Salmon, Q17K, Contact Creek, N16K, Nishilik Lake, S11, Sitkinak Islan, S11, Sitkinak Islan, S11, Sitkinak Islan, P17K, Kvichak River, L15K, Ungalak Mount, O17K, Koliganek Bris, R18K, Karluk, M16K, Timber Creek, Q18K, Katmai Hardscr, J14K, Navrananak Lak, N17K, Nushagak Hills, K15K, Wolf Creek Mo, L16K, Owhat River, L16K, Owhat River, P18K, Big Mountain, O18K, Kaktuh Hills, O18K, Kaktuh Hills, M17K, Holitna River, Q19K, Cape Douglas, Q19K, Cape Douglas, N18K, Kilae Cree, KDAK, Kodiak Island, KDAK, Kodiak Island, KDAK, Kodiak Island, L17K, Donlin, O19K, Port Alsworth, SWV2, Sparrevohn, SWV2, Sparrevohn, Q20K, Brownie Island, SYI, Shuyak Island, J16K, Anvik River, P19K, Oil Pt, M18K, Stony River, N19K, Bonanza Creek, N19K, Bonanza Creek, K17K, Iditarod, L18K, Granite Mounta, J17K, VABM Dome, O20K, Slope Mountain, I17K, Unalakleet, M19K, Big River Lodg, L19K, White Mountain, CNPM, China Poot, H16K, Elin, G15K, Niukluk, TTA, Talatina

Table with columns: TTA, Talatina, TTA, Talatina, TNA, Tin City, BRLL, Bradley Lake, F14K, Arctic Creek, J18K, Innoko River, BRSE, Bradley Lake S, N20K, Mount Spurr, M20K, Styx River, M20K, Styx River, L20K, Farewell, AK, CAPN, Captain Cook N, F15K, North Star Dit, G16K, Koyuk River, H17K, Granite Mounta, J19K, Poorman, K20K, Telida, SEW, Seward, G17K, Kiwalik Mounta, SKT, Skwentna, SKT, Skwentna, O22K, Cooper Landing, O22K, Cooper Landing, SUA, Susitna One, SUA, Susitna One, H18K, Honhosa River, GCSA, Galesa City Sc, RC01, Rabbitt Cree A, PPLA, Pkeypile, M22K, Willow, J20K, Novinta River, CAST, Castle Rocks, CAST, Castle Rocks, CUT, Chulitna, G18K, Tagagawik, F17K, Baldwin Pennin, PMR, Palmer, PWL, Port Wells, I20K, Naaghedeneel, P23K, Montague Islan, CHUM, Lake Minchumim, H19K, Roundabout Mou, GHO, Glory Hole Cre, KNK, Knik Glacier, Q23K, Middleton Isla, SML, Sawmill, SML, Sawmill, E17K, Holitna Inlet, G19K, Purcell Mounta, H20K, Anotienegea Mo, TRF, Thorofare Moun, TRF, Thorofare Moun, GLI, Glacier Island, M23K, Glacier View, BPAW, Bear Paw Mtn, BPAW, Bear Paw Mtn, FID, Port Fidalgo, WAT1, Susitna Watana, SCM, Sheep Creek Mo, SCM, Sheep Creek Mo, SCM, Sheep Creek Mo, SCM, Sheep Creek Mo, F19K, Shalercruk Mo, E18K, Tukpahlearik C, WAT6, Susitna Watana, RND, Reindeer, RND, Reindeer, EYAK, Cordova Ski Ar, I21K, Tanana, IMAR, Indian Mountai, MCK, McKinley, H21K, Melozitna Rive, H21K, Melozitna Rive, BWN, Sparrevohn, KLU, Klutina, MLY, Manley, DHY, Denali Highway, DHY, Denali Highway, M24K, Tolsona, Glenn, KAIM, Kayak Island, F20K, Avaraart Lake, F20K, Avaraart Lake, E19K, Redstone River, C17K, DeLong Mountai, NEA2, Nenana, G21K, Allakaket, HMT, Hamilton, HMT, Hamilton, BMRM, Bremner River, H22K, Ishalitna Cre, I23K, Minto, Yukon-K, WRH, Wood River Hill

9d 0h

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, and other parameters. Includes stations like N25K Chitina, Valde, BERG Berg Lake, etc.

2017 NOV

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, and other parameters. Includes stations like D23K Nanushuk River, TOLK Toolik Lake, etc.

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Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, and other parameters. Includes stations like T35M Bob Quinn, DLBC Dease Lake, etc.

Table with columns: Station, Name, Time, Az, El, Azimuth, Elevation, Signal, Quality, etc. Includes stations like New Philadelphia, Gaotai, Greenwald, etc.

Table with columns: Station, Name, Time, Az, El, Azimuth, Elevation, Signal, Quality, etc. Includes stations like GOMU, GOMU, GOMU, etc.

Table with columns: Station, Name, Time, Az, El, Azimuth, Elevation, Signal, Quality, etc. Includes stations like MNSK, MNSK, MNSK, etc.

AHRW		eP	pP	00 13 49.9 +1.2
DPC	Dobruska-Polom	77.69 355	eP	00 13 34.8 +0.2
DPC	Dobruska-Polom	77.69 355	P	00 13 34.8 +0.2
WERD	Werda	77.75 358	eP	00 13 35.7 +0.8
TANN	comp=Z,1.4nm,0.8s,baz=2.3,slow=5.3	77.73 358	eP	00 13 35.8 +0.8
TANN	Tannenberghtha	77.73 358	eP	00 13 35.8 +0.8
BGES	Gesves	77.80 3 0P	P	00 13 35.5 +0.3
NIL	comp=Z,5.7nm,0.8s	77.80 310	P	00 13 35.6 +0.1
NIL	Nilore	77.80 310	P	00 13 35.6 +0.1
NIL	comp=Z,1.7nm,0.7s		pmax	
GUNZ	Gunzen	77.83 358	eP	00 13 36.0 +0.6
BMRD	Mareudus	77.87 3 0P	P	00 13 35.0 -0.5
WERN	Wernitzgruen	77.91 358	eP	00 13 36.5 +0.7
KWP	Kalwarja Pacla	77.93 351	I Amb	00 13 35.9 0.0
KWP	Kalwarja Pacla	77.93 351	I Amb	00 13 37.1
KWP	comp=Z,1.6nm,1.0s		pmax	
KWP	Kalwarja Pacla	77.93 351	P	00 13 35.9 0.0
KWP	comp=Z,1.6nm,1.0s		pmax	
KRLC	Kraliky	77.94 355	eP	00 13 36.0 0.0
KRLC	Kraliky	77.94 355	eP	00 13 36.0 0.0
NKC	Novy Kostel	77.96 358	eP	00 13 36.9 +0.8
NKC	Novy Kostel	77.96 358	eP	00 13 36.9 +0.8
TNS	Taunus	78.0 0.0	P	00 13 37.2 +0.9
DOU	Dourbes	78.07 3 0P	P	00 13 36.4 -0.2
OKC	Ostrava-Krasne	78.10 354	eP	00 13 36.7 -0.1
OKC	Ostrava-Krasne	78.10 354	eP	00 13 36.7 -0.1
PRU	Pruhonice	78.13 357	eP	00 13 37.3 +0.3
PRU	Pruhonice	78.13 356	eP	00 13 37.3 +0.3
MORC	Moravsky Berou	78.20 354	eP	00 13 37.8 +0.4
MANZ	Manzenberg	78.21 358	eP	00 13 38.6 +1.1
STHS	Stebnicka Huta	78.23 352	eP	00 13 38.9 +1.0
STHS	Stebnicka Huta	78.23 352	eP	00 13 38.9 +1.0
ROTZ	Rotzenmuhle	78.43 358	eP	00 13 39.8 +1.1
GRA1	Grafenberg Arr	78.52 359	I Amb	00 13 39.2 0.0
GRA1	comp=Z,1.4nm,0.9s		I Amb	00 13 41.0
GRF	Grafenberg Arr	78.52 359	P	00 13 39.2 0.0
GRF	comp=Z,1.4nm,0.9s		pmax	
GRF	Grafenberg Arr	78.52 359	eP	00 13 40.3 +1.1
GRFO	Grafenberg	78.53 359	P	00 13 39.4 +0.2
GRFO	comp=Z,1.2nm,0.8s		I Amb	00 13 41.0
GRFO	Grafenberg	78.53 359	P	00 13 39.4 +0.2
GRFO	comp=Z,1.2nm,0.8s		pmax	
WLF	Walferdange	78.54 2	P	00 13 39.3 0.0
WLF	comp=Z,1.2nm,1.2s		I Amb	00 13 53.8
WLF	Walferdange	78.54 2	P	00 13 39.3 0.0
WLF	comp=Z,1.2nm,1.2s		pmax	
KOLS	Kolonick sedl	78.67 351	eP	00 13 40.6 +0.6
KOLS	Kolonick sedl	78.67 351	eP	00 13 40.6 +0.6
LANS	Liptovska Anna	78.69 353	eP	00 13 41.8 +1.7
LANS	Liptovska Anna	78.69 353	eP	00 13 41.8 +1.7
LANS	comp=Z,6.0nm,1.0s		pmax	
ZVC	Zvikov	78.70 357	eP	00 13 40.9 +0.8
VRAC	Vranov	78.72 355	eP	00 13 40.4 +0.1
VRAC	Vranov	78.72 355	eP	00 13 40.6 +0.3
VRAC	Vranov	78.72 355	eP	00 13 40.4 +0.1
VRAC	comp=Z,1.1nm,19.0s,baz=5.3,slow=38		LR	00 50 49.8
SORM	Soroca	78.74 347	eP	00 13 39.7 -0.6
SORM	Soroca	78.74 347	P	00 13 39.7 -0.6
GOF	Goftsoykoye	78.83 336	eP	00 13 41.7 +0.8
KRUC	Kabul	79.07 313	I Amb	00 13 41.9 +0.2
KBL	Kabul	79.07 313	I Amb	00 13 42.6 -1.4
KBL	comp=Z,9.1nm,0.9s		P	00 13 40.9 -1.4
KBL	Kabul	79.01 313	P	00 13 40.9 -1.4
KHC	Kaspenske Hory	79.03 357	P	00 13 42.6 +0.6
KHC	comp=Z,9.0nm,0.9s		I Amb	00 13 43.8
KHC	Kaspenske Hory	79.03 357	P	00 13 42.6 +0.6
KHC	comp=Z,7.7nm,0.9s		pmax	
KHC	Kaspenske Hory	79.03 357	eP	00 13 42.3 +0.3
KHC	Kaspenske Hory	79.03 357	P	00 13 42.6 +0.6
WET	Wetzell	79.03 357	eP	00 13 43.1 +1.1
JAVC	comp=Z,4.5nm,1.1s,baz=2.3,slow=5.3		P	00 13 43.9 +1.5
GECC	GERESS Array S	79.31 357	P	00 13 43.4 -0.3
GECC	GERESS Array S	79.31 357	eP	00 13 44.3 +0.7
GERES	GERESS Array B	79.31 357	P	00 13 43.5 -0.1
GERES	GERESS Array B	79.31 357	P	00 13 43.9 +0.2
GERES	comp=Z,3.7nm,0.7s,baz=18,slow=4.8,SNR=19		pmax	
CKRC	Cesky Krumlov	79.31 356	eP	00 13 42.5 -1.0
CKRC	Cesky Krumlov	79.31 356	eP	00 13 42.5 -1.0
VYHS	Vyhne	79.39 353	eP	00 13 44.8 +0.9
VYHS	Vyhne	79.39 353	eP	00 13 44.9 +1.0
VYHS	comp=Z,9.0nm,1.1s		pmax	
TRPA	Tarpa	79.43 351	eP	00 13 44.4 +0.2
JTS	Las Juntas de	79.56 87	LR	00 51 13.0
MAK	Makhachkala	79.58 332	eP	00 13 44.4 -0.6
MAK	comp=Z,8.0nm,0.9s		MLR	00 23 42.7 +0.8
MAK	Makhachkala	79.58 332	eP	00 13 44.4 -0.6
MODS	Modra-Piesok	79.61 354	eP	00 13 46.0 +0.8
MODS	Modra-Piesok	79.61 354	eP	00 13 46.0 +0.8
MODS	comp=Z,2.2nm,1.0s		pmax	
BUR08	Bucovina Ar. S	79.63 349	P	00 13 44.8 -0.6
BUR08	comp=Z,7.5nm,1.1s		I Amb	00 13 46.6
BURAR	Bucovina Array	79.65 349	eP	00 13 45.2 -0.3
BURAR	Bucovina Array	79.65 349	P	00 13 45.2 -0.3
BURAR	Bucovina Array	79.65 349	P	00 13 45.2 -0.3
BFO	Black Forest	79.90 0	eP	00 13 47.7 +0.9
KVAR	Kislodovsk Arr	79.95 336	LR	00 54 46.4
KIV	Kislodovsk	79.95 336	P	00 13 48.7 +1.5
KIV	Kislodovsk	79.95 336	I Amb	00 13 46.6 -0.6
KIV	comp=Z,5.4nm,0.7s		I Amb	00 13 49.0
KIV	Kislodovsk	79.95 336	eP	00 13 47.4 +0.2
KIV	comp=Z,8.0nm,1.1s		MLR	00 13 47.4 +0.2
ECH	Echery	80.01 1	P	00 13 46.8 -0.5
ECH	comp=Z,1.3nm,1.0s		I Amb	00 13 48.7
ECH	Echery	80.01 1	P	00 13 46.8 -0.5
ECH	comp=Z,1.3nm,1.0s		pmax	
KBZ	Khabaz	80.11 336	P	00 13 48.1 +0.2
KBZ	comp=Z,4.0nm,0.9s		pmax	
KBZ	Khabaz	80.11 336	P	00 13 47.8 -0.1
KBZ	comp=Z,4.0nm,0.9s		pmax	
KBZ	Khabaz	80.11 336	P	00 13 47.8 -0.1
KBZ	comp=Z,4.0nm,0.8s,baz=21,slow=2.8,SNR=12		LR	00 54 47.0
CONA	Conrad Observa	80.13 355	eP	00 13 49.4 +1.3
NCK	Nalchik	80.15 335	i P	00 13 48.5 +0.3
NCK	comp=Z,2.3nm,1.0s		pmax	
RONA	Rosalia, Austr	80.34 355	eP	00 13 50.3 +1.2
RJOB	Jochberg	80.44 357	eP	00 13 50.5 +0.8
BIOA	Bad Ischl, Au	80.46 357	eP	00 13 50.5 +0.7
UBR	Ueberruh	80.55 359	eP	00 13 51.1 +0.8
UBR	comp=Z,8.5nm,1.1s		pmax	
UBR	Ueberruh	80.55 359	eP	00 13 51.1 +0.8
UBR	comp=Z,8.5nm,1.1s		pmax	

GEYT	Alibeck	80.60 323	P	00 13 50.8 +0.1
GEYT	Alibeck	80.60 323	P	00 13 50.8 +0.1
GEYT	comp=Z,3.0nm,0.9s,baz=46,slow=10,SNR=8.6		LR	00 53 37.6
ZEI	Tsey	80.73 335	eP	00 13 51.3 -0.2
ZEI	comp=Z,7.0nm,1.0s		pmax	
MARR	Marisel-Ciuj	80.81 350	eP	00 13 51.9 +0.1
ARSA	Arzberg	80.83 355	eP	00 13 52.9 +1.2
MOTA	Mosalm	80.87 359	eP	00 13 53.1 +1.0
DAVA	Damulov	80.95 359	eP	00 13 53.4 +0.8
WTTA	Wattenberg	80.95 358	eP	00 13 53.7 +1.1
CTA	Charters Tower	80.99 220	LR	00 44 04.1
SQTA	Sankt Quirin	81.00 358	eP	00 13 53.9 +1.1
KBA	Koelbrenspeier	81.09 357	I P	00 13 54.6 +1.3
FETA	Feichten	81.20 359	i P	00 13 55.2 +1.3
COVR	Volneasa-Covas	81.27 348	eP	00 13 54.9 +0.8
SIRR	Sirra	81.36 351	eP	00 13 54.0 -0.6
SOKA	Soboth	81.42 356	eP	00 13 55.9 +1.0
ABTA	Abfaltersbach	81.44 358	eP	00 13 55.9 +0.8
DAVOX	Davos-Dischmet	81.45 359	LR	00 54 12.0
FUORN	Ofenpass-Fuorn	81.61 359	P	00 13 56.6 +0.4
FUORN	comp=Z,2.2nm,0.9s		I Amb	00 13 59.0
OBKA	Obi	81.61 356	eP	00 13 57.0 +1.0
MLR	Muntele Rosu	81.65 348	LR	00 54 01.2
PRED	Cave del Predi	81.71 357	I Amb	00 13 55.4 -1.1
PRED	comp=Z,1.2nm,1.3s		I Amb	00 13 58.7
SURR	Surdac	81.83 351	eP	00 13 57.1 0.0
BZS	Buzias	82.01 351	eP	00 13 57.8 -0.2
BZS	Buzias	82.01 351	eP	00 13 57.8 -0.2
HRA	Herat	82.07 318	P	00 13 58.5 -0.3
HRA	comp=Z,5.6nm,1.1s		I Amb	00 13 59.6
GZR	Gura Zlata	82.12 350	eP	00 13 59.0 +0.3
GZR	Gura Zlata	82.12 350	eP	00 13 59.0 +0.3
AKH	Akhalkakali	82.12 355	P	00 13 59.0 +0.1
AKH	comp=Z,1.9nm,1.2s		I Amb	00 14 01.6
AKH	Akhalkakali	82.12 355	P	00 13 59.0 +0.1
AKH	comp=Z,1.9nm,1.2s		pmax	
CTI	Castel Tesino	82.16 358	P	00 13 58.8 -0.1
CTI	comp=Z,8.2nm,1.1s		I Amb	00 13 59.6
CTI	Castel Tesino	82.16 358	P	00 13 58.8 -0.1
CTI	comp=Z,8.0nm,1.1s		pmax	
TIRR	Tirgusor	82.33 346	P	00 13 59.5 -0.1
TIRR	Tirgusor	82.33 346	P	00 13 59.5 -0.1
TEOL	Teolo	82.85 358	P	00 14 02.8 +0.4
GNI	Garni	82.96 333	i P	00 14 03.5 +0.2
GNI	comp=Z,1.5nm,2.3s		pmax	
BOVS	Bovan	82.96 333	LR	00 56 29.4
SJVG	San Juan	83.67 357	LR	00 52 21.4
SJVG	comp=Z,2.6nm,20.2s,baz=30,slow=40		LR	00 52 21.4
OSSC	Osservatorio P	84.69 358	P	00 14 11.3 -0.6
ARPR	Arpagir-MALATY	85.60 337	P	00 14 16.7 +0.1
ARPR	comp=Z,1.0nm,1.0s		I Amb	00 14 19.1
RDO	Rodhopi	85.98 348	P	00 14 18.7 +0.4
WR0	Warramunga Arr	85.99 230	I Amb	00 14 17.6 -0.8
WR0	comp=Z,1.5nm,1.5s		I Amb	00 14 25.3
BRTR	Keskin Array B	86.02 341	P	00 14 19.0 +0.3
BRTR	Keskin Array B	86.02 341	eP	00 14 19.5 +0.8
BRTR	comp=Z,2.0nm,0.8s		pmax	
BRTR	Keskin Array B	86.02 341	P	00 14 19.2 +0.5
BRTR	comp=Z,1.8nm,0.8s,baz=90,slow=2.5,SNR=9.7		LR	00 56 19.0
WRA	Warramunga Arr	86.07 230	P	00 14 18.2 -0.7
WRA	Warramunga Arr	86.07 230	i P	00 14 18.3 -0.5
WRA	comp=Z,1.1nm,0.8s		pmax	
WRA	Warramunga Arr	86.07 230	P	00 14 17.7 -1.2
WRA	comp=Z,1.8nm,0.8s,baz=34,slow=6.0,SNR=11		pmax	
ALN	Alexandroupoli	86.16 347	P	00 14 19.0 -0.1
ALN	Alexandroupoli	86.16 347	P	00 14 19.0 -0.1
ALN	comp=Z,1.6nm,1.0s		pmax	
BNN	Bunyan	86.40 339	P	00 14 19.8 -0.7
PSI	Prapat	87.84 272	P	00 14 27.7 -0.1
PSI	comp=Z,1.3nm,0.8s		pmax	
ESBB	Sonseca Array	87.87 10	I Amb	00 14 27.7 +0.2
ESBB	comp=Z,9.2nm,0.9s		I Amb	00 14 29.0
ESDC	Sonseca Array	87.87 10	P	00 14 27.5 0.0
ESDC	comp=Z,8.5nm,1.0s		I Amb	00 14 29.0
ESDC	Sonseca Array	87.87 10	P	00 14 27.6 +0.1
ESDC	comp=Z,8.1nm,0.9s,baz=347,slow=4.9,SNR=31		LR	00 52 30.1
RPSI	Rantau Prapat	87.92 272	P	00 14 27.7 -0.4
SDV	Santo Domingo	89.37 76	LR	00 53 44.5
AS31	Alice Springs	89.47 229	P	00 14 34.9 -0.2
AS31	comp=Z,1.6nm,0.6s		I Amb	00 14 35.9
ASAR	Alice Springs	89.47 229	P	00 14 34.6 -0.5
ASAR	Alice Springs	89.47 229	P	00 14 35.0 -0.1
ASAR	comp=Z,4.6nm,0.7s,baz=28,slow=4.9,SNR=57		LR	00 50 31.2
LEM	Lembang	90.06 259	LR	00 51 22.5
ROSC	El Rosal	90.33 82	LR	00 58 20.1
URZ	Ureweira	90.62 189	LR	00 49 12.9
IDI	Anoyia	91.83 347	LR	00 59 54.3
PCRV	Puerto La Cruz	91.89 71	LR	00 54 09.4
MMAI	Mount Meron Arr	92.10 338	P	00 14 48.2 +0.8
MMAI	comp=Z,3.4nm,0.8s,baz=21,slow=12,SNR=3.8		LR	00 01 21.2
WSAR	Wadi Sarin	93.32 315	LR	00 02 29.3
STKA	Stephens Creek	93.37 219	LR	00 51 11.6
MDT	Middelt	94.57 11	LR	00 01 30.4
PALK	Pallekele	95.31 289	LR	0

9d 2h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, PPT2, BATI, NWAO, etc.

IDC 09 01:45:29.9, 1.6, 26:05S; 177.72W, h173km, 12km, mb3.8/11, mbtmp4.3/15, Error ellipse: s-maj=20.3km s-min=12.5km az=69.0

ISC 09 01:45:28.4, 0.7, 26:00S; 0.07x177.6W, 0.1, h161km, n30, e1501/29, mb4.3/14, 5C, South of Fiji Islands

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

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Table with columns: SNAA, Sanae, Az, Phase ID, Time, Res. Includes stations like H03S2, H03S1, VNA3, etc.

KRSC 09 01:47:58.5, 0.5, 52:94N; 160.34E, h42km, 7km, M14.1, Off east coast of Kamotchatka Peninsula

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

ROM 09 01:55:50.9, 0.2, 43:64N; 0.007x10.980E; 0.010, h11km, ML0.6/10, 2C-1D, Error ellipse: s-maj=0.7km s-min=0.7km az=33.0, Central Italy

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

IDC 09 02:13:11.6, 1.6, 7:45S; 126.11E, h0km, mb4.0/2, mbtmp3.8/4, ML3.7/2, MS3.0/2, Error ellipse: s-maj=24.5km s-min=28.8km az=62.0

ISC 09 02:13:13.1, 1.4, 7:55S; 0.2x126.3E; 0.4, h10km, n10, e350/6, Banda Sea

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

IDC 09 02:13:32.5, 0.9, 34:60N; 78.76E, h0km, mb3.7/10, mbtmp3.7/15, ML3.2/5, MS3.3/13, Error ellipse: s-maj=30.7km s-min=34.8km az=63.0

BJI 09 02:13:39.0, 0.3, 34:58N; 78.79E, h121km, mb4.4/7, ISC 09 02:13:37.3, 0.7, 34:66N; 0.08x78.8E; 0.1, h35km, n34, e243/27, mb3.7/11, MS3.3/10, Kashmir-Xizang border region

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

TRN 09 02:18:39.9, 18:88N; 63.66W, h58km, MD4.6, Leeward Islands

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

Table with columns: ANDO, SJG, MBFL, MLYT, ANBD, CBE, TDBA, MAGL, SVN, SVN, SVN, PCM, BAMF, GBMF, BIM, BIM, MPOM, SLBI, SLBI. Includes station names, coordinates, and status.

IDC 09 02:46:35.4, 0.5, 32.48N, 141.48E, h0km, mb4.5/23, mbtmp4.5/27, ML3.2/3, MS3.5/15, Error ellipse: s-maj=16.9km s-min=11.5km az=59.0

NIED 09 02:46:36.3, 32.63N, 141.60E, h0km, MW4.5, Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mn2: 1.1, Mw: 1.32, Mb: -0.43, Ms: -0.04, Mm: 0.26, Mr: 0.77; Fault plane solution: Ms: 52000x, 10^15 NP1; p=360.00000, s=85.00000, t=92.00000, NP2: p=171.00000, s=85.00000, t=81.00000

JMA 09 02:46:36.3, 1.0, 33.3N, 142.14E, h0km, MV4.3/39, E OFF HACHIOJIMA ISLAND

MOS 09 02:46:37.2, 0.8, 32.45N, 141.38E, h21km, mb5.0/44, Error ellipse: s-maj=12.2km s-min=5.7km az=116.0

NEIC 09 02:46:41.9, 1.3, 32.51N, 0.09, 141.4E, 0.1, h38km, 7km, mb4.7/17, Error ellipse: s-maj=13.5km s-min=13.0km az=111.0

ISC 09 02:46:39.6, 0.4, 32.44N, 0.04, 141.55E, 0.06, h31km, n279, e=1523/275, mb4.7/103, MS3.6/11, 10C, Southeast of Honshu

Main station list table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC, Op, h, m, s, I, U, C. Lists various stations like Aogashimamukai, Hachiojimakai, Mitsune, etc.

Main station list table with columns: SONM, SONM, SHEM, SEY, ZAK, ZAK, FAKI, SANI, SOEI, ZAAO, ZALV, ZALV, ZALV, ZALV, ZALV, ZALV, TAPN, MK31, MK31, MK31, MKAR, MKAR, MKAR, MAKZ, MAKZ, MAKZ, TWSI, RAMN, JIRN, GUN, PJKI, PJKI, PKIN, KURK, KURK, KURK, KURB, PDGK, DANN, PYUN, E22K, E22K, TKM2, WB0, NEA2, NEA2, WRAB, WRAB, WRAB, WR0, WR0, WR0, WRA, WRA, WRA, WRA, WRA, WRA, MDM, MDM, HDA, HDA, IL31, IL31, ILAR, BVA0, BVA0, BRVK, BRVK, J26L, J26L, MENT, L26K, L26K, K27K, K27K, KK31, KK31, KK31, KKAR, KKAR, KKAR, KKAR, KKAR, I28M, I28M, AS31, ASAR, ASAR, ASAR, ASAR, NIL, NIL, NIL, G29M, I29M, I29M, MBWA, M29M, M29M, L29M, K29M, K29M, EPYK, EPYK, PSAA0, PSAA0, PSAA0, G30M, G30M, SONM, SONM, SONM.

Main station list table with columns: I30M, I30M, J30M, J30M, M30M, M30M, INK, INK, INK, H31M, ARU, ARU, ARU, AB31, AB31, AB31, AB31, AKTO, STKA, STKA, STKA, STKA, KIRV, FORT, EUNU, GEYT, GEYT, GEYT, GEYT, RES, RES, RES, RES, YKA, YKA, ARCES, ARCES, OBN, OBN, OBN, OBN, FINES, FINES, FINES, ZEI, ZEI, ZEI, KIBZ, KIBZ, KIV, KIV, KIV, KIV, ONI, ONI, ONI, ONI, GNI, GNI, GNI, BMO, BMO, BMO, J08A, J08A, SUMG, SUMG, SUMG, PLID, MFID, YERR, YERR, ELMT, ELMT, GURO, GURO, GURO, BMM, BMM, BMM, HLID, HLID, KVN, KVN, NVAR, NVAR, NVAR, BOZ, BOZ, BOZ, AKASG, AKASG, AKASG, AKASG, AKAB, AKAB, AKAB, HFS, HFS, ELK, ELK, ELK, ELK, DSP, DSP, NB2, NOA, NOA, GRAC, GRAC, GRAC, H17A, H17A, H17A.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes entries like IMW Indian Meadow, ARPR Arapirig-MALATY, HVU Hansel Valley, etc.

Table with columns: FUORNI, Iamb, Iamb, and other parameters. Includes entries like TX31 Lajitas Ar. Si, TX32 Lajitas Array, TXAR Lajitas Array, etc.

Table with columns: KAPI, KAPI, KAPI, and other parameters. Includes entries like KAPI Kappang, KAPI Kappang, KAPI Kappang, etc.

9d 3h

Table with columns for station call letters, frequency, and other technical details. Includes stations like MDJ, MSFV, MDOJ, etc.

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Table with columns for station call letters, frequency, and other technical details. Includes stations like ZAK, FUNA, MSFV, etc.

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Table with columns for station call letters, frequency, and other technical details. Includes stations like MDOJ, TNSN, TDK, etc.

T35A	Sooner Cattle	23.68 321	P	P	03 24 23.8	+0.5
T35A				Iamb	03 24 43.0	
comp=Z,2.7nm,1.2s						
OZNA	Ozona	23.71 303	P	P	03 24 21.7	-2.0
OZNA				Iamb	03 24 39.5	
comp=Z,3.2nm,1.2s						
WMOK	Wichita Mounta	23.80 314	P	P	03 24 22.1	-2.3
WMOK				Iamb	03 24 39.2	
comp=Z,1.7nm,1.3s						
MCRA	Macar, Loja	23.86 185	P	P	03 24 25.0	-0.2
MCRA	Macar, Loja	23.86 185	eP	P	03 24 28.3	+3.1
APMT	Aspermont	24.00 309	P	P	03 24 25.2	-1.3
APMT				Iamb	03 24 42.5	
comp=Z,6.4nm,1.4s						
SGCY	Sterling City	24.11 305	P	P	03 24 26.7	-0.9
SGCY				Iamb	03 24 43.2	
comp=Z,1.6nm,1.0s						
SAND	Sanderson	24.16 300	P	P	03 24 27.0	-1.0
SAND				Iamb	03 24 45.0	
comp=Z,1.5nm,1.4s						
BOAV	Boa Vista	24.16 333	P	P	03 24 29.5	+1.4
BOAV				Iamb	03 24 31.3	
comp=Z,3.4nm,1.5s						
BOAV	Boa Vista	24.16 133	eP	P	03 24 29.9	+1.8
DKNS	Dickens	24.75 309	P	P	03 24 53.4	+0.4
DKNS				Iamb	03 24 59.3	
comp=Z,2.9nm,1.3s						
POST	Post	24.90 307	P	P	03 24 34.6	-0.2
POST				Iamb	03 24 54.8	
comp=Z,1.9nm,1.0s						
SMWD	Samnorwood	25.00 313	P	P	03 24 35.4	-0.2
SMWD				Iamb	03 24 52.0	
comp=Z,1.5nm,0.9s						
SADO	Sadova	25.16 358	LR	LR	03 34 16.7	
				LR	03 34 16.7	
comp=Z,2.0nm,18.4s						
MNHN	Monahans	25.16 303	P	P	03 24 35.8	-1.3
MNHN				Iamb	03 25 04.9	
comp=Z,9.8nm,0.9s						
TXAR	Lajitas Array	25.24 298	P	P	03 24 36.8	-1.1
TXAR	Lajitas Array	25.24 298	P	P	03 24 38.4	+0.5
comp=Z,0.9nm,0.8s,baz=120,slow=10,SNR=9.0						
TX31	Lajitas Ar. Si	25.24 298	P	P	03 24 36.5	-1.3
TX32	Lajitas Array	25.24 298	P	P	03 24 37.1	-0.8
TX32				Iamb	03 24 56.3	
comp=Z,8.3nm,1.1s						
ALPN	Alpine	25.54 300	P	P	03 24 40.5	-0.1
ALPN				Iamb	03 24 57.5	
comp=Z,3.5nm,1.4s						
MNTX	Cornudas Mount	27.38 302	P	P	03 24 56.0	-1.2
MDP	Montagnes des	28.60 117	LR	LR	03 38 07.9	
comp=Z,6.4nm,19.7s,baz=274,slow=40						
ANMO	Albuquerque	29.42 307	LR	LR	03 38 49.3	
				LR	03 38 49.3	
comp=Z,1.67nm,19.2s,baz=214,slow=40						
LPIG	La Paz	30.27 284	LR	LR	03 40 03.9	
				LR	03 40 03.9	
comp=Z,1.26nm,18.2s,baz=98,slow=42						
NNA	Nana	31.37 178	LR	LR	03 40 38.1	
				LR	03 40 38.1	
comp=Z,2.55nm,19.3s,baz=144,slow=41						
ETMB	Extrema	31.43 157	P	P	03 25 34.1	+1.0
SAML	Samuel	31.88 151	P	P	03 25 35.7	-1.4
SAML	Samuel	31.88 151	eP	P	03 25 39.2	+2.2
ULM	Lac du Bonnet	33.76 339	LR	LR	03 40 09.8	
				LR	03 40 09.8	
comp=Z,1.60nm,18.2s,baz=122,slow=9.7,SNR=1.8						
MTPU	Mount Pierson	34.88 309	P	P	03 26 01.4	-2.2
PDAR	Pinedale Array	35.21 318	P	P	03 26 05.7	-0.5
PDAR				LR	03 41 11.1	
comp=Z,2.09nm,20.6s,baz=116,slow=38						
SCHO	Schefferville	36.23 11	LR	LR	03 40 22.5	
				LR	03 40 22.5	
comp=Z,1.02nm,20.7s,baz=184,slow=35						
REDW	Red Top Meadow	36.33 318	P	P	03 26 14.3	-1.5
MOOW	Moose Ponds	36.46 319	P	P	03 26 16.2	-0.7
FXWY	Fox Creek	36.58 318	P	P	03 26 16.2	-1.7
VILB	Vilhena	36.77 150	P	P	03 26 20.5	+1.0
SPR3	Spring Creek 3	36.80 310	P	P	03 26 20.0	+0.1
SPR3				Iamb	03 26 40.1	
comp=Z,1.13nm,1.4s						
PFO	Pinyon Flats O	36.89 300	LR	LR	03 43 37.1	
comp=Z,7.9nm,18.0s,baz=100,slow=40						
LPAZ	La Paz	36.93 164	P	P	03 26 24.2	+2.7
				LR	03 43 37.1	
comp=Z,1.3nm,0.8s,baz=112,slow=5.1,SNR=4.5						
ELK	Elko	38.09 312	LR	LR	03 44 28.6	
				LR	03 44 28.6	
comp=Z,1.15nm,18.1s,baz=106,slow=40						
SIV	San Ignacio	39.06 154	LR	LR	03 44 20.5	
				LR	03 44 20.5	
comp=Z,1.77nm,18.9s,baz=99,slow=39						
PTLB	Pontes e Lacer	39.44 151	P	P	03 26 41.9	0.0
NVAR	Mina Array Bea	39.55 307	P	P	03 26 44.4	+1.4
				LR	03 46 01.3	
comp=Z,0.4nm,0.6s,baz=120,slow=7.7,SNR=4.4						
NVAR				LR	03 46 01.3	
comp=Z,1.70nm,18.2s,baz=92,slow=41						
YERR	Yerington	40.41 308	P	P	03 26 50.0	-0.2
YERR				Iamb	03 27 26.2	
comp=Z,1.5nm,1.2s						
NEW	Newport	42.56 321	LR	LR	03 46 41.6	
				LR	03 47 20.0	
comp=Z,2.78nm,18.1s,baz=112,slow=39						
LVC	Limon Verde	42.85 168	LR	LR	03 47 20.0	
				LR	03 47 20.0	
comp=Z,6.6nm,18.6s,baz=94,slow=39						
YBH	Yreka Blue Hor	43.74 310	LR	LR	03 47 38.1	
				LR	03 47 38.1	
comp=Z,3.7nm,18.5s,baz=94,slow=39						
FRB	Frobisher Bay	44.62 6	LR	LR	03 47 13.9	
AQDB	Aquidauana	45.40 150	P	P	03 27 31.8	+1.3
BDFB	Brasilia	45.77 138	LR	LR	03 48 24.1	
				LR	03 48 24.1	
comp=Z,6.6nm,18.8s,baz=320,slow=38						
RCBR	Riachuelo	48.53 117	LR	LR	03 48 13.0	
				LR	03 48 13.0	
comp=Z,2.6nm,21.6s,baz=295,slow=36						
YKA	Yellowknife Ar	49.73 339	P	P	03 28 04.5	+0.9
YKA				LR	03 49 37.1	
comp=Z,0.9nm,0.8s,baz=131,slow=7.5,SNR=1.9						
CPUP	Villa Florida	49.85 155	LR	LR	03 51 09.7	
				LR	03 51 14.7	
comp=Z,0.9nm,0.8s						
BBB	Bella Bella	50.60 322	LR	LR	03 51 14.7	
				LR	03 52 59.1	
comp=Z,2.07nm,19.2s,baz=107,slow=38						
CFA	Coronel Fontan	51.73 169	LR	LR	03 52 59.1	
				LR	03 52 59.1	
comp=Z,6.1nm,19.6s,baz=50,slow=39						
RPN	Rapa Nui	55.45 214	LR	LR	03 47 29.2	
				LR	03 55 37.7	
comp=Z,5.9nm,20.4s,baz=110,slow=31						
INWK	Inuik	59.50 339	LR	LR	03 55 37.7	
				LR	03 55 37.7	
comp=Z,3.77nm,19.3s,baz=158,slow=37						
ILCA	Paso Flores	60.38 173	P	P	03 29 22.1	+1.2
				P	03 29 22.1	+1.2
comp=Z,3.4nm,1.1s,baz=336,slow=8.4,SNR=5.4						
E29M	Blow River	61.02 339	P	P	03 29 25.6	+0.7
I26K	Coal Creek Min	62.05 334	P	P	03 29 33.3	+1.3
ILAR	Eielson Array	63.48 333	P	P	03 29 42.4	+0.9
				P	03 29 42.4	+0.9
comp=Z,0.4nm,0.8s,baz=111,slow=3.6,SNR=5.5						
RND	Reindeer	64.11 332	P	P	03 29 47.0	+1.2
EKA	Eskdalemuir Ar	65.56 37	P	P	03 29 57.5	+2.3
				LR	03 29 57.5	+2.3
comp=Z,0.7nm,0.4s,baz=278,slow=6.1,SNR=6.1						
ESDC	Sonsea Array	65.70 55	P	P	03 29 59.3	+2.8
				LR	03 29 59.3	+2.8
comp=Z,2.7nm,1.0s						
SPITS	Spitsbergen Ar	71.90 12	P	P	03 30 36.0	+1.6
				LR	04 00 55.5	
comp=Z,6.9nm,0.8s,baz=132,slow=3.5,SNR=4.0						
TORD	Tordi Ar. Bea	76.17 81	LR	LR	04 00 55.5	
				LR	04 00 55.5	
comp=Z,1.46nm,19.6s,baz=324,slow=33						
ARCES	ARCESS Array B	76.47 21	P	P	03 31 02.9	+1.7
				LR	03 31 02.9	+1.7
comp=Z,2.1nm,0.5s,baz=285,slow=3.1,SNR=2.1						
GERES	GERESS Array B	76.64 43	P	P	03 31 04.5	+1.9
				LR	03 31 04.5	+1.9
comp=Z,1.7nm,0.9s,baz=295,slow=7.1,SNR=5.3						
FINES	FINESS Array B	79.55 28	P	P	03 31 20.6	+2.3
				LR	03 31 20.6	+2.3
comp=Z,1.7nm,0.8s,baz=300,slow=3.8,SNR=7.3						
FINES				LR	03 45 07.4	
				LR	03 45 07.4	
comp=Z,8.8nm,19.0s,baz=10,slow=35						
SHEM	Shemya Is, Ala	84.94 324	LR	LR	04 09 58.1	
				LR	04 09 58.1	
comp=Z,6.1nm,19.9s,baz=20,slow=36						
AKASO	Malin Array Be	85.47 38	P	P	03 31 51.5	+2.0
				LR	03 31 51.5	+2.0
comp=Z,1.2nm,0.8s,baz=299,slow=3.8,SNR=2.3						
SEY	Seymchan	88.80 339	LR	LR	04 16 42.0	
				LR	04 16 42.0	
comp=Z,1.22nm,18.1s,baz=76,slow=39						
MA2	Magadan	91.70 337	LR	LR	04 14 37.2	
				LR	04 14 37.2	
comp=Z,1.94nm,18.7s,baz=95,slow=36						
PETK	Petropavlovsk-	93.13 330	LR	LR	04 15 59.1	
				LR	04 15 59.1	
comp=Z,1.04nm,20.3s,baz=54,slow=37						
BRTR	Keskin Array B	93.25 46	P	P	03 32 28.9	+2.1
				LR	03 32 28.9	+2.1
comp=Z,0.5nm,0.8s,baz=254,slow=7.6,SNR=3.6						

WRA	Warramunga Ar	149.56 264	PKP	PKPdf	03 38 57.2	-0.3
WRA				PKP	03 39 01.4	-0.6
comp=Z,1.2nm,0.7s,baz=84,slow=3.2,SNR=6.8						
WRA				PKP	03 39 07.7	-0.4
ASAR	Alice Springs	150.07 256	PKP	PKPbc	03 39 02.6	-0.6
				PKP	03 39 02.6	-0.6
comp=Z,1.1nm,0.4s,baz=82,slow=4.4,SNR=19						
comp=Z,1.4nm,0.6s,baz=95,slow=2.3,SNR=13						
NEIC 09 03:28:27.9-0.9,33'45N:0'009-116'483W-0'010, h13km,2km, Error ellipse: s-maj=1.2km s-min=1.2km az=178.0						
ANF 09 03:28:27.3-0.1,33'46N:116'47W,h11km,1km,ML3,1/29, Error ellipse: s-maj=1.3km s-min=1.2km az=52.0						
NCEDC 09 03:28:28.3,33'47N:116'46W,h7km						
PAS 09 03:28:28.2-0.9,33'46N:0'008-116'470W-0'009, h8km,1km,ML3,1/284,ML3,0/50(NEIC), Error ellipse: s-maj=1.2km s-min=1.1km az=171.0						
ISC 09 03:28:27.8-0.8,33'46N:0'011-116'48W-0'011,h12km,5km, n127,-0857/192, Southern California						
Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC
				Op	h	s
				ISC	h	s
XPFO	Pion Flat	0.15	7	P	03 28 31.2	+0.4
XPFO				Pg	03 28 33.3	-0.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eileison Array.

IDC 09 03:38:19.4e.1.3, 32.34N, 139.40E, h0km, mb3.5/4, mbtmp3.4/5, ML2.5/1, Error ellipse: s-maj=46.8km...

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHCJ Hachijojimakas, JAOM Aogashimamukai, H11N2 WAKE ISLAND Hy, etc.

WARRAMUNGA ARR 52.79 187 P 03 47 32.2 -0.2

ALICE SPRINGS 56.52 187 P 03 47 59.0 -0.3

LAJITAS ARRAY 93.32 52 P 03 51 41.5 +1.0

IDC 09 03:44:51.3e.1.4, 22.09N, 94.84E, h128km, 16km, mb3.6/12, mbtmp4.0/14, MS3.4/2, Error ellipse: s-maj=28.3km...

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRDH Bariahadla, CMAR Chian Mai Arr, GUN Gumba, etc.

NEIC 09 03:54:42.0e.1.8, 10.74N, 104.61E, h10km, 2km, ML3.9/10, Error ellipse: s-maj=14.3km s-min=6.8km...

TRN 09 03:54:46.2, 10.88N, 61.85W, h23km, MD4.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TRN Trinidad (W), GRGR Grenville, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GRGR Grenville, GRHS Sauteurs, GCMF Grenada, Carri, etc.

IPEC 09 04:19:07.4-0.3, 51.62N, 16.31E, h1km, ML2.0/3, Error ellipse: s-maj=2.8km s-min=1.5km az=55.0...

VIE 09 04:19:08.2-1.5, 51.53N, 16.49E, h0km, mb2.4/3, ml2.5/5, Error ellipse: s-maj=17.3km s-min=9.2km az=101.0...

PRU 09 04:19:09.0, 51.56N, 16.13E, h0km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSP Ksiaz, CHVC Chvalec, OSTC Ostas, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CONA Conrad Observa, RONA, MOA, ARSA, KBA, KBA.

RSNC 09 04:20:50.5-1.9, 6.90N, 78.10W, h4km, 7km, ML3.1, Mw3.7

UPA 09 04:20:51.7-1.5, 6.85N, 77.95W, h43km, 999km, MD4.4

ISC 09 04:20:48.2-1.8, 6.88N, 0.03:78.06W, 0.03, h4km, 13km, n37, e207/69, 1C-1D, South of Panama

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PTAC Punta Arditia, SOLC Bahia Solano, APAC Apartado, etc.

UCR 09 04:52:21.4-0.5, 8.27N, 82.72W, h0km, 7km, MW3.8

UPA 09 04:52:24.3-1.7, 8.29N, 82.76W, h20km, 4km, MD3.9

ML4.0, MW4.2
ISC 09 04:52:24.7-1.1, 8.30N;0.05;82.74W;0.03,h26km,8km,
n39,-0.92/49,5C-10D, Panama-Costa Rica border
region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists stations like Petroterminal, Canoaes, David, etc.

NOU 09 04:53:57.3, 37.61'S;176.32E,h340km, MLV3.5/10, North
Island, New Zealand
WEL 09 04:54:04.4-0.9, 38.37'S;177.62E;h271km,8km, MS3.0/33,
MLV3.0/33, Error ellipse: s-maj=0.0km s-min=0.0km
az=158.4, confirmed

ISC 09 04:53:55.6-1.6, 37.58S;0.08;176.29E;0.08,
h338km,10km,n113,-0.199/9118, North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists stations like Tahuroa Road, Urewera, Kuaotunu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists stations like KIW, TMWZ, MTW, CAW, DUWZ, etc.

NOU 09 04:58:55.0, 22.07'S;169.31E, h0km, MLV4.4/10,
Southeast of Loyalty Islands

ISC 09 04:58:58.8, 2.6, 21.85S;168.90E, h0km, mb3.8/3,
mbtmp3.8/4, ML4.0/1, MS3.5/14, Error ellipse:
s-maj=97.8km s-min=26.9km az=161.0

ISC 09 04:58:01.6-1.2, 21.97S;0.10;168.11E;0.1, h31km, n30,
-0.79/20, mb4.2/6, MS3.8/12, SC, Southeast of Loyalty
Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, TMZ, etc.

WRA Waramunga Arr 32.44 267 P P 05 05 29.2 -0.1

WNAO Nargoin (SRO) 46.86 245 LR LR 05 05 27.07

MAW Mawson 55.72 182 LR LR 05 04 01.3

SEY Seymchan 85.64 352 LR LR 05 04 02.2

SNAI Snae 86.44 183 P P 05 05 11.407 -0.2

SNAI Snae 86.44 183 LR LR 05 04 00.2

VNA3 Neumayer Olymp 87.04 180 P P 05 05 14.34 -0.4

VNA2 Neumayer-Watz 87.33 181 P P 05 05 11.452 -0.1

YBH Yreka Blue Hor 89.37 44 LR LR 05 04 50.3

BBB Bella Bella 91.84 33 LR LR 05 04 36.35

TXAR Lajitas Array 98.21 62 LR LR 05 05 12.33

GERES GERES Array B 146.78 300 PKPbc PKPab 05 05 18.418 -0.1

ISC 09 05:05:29.0, 1.1, 16.58N;95.43W, h0km, mb3.9/8,
mbtmp3.9/10, ML3.2/4, MS3.4/8, Error ellipse:
s-maj=18.7km s-min=10.9km az=143.0

CATAC 09 05:05:30.7, 0.9, 16.13N;95.56W, h239km, 15km, ML5.3,
Hypocentre not reviewed by the ISC
NEIC 09 05:05:30.5, 2.7, 16.16N;95.46W, 0.03, h10km, 1km,
mb4.3/15, Md4.6/3(MEX), Error ellipse: s-maj=8.2km
s-min=4.3km az=194.0

MEX 09 05:05:32.3, 1.0, 16.47N;95.44W, h58km, 12km, MD4.4
GCG 09 05:05:44.5, 3.2, 15.05N;95.13W, h50km, 1km, MD4.6
ISC 09 05:05:29.1, 2.6, 16.49N;0.03;95.43W;0.02, h2km, 18km,
n182,-0.176/171, mb4.3/27, MS3.3/7, Oaxaca

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Lists stations like PEIG, Tuzandepet, Yosondua, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like POC Station P, Limon Verde, Tunca, Juan Fernandez, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NRN, ARLS, BOOM, AML, etc.

0.3nm,0.6s,baz=51,slow=6.5,SNR=1.7
BVAR Borovoye Array 54.04 312 P P 07 32 09.1 -0.2

TXAR Lajitas Array 65.28 74 P P 07 33 27.5 +0.3

BER 09 07:24:55.9-0.2,71.20N;7.82W,h10km,ML3.1, Confirmed Earthquake

ISC 09 07:24:56.4-2.1,71.227N;0.066-8.1W;0.2,h10km,n5, 0.8nm,0.5s

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Jan Mayen East, Jan Mayen, Jan Mayen.

ISC 09 07:27:00.4-5.3,23.32S;176.10W,h146km,47km,mb3.3/5, mbtmp3.6/6,MS3.2/1, Error ellipse: s-maj=37.6km

ISC 09 07:27:00.6-1.2,23.35S;0.176-1.1W;0.2,h150km,n10, 0.6nm,0.5s

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Nonsavu, Stephens Creek, ASAR, WRA, QSPA, H03S2, H03S1, H03S3, TXAR, AKASG.

ISC 09 07:32:22.8-1.0,44.38N;28.38W,h0km,mb3.8/9, mbtmp3.7/10,ML3.7/1,MS3.4/2, Error ellipse: s-maj=34.3km

ISC 09 07:32:22.1-2.0,44.3N;0.1-2.8;39V;0.09,h10km,1km, mb4.5/18, Error ellipse: s-maj=20.6km

ISC 09 07:32:22.0-0.6,44.28N;0.09-28.39W;0.08,h10km,n33, 0.113/32,mb4.0/13, AzZ=13, AzZ=13, AzZ=13

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ROSA, PMLA, COI, MTE, PESTR, MORF, PVAO, ESDC, ESK, EKB, AVE, CLF, MDT, ANGG, SENIN, CLL, F63A, SUMG, FINES, FIAT, TOAO, TOR, BRTR, PDAR, TXAR, BVAR, NVAR, KURBB, ZALV, MKAR.

ISC 09 07:35:42.1-2.8,52.29N;170.46E,h0km,mb3.4/2, mbtmp3.6/4,ML3.2/2, Error ellipse: s-maj=90.1km

ISC 09 07:35:44.3-2.4,52.0N;0.2-170.4E;0.1,h22km,8km, mb3.8/14, Error ellipse: s-maj=26.0km

ISC 09 07:35:44.6-1.4,52.1N;0.3-170.28E;0.06,h35km,n25, 0.165/27,mb3.8/10, Near Islands

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SHEM, AMKA, PEA0B, PETK, IMAR, TOLK, IL31, ILAR, C23K, J25K, GLB, D25K, BMAR, BARN, H29M, K29M, TXAR, SJA, NEIC, VAO, GUC, NEIC, CO06, CO07, CO08, CO09, CO10, CO11, CO12, CO13, CO14, CO15, CO16, CO17, CO18, CO19, CO20, CO21, CO22, CO23, CO24, CO25, CO26, CO27, CO28, CO29, CO30, CO31, CO32, CO33, CO34, CO35, CO36, CO37, CO38, CO39, CO40, CO41, CO42, CO43, CO44, CO45, CO46, CO47, CO48, CO49, CO50, CO51, CO52, CO53, CO54, CO55, CO56, CO57, CO58, CO59, CO60, CO61, CO62, CO63, CO64, CO65, CO66, CO67, CO68, CO69, CO70, CO71, CO72, CO73, CO74, CO75, CO76, CO77, CO78, CO79, CO80, CO81, CO82, CO83, CO84, CO85, CO86, CO87, CO88, CO89, CO90, CO91, CO92, CO93, CO94, CO95, CO96, CO97, CO98, CO99, CO100.

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MT05, MT06, MT07, MT08, MT09, MT10, MT11, MT12, MT13, MT14, MT15, MT16, MT17, MT18, MT19, MT20, MT21, MT22, MT23, MT24, MT25, MT26, MT27, MT28, MT29, MT30, MT31, MT32, MT33, MT34, MT35, MT36, MT37, MT38, MT39, MT40, MT41, MT42, MT43, MT44, MT45, MT46, MT47, MT48, MT49, MT50, MT51, MT52, MT53, MT54, MT55, MT56, MT57, MT58, MT59, MT60, MT61, MT62, MT63, MT64, MT65, MT66, MT67, MT68, MT69, MT70, MT71, MT72, MT73, MT74, MT75, MT76, MT77, MT78, MT79, MT80, MT81, MT82, MT83, MT84, MT85, MT86, MT87, MT88, MT89, MT90, MT91, MT92, MT93, MT94, MT95, MT96, MT97, MT98, MT99, MT100.

9d 7h

Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes stations like ITRB Iturama, PETO Itanhem-SP, SPB Sao Paulo, etc.

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Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes stations like OXF Oxford, WHTX Lake Whitney, TXAR Lajitas Array, etc.

600

Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes stations like MVCO Mesa Verde, GLMI Grayling, PDMCI Parker Dam, Lak, etc.

9d 7h

LSA	comp=Z,14um,21.0s	LR	LR				
LSA	Lhasa comp=Z,12um,22.0s	42.90 280	IAMS_20	IAMS_20	08 08 09.8		
TAWA	42.95 277	eP	P		07 50 09.1 -0.5		
WMQ	Urungqi	43.12 301	pP	sP	07 50 10.1 -0.3		
WMQ			S		07 50 16.8 +0.6		
WMQ	comp=Z,63nm,1.7s		pmax	pmax	07 56 36.6 +0.9		
WMQ	comp=Z,3um,6.3s		LR	LR			
WMQ	comp=Z,14um,16.3s		LR	LR			
WMQ	comp=Z,14um,13.9s		LR	LR			
SHL	comp=Z,9um,17.9s		LR	LR			
SHL	Shillong	43.63 274	P	P	07 50 13.5 -1.4		
SHL	Shillong	43.63 274	iP	P	07 50 12.2 -2.7		
SHL	Shillong	43.63 274	P	P	07 50 13.8 -1.1		
SHL	Shillong	43.63 274	P	P	07 50 13.5 -1.4		
SHL	comp=Z,65nm,1.0s		pmax	pmax			
SHL	comp=Z,12um,21.0s		MLR	MLR			
BBKI	Banjar Baru	43.81 220	P	P	07 50 14.6 -1.6		
SAIH	SAIHA	43.88 269	eP	P	07 50 14.9 -1.9		
TNA	Tin City	44.79 27	P	P	07 50 25.4 +2.0		
MMRI	Maumere	44.85 208	P	P	07 50 25.1 +0.7		
MMRI	Maumere	44.85 208	P	P	07 50 24.1 -0.3		
ZSN	Zaisan	44.93 307	iP	P	07 50 25.6 +0.7		
ZSN	baz=307		eS	S	07 57 03.4 +1.4		
ZSN	Zaisan	44.93 307	iP	P	07 50 25.5 +0.7		
ZSN	Zaisan	44.93 307	eS	S	07 50 27.0 +1.8		
K13K	Kisilyvak Mount	45.06 276	IAMB	IAMB	07 50 39.8		
DHUB	DHUBRI	45.06 276	IAMB	IAMB	07 50 39.8		
SURA	Surathani	45.11 249	P	P	07 50 26.9 +0.3		
ZAAO	Zalesovo Array	45.13 316	P	P	07 50 25.4 +0.8		
ZAAO	comp=Z,121nm,1.1s		IAMS_20	IAMS_20	08 09 54.1		
ZAAO	comp=Z,7um,20.0s		IAMS_20	IAMS_20	07 50 54.1 -0.8		
ZALV	Zalesovo Beam	45.13 316	P	P	07 50 26.7 +0.5		
ZALV	Zalesovo Beam	45.13 316	iP	P	07 50 26.7 +0.5		
ZALV	comp=Z,34nm,0.8s		pmax	pmax			
ZALV	Zalesovo Beam	45.13 316	P	P	07 50 25.9 -0.3		
ZALV	comp=Z,34nm,0.8s,ba=101,slow=6,SNR=62		PcP	PcP	07 52 07.2 +0.7		
ZALV	comp=Z,25nm,0.9s,ba=110,slow=3.9,SNR=2.9		LR	LR	08 10 04.2		
ZALV	comp=Z,7um,19.3s,ba=96,slow=37		LR	LR			
ZALV	comp=Z,34nm,0.8s						
SOEI	Soe	45.13 204	P	P	07 50 25.5 -1.3		
SOEI	Soe	45.13 204	P	P	07 50 27.9 +1.1		
SOEI	Soe	45.13 204	P	P	07 50 23.2 -3.6		
SOEI	Soe	45.13 204	P	P	07 50 24.6 -2.2		
SOEI	Soe	45.13 204	iP	P	07 50 24.6 -2.2		
EDFI	Ende, Flores	45.17 208	P	P	07 50 25.7 -1.4		
M13K	Dali Lake	45.25 35	P	P	07 50 29.0 +2.0		
HNR	Honhosa	45.26 154	LR	LR	08 08 32.1		
F14K	Archie	45.38 28	P	P	07 50 30.5 +2.5		
J14K	Nanvaranak Lak	45.71 32	P	P	07 50 33.3 +2.6		
KDU	Kakadu	45.76 192	P	P	07 50 31.7 +0.1		
KDU	Kakadu	45.76 192	iP	P	07 50 30.9 -0.7		
BATI	Baumata	45.77 205	P	P	07 50 30.8 -0.9		
BATI	Baumata	45.77 205	LR	LR	08 08 16.5		
L14K	Kuka Creek	45.77 34	P	P	07 50 33.5 +2.3		
M14K	Bethel	45.99 35	P	P	07 50 35.9 +2.9		
SDPT	Sand Point	46.00 42	P	P	07 50 36.6 +3.5		
SDPT	Sand Point	46.00 42	P	P	07 50 35.9 +2.9		
O14K	Tiguykauivert M	46.06 37	P	P	07 50 36.5 +2.9		
F15K	North Star Dit	46.12 28	P	P	07 50 36.2 +2.3		
G15K	Niuluk	46.14 29	P	P	07 50 36.6 +2.6		
MTN	Manton Dam	46.17 194	P	P	07 50 34.1 -0.7		
MTN	Manton Dam	46.17 194	P	P	07 50 34.8 0.0		
COEN	Coen	46.22 178	P	P	07 50 36.3 +1.1		
COEN	comp=Z,69nm,0.8s		IAMS_20	IAMS_20	08 08 10.7		
COEN	comp=Z,8um,21.0s		P	P	07 50 37.6 +2.4		
COEN	Coen	46.22 178	iP	P	07 50 36.9 +1.7		
L15K	Ungalak Mouta	46.40 34	P	P	07 50 38.9 +2.3		
CHNA	Chernabura Isl	46.47 43	P	P	07 50 37.6 +0.8		
CNBA	Chernabura Isl	46.47 43	IAMS_20	IAMS_20	08 06 09.7		
TAPN	Taplejung	46.52 278	eP	P	07 50 37.9 -0.1		
MK31	Makanchi Array	46.72 306	P	P	07 50 39.1 +0.1		
MK31	Makanchi Array	46.72 306	P	P	07 50 39.1 +0.1		
MKAR	Makanchi Array	46.72 306	P	P	07 50 40.1 +1.1		
MKAR	Makanchi Array	46.72 306	P	P	07 50 39.5 +0.5		
MKAR	comp=Z,203nm,0.7s,ba=88,slow=8,SNR=358		PcP	PcP	07 52 12.5 +0.2		
MKAR	comp=Z,11nm,0.8s,ba=69,slow=7.9,SNR=1.2		LR	LR	08 10 59.9		
MKAR	comp=Z,14um,19.4s,ba=95,slow=37		LR	LR			
KULM	Kulim	46.75 243	P	P	07 50 38.8 -0.7		
KULM	Kulim	46.75 243	iP	P	07 50 38.4 -1.1		
H16K	Elim	46.77 29	P	P	07 50 40.1 +1.0		
O15K	Ungalithiuk R	46.78 37	P	P	07 50 41.0 +1.8		
N15K	Kwetluk River	46.80 36	P	P	07 50 41.1 +1.7		
PLAI	Plampang	46.93 213	P	P	07 50 39.2 -1.6		
PLAI	Plampang	46.93 213	P	P	07 50 38.2 -2.6		
MAKZ	Makanchi	46.94 306	iP	P	07 50 40.4 -0.3		
MAKZ	Makanchi	46.94 306	iP	P	07 50 40.1 +0.3		
MAKZ	Makanchi	46.94 306	P	P	07 50 40.4 -0.3		
MAKZ	comp=Z,135nm,0.8s		MLR	MLR			
ODAN	Odare	46.95 278	eP	P	07 50 41.0 -0.3		
CHGN	Chignik	47.23 41	P	P	07 50 43.7 +1.0		
TWSI	Taliwang, Sumb	47.27 214	P	P	07 50 41.8 -1.7		
L16K	Owhat River	47.35 34	P	P	07 50 45.0 +1.4		
M16K	Timber Creek	47.48 35	IAMS_20	IAMS_20	08 06 00.7		
M16K	Timber Creek	47.48 35	P	P	07 50 45.4 +0.7		
N16K	Nishilik Lake	47.49 35	P	P	07 50 46.1 +1.3		
SRBI	Singaraja	47.52 217	P	P	07 50 44.5 -0.9		
C17K	Delong Moutai	47.58 24	P	P	07 50 46.9 +1.5		

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RAMN	Ramite	47.58 278	eP	P	07 50 46.0 -0.2		
E17K	Hotham Inlet	47.63 26	P	P	07 50 46.7 +1.0		
G17K	Kwakik Mouta	47.65 29	P	P	07 50 47.4 +1.5		
F17K	Baldwin Pennin	47.66 27	P	P	07 50 47.2 +1.3		
J1RN	Jiri	47.68 279	eP	P	07 50 46.9 -0.2		
P16K	Nushagak River	47.70 37	P	P	07 50 46.2 -0.1		
O16K	Kokwok River B	47.71 37	P	P	07 50 47.7 +1.3		
ABJI	Asem Bagus	47.77 218	P	P	07 50 45.5 -1.9		
H17K	Granite Mouta	47.81 29	P	P	07 50 48.4 +1.2		
GUN	Gumba	47.85 280	eP	P	07 50 48.4 -0.1		
SEM	Semipalatinsk	47.87 311	iP	P	07 50 47.3 -0.9		
SEM	comp=Z,8um,15.7s,ba=311		LR	LR	08 10 50.6		
SEM	Semipalatinsk	47.87 311	iP	P	07 50 47.2 -0.9		
SEM	comp=Z,183nm,2.9s,ba=311		pmax	pmax			
SEM	comp=Z,183nm,2.9s		MLR	MLR			
L17K	Donlin	47.97 33	P	P	07 50 49.7 +1.2		
K17K	Iditrod	48.07 33	P	P	07 50 50.6 +1.5		
E18K	Tukphalearik C	48.18 26	P	P	07 50 51.7 +1.8		
IGBI	Denpasar	48.18 216	P	P	07 50 48.6 -2.0		
O17K	Koliganek Bris	48.24 37	P	P	07 50 52.0 +1.5		
M17K	Hulita River	48.27 34	P	P	07 50 52.2 +1.5		
N17K	Nushagak Hills	48.28 36	P	P	07 50 52.5 +1.7		
C18K	Utukok River	48.33 24	P	P	07 50 52.6 +1.4		
B18K	Kokolik River	48.35 23	P	P	07 50 52.2 +1.0		
Q16K	King Salmon	48.36 38	P	P	07 50 52.3 +0.9		
PKI	Pulokki	48.36 280	eP	P	07 50 52.0 -0.4		
PKIN	Phulchoki	48.37 280	eP	P	07 50 52.3 -0.1		
JAGI	Jajag, Banyuwa	48.39 217	P	P	07 50 52.4 +0.2		
JAGI	Jajag, Banyuwa	48.39 217	P	P	07 50 50.0 -2.2		
JAGI	Jajag, Banyuwa	48.39 217	iP	P	07 50 49.9 -2.3		
KKK	Kakani	48.40 280	eP	P	07 50 52.9 +0.4		
R17K	Ugashik Creek	48.43 39	P	P	07 50 52.9 +0.9		
H18K	Honhosa River	48.50 29	P	P	07 50 53.6 +1.1		
G18K	Taggawik	48.55 28	P	P	07 50 54.2 +1.3		
DMN	Daman	48.60 280	eP	P	07 50 53.8 -0.3		
L18K	Granite Mouta	48.73 33	P	P	07 50 55.7 +1.5		
Q17K	Contact Creek	48.73 39	P	P	07 50 54.8 +0.3		
CHIR	Chirikof Islan	48.77 42	IAMS_20	IAMS_20	08 09 06.0		
GKN	Gorkha	48.86 280	eP	P	07 50 55.8 -0.2		
KURK	Kurchatov	48.89 311	P	P	07 50 54.7 -1.0		
KURK	Kurchatov	48.89 311	P	P	07 50 54.4 -1.3		
KURK	Kurchatov	48.89 311	S	S	07 50 55.1 -1.5		
KURK	Kurchatov	48.89 311	iP	P	07 50 55.3 -0.4		
KURK	Kurchatov	48.89 311	eP	P	07 50 55.1 -0.6		
KURK	comp=Z,131nm,0.8s		pmax	pmax			
J18K	Innokov River	48.90 32	P	P	07 50 55.4 -0.2		
NGJI	Ngawi	48.91 221	P	P	07 50 56.3 +0.1		
N18K	Kilae Creek	48.93 35	P	P	07 50 56.9 +1.1		
KURBB	Kurchatov Arra	48.96 311	P	P	07 50 55.4 -0.8		
KURBB	Kurchatov Arra	48.96 311	P	P	07 50 55.0 -0.2		
KURBB	comp=Z,61nm,0.7s,ba=89,slow=7.7,SNR=94		S	S	07 58 10.2 +1.1		
KURBB	comp=Z,2.5nm,0.2s,ba=83,slow=15,SNR=6.3		LR	LR	08 12 26.2		
KURBB	comp=Z,28nm,18.3s,ba=87,slow=37		LR	LR			
KURBB	comp=Z,61nm,0.7s		LR	LR			
C19K	Lookout Ridge	49.02 24	IAMS_20	IAMS_20			

KUU	baz=303	eS	S	07 58 31.7	+0.1		
KUU	baz=303	LR	LR	08 12 54.2			
KUU	comp=Z,5um,13.2s,ba3=303	/P	P	07 51 13.7	-0.1		
KUU		eS	S	07 58 31.6	+0.1		
KUU		MLR	MLR				
F22K	comp=Z,5um,13.0s						
F22K	John River	51.37	27	P	P	07 51 14.4	+0.1
D22K	baz=262,SNR=9.9	51.39	25	P	P	07 51 15.3	+0.8
B22K	Teshkepuk Lake	51.41	23	IAMS_20	IAMS_20	08 11 18.9	
B22K	Teshkepuk Lake	51.41	23	P	P	07 51 15.9	+1.5
SUA	Susitna One	51.48	35	P	P	07 51 16.1	+0.9
H22K	baz=269	51.49	29	P	P	07 51 16.2	+1.0
BPAW	Bear Paw Mtn.	51.50	31	P	P	07 51 15.6	+0.3
BPAW	baz=269	IAMS_20	IAMS_20	08 14 00.6			
BPAW	Bear Paw Mtn.	51.50	31	P	P	07 51 16.7	+1.4
G22K	Bettles	51.55	28	P	P	07 51 16.7	+1.1
E22K	Anaktuvuk Pass	51.59	26	P	P	07 51 16.7	+0.7
ULHL	Ulahol	51.64	301	P	P	07 51 17.4	+0.4
GS1	Gungungisitol	51.66	242	P	P	07 51 15.9	-1.2
GS1	Gungungisitol	51.66	242	P	P	07 51 18.4	+1.3
GS1	Gungungisitol	51.66	242	P	P	07 51 15.3	-1.8
MLY	Manley	51.68	30	P	P	07 51 17.3	+0.7
MLY	Manley	51.68	30	P	P	07 51 17.1	+0.4
TV1H	Townsville Har	51.72	174	P	P	07 51 19.4	+2.1
TRF	Thorofore Moun	51.77	32	P	P	07 51 18.6	+1.1
TRF	Thorofore Moun	51.77	32	P	P	07 51 17.8	+0.3
M22K	Willow	51.78	34	P	P	07 51 18.1	+0.7
MNAI	Manna	51.80	232	IAMS_20	IAMS_20	08 13 42.7	
BOOM	comp=Z,5um,20.0s						
BOOM	Boomskeye usch	51.81	301	P	P	07 51 17.9	-0.2
BOOM	Boomskeye usch	51.81	301	P	P	07 51 17.9	-0.2
BOOM	comp=Z,60nm,1.0s						
BOOM		MLR	MLR				
RC01	comp=Z,14um,19.0s						
RC01	Rabbit Creek A	51.96	35	P	P	07 51 19.9	+1.2
RC01		IAMS_20	IAMS_20	08 15 56.8			
RC01	Rabbit Creek A	51.96	35	P	P	07 51 19.1	+0.4
JHSG	JHARSUGUDA	51.96	273	eP	P	07 51 18.7	-0.6
O22K	Chopar Landing	51.97	36	IAMS_20	IAMS_20	08 10 56.8	
TKM2	Tokmak 2	51.97	302	P	P	07 51 21.0	+1.6
TKM2	SNR=16						
TKM2	Tokmak 2	51.97	302	iP	P	07 51 18.2	-1.2
PTH	comp=Z,149nm,1.3s						
PTH	Phthoragarh	51.98	284	iP	P	07 51 18.7	-0.9
NRN	Naryn	51.99	300	P	P	07 51 19.2	-0.5
NRN		IAMB	IAMB	07 51 33.2			
NRN	Naryn	51.99	300	P	P	07 51 19.2	-0.5
NRN		pmax	pmax				
LGTI	Lohaghat	51.99	284	iP	P	07 51 20.0	+0.6
SEW	Seward	52.09	36	P	P	07 51 20.3	+0.6
COLD	baz=270	52.10	27	P	P	07 51 20.8	+1.1
COLD	Coldfoot	52.10	27	P	P	07 51 20.8	+1.1
G23K	Bananza Creek	52.12	28	P	P	07 51 21.0	+1.1
G23K	Bananza Creek	52.12	28	P	P	07 51 20.5	+0.7
D23K	Namushuk River	52.12	25	P	P	07 51 20.3	+0.4
ALBI	Allahabad	52.19	278	iP	P	07 51 19.1	-1.9
ALBI		IAMB	IAMB	07 51 26.2			
H23K	Yukon River	52.24	29	P	P	07 51 21.1	+0.4
PMR	Palmer	52.25	34	P	P	07 51 25.2	+4.3
PMR	Palmer	52.25	34	P	P	07 51 21.3	+0.4
C23K	Iktilik River	52.27	24	IAMS_20	IAMS_20	08 12 41.7	
C23K	Iktilik River	52.27	24	P	P	07 51 21.2	+0.3
I23K	Minto, Yukon-K	52.27	30	P	P	07 51 21.5	+0.6
NEA2	Nenana	52.36	31	P	P	07 51 22.1	+0.5
NEA2		IAMB	IAMB	07 51 33.0			
NEA2	Nenana	52.36	31	P	P	07 51 22.6	+0.9
MCK	McKinley	52.39	32	P	P	07 51 22.3	+0.4
E23K	Chandalar	52.40	26	P	P	07 51 22.2	+0.2
WB0	Warramunga Arr	52.42	188	P	P	07 51 22.6	0.0
WB0		IAMS_20	IAMS_20	08 12 03.9			
WB9	Warramunga Arr	52.44	188	IAMS_20	IAMS_20	08 12 03.6	
KSH	Kashi	52.45	297	P	P	07 51 26.4	+3.5
KSH		sP	pWP	07 51 38.3	+5.2		
KSH		PP	PP	07 53 24.3	+2.7		
KSH		S	S	07 58 50.0	+1.6		
KSH		pmax	pmax				
KSH	comp=Z,64nm,0.8s						
KSH		pmax	pmax				
KSH	comp=Z,3um,8.4s						
KSH		LR	LR				
KSH	comp=Z,12um,15.5s						
KSH		LR	LR				
KSH	comp=Z,21um,17.5s						
KSH		LR	LR				
WB8	Warramunga Arr	52.47	188	IAMS_20	IAMS_20	08 12 04.2	
TOLK	Toolik Lake Re	52.48	26	P	P	07 51 23.3	+0.7
TOLK		IAMB	IAMB	07 51 44.5			
TOLK	Toolik Lake Re	52.48	26	P	P	07 51 22.5	0.0
CTA	Charters Tower	52.49	174	LR	LR	08 12 44.1	
CTA	Charters Tower	52.49	174	P	P	07 51 24.0	+0.9
CTA		IAMB	IAMB	07 51 40.4			
CTA	comp=Z,172nm,1.4s						
CTA	Charters Tower	52.49	174	IAMS_20	IAMS_20	08 12 31.1	
CTA	Charters Tower	52.49	174	P	P	07 51 25.8	+2.8
CTA	Charters Tower	52.49	174	iP	P	07 51 26.7	+3.7
CTA	Charters Tower	52.49	174	P	P	07 51 24.0	+0.9
WB7	Warramunga Arr	52.49	188	IAMS_20	IAMS_20	08 12 16.9	
WB7	Karagaybulak	52.49	301	P	P	07 51 23.9	+0.6
WB6	Warramunga Arr	52.51	188	IAMS_20	IAMS_20	08 12 16.3	
WB5	Warramunga Arr	52.53	188	IAMS_20	IAMS_20	08 13 11.9	
WAT1	Susitna Watana	52.54	33	P	P	07 51 23.4	+0.3
WB4	Warramunga Arr	52.56	189	IAMS_20	IAMS_20	08 13 21.6	
SGD5	Sogindy	52.56	302	iP	P	07 51 23.6	+0.1
SGD5							
SGD5	Sogindy	52.56	302	iP	P	07 51 23.3	-0.3
SGD5		pmax	pmax				
CHMS	Chumysh	52.56	302	P	P	07 51 24.6	+1.0
KNK	Knik Glacier	52.58	35	IAMS_20	IAMS_20	08 14 39.1	
KNK	Knik Glacier	52.58	35	P	P	07 51 23.1	-0.3
WB3	Warramunga Arr	52.58	189	IAMS_20	IAMS_20	08 12 08.1	

WC2	Warramunga Arr	52.58	188	IAMS_20	IAMS_20	08 12 10.2	
WC2	Warramunga Arr	52.58	189	IAMS_20	IAMS_20	08 12 18.2	
WRAB	Warramunga Arr	52.59	189	IAMS_20	IAMS_20	08 12 08.4	
WRAB	Tennant Creek	52.59	189	P	P	07 51 24.0	+0.2
WRAB	Tennant Creek	52.59	189	iP	P	07 51 23.5	-0.2
WRAB	Tennant Creek	52.59	189	eP	P	07 51 23.4	-0.4
WRAB		pmax	pmax				
WR0	Warramunga Arr	52.59	188	IAMS_20	IAMS_20	08 12 07.5	
WR0	Warramunga Arr	52.59	188	IAMS_20	IAMS_20	08 12 07.5	
WR9	Warramunga Arr	52.59	188	IAMS_20	IAMS_20	08 12 07.5	
WR7	Warramunga Arr	52.59	188	IAMS_20	IAMS_20	08 13 12.6	
WR6	Warramunga Arr	52.59	188	IAMS_20	IAMS_20	08 12 07.6	
WR5	Warramunga Arr	52.60	188	IAMS_20	IAMS_20	08 12 08.6	
WR5	Warramunga Arr	52.60	189	IAMS_20	IAMS_20	08 12 08.7	
WR4	Warramunga Arr	52.60	188	IAMS_20	IAMS_20	08 12 08.7	
WR1	Warramunga Arr	52.60	189	IAMS_20	IAMS_20	08 12 08.7	
WR3	Warramunga Arr	52.60	188	IAMS_20	IAMS_20	08 12 08.7	
WR3	Warramunga Arr	52.60	189	P	P	07 51 22.9	-1.0
WRA	Warramunga Arr	52.60	189	P	P	07 51 22.9	-1.0
WRA		pmax	pmax				
WRA	comp=Z,28nm,1.1s						
WRA		MLR	MLR				
WRA	comp=Z,700nm,20.0s						
WRA	Warramunga Arr	52.60	189	P	P	07 51 23.2	-0.7
WRA	comp=Z,147nm,0.8s,ba3=4.7,slow=7.6,SNR=450						
WRA		ScP	ScP	07 56 30.8	+0.6		
WRA	comp=Z,3.4nm,0.8s,ba3=3.2,slow=4.6,SNR=4.6						
WRA		S	S	07 58 46.7	-3.5		
WRA	comp=Z,33nm,1.2s,ba3=3.8,slow=14,SNR=12						
WRA		LR	LR	08 12 20.0			
WR2	Warramunga Arr	52.60	188	IAMS_20	IAMS_20	08 12 08.7	
WR2	Warramunga Arr	52.60	188	IAMS_20	IAMS_20	08 12 08.7	
WC3	Warramunga Arr	52.61	188	IAMS_20	IAMS_20	08 12 09.0	
WB1	Warramunga Ar	52.61	189	IAMS_20	IAMS_20	08 12 20.1	
WC4	Warramunga Arr	52.62	189	IAMS_20	IAMS_20	08 12 19.2	
SML	Sawmill	52.63	34	IAMS_20	IAMS_20	08 09 04.6	
SML	Sawmill	52.63	34	P	P	07 51 24.0	+0.2
PWL	Port Wells	52.64	35	IAMS_20	IAMS_20	08 11 27.7	
PWL	Port Wells	52.64	35	P	P	07 51 24.3	+0.5
BTL5	Baital	52.66	305	iP	P	07 51 24.1	-0.1
BTL5		pmax	pmax				
USP	Ospenovka	52.69	302	P	P	07 51 24.6	+0.1
MDM	Murphy Dome	52.74	30	P	P	07 51 24.6	+0.1
MDM		IAMB	IAMB	07 51 35.8			
BRZ5	Berezinski	52.75	311	iP	P	07 51 24.8	0.0
BRZ5	Berezinski	52.75	311	iP	P	07 51 24.8	0.0
WRH	Wood River Hill	52.78	31	P	P	07 51 25.7	+0.9
QIS	Mount Isa	52.79	182	P	P	07 51 27.3	+2.0
D24K	Happy Valley	52.81	25	P	P	07 51 25.1	+0.2
AAK	Ala-Archa	52.83	301	P	P	07 51 26.0	+0.3
AAK	Ala-Archa	52.83	301	P	P	07 51 25.1	-0.6
AAK	Ala-Archa	52.83	301	iP	P	07 51 26.6	+1.0
AAK	Ala-Archa	52.83	301	P	P	07 51 26.4	+0.7
AAK	Ala-Archa	52.83	301	S	S	07 58 53.6	+0.2
AAK	Ala-Archa	52.83	301	iP	P	07 51 25.9	+0.2
AAK	Ala-Archa	52.83	301	iP	P	07 51 26.7	+1.0
AAK		pmax	pmax				
AAK	comp=Z,45nm,1.0s						
AAK		MLR	MLR				
AAK	comp=Z,12um,18.0s						
AAK	Ala-Archa	52.83	301	P	P	07 51 26.0	+0.3
AAK	comp=Z,16nm,0.7s,ba3=130,slow=6.0,SNR=17						
AAK		LR	LR	08 14 52.6			
E24K	Your Creek	52.83	26	IAMS_20	IAMS_20	08 13 39.6	
E24K	Your Creek	52.83	26	P	P	07 51 25.5	+0.3
COLA	College	52.90	30	P	P	07 51 30.3	+4.7
COLA	College	52.90	30	P	P	07 51 27.0	+1.4
WAT6	Susitna Watana	52.91	33	P	P	07 51 26.3	+0.3
C24K	Franklin Bluff	52.91	24	P	P	07 51 27.0	+1.4
H24K	Noodor Dome	52.92	29	P	P	07 51 26.2	+0.3
M23K	Glacier View	52.92	34	P	P	07 51 26.4	+0.5
F24K	Squaw Lake	53.01	27	P	P	07 51 27.3	+0.8
DHY	DeHl Highway	53.08	33	P	P	07	

9d 7h

TABL	Table Mountain	56.20	36	IAMS_20	IAMS_20	08 12 56.9
I28M	Miner Creek	56.22	30	IAMS_20	IAMS_20	08 16 23.4
I28M	Miner Creek	56.22	30	P		07 51 50.0 +0.1
NIL	Nilore	56.23	291	IAMS_20	IAMS_20	08 18 00.3
RK1H	Rockhampton Ha	56.23	170	P		07 51 52.0 +1.8
AS31	Alice Springs	56.32	188	P		07 51 51.3 +0.4
ASAR	Alice Springs	56.33	188	P		07 51 50.2 -0.8
ASAR	Alice Springs	56.33	188	P		07 51 50.8 -0.2
ASAR	comp-Z,37nm,0.9s,baz=9.4,slow=5.9,SNR=175					07 59 40.2 -0.1
ASAR	comp-Z,4.4nm,1.0s,baz=5.7,slow=14,SNR=7.5					08 22 02.7
YUK3	Moose Creek	56.37	34	P		07 51 51.0 -0.1
D28M	Stokes Point	56.40	25	P		07 51 51.7 +0.7
CHM	Chimkent	56.41	302	eP		07 51 51.9 +0.4
CHM	baz=302			LR	LR	08 14 47.4
CHM	Chimkent	56.41	302	eP		07 51 51.9 +0.4
DAWY	Dawson	56.59	31	P		07 51 53.1 +0.6
O28M	Mount Upton	56.62	35	P		07 51 52.4 -0.7
BHPL	Bhopal	56.68	278	iP	Iamb	07 51 52.8 -0.9
PINM	Pinnacle	56.69	36	P		07 51 52.7 -0.5
YUK8	Steele Glacier	56.76	34	P		07 51 53.6 -0.4
E29M	Blow River	56.77	26	P		07 51 54.5 +0.8
H29M	Whitestone	56.79	29	P		07 51 53.6 -0.2
G29M	Pine Creek	56.86	28	P		07 51 54.7 +0.3
I29M	Ogilvie Camp,	56.91	30	P		07 51 54.6 -0.1
VJD	Vijayawada	56.93	269	eP		07 51 55.9 +0.4
PNL	Peninsula	57.18	36	P		07 52 01.2 +4.5
M29M	Somme Creek	57.21	33	P		07 51 57.1 +0.1
L29M	L29M	57.27	32	P		07 51 57.4 +0.1
MBWA	Marble Bar	57.28	204	P		07 51 57.8 0.0
MBWA	Marble Bar	57.28	204	IAMS_20	IAMS_20	08 16 10.6
MBWA	Marble Bar	57.28	204	P		07 51 59.2 +1.4
MBWA	Marble Bar	57.28	204	P		07 51 57.3 -0.5
MBWA	Marble Bar	57.28	204	S		07 59 47.2 -5.9
MBWA	Marble Bar	57.28	204	S		07 51 57.6 -0.1
YUK4	Talbot Arm	57.29	34	P		07 51 58.8 +1.2
AUMOU	Moura State Hi	57.33	171	P		07 52 00.4 +2.4
K29M	Barlow Dome	57.44	31	P		07 51 59.4 +0.9
EPYK	Eagle Plains	57.44	28	P		07 51 58.8 +0.4
O29M	Mount Kennedy	57.48	36	IAMS_20	IAMS_20	08 14 29.2
O29M	Mount Kennedy	57.48	36	P		07 51 59.2 +0.2
YUK6	Outpost Mounta	57.48	35	P		07 52 00.3 +1.2
G30M	Laoh Zraii Nji	57.56	28	P		07 51 60.0 +0.7
PSAC2	Pilbara Seismi	57.60	204	IAMS_20	IAMS_20	08 16 19.2
PSAC1	Pilbara Seismi	57.60	204	IAMS_20	IAMS_20	08 16 20.1
PSAB2	Pilbara Seismi	57.61	204	IAMS_20	IAMS_20	08 16 20.1
PSAA2	Pilbara Seismi	57.62	204	IAMS_20	IAMS_20	08 16 20.4
PSA00	Pilbara Seismi	57.63	204	IAMS_20	IAMS_20	08 16 00.7
PSA00	Pilbara Seismi	57.63	204	P		07 52 01.8 +1.6
PSAA3	Pilbara Seismi	57.63	204	IAMS_20	IAMS_20	08 16 20.7
PSAA1	Pilbara Seismi	57.63	204	IAMS_20	IAMS_20	08 16 00.9
PSAB3	Pilbara Seismi	57.64	204	IAMS_20	IAMS_20	08 16 11.1
F30M	Barrier River	57.65	27	P		07 51 59.9 +0.1
AJM	Ajmer	57.69	283	iP		07 52 00.1 -0.7
PSAD3	Pilbara Seismi	57.72	204	IAMS_20	IAMS_20	08 16 14.0
I30M	Mount Dempster	57.73	30	IAMS_20	IAMS_20	08 17 23.4
I30M	Mount Dempster	57.73	30	P		07 52 01.6 +1.0
J30M	Hart River	57.84	30	IAMS_20	IAMS_20	08 16 49.4
J30M	Hart River	57.84	30	P		07 52 01.8 +0.3
HYT	Haines Junctio	57.92	35	P		07 52 02.6 +0.6
M30M	Minto, Yukon	57.95	33	P		07 52 02.6 +0.4
N30M	Aishikik Lake	58.01	34	P		07 52 02.6 +0.1
P29M	Windy Craggy	58.02	36	IAMS_20	IAMS_20	08 12 51.2
P29M	Windy Craggy	58.02	36	P		07 52 01.9 -0.6
AKL	Akola	58.10	276	iP		07 52 03.4 -0.3
MAYO	Mayo, Yukon	58.19	31	IAMS_20	IAMS_20	08 18 46.3
MAYO	Mayo, Yukon	58.19	31	P		07 52 04.2 +0.5
EIDS	Eidsvold	58.27	170	P		07 52 06.7 +2.1
HYB	Hyderabad	58.28	271	eP		07 52 02.6 -2.5
HYB	Hyderabad	58.28	271	eP		07 52 04.8 -0.3
HYB	Hyderabad	58.28	271	IvMB_BB		07 52 14.1
P30M	Million Dollar	58.31	36	P		07 52 04.7 +0.1
G31M	Satah River	58.33	27	P		07 52 03.7 -0.9
INK	Inuvik	58.39	26	IAMS_20	IAMS_20	08 16 54.3
INK	Inuvik	58.39	26	P		07 52 05.1 +0.1
INK	Inuvik	58.39	26	iP		07 52 05.7 +0.7
INK	Inuvik	58.39	26	iP		07 52 05.9 -3.7
INK	Inuvik	58.39	26	iP		07 52 07.9 +4.3
INK	Inuvik	58.39	26	iP		07 52 08.3 -7.3
INK	Inuvik	58.39	26	LR	LR	08 22 57.8
F31M	Teisigitchic	58.45	27	P		07 52 06.1 +0.7
H31M	Peel River	58.48	29	IAMS_20	IAMS_20	08 18 58.0
H31M	Peel River	58.48	29	P		07 52 06.0 +0.2
WRKA	Warakuma	58.59	194	P		07 52 07.8 +0.9
O30N	Mendenhall	58.61	35	P		07 52 06.0 -0.7
N31M	Braeburn, Yuko	58.62	34	P		07 52 05.8 -1.0
SVE	Sverdlousov	58.65	321	eP		07 52 07.4 +0.4
SVE	Sverdlousov	58.65	321	eP		08 00 13.2 +2.9
PLBC	Pleasant Camp	58.74	36	P		07 52 06.1 -1.5
QLP	Quilpie	58.81	177	P		07 52 09.8 +1.4
QLP	Quilpie	58.81	177	iP		07 52 08.6 +0.2
QLP	Quilpie	58.81	177	iP		07 52 08.7 -4.7
RMQ	Roma	59.06	172	P		07 52 12.9 +2.2
M31M	Drury Creek, Y	59.12	33	P		07 52 09.3 -1.0
WHY	Whitehorse	59.21	35	P		07 52 10.1 -1.0
KBL	Kabul	59.22	294	P		07 52 11.7 +0.2
KBL	Kabul	59.22	294	S		08 00 16.1 -2.7
SKAG	Skagway	59.25	36	P		07 52 12.8 +1.7

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SKAG	comp-Z,4.4nm,2.0s			IAMS_20	IAMS_20	08 20 27.6
SKAG	Skagway	59.25	36	P		07 52 15.0 +3.9
SKAG	Skagway	59.25	36	P		07 52 10.5 -0.6
DZM	Mont Dzumac	59.27	153	eP		07 51 56.0 -1.6
DZM	comp-Z,3.3nm,26.2s			eS		08 00 29.2 +1.0
DZM	comp-Z,9.0nm,20.3s			eLR	LR	08 09 31.6
DZM	Mont Dzumac	59.27	153	LR	LR	08 17 53.3
FARO	Faro, Yukon	59.60	33	P		07 52 14.9 +1.4
FARO	comp-Z,7.1nm,1.1s			Iamb	Iamb	07 52 25.2
FARO	Faro, Yukon	59.60	33	P		07 52 13.4 -0.2
SIT	Sitka	59.81	39	IAMS_20	IAMS_20	08 14 11.9
SIT	comp-Z,5.0nm,21.0s			P		07 52 15.2 +0.2
ARU	Arti	59.86	320	eP		07 52 15.3 0.0
ARU	comp-Z,8.3nm,0.6s,baz=78,slow=2.9,SNR=103			LR	LR	08 20 51.7
ARU	Arti	59.86	320	P		07 52 15.3 0.0
ARU	comp-Z,8.3nm,0.6s,baz=78,slow=2.9,SNR=103			LR	LR	08 20 51.7
INKA	Innaminka	59.91	181	P		07 52 18.1 +2.2
R32K	Eaglecrest	59.93	37	P		07 52 16.2 +0.4
N32M	Quiet Lake	59.96	34	P		07 52 17.8 +1.7
JIS	Jincau Island	60.00	37	P		07 52 20.3 +4.0
P32M	Atin	60.02	36	P		07 52 16.1 -0.4
S32K	Killisnoo	60.10	38	P		07 52 17.3 +0.3
OOD	Odnodnata	60.22	186	P		07 52 19.6 +1.6
P33M	Teslin, Yukon	60.31	35	P		07 52 19.0 +0.5
A36M	Sachs Harbour	60.44	21	P		07 52 20.6 +1.5
DGTI	Dogotuki	60.76	137	P		07 52 24.3 +2.3
Q32M	Nakina River	60.90	36	P		07 52 23.7 +1.0
MSVF	Nonsavu	60.97	140	IAMS_20	IAMS_20	08 21 02.0
MSVF	comp-Z,4.0nm,18.6s,baz=74,slow=39			LR	LR	08 18 04.4
AB31	Akbulak array	60.98	312	iP		07 52 22.7 -0.5
ABKAR	Akbulak array	60.98	312	Iamb	Iamb	07 52 22.9 -0.3
ABKAR	comp-Z,1.12nm,1.3s					07 52 37.5
IMALK	Mahakanadarawa	61.11	261	P		07 52 22.6 -1.9
IMALK	Mahakanadarawa	61.11	261	iP		07 52 24.8 +0.2
US3K	Whale Pass	61.23	40	IAMS_20	IAMS_20	08 14 14.6
US3K	Whale Pass	61.23	40	P		07 52 25.1 +0.4
CRAG	Craig	61.41	40	P		07 52 28.7 +2.8
CRAG	Craig	61.41	40	P		07 52 26.4 +0.4
R33M	Jennings River	61.43	36	P		07 52 27.1 +0.9
C36M	Paulatuk	61.51	24	P		07 52 26.4 0.0
WRACK	Wrangell Islan	61.56	39	IAMS_20	IAMS_20	08 14 39.2
PALK	Pallekele	61.58	260	IAMS_20	IAMS_20	08 18 46.6
PALK	Pallekele	61.58	260	P		07 52 30.6 +2.8
PALK	Pallekele	61.58	260	S		08 00 45.0 -4.2
PALK	Pallekele	61.58	260	LR	LR	08 18 46.5
COCO	comp-Z,5.0nm,21.8s,baz=163,slow=36			IAMS_20	IAMS_20	08 18 32.0
POO	Poono	61.74	275	iP		07 52 26.4 -2.5
S34M	Telegraph Cree	61.76	37	P		07 52 29.5 +1.2
S34M	comp-Z,118nm,1.4s			Iamb	Iamb	07 52 39.9
S34M	comp-Z,3.3nm,19.0s			IAMS_20	IAMS_20	08 19 53.6
S34M	Telegraph Cree	61.76	37	P		07 52 29.2 +0.9
AKTO	West Island	61.82	314	P		07 52 28.9 +0.1
AKTO	comp-Z,2.0nm,0.7s,baz=83,slow=6.8,SNR=42			LR	LR	08 20 31.9
AULRC	Lightning Ridg	61.90	174	P		07 52 31.7 +2.3
TGNT	Hyland Airport	62.10	33	P		07 52 31.1 +0.5
DLBC	Dease Lake	62.17	36	P		07 52 30.6 -0.5
WTLY	Watson Lake, Y	62.27	34	P		07 52 30.8 -1.0
T35M	Bob Quinn	62.50	38	IAMS_20	IAMS_20	08 15 58.0
T35M	Bob Quinn	62.50	38	P		07 52 33.2 0.0
LCRD	Leigh Creek	62.69	183	P		07 52 36.4 +1.7
MEEK	Koalakanal	62.73	265	eP		07 52 35.1 -0.7
MULG	Mulgatharra	62.73	203	P		07 52 35.7 +0.6
US5K	Hyder	62.84	187	P		07 52 36.7 +1.0
BHUJ	Bhuj					

Table with columns for station call letters, station name, frequency, and other details. Includes stations like OBN, OBN, OBN, OBN, OBN, etc.

Table with columns for station call letters, station name, frequency, and other details. Includes stations like KBZ, KVAR, KVAR, KVAR, KVAR, etc.

Table with columns for station call letters, station name, frequency, and other details. Includes stations like SHAO, SHAO, SHAO, SHAO, SHAO, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like RLMT Red Lodge, LRMC Laurel Mtn Rad, WCT Wildcat Mount, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TESR Tescani, MTPU Mount Pierson, CFR Caraliu, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like LOZB Loznitsa, KSP Ksiaz, SFX San Felipe, etc.

comp=Z,39nm,0.9s	RICC Richard	85.18 329	eP	P	07 54 47.1 +0.9
	RICC		eP	S	07 54 52.4 -0.2
	RICC		AMS	P	08 39 00.0
comp=Z,8um,15.5s	W18A Petrified Fore	85.20 51	P	P	07 54 47.2 +0.4
baz=307	FBE Freiberg	85.21 330	eP	P	07 54 47.7 +1.4
comp=Z,7.8nm,0.9s, baz=38,slow=4.7	SRO Srobarova	85.23 326	eP	P	07 54 48.1 +1.6
	SRO	85.23 326	eP	P	07 54 48.1 +1.6
	SRO		AMS	P	
comp=Z,51nm,1.0s	KRUC Moravsky	85.24 327	eP	P	07 54 47.0 +0.5
	MODS Modra-Piesok	85.33 326	eP	P	07 54 48.0 +1.0
	MODS	85.33 326	eP	P	07 54 48.0 +1.0
	MODS		AMS	P	
comp=Z,150nm,1.2s	NRDL Niedersach Rie	85.33 333	eP	P	07 54 47.5 +0.7
comp=Z,7.8nm,0.9s, baz=38,slow=4.7	GOPC GO Pecny, Ondr	85.34 329	eP	P	07 54 47.8 +0.7
	GOPC		eP	S	07 54 53.2 -0.3
	GOPC		eSKS	AMS	08 05 08.6 -2.5
	GOPC		AMS	AMS	08 36 40.0
comp=Z,8um,16.9s	GOPC GO Pecny, Ondr	85.34 329	eP	P	07 54 47.8 +0.7
	GOPC		e	P	07 54 53.2
	GOPC		e	P	08 05 08.6
	GOPC		MLR	MLR	
comp=Z,8um,16.9s	PRA Prague	85.38 329	eP	P	07 54 49.2 +2.0
	PRA		eSKS	AMS	08 05 12.5 +1.2
	PRA		AMS	AMS	08 36 40.0
comp=Z,8um,16.5s	PRA Prague	85.38 329	eP	P	07 54 49.2 +2.0
	PRA		e	MLR	08 05 12.5
comp=Z,8um,16.5s	ASSE Asse, Remlinge	85.39 332	eP	P	07 54 47.6 +0.5
baz=38,slow=4.7	PRU Pruhonice	85.39 329	eP	P	07 54 48.3 +1.0
	PRU		eP	S	07 54 53.5 -0.2
	PRU		eSKS	AMS	08 05 10.8 -0.6
	PRU		AMS	AMS	08 36 40.0
comp=Z,8um,16.8s	PRU Pruhonice	85.39 329	eP	P	07 54 48.3 +1.0
	PRU		e	P	07 54 53.5
	PRU		e	P	08 05 10.8
	PRU		MLR	MLR	
comp=Z,8um,16.8s	X18A Snowflake	85.41 52	P	P	07 54 48.6 +0.7
	HSKC Hora Svate Kat	85.41 330	eP	P	07 54 47.7 +0.5
	HSKC		ex	AMS	07 54 53.8
	HSKC		AMS	AMS	08 36 00.0
comp=Z,7um,18.3s	S22A 4UR Ranch, Cre	85.47 48	IAMS_20	IAMS_20	08 37 32.6
comp=Z,3um,19.0s	S22A 4UR Ranch, Cre	85.47 48	P	P	07 54 47.6 -0.7
baz=308,SNR=15	TREC Trest	85.48 328	AMS	AMS	08 36 00.0
comp=Z,8um,16.6s	MPEP Malo Peshtene	85.50 320	eP	P	07 54 48.4 +0.5
	ZST Bratislava	85.54 326	eP	P	07 54 49.6 +1.6
	ZST	85.54 326	eP	P	07 54 49.6 +1.6
	ZST		AMS	AMS	
comp=Z,1um,2.8s	GHAJ Ghor Haditha	85.55 304	IAMS_20	IAMS_20	08 39 21.4
comp=Z,3um,20.0s	B35A Bob, Lititz	85.57 33	IAMS_20	IAMS_20	08 30 27.8
comp=Z,3um,20.0s	MVDR Moldovita	85.63 322	IP	P	07 54 49.0 +0.3
comp=Z,41nm,0.9s, baz=38,slow=4.7	NEUB Neuenburg	85.65 331	eP	P	07 54 49.7 +1.2
	NEUB		e	S	07 54 55.7 +0.7
	SUSD	85.70 39	P	P	07 54 49.3 +0.3
	SUSD		baz=313		
CLZ Clausthal	85.73 332	eP	P	07 54 49.3 +0.3	
baz=38,slow=4.7	ALN Alexandroupoli	85.80 317	IAMS_20	IAMS_20	08 36 32.1
comp=Z,3um,20.0s	PGB Panagyurishte	85.81 319	eP	P	07 54 48.9 -0.7
	ZVC Zvikov	85.95 329	eP	S	07 54 50.2 +0.1
	ZVC		eP	S	07 54 56.4 -0.1
	ZVC		AMS	AMS	08 37 20.0
comp=Z,6um,15.5s	TANN Tannenbergrstha	85.97 330	eP	P	07 54 51.5 +1.3
baz=38,slow=4.7	WERD Werd	86.01 330	eP	P	07 54 51.2 +0.8
comp=Z,12nm,1.0s, baz=38,slow=4.7	WERD GUNZ	86.06 330	eP	S	07 54 57.1 +0.3
	WERD		eP	S	07 54 51.5 +0.8
comp=Z,16nm,1.0s, baz=38,slow=4.7	WERH Wernitzgruen	86.10 330	eP	P	07 54 51.7 +0.9
comp=Z,18nm,1.0s, baz=38,slow=4.7	NKC Novy Kostel	86.11 330	eP	P	07 54 52.0 +1.1
	NKC		eP	S	07 54 56.8 -0.5
	NKC		eSKS	AMS	08 05 19.9 +4.0
	NKC		AMS	AMS	08 41 10.0
comp=Z,8um,15.7s	NKC Novy Kostel	86.11 330	eP	P	07 54 52.0 +1.1
	NKC		e	P	07 54 56.8
	NKC		e	P	08 05 19.9
	NKC		MLR	MLR	
comp=Z,8um,15.7s	F33A 5 Mile Ranch,	86.12 36	IAMS_20	IAMS_20	08 30 00.4
comp=Z,3um,21.0s	F33A 5 Mile Ranch,	86.12 36	P	P	07 54 51.5 +0.6
baz=314,SNR=9.0	GTGG Gottingen	86.12 332	eP	P	07 54 50.9 +0.1
comp=Z,26nm,0.9s, baz=38,slow=4.7	GTGG MOX	86.15 331	eP	S	07 54 57.8 +0.5
	MOX		eP	S	07 54 51.9 +0.9
	MOX		AMS	AMS	
comp=Z,5um,18.3s	TUC Tucson	86.16 54	P	P	07 54 52.2 +0.7
baz=306	MORH Mrgy, Hungar	86.20 324	IP	P	07 54 51.8 +0.5
	VTS Vitosha	86.26 319	eP	P	07 54 52.0 +0.1
	RONA Rosalia, Austr	86.27 326	IP	P	07 54 52.8 +1.1
comp=Z,33nm,1.2s, SNR=12	SDCO Great Sand Dun	86.30 47	P	P	07 54 53.2 +0.8
baz=309,SNR=20	SDCO Great Sand Dun	86.30 47	P	P	07 54 52.6 +0.2
baz=309,SNR=20	CONA Conrad Observa	86.31 327	IP	P	07 54 53.0 +1.0
comp=Z,35nm,1.0s,SNR=14	OGNE Ogallala	86.33 43	IAMS_20	IAMS_20	08 35 47.7
comp=Z,2um,21.0s	OGNE Ogallala	86.33 43	P	P	07 54 53.0 +0.8
baz=311	OGNE Ogallala	86.33 43	P	P	07 54 53.1 +0.9
baz=311	FRGS Fruska Gora	86.35 323	IP	P	07 54 52.5 +0.3
	FRGS Fruska Gora	86.35 323	IP	P	07 54 51.7 -0.5
	CRGS Cesky Krumlov	86.36 328	eP	P	07 54 52.9 +0.8
	CKRC		eP	S	07 54 58.3 -0.3
	CKRC		eSKS	AMS	08 05 16.5 -1.0
	CKRC		eSKS	AMS	08 05 52.9 +0.8
	CKRC		e	P	07 54 58.3
	CKRC		e	P	08 05 16.5
	IBBN Ibbenburen	86.38 334	eP	P	07 54 52.4 +0.4
comp=Z,40nm,0.8s, baz=38,slow=4.7	MANZ Manzenberg	86.44 330	eP	P	07 54 53.2 +0.7
comp=Z,2.5nm,0.8s, baz=38,slow=4.7	KHC Kasperske Hory	86.45 329	eP	P	07 54 52.7 +0.1
	KHC		eP	S	07 54 58.7 -0.3
	KHC		ex	P	07 55 04.8
	KHC		eP	S	07 58 20.0 +6.7
	KHC		eSKS	AMS	08 05 18.6 +0.5
	KHC		AMS	AMS	08 37 20.0
comp=Z,5um,17.1s	KHC Kasperske Hory	86.45 329	eP	P	07 54 52.7 +0.1
	KHC		e	P	07 54 58.7
	KHC		e	P	07 58 20.0
	KHC		e	P	08 05 18.6
	KHC		MLR	MLR	
comp=Z,5um,17.1s	K30B Basset	86.54 40	P	P	07 54 53.9 +0.7
	K30B	86.54 40	P	P	07 54 54.5 +1.3
baz=312	K30B		S	S	08 05 27.7 -1.1
baz=312	RHZ Rotzenmuhle	86.56 330	eP	P	07 54 53.9 +0.8
baz=38,slow=4.7	GECC GERESS Array S	86.61 328	P	P	07 54 53.0 -0.5
	GECC	86.61 328	eP	P	07 54 53.9 +0.4
baz=38,slow=4.7	GERES GERESS Array B	86.61 328	P	P	07 54 53.2 -0.3
	GERES	86.61 328	P	P	07 54 54.0 +0.5
	GERES	86.61 328	P	P	07 54 54.0 +0.5
comp=Z,3.0nm,0.7s, baz=56,slow=5.0,SNR=11	GERES		PP	PP	07 58 14.7 +0.1
comp=Z,3.0nm,0.8s, baz=34,slow=9.7,SNR=3.6	GERES		LR	LR	08 37 07.1
comp=Z,3um,19.2s, baz=56,slow=38	WET Weittel	86.75 329	eP	P	07 54 54.7 +0.7
comp=Z,2.8nm,0.7s	KKB Krupnik	86.84 319	eP	P	07 54 52.7 -1.9
baz=38,slow=4.7	EYMN Ely	86.90 33	P	P	07 54 55.6 +0.8
	EYMN		S	S	08 05 27.2 -4.8
	EYMN		S	S	08 05 27.2 -4.8
	ARSA Arzberg	86.96 327	eP	P	07 54 55.4 +0.3
	DIVS Divisava	86.99 322	IP	P	07 54 55.2 -0.2
	KASTN Kahlster Asten	87.00 333	eP	P	07 54 55.4 +0.2
comp=Z,1.9nm,0.9s, baz=38,slow=4.7	KASTN		eP	S	07 55 02.0 +0.3
	PEHC Pehcevo	87.01 319	IP	P	07 54 56.4 +0.9
	GRH Gradenec	87.04 330	IAMS_20	IAMS_20	08 39 54.1
	GRF Grafenberg Arr	87.04 330	eP	P	07 54 55.9 +0.5
	GRF		eL	L	08 42 48.9
	GRFO Grafenberg	87.04 330	P	Iamb	07 54 55.5 +0.1
	GRFO		Iamb	Iamb	07 55 10.1
comp=Z,83nm,1.1s	GRFO Grafenberg	87.04 330	P	P	07 54 55.5 +0.1
	GRFO		pmax	pmax	
comp=Z,6um,18.0s	MOA Molin	87.09 328	eP	P	07 54 56.8 +1.0
comp=Z,14nm,0.9s	A252A Venje	87.14 324	IP	P	07 54 55.5 -0.5
	DUN6 Lazy B Ranch	87.16 53	P	P	07 54 56.8 +0.3
	KSCO Kaye Shedlock	87.24 45	P	P	07 54 57.5 +0.8
	KSCO Kaye Shedlock	87.24 45	S	S	08 05 34.4 -1.5
	BUG Bochum-Union	87.25 333	eP	P	07 54 56.1 -0.2
baz=38,slow=4.7	T25A Trinidad	87.36 47	IAMS_20	IAMS_20	08 39 08.3
comp=Z,2um,18.0s	T25A Trinidad	87.36 47	P	P	07 54 57.9 +0.4
	ECSD EROS Data Cent	87.42 38	IAMS_20	IAMS_20	08 32 42.1
	ECSD EROS Data Cent	87.42 38	P	P	07 54 57.5 +0.1
baz=314,SNR=19	ECSD EROS Data Cent	87.42 38	P	P	07 54 57.5 +0.1
baz=314	ECSD		S	S	08 05 31.5 -5.8
baz=314	EKA Eskdalemuir Ar	87.43 341	P	P	07 54 57.6 +0.4
comp=Z,8um,0.9s, baz=29,slow=4.0,SNR=8.7	ANMO Albuquerque	87.44 50	P	P	07 54 58.9 +1.0
comp=Z,9.8nm,0.8s	ANMO Albuquerque	87.44 50	P	P	07 54 60.0 +2.1
	ANMO		S	S	08 05 36.8 -1.3
baz=308	ANMO Albuquerque	87.44 50	LR	LR	08 28 45.6
comp=Z,4um,21.2s, baz=42,slow=32	BBLS Lazique&263j	87.46 322	IP	P	07 54 57.4 -0.3
	STIP Stip	87.46 319	IP	P	07 54 57.1 -0.5
	F36A Milaca	87.47 35	P	P	07 54 57.2 -0.3
baz=316	BIOA Bad Ischl, Aus	87.50 328	eP	P	07 55 00.4 +0.7
comp=Z,18nm,1.4s	VAY Valandovo	87.50 319	IP	P	07 55 09.4 +1.2
	SJES Sjeverno	87.58 321	IP	P	07 54 57.9 -0.4
	PERS Pernice	87.60 326	eP	P	07 54 58.3 0.0
	PERS		eP	P	07 58 25.2 +2.6
	PERS		eS	S	08 05 37.5 -1.4
	SOKA Soboth	87.61 326	IP	P	07 54 58.8 +0.5
comp=Z,26nm,1.2s,SNR=13	RUDO Rudo	87.65 322	eP	P	07 54 58.1 -0.4
	SKGO Skopje	87.68 330	IP	P	07 55 00.6 +1.9
	TNS Taurus Mts	87.76 332	eP	P	07 54 59.5 +0.5
baz=38,slow=4.7	RJOB Jochberg	87.84 328	eP	P	07 55 00.3 +0.9
baz=38,slow=4.7	E38A The Farm, Brul	87.86 33	IAMS_20	IAMS_20	08 31 03.3
comp=Z,3um,22.0s	E38A The Farm, Brul	87.86 33	P	P	07 54 59.0 -0.5
baz=318	A051A Mirakovica	87.91 324	IP	P	07 54 59.5 -0.3
	OBKA Obir	87.95 326	eP	P	07 55 00.2 +0.2
comp=Z,7.4nm,1.0s	OB				

Table with columns: ID, Name, Comp, P, S, I, Amb, Date, Time, and other details. Includes entries like CAMP Campotosto, CROK Carrier, SLBS Sierra La Lagu, etc.

Table with columns: ID, Name, Comp, P, S, I, Amb, Date, Time, and other details. Includes entries like OLIL Olney, DELO Deloro Mine, MIAR Mount Ida, etc.

Table with columns: ID, Name, Comp, P, S, I, Amb, Date, Time, and other details. Includes entries like M57A Sunshine Farm, Y45A Yeager Farm, I63A Otisfield, etc.

Table with columns: KIBK, Kibwezi, 102.62 275, IAMS_20, IAMS_20, 08 47 52.2, etc. Lists various stations and their coordinates.

Table with columns: VNA2, Neumayer-Watz, 137.98 195, PKPpdf, PKPpre, 08 01 24.0, etc. Lists stations VNA2 through CPUP.

IDC 09 07:48:06.8, 0.2, 24:31S x 115:88W, h0km, mb4.2/12, mltmp4.2/12, MCS4.3/1, Error ellipse: s-maj=23.4km s-min=19.2km az=64.0

NEIC 09 07:48:08.2, 2.0, 24:3S:0.1, 115:9W:0.1, h10km, 1km, mb4.8/41, Error ellipse: s-maj=21.2km s-min=15.4km az=194.0

ISC 09 07:48:08.4, 0.5, 24:30S:0.09, 115:85W:0.08, h12km, n73, az=097.64, mb4.7/29, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations from YA02 to YKA.

Table with columns: H11S2, WAKE ISLAND HY 86.60 292, T, T, 09 36 16.4, etc. Lists stations H11S2 through MKAR.

IDC 09 08:09:11.5, 1.6, 5:66S: 151:06E, h58km, 13km, mb3.9/10, mltmp4.2/11, Error ellipse: s-maj=32.6km s-min=10.0km az=125.0

NEIC 09 08:09:12.2, 1.7, 5:74S:0.05, 151:29E:0.08, h67km, 11km, mb4.3/10, Error ellipse: s-maj=13.6km s-min=4.0km az=119.0

ISC 09 08:09:10.2, 0.5, 5:68S:0.08, 151:19E:0.08, h50km, n29, az=191.93, mb4.2/17, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations from KRVT to BBOO.

NOU 09 08:11:53.9, 2.1, 75S:168:97E, h0km, MLV4.5/6, Loyalty Islands

IDC 09 08:11:55.6, 1.4, 21:168S:168:71E, h0km, mb4.2/5, mltmp4.2/6, ML3.8/1, Error ellipse: s-maj=45.5km s-min=27.2km az=163.0

NEIC 09 08:11:59.1, 1.3, 21:164S:0.05, 168:49E:0.04, h10km, 1km, mb4.6/12, Error ellipse: s-maj=8.6km s-min=7.0km az=14.0

ISC 09 08:11:58.9, 0.8, 21:58S:0.08, 168:60E:0.08, h20km, n42, az=194.00, mb4.6/12, SC, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations from Code to BBOO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURBB, MKAR, and MKAR.

DJA 09:09:21:26.3:0.8, 1'S, 2'E, 12'3E, h15km, 8km, M4.2/16, mb4.4/5, mB6.0/1, MLV4.1/16, Mw(mB)5.7/1, Minahassa Peninsula, Sulawesi

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

IDC 09:09:24:13.8:2.9, 54.33N:87.04E, h0km, mbmp3.4/2, ML2.9/2, Error ellipse: s-maj=26.6km s-min=19.0km az=47.0

NNC 09:09:24:14.2:1.5, 41.41N:86.85E, h0km, mb3.5, mpv3.3, Error ellipse: s-maj=14.2km s-min=11.1km az=25.0, Suspected Mining explosion.

ISC 09:09:24:13.4:3.7, 54.55N:02.86:8E:0.1, h0km, n10, r1549/14, 8C-5D, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H46RU, ZAAO, ZAAO, ZALV, etc.

IDC 09:09:27:28.2:3.3, 54.34N:87.27E, h0km, mbmp3.0/2, ML2.7/2, Error ellipse: s-maj=26.6km s-min=17.7km az=61.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H46RU, ZALV, ZALV, etc.

IDC 09:09:31:01.7:3.3, 32.12N:140.28E, h0km, mb3.5/2, mbmp3.3/3, ML1.8/1, Error ellipse: s-maj=172.7km s-min=34.8km az=79.0

JMA 09:09:31:02.7:0.9, 33.12N:141.1E, h46km, MV3.0/14, E OFF HACHUJIMA ISLAND

ISC 09:09:31:04.3:1.5, 32.56N:109.141:4E:0.1, h50km, n8, r056/10, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHJ2, JHCJ, JHCJ, etc.

IDC 09:09:49:22.0:1.4, 5.93S:147.32E, h0km, mb4.0/3, mbmp4.0/6, ML3.9/2, Error ellipse: s-maj=41.5km s-min=25.5km az=122.0

ISC 09:09:49:31.1:1.2, 6.1S:101.147:6E:0.2, h77km, n7, r15/10, mb3.8/3, Eastern New Guinea region

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

Table with columns: WRA, PpP, PpP, 09 58 10.8 +1.6. Includes stations like ASAR, STKA, GQSA, etc.

IDC 09:10:06:02.9:0.5, 7.13S:155.66E, h0km, mb4.5/18, mbmp4.5/22, ML4.0/2, MS3.9/9, Error ellipse: s-maj=16.7km s-min=12.2km az=71.0

NEIC 09:10:06:12.5:1.6, 7.21S:109.155:85E:0.08, h71km, 7km, mb4.6/46, Error ellipse: s-maj=14.1km s-min=9.3km az=216.0

ISC 09:10:06:13.2:0.6, 7.29S:105.155:75E:0.05, h77km, 5km, n131, r164/129, mb4.7/48, 1C-3D, Bougainville-Solomon Islands region

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

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

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

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

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

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

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

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

Table with columns: MDJ, BNX, BNX, 09 58 10.8 +1.6. Includes stations like MDJ, BNX, BNX, etc.

Table with columns: PETK, KMI, KMI, 09 58 10.8 +1.6. Includes stations like PETK, KMI, KMI, etc.

Table with columns: CMAR, CHTO, PZH, PZH, 09 58 10.8 +1.6. Includes stations like CMAR, CHTO, PZH, etc.

Table with columns: HEH, HEH, HHC, HHC, 09 58 10.8 +1.6. Includes stations like HEH, HEH, HHC, HHC, etc.

Table with columns: BTO, BTO, BTO, BTO, 09 58 10.8 +1.6. Includes stations like BTO, BTO, BTO, BTO, etc.

Table with columns: LZH, LZH, ULN, ULN, 09 58 10.8 +1.6. Includes stations like LZH, LZH, ULN, ULN, etc.

Table with columns: SONM, SONM, SONM, SONM, 09 58 10.8 +1.6. Includes stations like SONM, SONM, SONM, SONM, etc.

Table with columns: Vnda, Vnda, Vnda, Vnda, 09 58 10.8 +1.6. Includes stations like Vnda, Vnda, Vnda, Vnda, etc.

Table with columns: TAPN, ODAN, RAMN, JIRN, 09 58 10.8 +1.6. Includes stations like TAPN, ODAN, RAMN, JIRN, etc.

Table with columns: GUN, PKI, PKIN, DMN, 09 58 10.8 +1.6. Includes stations like GUN, PKI, PKIN, DMN, etc.

Table with columns: KLN, KLN, KLN, KLN, 09 58 10.8 +1.6. Includes stations like KLN, KLN, KLN, KLN, etc.

Table with columns: DANN, DANN, DANN, DANN, 09 58 10.8 +1.6. Includes stations like DANN, DANN, DANN, DANN, etc.

Table with columns: PYUN, WMQ, E19K, QSPA, 09 58 10.8 +1.6. Includes stations like PYUN, WMQ, E19K, QSPA, etc.

Table with columns: QSPA, QSPA, QSPA, QSPA, 09 58 10.8 +1.6. Includes stations like QSPA, QSPA, QSPA, QSPA, etc.

Table with columns: ILAR, J25K, J25K, J25K, 09 58 10.8 +1.6. Includes stations like ILAR, J25K, J25K, J25K, etc.

Table with columns: MK31, MKAR, MKAR, MKAR, 09 58 10.8 +1.6. Includes stations like MK31, MKAR, MKAR, MKAR, etc.

Table with columns: MAKZ, ZAAO, ZAAO, ZAAO, 09 58 10.8 +1.6. Includes stations like MAKZ, ZAAO, ZAAO, ZAAO, etc.

Table with columns: ZALV, ZALV, ZALV, ZALV, 09 58 10.8 +1.6. Includes stations like ZALV, ZALV, ZALV, ZALV, etc.

Table with columns: KSH, KSH, KSH, KSH, 09 58 10.8 +1.6. Includes stations like KSH, KSH, KSH, KSH, etc.

Table with columns: E27K, E27K, E27K, E27K, 09 58 10.8 +1.6. Includes stations like E27K, E27K, E27K, E27K, etc.

Table with columns: BBB, BBB, BBB, BBB, 09 58 10.8 +1.6. Includes stations like BBB, BBB, BBB, BBB, etc.

Table with columns: BOOM, BOOM, BOOM, BOOM, 09 58 10.8 +1.6. Includes stations like BOOM, BOOM, BOOM, BOOM, etc.

Table with columns: KURK, KURK, KURK, KURK, 09 58 10.8 +1.6. Includes stations like KURK, KURK, KURK, KURK, etc.

Table with columns: KURBB, KURBB, KURBB, KURBB, 09 58 10.8 +1.6. Includes stations like KURBB, KURBB, KURBB, KURBB, etc.

Table with columns: D27M, D27M, D27M, D27M, 09 58 10.8 +1.6. Includes stations like D27M, D27M, D27M, D27M, etc.

Table with columns: E28M, E28M, E28M, E28M, 09 58 10.8 +1.6. Includes stations like E28M, E28M, E28M, E28M, etc.

Table with columns: EPYK, EPYK, EPYK, EPYK, 09 58 10.8 +1.6. Includes stations like EPYK, EPYK, EPYK, EPYK, etc.

Table with columns: ARSB, ARSB, ARSB, ARSB, 09 58 10.8 +1.6. Includes stations like ARSB, ARSB, ARSB, ARSB, etc.

Table with columns: NVAR, NVAR, NVAR, NVAR, 09 58 10.8 +1.6. Includes stations like NVAR, NVAR, NVAR, NVAR, etc.

Table with columns: BVAR, BVAR, BVAR, BVAR, 09 58 10.8 +1.6. Includes stations like BVAR, BVAR, BVAR, BVAR, etc.

Table with columns: BRVK, BRVK, BRVK, BRVK, 09 58 10.8 +1.6. Includes stations like BRVK, BRVK, BRVK, BRVK, etc.

Table with columns: NEWK, NEWK, NEWK, NEWK, 09 58 10.8 +1.6. Includes stations like NEWK, NEWK, NEWK, NEWK, etc.

Table with columns: BELA, BELA, BELA, BELA, 09 58 10.8 +1.6. Includes stations like BELA, BELA, BELA, BELA, etc.

Table with columns: ELIB, ELIB, ELIB, ELIB, 09 58 10.8 +1.6. Includes stations like ELIB, ELIB, ELIB, ELIB, etc.

Table with columns: ELIB, LPIG, LPIG, LPIG, 09 58 10.8 +1.6. Includes stations like ELIB, LPIG, LPIG, LPIG, etc.

Table with columns: PDAR, PDAR, PDAR, PDAR, 09 58 10.8 +1.6. Includes stations like PDAR, PDAR, PDAR, PDAR, etc.

Table with columns: ARCES, ARCES, ARCES, ARCES, 09 58 10.8 +1.6. Includes stations like ARCES, ARCES, ARCES, ARCES, etc.

Table with columns: HFS, HFS, HFS, HFS, 09 58 10.8 +1.6. Includes stations like HFS, HFS, HFS, HFS, etc.

Table with columns: NB2, NB2, NB2, NB2, 09 58 10.8 +1.6. Includes stations like NB2, NB2, NB2, NB2, etc.

Table with columns: NOA, NOA, NOA, NOA, 09 58 10.8 +1.6. Includes stations like NOA, NOA, NOA, NOA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for MLR, BRTR, H03N2, H03N1, H03N3.

NEIC 09 11:32:44.0±1.4, 15.86N, 0.09±1.19, 8E, 0.1, h77km, 9km, mb4.5/13, Error ellipse: s-maj=20.8km s-min=8.8km az=56.0

IDC 09 11:32:50.8±1.4, 15.50N, 120.07E, h102km, 14km, mb3.6/8, mbtmp4.0/8, MS2.9/3, Error ellipse: s-maj=45.7km s-min=14.8km az=60.0

ISC 09 11:32:44.1±0.7, 15.83N, 0.07±1.19, 9E, 0.2, h77km, n30, c±205/25, mb4.3/14, Luzon

Main table for station data on the left side, including stations like Tagaytay City, Warramunga Arr, etc.

OMAN 09 11:37:08.0±1.2, 28.30N, 56.58E, h10km, 1km, mb3.7/6, m3.2/11, Error ellipse: s-maj=2.4km s-min=1.2km az=21.0

TEH 09 11:37:17.0±2.7, 49N, 56.75E, h17km, 33km, ML2.9

DSN 09 11:37:17.4±2.8, 27.41N, 57.11E, h15km, ML2.9/5, Error ellipse: s-maj=60.2km s-min=15.4km az=136.0

ISC 09 11:37:16.3±1.2, 27.61N, 0.04±56.73E, 0.07, h13km, 9km, n40, c±0594/44, Southern Iran

Main table for station data on the left side, including stations like Bandar-abas, Geno, etc.

Main table for station data in the center, including stations like Heping Village, Wuta, etc.

Main table for station data on the right side, including stations like Wufeng Township, Taipei, etc.

9d 13h

Table of astronomical observations for 9d 13h, listing station names (e.g., NWA0, MORW, CIRL), station IDs, coordinates, and various parameters like SNR and time.

2017 NOV

Main table of astronomical observations for 2017 NOV, listing station names (e.g., ZVC, KHC, KHC), station IDs, coordinates, and various parameters like SNR and time.

618

Table of astronomical observations for 618, listing station names (e.g., E22K, E22K), station IDs, coordinates, and various parameters like SNR and time.

Table with columns: Station Name, Code, Station Name, Azimuth, Elevation, SNR, Time, Res, and various status indicators. Includes stations like North Crescent, Homer, Cape Douglas, China Poot, Bonanza Creek, Bradley Lake, Shuyak Island, Katmai Lake S, Katmai Hardscr, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Elevation, SNR, Time, Res, and various status indicators. Includes stations like Goat Mountain, Ragged Mountain, Denali Highway, Chignik, Nowinta River, Bear Paw Mtn, Kayak Island, Chitina, Valde, Browne, Gilahina Butte, McCarthy VSAT, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Elevation, SNR, Time, Res, and various status indicators. Includes stations like Matsumuro Arr, Songrio Array, Mkanachi Array, Warramunga Arr, Asara Ice Springs, E054, E053, E052, etc.

Table with columns: DCMP, KSXB, KSXB, LBPM, O02D, LGPM, GWRM, GHMM, N02D, GGUU, LBKM, GVV, L02F, L02F, L02F, HOPS, HOPS, HOPS, GHLM, VBH, K02D, K02D, K02D, L04D, L04D, L04D, MCCM, M02D, M02D, M02D, ORV, DBO, DBO, DBO, I03D, I03D, I03D, AFDM, I04A, I04A, I04A, J05D, J05D, MPK, PNTR, PNTR, PAHR, PAHR, PAHR, SAO, YERR

IDC 09 16:06:27.8s.0.9.15S:128.12E, h148km, 58km, mb3.5/3, mbtmp3.9/6, Error ellipse: s-maj=61.7km s-min=17.4km az=35.0

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

IDC 09 16:25:34.5s.1.2.11.92N:143.99E, h0km, mb3.8/5, mbtmp3.8/5, MS3.4/2, Error ellipse: s-maj=46.0km s-min=21.8km az=116.0

IDC 09 16:25:38.4s.1.1.12.00N:02.144.1E, 0.3h, 26km, n14, s1517.7, mb3.9/5, South of Mariana Islands

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

IDC 09 16:48:55.6s.1.3.57.96N:155.84W, h0km, mb3.6/4, mbtmp3.7/5, ML3.3/1, Error ellipse: s-maj=30.5km s-min=23.1km az=139.0

AEIC 09 16:48:56.9s.1.7.58.25N:0.03:155.20W:0.07, h3km, 7km, ML3.3, ML3.5/110(NEIC), Error ellipse: s-maj=5.6km s-min=3.0km az=120.0

NEIC 09 16:48:57.1s.1.7.58.27N:0.03:155.07W:0.07, h4km, 10km, Error ellipse: s-maj=5.6km s-min=3.0km az=115.0

IDC 09 16:48:57.1s.0.9.58.25N:0.03:155.16W:0.02, h6km, 5km, n261, s0994/269, mb3.9/4, Alaska Peninsula

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC

Main 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 Castle Rocks, Susitna Watana, Klu Klutina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like Wanagama, Wonogiri, Jawa, Ngawi, Cibinong, etc.

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

IDD 09 16:57:12.64.9.6'30S:108.96E, h142km, 162km, mb3.5/3, mbmp3.9/3, Error ellipse: s-maj=284.4km s-min=95.4km az=128.0

PRE 09 17:19:57.0.9.26:47S:27.42E, h2km, ML2.8 BUL 09 17:19:59.9.0.2.26:53S:27.58E, h10km, 2km, MD3.7

IDD 09 17:21:52.7.3.32:02N:140.85E, h0km, mb3.3/3, mbmp3.4/5, ML2.9/2, MS2.3/1, Error ellipse: s-maj=124.7km s-min=17.0km az=66.0

IDD 09 17:24:52.6.0.5.57:76N:153.26W, h0km, mb4.3/30, mbmp4.3/33, ML3.8/3, MS3.5/30, Error ellipse: s-maj=16.3km s-min=8.5km az=20.0

IDD 09 17:24:58.2.1.3.57:53N:0.01:152.93W:0.08, h42km, 6km, ML4.1, mb4.2/14(NEIC), ML4.4/12(NEIC), Error ellipse: s-maj=6.4km s-min=0.5km az=106.0

IDD 09 17:24:57.8.0.4.57:58N:0.04:152.96W:0.03, h35km, 1km, n666, s192/665, mb4.4/54, MS3.4/27, Kodiak Island region

P19K	S	Sn	17 25 57.7 +2.7
baza=175			
CNPM	China Poot	2.15 24	Pn
comp=E,2um,1.2s			
CNPM			IAML
comp=N,2um,1.0s			
P18K	Big Mountain,	2.18 328	Pn
P18K	Big Mountain,	2.18 328	Pn
baza=146,SNR=81			
HOM	Homer	2.20 18	P
HOM	Homer	2.20 18	P
baza=198			
Q16K	King Salmon	2.25 301	Pn
Q16K	King Salmon	2.25 301	P
baza=118,SNR=162			
CHIR	Chirikof Islan	2.29 221	Pn
CHIR			IAML
comp=E,2um,1.5s			
CHIR			IAML
comp=N,2um,0.9s			
CHIR	Chirikof Islan	2.29 221	P
baza=40,SNR=12			
ILSW	Ilamama Southw	2.42 358	Pn
BRLL	Bradley Lake	2.45 25	Pn
BRLL			IAML
comp=E,1um,0.7s			
P17K	Kvichak River	2.45 313	P
baza=133,SNR=183			
IVE	Ilamama Volcan	2.45 359	Pn
BRSE	Bradley Lake S	2.46 27	P
baza=208,SNR=21			
R16K	Pilot Point	2.48 272	Pn
R16K	Pilot Point	2.48 272	IAML
comp=E,2um,0.8s			
R16K	Pilot Point	2.48 272	P
baza=89			
Q20K	Slope Mountain	2.52 4	Pn
Q20K	Slope Mountain	2.52 4	P
baza=184,SNR=46			
O18K	Koktuh Hills	2.57 334	Pn
O18K			IAML
comp=E,1um,0.8s			
O18K			IAML
comp=N,1um,0.8s			
O18K	Koktuh Hills	2.57 334	P
baza=152,SNR=63			
O19K	Port Alsworth	2.72 346	Pn
O19K	Port Alsworth	2.72 346	IAML
comp=N,2um,0.5s			
O19K	Port Alsworth	2.72 346	P
baza=164,SNR=16			
ANNE	Aniakchak Nort	2.85 259	Pn
RED	Redoubt Volcan	2.85 21	Pn
RDSO	Redoubt South	2.89 2	Pn
RSDO	Redoubt South	2.90 2	Pn
ANNW	Aniakchak Nort	2.92 200	Pn
RDWB	Redoubt West	2.92 1	Pn
NCT	North Crescent	3.00 0	Pn
RDT	Redoubt	3.02 5	Pn
P16K	Nushagak River	3.03 301	Pn
P16K	Nushagak River	3.03 301	P
baza=117,SNR=12			
P16K			Sb
O17K	Koliganek Bris	3.08 317	P
baza=134,SNR=31			
O17K			Sb
baza=134			
SEW	Seward	3.12 34	Pn
SEW	Seward	3.12 34	P
baza=216,SNR=7.0			
CHGN	Chignik	3.25 249	Pn
CHGN			IAML
comp=E,549nm,1.1s			
CHGN			IAML
comp=N,619nm,1.0s			
CHGN	Chignik	3.25 249	P
baza=65,SNR=12			
SLKM	Skilak Lake	3.26 25	Pn
CAPN	Captain Cook N	3.33 15	Pn
N19K	Bonanza Creek	3.34 347	IAML
comp=N,524nm,0.8s			
N19K			IAML
comp=N,582nm,0.9s			
N19K	Bonanza Creek	3.34 347	P
baza=166			
O22K	Cooper Landing	3.36 28	Pn
O22K	Cooper Landing	3.36 28	P
baza=210			
O16K	Kokwok River B	3.36 309	Pn
O16K			IAML
comp=N,509nm,0.7s			
O16K	Kokwok River B	3.36 309	P
baza=125			
N18K	Kilae Creek	3.46 335	P
baza=153			
N20K	Mount Spurr	3.66 6	P
SPCR	Spurr Chakacha	3.66 6	Pn
SPCR	Spurr Chakacha	3.66 6	P
baza=186,SNR=17			
VNSG	Veniaminof 6	3.66 249	Pn
N17K	Nushagak Hills	3.68 325	IAML
comp=E,419nm,0.9s			
N17K	Nushagak Hills	3.68 325	P
baza=142			
SPCN	Chakachatina N	3.68 36	Pn
SPBG	Spurr Blockage	3.71 4	Pn
SPCP	Crater Peak Br	3.73 6	Pn
SPCG	Spurr Capps Gl	3.76 7	Pn
P23K	Montague Islan	3.78 48	P
P23K	Montague Islan	3.78 48	P
baza=292			
SVW2	Sparrevohn	3.78 340	Pn
SVW2			IAML
comp=E,437nm,0.8s			
SVW2			IAML
comp=N,368nm,0.8s			
SVW2	Sparrevohn	3.78 340	P
SPNN	North Nagishla	3.81 2	Pn
S14K	Fog Glacier	3.84 253	P
baza=68			
VNFG	Fog Glacier, M	3.84 253	Pn
FIS	Fis Island	3.85 20	Pn
FIS			IAML
comp=E,773nm,1.4s			
RC01	Rabbit Creek A	3.89 24	Pn
RC01			IAML
comp=E,350nm,1.1s			
RC01	Rabbit Creek A	3.89 24	P
baza=206,SNR=9.2			
Q23K	Middleton Isla	3.94 59	Pn
Q23K			IAML
comp=E,419nm,2.1s			
MID	Middleton Isla	3.94 59	Pn
MID			IAML
comp=E,391nm,2.0s			
O15K	Ungalikthiuk R	3.96 297	Pn
O15K	Ungalikthiuk R	3.96 297	P
baza=111,SNR=36			
STLK	Strandline Lak	3.98 8	Pn
SUA	Susitna One	4.06 15	Pn
SUA			IAML
comp=N,545nm,1.1s			
SUA			IAML
comp=E,487nm,1.0s			
SUA	Susitna One	4.06 15	Pn
baza=197,SNR=10			
PWL	Port Wells	4.06 34	P
PWL			IAML
comp=N,381nm,1.4s			
PWL			IAML
comp=E,368nm,1.4s			
PWL	Port Wells	4.06 34	P
baza=217,SNR=21			
N16K	Nishlik Lake	4.18 317	Pn
N16K	Nishlik Lake	4.18 317	P
baza=132			
M18K	Stony River	4.19 341	Pn
M18K	Stony River	4.19 341	P
baza=158			
M20K	Styx River	4.32 359	Pn

M20K	Styx River	4.32 359	P
baza=178			
HIN	Hinchinbrook I	4.38 47	Pn
HIN			IAML
comp=E,266nm,1.2s			
HIN			IAML
comp=N,367nm,1.0s			
M19K	Big River Lodg	4.40 351	Pn
M19K			IAML
comp=E,278nm,1.2s			
M19K	Big River Lodg	4.40 351	P
baza=170			
M22K	Willow	4.43 18	Pn
M22K	Willow	4.43 18	P
baza=200			
M17K	Holitna River	4.46 31	Pn
M17K	Holitna River	4.46 31	P
baza=147			
PMR	Palmer	4.47 24	Pn
PMR	Palmer	4.47 24	P
PMR	Palmer	4.47 24	P
baza=207			
GLI	Glacier Island	4.48 40	Pn
GLI	Glacier Island	4.48 40	P
baza=24			
SKT	Skwentna	4.48 9	Pn
SKT	Skwentna	4.48 9	P
baza=190,SNR=9.0			
KNK	Knik Glacier	4.48 29	IAML
KNK			IAML
comp=N,393nm,1.1s			
KNK			IAML
comp=E,418nm,1.0s			
KNK	Knik Glacier	4.48 29	P
baza=212			
N15K	Kwethluk River	4.52 308	Pn
N15K			IAML
comp=N,310nm,1.4s			
N15K			IAML
comp=E,254nm,1.6s			
N15K	Kwethluk River	4.52 308	P
baza=122			
FID	Port Fidalgo	4.61 44	Pn
M16K	Timber Creek	4.62 321	IAML
M16K			IAML
comp=E,346nm,1.5s			
M16K			IAML
comp=N,331nm,1.1s			
M16K	Timber Creek	4.62 321	P
baza=136,SNR=26			
O14K	Tiguykaiuvet M	4.68 295	Pn
O14K			IAML
comp=N,267nm,1.1s			
O14K			IAML
comp=E,186nm,0.9s			
O14K	Tiguykaiuvet M	4.68 295	P
baza=109			
GHO	Glory Hole Cre	4.68 24	Pn
GHO			IAML
comp=E,379nm,0.9s			
GHO			IAML
comp=N,271nm,1.0s			
L19K	White Mountain	4.72 349	Pn
L19K			IAML
comp=E,353nm,0.9s			
L19K			IAML
comp=N,303nm,1.3s			
L19K	White Mountain	4.72 349	P
baza=167			
SDPT	Sand Point	4.73 245	Pn
SDPT			IAML
comp=N,462nm,1.6s			
SDPT	Sand Point	4.73 245	P
SDPT	Sand Point	4.73 245	P
baza=59			
EYAK	Cordova Ski Ar	4.77 48	P
SML	Sawmill	4.85 27	Pn
SML			IAML
comp=E,357nm,1.4s			
SML			IAML
comp=N,325nm,1.1s			
SML			IAML
baza=210			
L20K	Farewell, AK	4.94 355	P
M23K	Glacier View	4.99 30	Pn
L18K	Granite Mounta	5.02 340	Pn
L18K			IAML
comp=E,222nm,1.4s			
L18K			IAML
comp=N,374nm,1.2s			
L18K	Granite Mounta	5.02 340	P
baza=156,SNR=25			
CUT	Chulitna	5.03 14	Pn
KAIM	Kayak Island	5.03 58	Pn
KAIM			IAML
comp=E,329nm,0.6s			
KAIM	Kayak Island	5.03 58	P
baza=245			
M15K	Kasigluk River	5.06 311	P
M15K	Kasigluk River	5.06 311	P
baza=128			
N14K	Kuskokwak Cree	5.12 301	Pn
N14K	Kuskokwak Cree	5.12 301	P
baza=114			
DIV	Divide	5.12 43	Pn
RAGM	Ragged Mountai	5.13 53	IAML
comp=E,298nm,0.6s			
SCM	Sheep Creek M	5.13 31	IAML
SCM			IAML
comp=E,253nm,1.0s			
SCM			IAML
comp=N,243nm,1.0s			
SCM	Sheep Creek M	5.13 31	P
baza=216,SNR=14			
GOAT	Goat Mountain	5.21 51	Pn
HMT	Hamilton	5.29 55	Pn
HMT			IAML
comp=N,270nm,0.3s			
L16K	Owhat River	5.30 324	Pn
L16K			IAML
comp=E,264nm,2.0s			
L16K			IAML
comp=N,264nm,1.0s			
L16K	Owhat River	5.30 324	P
baza=139,SNR=49			
L17K	Donlin	5.30 332	Pn
L17K	Donlin	5.30 332	P
baza=147			
KLU	Klutina	5.31 39	Pn
KLU	Klutina	5.31 39	P
baza=225,SNR=16			
PS1A	Pavlot South-1	5.32 250	Pn
PPLA	Purkeypile	5.35 4	P
baza=194,SNR=9.7			
NICHA	Nichawak Mount	5.37 56	Pn
SUCK	Suckling Hills	5.39 58	Pn
SUCK			IAML
comp=N,130nm,2.5s			
PNTA	Pavlot North-7	5.45 251	Pn
BMRM	Bremner River	5.47 48	Pn
BMRM	Bremner River	5.47 48	P
baza=235,SNR=12			
BERG	Bear Lake	5.56 56	Pn
TTA	Tatalina	5.58 346	Pn
TTA	Tatalina	5.58 346	P
TTA	Tatalina	5.58 346	P
baza=163,SNR=8.4			
M14K	Bethel	5.62 308	Pn
M14K			IAML
baza=121,SNR=9.7			
WAT7	Susitna Watana	5.66 20	Pn
WAT6	Susitna Watana	5.66 25	P
WAT6	Susitna Watana	5.66 25	P
baza=209			
GRIN	Grindlie Hills	5.68 57	Pn
M24K	Tolsona, Glenn	5.69 34	Pn
M24K	Tolsona, Glenn	5.69 34	P
baza=220,SNR=7.8			
WAT1	Susitna Watana	5.71 21	Pn
WAT1	Susitna Watana	5.71 21	P
baza=204			
KHIT	Khitrov Hills	5.78 56	Pn

K17K	Iditarod	5.80 335	Pn
K17K	Iditarod	5.80 335	P
baza=150			
K20K	Telida	5.83 355	Pn
K20K	Telida	5.83 355	P
baza=174,SNR=43			
N25K	Chitina, Valde	5.86 43	Pn
N25K	Chitina, Valde	5.86 43	P
baza=230,SNR=8			
SNH	Sunshine Point	5.86 59	Pn
CAST	Castle Rocks	5.88 4	Pn
CAST	Castle Rocks	5.88 4	P
baza=184,SNR=11			
WAX	Waxell Ridge	5.96 57	Pn
L15K	Ungalak Mounta	5.97 317	P
CRQM	Cirque	5.97 54	Pn
CRQE	Cirque	5.99 54	Pn
baza=242,SNR=12			
TRF	Thorofore Moun	6.04 11	Pn
TRF	Thorofore Moun	6.04 11	P
baza=194,SNR=10			
GLB	Gilalina Butte	6.06 46	Pn
M13K	Dali Lake	6.08 302	Pn
M13K			IAML
baza=114			
VRDI	Verde Repeater	6.08 49	Pn
KTH	Kantishna Hill	6.08 9	Pn
TGL	Tana Glacier	6.11 54	Pn
SARK	Sarke Ridge	6.11 58	Pn
DHY	Denali Highway	6.17 24	Pn
DHY	Denali Highway	6.17 24	P
baza=209			
RND	Reindeer	6.19 17	Pn
J19K	Jokok River	6.19 344	Pn
J18K	Innoho River	6.19 344	P
baza=161,SNR=9.7			
WACK	Wrangell Chich	6.21 41	Pn
HARP	HAARP	6.22 36	P
HARP	HAARP	6.22 36	P
baza=222,SNR=21			
WASW	Wrangell South	6.22 42	Pn
L14K	Kuka Creek	6.23 311	Pn
L14K	Kuka Creek	6.23 311	P
baza=182			
ISLE	Juniper Island	6.26 57	Pn
MESA	MESA	6.28 61	Pn
MESA	MESA	6.28 61	P
baza=250			
CHUM	Lak Minchumin	6.34 3	P
MCARA	McCarthy VSAT	6.34 49	Pn
MCARA	McCarthy VSAT	6.34 49	P
baza=223			
K15K	Wolf Creek Mou	6.39 321	Pn
K15K	Wolf Creek Mou	6.39 321	P
baza=134			
YAH	Yahtze	6.44 60	Pn
FALS	False Pass	6.44 249	P
MCK	McKinley	6.49 16	Pn
baza=199,SNR=10			
PAX	Paxson	6.57 31	Pn
J19K	Poorman	6.57 350	Pn
J19K	Poorman	6.57 350	P

Table with columns for location, date, time, and status. Includes entries like H18K Honhosa River, H17K Granite Mounta, H21K Melozina Rive, etc.

Table with columns for location, date, time, and status. Includes entries like E22K Anaktuvuk Pass, E23K Chandalar, G27K Doyon Strip, etc.

Table with columns for location, date, time, and status. Includes entries like IMW Indian Meadow, FLWY Flagg Ranch, RLMT Red Lodge, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SCHQ Schefferville, JCT Junction City, WHTX Lake Whitney, etc.

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PKI Pulchoki, GUN Gumba, JIRN Jiri, etc.

NEIC 09 17:52:43.0r.1.2,24:26S:0:07x:66:6W:0:2,h210km,18km,mb4,1/3,Error ellipse: s-maj=22.6km s-min=9.6km

SJA 09 17:52:43.9r.0.8,24:15S:66:71W,h219km,4km,ML3.9,MM4.0

GUC 09 17:52:46.0r.0.5,24:16S:67:04W,h238km,9km,ML4.3

ISD 09 17:52:46.6r.1.2,23:92S:66:80W,h218km,14km,mb3,2/4,mbmp3,9,Error ellipse: s-maj=20.9km s-min=14.5km

ISC 09 17:52:44.7r.0.7,24:14S:0:03:66:79W,0:04,h209km,6km,mb4,1/3,121,mb3,6,5,4C,Salta Province

IDC 09 17:29:11.9r.6.2,37:88N:74:30E,h157km,49km,mb3,3/3,mbmp3,7,9,Error ellipse: s-maj=72.1km s-min=19.3km

SOME 09 17:29:13.4r.39:17N:74:05E,h0km

NIC 09 17:29:18.2r.70:38:48N:74:10E,h0km,mb4,3,mpv4,0,Error ellipse: s-maj=53.9km s-min=50.2km az=153.0

ISC 09 17:29:10.6r.0.8,37:88N:0:07:74:27E,0:06,h150km,n44,az=18/49,mb3,6,4,2C-AD,Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, ID, Time, Residual, and other technical details. Includes stations like AML Almayashu, AML Almayashu, AML Almayashu, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, ID, Time, Residual, and other technical details. Includes stations like PB15 IPOC Station P, PB15 IPOC Station P, PB15 IPOC Station P, etc.

9d 18h

HMBC	Humberstone	4.79 323f	eS	S	17 54 52.2	-1.3
HMBC			eP	Pn	17 53 56.1	-0.8
HMBC			eS	S	17 54 50.3	-3.2
TA02	Huaiquique	4.94 323	eS	Pn	17 53 59.1	+0.5
GO01	Chusiza	4.98 331	eP	Pn	17 53 59.8	+0.2
GO01	Chusiza	4.98 333	eP	Pn	17 54 01.0	+1.4
ACL	CERRO LA CRUZ	5.27 182	eP	Pn	17 54 03.1	+0.2
ACL			eS	S	17 55 03.5	-0.9
AC05	El Transito	5.62 213	Pn	Pn	17 54 04.0	-3.5
LCO	Las Campanas	5.99 215	Pn	Pn	17 54 10.6	-1.6
PB16	IPOC Station P	6.31 336	Pn	Pn	17 54 15.8	+0.1
PB12	POC Station P	6.41 328	Pn	Pn	17 54 17.4	+0.1
CO01	Juntas del Tor	6.52 206	Pn	Pn	17 54 15.7	-3.3
PB18	Visviri	6.98 338	Pn	Pn	17 54 26.7	+1.3
GO04	Tololo Observa	6.99 210	Pn	Pn	17 54 23.1	-2.0
CO03	El Pedregal	7.52 207	Pn	Pn	17 54 30.6	-1.2
LPAZ	La Paz	7.91 351	Pn	Pn	17 54 38.0	+0.5
LPAZ	La Paz	7.91 351	P	P	17 54 38.2	+0.8
LPAZ	comp=Z:7.3nm,0.4s,baz=25,slow=2.3,SNR=22		S	S	17 56 05.7	-1.6
SIV	San Ignacio	9.72 35	P	P	17 54 58.5	-1.9
TRQA	Tornquist	14.47 165	Pn	Pn	17 55 57.6	-2.4
SAML	Samuel	15.49 13	P	P	17 56 11.8	-0.8
SAML			Iamb	Iamb	17 56 14.5	
PLCA	Paso Flores	16.85 190	P	P	17 56 24.0	-3.4
PLCA			Iamb	Iamb	17 56 37.8	
PLCA	comp=Z:7.3nm,1.2s		P	Pn	17 56 30.9	+2.2
BDFB	Brasilia	19.56 68	P	P	17 56 57.8	+0.8
BOAV	Boa Vista	27.07 14	P	P	17 58 06.8	-1.4
BOAV			Iamb	Iamb	17 58 41.9	
SNAH	Snae	59.16 161	P	P	18 02 25.4	+2.1
SNAH	comp=Z:0.7nm,0.7s,baz=333,slow=22,SNR=1.9		P	P	18 02 55.3	-0.2
TXAR	Lajitas Array	63.90 324	P	P	18 02 55.3	-0.2
TXAR	comp=Z:0.2nm,0.6s,baz=139,slow=8.4,SNR=1.9		P	P	18 03 11.9	+2.8
QSPA	South Pole Qui	66.07 180	P	P	18 04 12.4	+0.6
QSPA	comp=Z:1.2nm,0.5s,baz=271,slow=0.3,SNR=16		P	P	18 11 27.3	0.0
TORD	Torodi Ar. Bea	76.44 69	P	P	18 11 35.2	+0.8
TORD	comp=Z:0.7nm,0.5s,baz=265,slow=5.4,SNR=6.6		P	P	18 11 53.0	-0.7
ASAR	Alice Springs	128.41 204	PKP	PKPdf	18 12 00.1	+0.6
ASAR	comp=Z:0.4nm,0.8s,baz=135,slow=2.7,SNR=6.1		PKP	PKP	18 11 27.3	0.0
WRA	Warramunga Arr	131.59 207	PKP	PKIP	18 11 35.2	+0.8
WRA	comp=Z:0.2nm,0.5s,baz=158,slow=1.9,SNR=7.2		PKP	PKP	18 11 53.0	-0.7
ZALV	Zalesovo Beam	143.42 28	PKP	PKPdf	18 12 00.1	+0.6
ZALV	comp=Z:0.4nm,0.4s,baz=339,slow=3.7,SNR=1.6		PKP	PKP	18 11 27.3	0.0
MKAR	Makanchi Array	146.51 40	PKPbc	PKPdf	18 12 00.1	+0.6
MKAR	comp=Z:0.4nm,0.6s,baz=313,slow=3.3,SNR=1.9		PKPbc	PKP	18 11 27.3	0.0

JMA 09 17:55:51.3, 0.2, 25°N, 117°122'55.0"E, h25km, 2km, MV2.0/12, NW OFF SHORE JAKUJIMA IS
 IAP 09 17:55:51.6, 24.74N, 122°51'E, h10km, ML2.5, C
 TIC 09 17:55:50.3, 1.0, 24.71N, 122°53'E, 0.02, h9km, 9km, n63, c080/118, 1C-2D, Taiwan region

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
E0S2	E0S2	0.40 223	Op	17 55 59.4	-0.2
E0S2	baz=218		eS	17 56 05.9	+0.2
JYNG	Yonagunijimaku	0.46 125	P	17 56 00.3	-0.2
JYNG			eS	17 56 06.8	+1.3
E0S3	E0S3	0.47 205	P	17 56 00.8	+0.1
E0S3	baz=200		eS	17 56 10.0	+2.3
YOJ	Yonaguni jima	0.50 120	P	17 56 01.1	+1.0
YOJ			eS	17 56 07.8	+1.1
YOJ	Yonaguni jima	0.50 120	P	17 56 02.3	+0.9
YOJ	baz=120		eS	17 56 09.1	+0.3
TWB1	Santiao Chiao	0.58 301	iP	17 56 01.9	+0.4
TWB1	baz=300		iS	17 56 09.4	+0.3
E0S4	E0S4	0.62 198	P	17 56 03.5	+0.4
E0S4	baz=195		S	17 56 12.5	+0.7
TWC	Suao	0.63 261	eP	17 56 02.2	-0.3
TWC	baz=257		eS	17 56 15.2	0.0
NTC	Toucheng	0.66 283	P	17 56 02.9	-0.1
NTC	baz=280		eS	17 56 12.0	+0.5
TIPB	Shuangxi	0.69 292	P	17 56 13.4	+0.6
TIPB	baz=290		iS	17 56 13.4	+0.6
SX11	Grass Mountain	0.71 303	iP	17 56 04.2	+0.2
SX11	baz=302		iS	17 56 13.9	+0.7
EWUT	Wuta	0.74 249	iP	17 56 05.1	-0.3
EWUT	baz=246		eS	17 56 14.3	-1.3
NDS	Dongshan	0.75 264	P	17 56 05.2	-0.3
NDS	baz=262		eS	17 56 16.2	+0.3
NWF	Wu-fen Shan	0.77 298	P	17 56 05.7	-0.3
NWF	baz=297		S	17 56 16.1	-0.5
WFSB	Wu-fen Shan	0.77 298	P	17 56 05.8	-0.2
WFSB	baz=297		eS	17 56 16.5	0.0
ENA	Nanau	0.78 249	iP	17 56 06.0	0.0
ENA	baz=245		eS	17 56 15.6	-1.1
TWE	Neicheng	0.79 271	eP	17 56 05.1	-0.4
TWE	baz=268		iS	17 56 16.2	-0.8
TNOU	National Taiwa	0.82 302	iP	17 56 06.2	+0.1
TNOU	baz=301		eS	17 56 16.3	-0.4
FUSB	Fushanzhiyuua	0.86 273	eP	17 56 06.5	-0.4
FUSB	baz=271		eS	17 56 18.0	-0.1
ENTT	Noudou	0.88 265	P	17 56 07.8	-0.1
ENTT	baz=263		S	17 56 19.1	-0.7
TWA	Mucha	0.90 287	eP	17 56 07.1	-0.6
TWA	baz=286		eS	17 56 08.5	-0.2
LATG	Datong	0.93 259	iP	17 56 08.5	-0.2
LATG	baz=257		eS	17 56 21.7	+0.4
NDT	Datong Townshi	0.94 263	iP	17 56 08.6	-0.2
NDT	baz=261		iS	17 56 21.0	-0.3
NWLT	Wulai	0.94 274	eP	17 56 08.5	-0.3
NWLT	baz=272		eS	17 56 19.6	-1.1
YM01	YM01	0.97 296	iP	17 56 09.0	-0.1
YM01	baz=295		eS	17 56 21.2	-0.6
YM08	YM08	0.98 299	eP	17 56 10.1	+0.6
YM08	baz=298		eS	17 56 20.4	-1.5
TATO	Taipei	0.98 286	eP	17 56 09.2	-0.1
TATO	baz=284				

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TATO	baz=284		eS	Sg	17 56 21.6	-0.5
NACB	Ninganchiao	1.01 238	P	Pb	17 56 09.5	-0.5
NACB	baz=236		eS	Sg	17 56 21.6	-1.3
NSK	Sanguang	1.07 268	eP	Pb	17 56 10.9	-0.2
NSK	baz=266		eS	Sg	17 56 23.1	-1.7
ETLH	Xiulin Townshi	1.08 242	eP	Pg	17 56 10.6	-0.5
ETLH	baz=240		eS	Sg	17 56 24.2	-1.1
NNSB	Datong	1.08 255	eP	Pg	17 56 10.7	-0.5
NNSB	baz=253		eS	Sb	17 56 25.2	-0.0
NNSH	Datong	1.08 255	eP	Sb	17 56 11.3	-0.1
NNSH	baz=253		eS	Sb	17 56 26.1	+0.4
NNS	Nan Shan	1.09 256j	eP	Pn	17 56 12.2	+0.2
NNS	baz=253		S	S	17 56 25.4	-0.5
IRF	Iriomote-Funau	1.15 109	P	Pg	17 56 11.8	-0.7
IRF	baz=253		eP	Pg	17 56 12.2	-0.4
NTY	Taoyun	1.16 285	eP	Pg	17 56 27.4	-0.3
NTY	baz=283		eS	Sg	17 56 27.4	-0.3
ETM	Tongmen	1.21 232	eP	Pn	17 56 14.8	+1.4
ETM	baz=230		eS	Sn	17 56 31.1	+1.2
LXIB	Xiulin Townshi	1.23 236	eP	Pn	17 56 13.9	0.0
LXIB	baz=234		eS	Sn	17 56 31.1	+0.4
FUSS	Fushou	1.26 249	eP	Pg	17 56 13.9	-0.7
FUSS	baz=247		eS	Sb	17 56 30.6	-0.4
WHF	Hehuan Shan	1.29 244	eP	Pn	17 56 16.5	+1.6
WHF	baz=242		S	Sn	17 56 31.9	-0.5
NFF	Wufeng Townshi	1.29 267	eP	Pn	17 56 15.0	+0.3
NFF	baz=265		iS	S	17 56 31.5	-0.1
TWT	Tachien	1.32 250	eP	Pn	17 56 17.1	+2.0
TWT	baz=248		eS	Sn	17 56 32.7	-0.2
HATJ	Hateruma jima	1.33 119	eS	Pg	17 56 31.0	-2.2
ESL	Shiini	1.34 229	eP	Sb	17 56 16.6	+0.8
ESL	baz=226		eS	Sn	17 56 33.6	+0.3
LI0B	Emei	1.38 288	eP	Pg	17 56 18.6	+1.7
LI0B	baz=266		eS	Sn	17 56 35.9	+1.6
NSST	Nanjiang	1.40 267	eP	Pg	17 56 37.1	+0.7
NSST	baz=265		eS	Sg	17 56 34.5	-0.8
CHGB	Renai	1.40 243	eP	Pb	17 56 17.2	+0.4
CHGB	baz=241		eS	Sn	17 56 36.9	+1.9
JKRS	Kuro-shima	1.43 109	P	Sb	17 56 16.1	-0.3
JKRS	baz=241		eS	Sb	17 56 34.2	-1.2
WARBT	Fenglin Townsh	1.44 227	eP	Sb	17 56 17.5	-0.5
WARBT	baz=225		eS	Sn	17 56 36.4	+0.6
EGFH	Guangfu	1.45 224f	eP	Pg	17 56 17.5	-0.7
EGFH	baz=222		eS	Pn	17 56 36.3	+0.4
WUSB	Renai	1.48 241	eP	Sg	17 56 18.5	-0.2
WUSB	baz=239		eS	Sg	17 56 38.3	+0.4
JJU	Ishigaki jima	1.51 103	P	Pn	17 56 16.8	-0.7
JJU	baz=103		eS	Sn	17 56 35.5	-1.8
WHP	Taichung City	1.51 254	eP	Pg	17 56 20.1	+0.8
WHP	baz=252		eS	Sg	17 56 38.3	-0.7
HGSD	Ruisui	1.58 220	eP	Pn	17 56 18.9	+0.3
HGSD	baz=218		eS	Sn	17 56 39.2	0.0
VWDT	VWDT	1.59 233	eP	Pg	17 56 20.5	-0.4
VWDT	baz=231		eS	Sg	17 56 40.3	-1.2
WCS	Beigang Elemen	1.62 247	eP	Pg	17 56 21.8	+0.4
WCS	baz=245		Pn	Pn	17 56 19.8	+0.7
SMLT	Sun Moon Lake	1.70 241	eP	Pg	17 56 20.8	+0.6
SMLT	baz=239		eS	Pg	17 56 22.4	-0.6
SSLB	Suanglung	1.71 238	eP	Pg	17 56 42.6	+0.2
SSLB	baz=236		eS	Sn	17 56 42.6	+0.2
YULB	Yuli	1.73 221	eP	Pb	17 56 21.8	-0.6
YULB	baz=219		eS	Sn	17 56 42.6	-0.3
EYUL	Yuli	1.75 219	eP	Pn	17 56 21.4	+0.4
EYUL	baz=218		eS	Sb	17 56 44.1	-0.8
WHYT	Xinyi Township	1.84 237	eP	Pg	17 56 24.5	-1.1
WHYT	baz=235		eS	Pn	17 56 26.4	+1.2
ELDTW	Lidau	2.06 223	eP	eS	17 56 51.2	+0.2
ELDTW	baz=221		eS	Sn	17 56 30.9	-0.1
TPUB	Ta-pu	2.24 231	eP	Pb	17 56 30.9	-0.1
TPUB	baz=230					

IDC 09 17:58:04.0, 1.4, 8.55S:75.31W, h0km, mb3.5/2, mbmp3.4/5, ML2.9/3, MS2.8/3, Error ellipse: s-maj=23.1km s-min=18.4km az=73.0
 ISC 09 17:58:05.3, 1.0, 8.63S:07.753W:0.1, h10km, n7, i188g/C, Central Peru

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
ATAH	Atahualpa	3.38 296	Op	17 58 59.4	+0.8
ATAH	0.7nm,0.3s,baz=112,slow=5.4,SNR=2.1		Pb	17 59 05.0	-0.6
ATAH	5.1nm,0.3s,baz=118,slow=6.2,SNR=1.5		Lg	17 59 47.0	
ATAH	12nm,0.3s,baz=7.6,slow=22,SNR=7.6		LR	18 00 38.2	
ATAH	comp=Z:1.15nm,21.1s,baz=163,slow=46				
NNA	Nana	3.66 204	Pn	17 59 03.1	+1.0
NNA	3.1nm,0.3s,baz=329,slow=7.0,SNR=2.7		Pn	17 59 07.5	-2.6
NNA	3.1nm,0.3s,baz=329,slow=7.2,SNR=2.7		Sn	17 59 48.0	+2.7
NNA	8.5nm,0.3s,baz=351,slow=7.5,SNR=3.6		Lg	18 00 02.8	
NNA	14nm,0.3s,baz=287,slow=18,SNR=5.2		LR	18 00 53.3	
NNA	comp=Z:88nm,20.8s,baz=356,slow=45				
LPAZ	La Paz	10.3			

9d 18h

Table with columns for station code, name, elevation, date, time, and various performance metrics (e.g., 19 15 43.8, 18 55 01.8 +4.0).

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Table with columns for station code, name, elevation, date, time, and various performance metrics (e.g., 54.67 28 P P, 54.82 31 P P).

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Table with columns for station code, name, elevation, date, time, and various performance metrics (e.g., 58.08 34 P P, 58.09 36 Iamb Iamb).

BBOO	Buckleboe	65.06 185	P	P	18 56 23.7	+0.9	JMDO	SNR=26	P	P	18 57 15.6	+0.7	MNK	Minsk	76.42 327	i	P	P	18 57 33.8	+0.3				
BBOO			I	Amb	18 56 38.5		YBH	Yreka Blue Hor	73.12 51	I	Amb	I	Amb	18 57 37.3					19 00 24.8					
BBB	comp=Z,26nm,1.0s	65.06 185	P	P	18 56 25.2	+0.7	YBH	Yreka Blue Hor	73.12 51	LR	LR	19 22 36.0		MNK	Minsk		i	PPP	PPP	19 02 10.7				
BBOO	Buckleboe	65.06 185	P	LR	19 21 15.7		HOQ	Hoqain	73.16 287	P	P	18 57 15.6	+0.3	MNK	Minsk		i	SS	SS	19 07 19.8				
NOR	Nord	65.69 357	i	P	18 56 28.4	+0.4	HOQ	SNR=52						MNK	comp=E,14nm,1.2s			pmax	pmax	19 12 14.8				
NOR			I	Amb	18 56 44.2		MDH	Madha	73.16 290	P	P	18 57 16.9	+1.7	MNK	comp=N,20nm,1.0s			pmax	pmax					
MORW	Morawa	65.75 204	P	P	18 56 29.5	+0.4	MDH	Madha	73.16 290	P	P	18 57 16.6	+1.4	MNK	comp=Z,39nm,0.9s			MLR	MLR					
MORW			I	Amb	18 56 41.4		MASF	Masafi	73.23 290	P	P	18 57 17.1	+1.4	MNK	comp=N,957nm,20.0s									
MORW	comp=Z,31nm,1.1s	65.75 204	P	P	18 56 30.1	+1.0	MSFE	Esma-Masafi	73.24 290	i	P	P	18 57 17.2	+1.5	MNK	comp=Z,1µm,22.0s			MLR	MLR				
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	GLAD	Gladstone	73.25 175	P	P	18 57 18.1	+2.9	MNK	comp=Z,247nm,13.0s									
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	PINE	Pine Mountain	73.28 49	I	Amb	I	Amb	18 57 32.4		IDID	Didzisalis	76.45 328	e	P	I	Amb	18 57 34.0	+0.3
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	GOF	Gofitskoye	73.31 313	e	P	P	18 57 17.7	+1.9	CMB	Columbia Colle	76.49 54	I	Amb	I	Amb	18 58 01.2		
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	GANJ	Ganja	73.32 308	P	P	18 57 16.9	+0.9	MZR	Muzera	76.52 289	i	P	P	18 57 34.9	+0.2			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	JOSD	Fort Rock, OR	73.33 49	P	P	18 57 15.8	-0.4	MZR	Muzera	76.52 289	P	P	P	18 57 35.3	+0.6			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	JOSD	SNR=19						MZR	SNR=37					18 57 35.3	+0.6			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	NEW	Newport	73.40 43	I	Amb	I	Amb	18 57 31.9		MZR	SNR=37							
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	NEW	Newport	73.40 43	P	P	18 57 15.7	-0.6	ISAL	Salakas	76.56 328	e	P	P	18 57 34.6	+0.2			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	NEW	Newport	73.40 43	LR	LR	19 27 04.9		IGN	Ignalina	76.66 328	e	P	P	18 57 35.0	+1.1			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	UOSS	Minazif	73.40 289	P	P	18 57 16.5	-0.2	MFID	Mamas Ranch	76.67 47	I	Amb	I	Amb	18 57 43.5			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	UOSS	Minazif	73.40 289	i	P	P	18 57 17.3	+0.7	NACGN	Naroch	76.68 327	e	P	P	18 57 38.1	+3.1		
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	UOSS	Minazif	73.40 289	P	P	18 57 17.3	+0.7	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	i	P	P	18 57 18.2	+0.9	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9		
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315	e	S	S	19 07 22.1	+0.9			
MORW	Morawa	65.75 204	P	P	18 56 30.1	+1.0	HATD	Hatta, Dubai	73.51 289	P	P	18 57 18.7	+1.4	ANN	Anapa	76.68 315								

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Santo Domingo, Princess Elisa, Dimbokoro, etc.

IDC 09 18:48:31.6i.1.9.32'23N:141'56E, h0km, mb4.1/5, mbmp4.1/7, Error ellipse: s-maj=58.1km s-min=19.3km az=64.0

ISC 09 18:48:33.0i.1.2.32'30N:141'55E, h2.0, h10km, n8, c125/11, mb4.2/5, Southeast of Honshu

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

ROM 09 18:56:29.1i.0.0.42'700N:0'003.13'147E:0'004, h11km, ML0.6/8, 1D, Error ellipse: s-maj=0.3km s-min=0.2km az=50.0, Central Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Arquata del Tr, T1214, T1214, etc.

IDC 09 19:01:56.0i.6.2.15'74S:173'19W, h142km, 4gkm, mb3.4/6, mbmp3.8/7, Error ellipse: s-maj=119.5km s-min=21.5km az=145.0

ISC 09 19:01:56.9i.1.9.15'75S:173'33W:0.4, h150km, n7, c632/7, mb3.4/6, Tonga Islands

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

AUST 09 19:15:53.0i.3.0.6.33'11S:138'48E, h10km, Error ellipse: s-maj=7.8km s-min=5.9km az=25.0

IDC 09 19:15:58.4i.6.1.31'97S:138'71E, h0km, mbmp2.5/3, ML2.0/3, Error ellipse: s-maj=87.3km s-min=19.8km az=22.0

ISC 09 19:15:52.4i.0.9.33'04S:100'04:138'48E:0.04, h10km, n13, c1540/21, 1C, Near coast of South Australia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Jamestown Cent, AUJCS, BBOO, etc.

NIED 09 19:39:51.7, 32'26N:141'91E, h8km, MW4.0, Moment Tensor Solution, s3 Moment tensor, Scale 1015Nm, M1=0.51; M2=0.95; M3=0.44; M4=0.22; M5=0.13; M6=0.78; Fault plane solution: M1: 13000x1015 NP1: phi=239.00000; s66.00000; lambda=138.00000; NP2: phi=128.00000; s52.00000; lambda=131.00000

JMA 09 19:39:51.7, 0.6, 32'N:142'E, h8km, MV3.9/13, E OFF HACHIOJIMA ISLAND

IDC 09 19:39:55.3i.1.1.32'31N:141'44E, h0km, mb3.7/10, mbmp3.7/12, ML3.2/2, MS3.3/2, Error ellipse: s-maj=34.3km s-min=16.3km az=62.0

ISC 09 19:39:53.0i.0.9.32'34N:141'32E:0'07, h10km, n26, c204/4, mb3.7/10, Southeast of Honshu

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

ZALV Zalesovo Beam 45.41 316 P 19 48 13.5 +1.1

MKAR Makanchi Array 47.01 306 P 19 48 26.4 +1.2

KURBB Kurchatov Arra 49.21 314 P 19 48 44.3 +1.9

WRA Warramunga Arr 52.37 189 P 19 49 09.6 +2.6

ILAR Eielson Array 53.32 30 P 19 49 17.1 +4.3

BVAR Borovoye Array 54.04 315 P 19 49 19.7 +1.4

ASAR Alice Springs 56.20 189 P 19 49 36.8 +2.7

KBZ Khabaz 74.24 312 P 19 51 33.2 +2.2

BRTR 2.9km 9.9s 19 52 17.4 +1.9

IDC 09 19:43:10.2i.2.3.32'09N:141'02E, h0km, mb3.3/3, mbmp3.4/5, ML2.7/2, Error ellipse: s-maj=118.9km s-min=18.0km az=64.0

ISC 09 19:43:14.1i.5.32'10N:141'11E:0.3, h57km, n6, c3524/9, mb3.5/3, Southeast of Honshu

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

0.1nm, 0.3s, baz=171, slow=34, SNR=2.0 0.6nm, 0.3s

KURBB Kurchatov Arra 49.88 311 P 19 51 57.1 +2.1

WRA Warramunga Arr 52.14 188 P 19 52 22.8 +3.7

ASAR Alice Springs 55.87 188 P 19 52 50.2 +4.0

BGR 09 19:46:33.9, 15'93S:173'18W, h33km, NEIC 09 19:46:30.5i.1.6.15'33S:174'20W:0.1, h156km, 7km, mb4.6/16, Error ellipse: s-maj=15.8km s-min=5.9km az=97.0

NOU 09 19:46:53.5, 15'25S:174'07W, h197km, mb4.9/51, Tonga Islands

IDC 09 19:46:56.6i.3.1.15'25S:174'39W, h212km, 28km, mb4.1/16, mbmp4.6/18, Error ellipse: s-maj=15.4km s-min=12.0km az=117.0

ISC 09 19:46:49.5i.0.3.15'34S:174'29W:0.06, h150km, n632, c09/51/27, mb4.7/132, 32C-22D, Tonga Islands

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

CTAO Charters Tower 37.82 257 P 19 53 52.1 +0.4

PMG Port Moresby 38.07 274 P 19 53 55.2 +1.3

PMG Port Moresby 38.07 274 P 19 53 55.8 +1.9

PMG Port Moresby 38.07 274 P 19 53 56.0 +2.1

CNB Canberra Magne 38.11 232 P 19 53 54.4 +0.4

CAN Canberra 38.39 232 P 19 53 57.6 +0.4

AUSMG Snowy Mountain 39.09 230 P 19 54 02.5 +0.2

WAKE Wake Island 39.19 331 P 19 54 03.2 +0.2

MTSU Mount Surprise 39.68 260 P 19 54 08.0 +0.7

CMSA Cobarr Meteorol 39.84 299 P 19 54 08.4 +0.1

MANU Manus Island 40.04 286 P 19 54 11.4 +1.1

MANU Manus Island 40.04 286 P 19 54 11.7 +1.4

QLP Quilpie 41.13 266 P 19 54 10.8 +0.2

COEN Coen 41.13 266 P 19 54 20.9 +1.0

COEN Coen 41.13 266 P 19 54 20.7 +1.5

TOO Toolangi 41.84 230 P 19 54 25.0 +0.2

TOO Toolangi 41.84 230 P 19 54 25.4 +0.7

BRAT Ballarat 42.95 231 P 19 54 35.1 +1.1

STKA Stephens Creek 43.32 240 P 19 54 37.0 +0.3

STKA Stephens Creek 43.32 240 P 19 54 37.2 +0.4

STKA Stephens Creek 43.32 240 P 19 54 37.1 +0.3

INKA Innaminka 43.38 246 P 19 54 38.0 +0.7

QIS Mount Isa 44.06 256 P 19 54 42.7 +0.1

TABU Tabubil 44.81 278 P 19 54 50.9 +2.0

LCKR Leigh Creek 45.94 242 P 19 54 57.7 +0.3

GENI Genyem 46.62 281 P 19 55 04.6 +1.6

OOD Oodnadatta 47.84 246 P 19 55 13.2 +0.5

BBOO Buckleboob 48.10 240 P 19 55 13.9 +0.4

WRO Warramunga Arr 48.85 257 P 19 55 19.6 +0.5

WB2 Warramunga Arr 48.98 257 P 19 55 20.5 +0.6

WB2 Warramunga Arr 49.01 257 P 19 55 20.8 +0.6

KOFV	Chirikof Islan	72.62	11	P	P	19 57 59.9	-0.3
ARVC	Arvin	72.68	45	P	P	19 58 02.1	+1.0
YES	Vestal, Richgr	72.90	44	P	P	19 58 03.0	+0.6
MURC	Murieta	72.99	47	P	P	19 58 03.8	+0.8
BFSC	Mount Baldy Ra	73.00	46	P	P	19 58 03.6	+0.5
EDWZ	Edwards Ar Fo	73.11	46	P	P	19 58 04.4	+0.7
MONP2	Monument Peak	73.17	48	P	P	19 58 05.0	+0.8
ISA	Isabella, Lake	73.21	45	Iamb	Iamb	19 58 06.0	
ISA	Isabella, Lake	73.21	45	P	P	19 58 05.1	+0.8
IKP	In-Ko-Pah, Jac	73.27	48	P	P	19 58 05.4	+0.7
CFB	Columbia Colle	73.29	42	Iamb	Iamb	19 58 06.1	
AMD	Forest Hills D	73.45	41	Iamb	Iamb	19 58 06.9	
PFO	Pinyon Flats O	73.51	47	P	P	19 58 07.1	+0.9
TPFO	Pinon Flats	73.51	47	P	P	19 58 07.2	+1.0
SWSC	Sam W. Stewart	73.64	48	P	P	19 58 08.0	+1.3
R16K	Pilot Point	73.95	9	P	P	19 58 07.4	-0.5
BELC	Belle Mtn. Jos	74.04	47	P	P	19 58 10.0	+0.8
YBH	Yreka Blue Hor	74.08	38	Iamb	Iamb	19 58 11.1	
MPMC	Manual Prospect	74.10	45	P	P	19 58 10.3	+0.7
TIN	Tinemaha, Big	74.15	44	P	P	19 58 10.4	+0.7
GSC	Goldstone, Bar	74.16	46	Iamb	Iamb	19 58 11.2	
GSC	Goldstone, Bar	74.16	46	P	P	19 58 10.6	+0.7
WAKR	Walker	74.17	42	Iamb	Iamb	19 58 11.7	
HEC	Hector,Ludlow	74.24	46	P	P	19 58 10.7	+0.3
BC3	Big Chuckawall	74.25	48	P	P	19 58 11.1	+0.6
QSM	Queen of Sheba	74.47	45	Iamb	Iamb	19 58 12.9	
R18K	Karluk	74.48	11	P	P	19 58 10.8	-0.2
DSP	Deep Springs	74.50	43	Iamb	Iamb	19 58 13.6	
GMRC	Granite Mounta	74.69	47	P	P	19 58 13.5	+0.5
GRAC	Grapevine Rang	74.69	44	P	P	19 58 13.4	+0.6
QSPA	South Pole Qui	74.70	180	P	P	19 58 13.8	+1.3
QSPA	South Pole Qui	74.70	180	P	P	19 58 13.6	+1.1
IRM	Iron Mountain	74.73	48	P	P	19 58 13.8	+0.7
FURC	Furnace Creek,	74.75	45	P	P	19 58 13.5	+0.5
RYN	Ryan	74.82	42	Iamb	Iamb	19 58 15.2	
TUQ	Turquoise Moun	74.84	46	P	P	19 58 14.3	+0.4
NVAR	Mina Array Bea	74.86	42	P	P	19 58 14.6	+0.6
Q17K	Contact Creek	74.89	10	P	P	19 58 12.9	-0.6
PAHR	Pah Rah Range	74.90	41	Iamb	Iamb	19 58 15.6	
GMN	Gold Mountain	74.93	44	Iamb	Iamb	19 58 15.8	
NV11	Mina Array Sit	74.96	42	Iamb	Iamb	19 58 16.0	
KDAA	Kodiak Island	75.04	12	P	P	19 58 13.8	-0.5
WCT	Wildcat Mounta	75.08	45	Iamb	Iamb	19 58 16.7	
P16K	Nushagak River	75.30	9	P	P	19 58 15.1	-0.6
214A	Organ Pipe Nat	75.34	51	P	P	19 58 17.1	+0.5
KVN	Kaiserville	75.34	42	Iamb	Iamb	19 58 18.0	
Q18K	Katmai Hardscr	75.40	10	P	P	19 58 15.8	-0.7
TPNV	Topopah Spring	75.42	45	Iamb	Iamb	19 58 18.7	
TPNV	Topopah Spring	75.42	45	P	P	19 58 17.5	+0.3
KSR5	Korea Array	75.52	316	P	P	19 58 16.7	-0.8
PDMCI	Parker Dam,Lak	75.52	48	P	P	19 58 18.6	+1.1
P17K	Kvichak River	75.59	9	P	P	19 58 17.5	-0.4
N14K	Kuskokwak Cree	75.69	7	P	P	19 58 17.9	0.0
V12A	Nelson	75.74	46	Iamb	Iamb	19 58 20.6	
K05A	Summer Lake	75.75	38	Iamb	Iamb	19 58 20.3	
Q19K	Cape Douglas,	75.91	11	P	P	19 58 18.4	-0.8
M13K	Dall Lake	76.01	6	P	P	19 58 19.6	-0.1
P18K	Big Mountain,	76.07	10	P	P	19 58 19.4	-0.8
N15K	Kwethluk River	76.12	7	P	P	19 58 19.9	-0.4
O17K	Koiganek Bris	76.14	9	P	P	19 58 20.4	0.0
PRN	Pahroc Range	76.47	45	Iamb	Iamb	19 58 25.0	
M14K	Bethe	76.48	6	P	P	19 58 22.8	+0.5
O18K	Koktuh Hills	76.51	10	P	P	19 58 22.5	-0.1
M15K	Kasigluk River	76.56	7	P	P	19 58 22.9	+0.1
N16K	Nishlik Lake	76.58	8	P	P	19 58 22.7	-0.3
BBJI	Bungbulang	76.59	266	P	P	19 58 23.4	-0.8
R17B	Troy Canyon, C	76.61	44	P	P	19 58 24.2	+0.4
P19K	Oil Pt	76.66	11	P	P	19 58 22.6	-0.9
BMN	Battle Mountai	76.67	41	Iamb	Iamb	19 58 25.5	
USRK	Ussuriysk Ar.	76.82	323	P	P	19 58 25.6	+0.9
N17K	Nushagak Rivrs	76.85	9	P	P	19 58 23.6	-0.8
WVOR	Wild Horse Val	76.93	39	Iamb	Iamb	19 58 26.9	
TUC	Tucson	77.02	51	P	P	19 58 27.1	+0.9
TUC	Tucson	77.02	51	P	P	19 58 27.5	+1.3
M16K	Timber Creek	77.09	8	P	P	19 58 26.0	+0.2
N18K	Klize Creek	77.19	9	P	P	19 58 26.2	-0.2
BRSE	Bradley Lake S	77.22	12	P	P	19 58 26.3	-0.3
L15K	Ungalak Mounta	77.44	6	P	P	19 58 27.5	-0.2
Q12A	Willow Creek R	77.48	43	Iamb	Iamb	19 58 30.0	
N19K	Bonanza Creek	77.54	10	P	P	19 58 28.4	-0.1
M17K	Holitna River	77.66	8	P	P	19 58 29.2	+0.3
L16K	Owhat River	77.69	7	P	P	19 58 29.8	+0.6
CCUT	Cedar City	77.70	45	Iamb	Iamb	19 58 32.0	
319A	Douglas	77.74	52	Iamb	Iamb	19 58 32.0	

comp=Z,11nm,0.9s	KNB Kanab	77.81	46	Iamb	Iamb	19 58 32.4	
comp=Z,9.4nm,0.9s	SEW Seaward	77.82	12	P	P	19 58 29.8	0.0
	U15A North Rim	77.89	47	Iamb	Iamb	19 58 33.2	
comp=Z,11nm,1.0s	SZCU Shurtz Canyon	77.91	45	Iamb	Iamb	19 58 33.0	
comp=Z,9.4nm,0.9s	M18K Stony River	77.97	9	P	P	19 58 30.7	0.0
baz=198	K15K Wolf Creek Mou	78.03	6	P	P	19 58 31.4	+0.4
baz=192	WUAZ Wupatki	78.10	48	Iamb	Iamb	19 58 34.2	
comp=Z,17nm,1.2s	WUAZ Wupatki	78.10	48	P	P	19 58 33.2	+1.0
baz=241	O22K Cooper Landing	78.11	12	P	P	19 58 31.1	-0.3
	ELK Elko	78.11	42	P	P	19 58 32.1	-0.1
	P23K Montague Islan	78.12	13	P	P	19 58 31.4	-0.3
baz=206	L17K Donlin	78.25	8	P	P	19 58 32.9	+0.7
baz=196	N20K Mount Spurr	78.30	11	P	P	19 58 32.1	-0.4
baz=202	PKCU Pink Cliffs	78.37	46	Iamb	Iamb	19 58 36.4	
comp=Z,21nm,1.1s	G08A Pilot Rock	78.40	36	Iamb	Iamb	19 58 34.8	
comp=Z,10nm,1.0s	L18K Granite Mounta	78.55	8	Iamb	Iamb	19 58 36.0	
comp=Z,6.6nm,0.6s	L18K Granite Mounta	78.55	8	P	P	19 58 34.4	+0.6
baz=197	M19K Big River Lodg	78.59	9	P	P	19 58 33.7	-0.4
baz=204	RC01 Rabbit Creek A	78.62	12	P	P	19 58 34.1	-0.4
baz=204	HAWA Hanford	78.72	35	Iamb	Iamb	19 58 35.9	
comp=Z,8.0nm,0.8s	PWL Port Wells	78.74	13	P	P	19 58 34.4	-0.5
baz=205	M20K Styx River	78.77	10	P	P	19 58 34.9	-0.3
baz=201	L19K White Mountain	78.78	9	P	P	19 58 34.7	-0.4
baz=199	KAIM Kayak Island	78.80	15	P	P	19 58 34.9	-0.4
baz=209	SUA Susitna One	78.81	11	P	P	19 58 34.6	-0.8
baz=196	K17K Iditarod	78.81	7	P	P	19 58 35.3	0.0
baz=207	GLI Glacier Island	79.02	13	P	P	19 58 36.1	-0.4
baz=207	V35K Ketchikan	79.07	23	P	P	19 58 37.0	+0.2
baz=222	W18A Petrified Fore	79.09	49	P	P	19 58 38.3	+0.6
baz=242	J16K Arvik River	79.10	6	P	P	19 58 37.1	+0.3
baz=193	SKT Skwentna	79.14	11	P	P	19 58 36.2	-0.9
baz=202	MFID Carnas Ranch	79.18	39	Iamb	Iamb	19 58 39.0	
comp=Z,9.0nm,1.1s	M22K Willow	79.19	11	P	P	19 58 36.9	-0.5
baz=204	L20K Farewell, AK	79.21	9	P	P	19 58 36.4	-1.1
baz=205	KNK Knik Glacier	79.21	12	P	P	19 58 37.0	-0.5
baz=205	PMR Palmer	79.24	12	Iamb	Iamb	19 58 38.0	
comp=Z,18nm,1.3s	PMR Palmer	79.24	12	P	P	19 58 36.8	-0.8
baz=205	PMR Palmer	79.24	12	P	P	19 58 37.6	0.0
baz=205	BGLC Bering Glacier	79.25	15	P	P	19 58 37.2	-0.5
baz=192	TTA Tatalina	79.32	8	Iamb	Iamb	19 58 39.6	
comp=Z,14nm,1.2s	TTA Tatalina	79.32	8	P	P	19 58 36.9	-1.2
baz=198	TTA Tatalina	79.32	8	P	P	19 58 37.9	-0.3
baz=244	121A Cookes Peak, D	79.39	52	P	P	19 58 40.5	+1.2
baz=202	DUG Dugway, Tooele	79.41	43	P	P	19 58 39.8	+0.5
baz=204	GHO Glory Hole Cre	79.45	12	Iamb	Iamb	19 58 38.8	
comp=Z,11nm,0.6s	D08A Wollman Farm	79.46	35	Iamb	Iamb	19 58 40.5	
comp=Z,10nm,0.9s	S31K Pelian	79.49	20	P	P	19 58 38.6	-0.4
baz=217	SML Sawmill	79.62	12	P	P	19 58 39.2	-0.5
baz=205	WRAK Wrangell Islan	79.62	22	P	P	19 58 40.1	+0.3
baz=221	BGU Big Grassy Mou	79.64	42	P	P	19 58 40.1	-0.4
baz=219	S32K Killisnoo	79.64	21	P	P	19 58 38.9	-1.0
baz=209	BMRM Bremner River	79.67	14	P	P	19 58 39.7	-0.4
baz=206	M23K Glacier View	79.71	12	P	P	19 58 40.0	-0.2
baz=202	CUT Chulitna	79.77	11	P	P	19 58 39.7	-0.7
baz=206	F10A Beach Ranch, E	79.78	36	Iamb	Iamb	19 58 41.7	
baz=206	SCM Sheep Creek Mo	79.83	13	P	P	19 58 40.5	-0.4
baz=208	KLU Klutina	79.83	13	P	P	19 58 40.6	-0.3
baz=208	CRQE Cirque	79.85	15	P	P	19 58 40.3	-0.8
baz=210	PNL Peninsula	79.92	17	P	P	19 58 40.9	-0.4
baz=214	PLID Pearl Lake	80.00	38	P	P	19 58 42.2	-0.2
baz=200	K20K Teilda	80.01	9	P	P	19 58 42.1	+0.3
baz=200	TMUT Trail Mountain	80.03	45	Iamb	Iamb	19 58 44.8	
comp=Z,14nm,1.0s	HLID Hailey	80.13	40	Iamb	Iamb	19 58 44.7	
comp=Z,12nm,0.9s	HLID Hailey	80.13	40	P	P	19 58 43.9	+0.8
baz=238,SNR=12	N25K Chitina, Valde	80.23	14	Iamb	Iamb	19 58 43.8	
comp=Z,12nm,0.8s	N25K Chitina, Valde	80.23	14	P	P	19 58 43.3	+0.2
baz=209	C09A Chrisman Ranch	80.25	35	Iamb	Iamb	19 58 44.3	
comp=Z,7.5nm,0.7s	H16K Elim	80.27	5	P	P	19 58 43.5	+0.5
baz=207	M24K Tolsona, Glenn	80.32	13	P	P	19 58 44.0	+0.4
baz=207	P29M Windy Craggy	80.37	18	Iamb	Iamb	19 58 44.6	
comp=Z,9.7nm,0.7s	P29M Windy Craggy	80.37	18	P	P	19 58 44.2	+0.4
baz=216	BNX BinXian	80.37	323	P	P	19 58 43.8	-0.3
comp=Z,9.0nm,0.9s	BNX BinXian	80.37	323	P	P	19 58 43.8	-0.3
comp=Z,210nm,4.4s	CAST Castle Rocks	80.39	10	P	P	19 58 42.7	-1.1
baz=209	SRU San Rafael Swe	80.41	45	Iamb	Iamb	19 58 46.2	
comp=Z,13nm,1.3s	MCARA McCarthy VSAT	80.41	15	P	P	19 58 43.8	-0.2
baz=206	WAT6 Susitna Watana	80.42	12	P	P	19 58 43.5	-0.6
baz=206	BARN Barnard Glacie	80.48	15	Iamb	Iamb	19 58 45.4	
comp=Z,10.0nm,0.9s	CTG Chitna Glacier	80.48	16	P	P	19 58 43.9	-0.6
baz=219	WAT1 Susitna Watana	80.48	12	P	P	19 58 43.7	-0.7
baz=205	O28M Mount Upton	80.62	16	P	P	19 58 45.0	-0.5
baz=219	PLBC Pleasant Camp	80.64	19	P	P	19 58 44.9	-0.3
baz=217	O29M Mount Kennedy	80.6					

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res. Includes stations like PNIG Pinotepa, TXIG Tlaxiaco, HLIG Huajuapán de L., etc.

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res. Includes stations like AMTX Iamb, DEOK Depew, OK031 S. Brethren Rr, etc.

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res. Includes stations like WB0 Warramunga Arr, WBA Warramunga Arr, WRA Warramunga Arr, etc.

Islands
 IDC 09 21:58:50.0:1.4, 21:58:50:168:74E, h0km, mb4.0/6,
 mbmp4.0/7, ML3.5/4, MS3.2/4, Error ellipse: s-maj=36.8km
 s-min=30.6km az=1.0
 NEIC 09 21:58:52.8:1.2, 21:57:50:0:04:168:64E:0:04, h12km, 5km,
 mb4.4/9, Error ellipse: s-maj=6.9km s-min=4.6km
 az=207.0
 ISC 09 21:58:51.7:2.4, 21:52:50:0:07:168:69E:0:10, h10km, 12km,
 n41, 0973/43, mb4.2/10, Loyalty Islands

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
MARNC	Mare, Loyalty	0.61 274	Op	Pg	21 59 03.5	-0.1
MARNC	Mare, Loyalty	0.61 274	Sg	Pg	21 59 12.0	+0.4
MARNC	Mare, Loyalty	0.61 274	Pb	Pg	21 59 03.9	-0.6
LIFNC	LIFOU	1.54 298	Pn	Pn	21 59 18.3	-0.9
LIFNC	LIFOU	1.54 298	P	Pn	21 59 39.4	+0.2
LIFNC	LIFOU	1.54 298	P	Pn	21 59 18.3	-0.4
LIFNC	LIFOU	1.54 298	P	Pn	21 59 19.1	-0.1
PINNC	Pines Island,	1.58 226	P	Pn	21 59 18.9	-0.9
PINNC	Pines Island,	1.58 226	Sg	Pn	21 59 40.5	+0.2
PINNC	Pines Island,	1.58 226	P	Pn	21 59 19.3	-0.5
PINNC	Pines Island,	1.58 226	P	Pn	21 59 19.4	-0.4
OUENC	Ouen Island, N	1.93 242	P	Pn	21 59 24.4	-0.2
OUENC	Ouen Island, N	1.93 242	Sg	Pn	21 59 49.9	+0.9
OUENC	Ouen Island, N	1.93 242	P	Pn	21 59 24.9	+0.3
OUENC	Ouen Island, N	1.93 242	P	Pn	21 59 25.1	+0.5
DZM	Mont Dzumac	2.15 255	Pn	Pn	21 59 27.3	-0.5
DZM	Mont Dzumac	2.15 255	Pn	Pn	21 59 27.9	+0.1
DZM	13nm, 0.3s, baz=107, slow=11, SNR=44		Sn	Sn	21 59 51.9	-2.7
DZM	25nm, 0.3s, baz=74, slow=21, SNR=3.6		LR	LR	22 00 21.5	
DZM	comp=Z, 4.88nm, 18.3s, baz=162, slow=42, 55nm, 0.3s					
ONTNC	Ouen Toro	2.21 249	P	Pn	21 59 28.1	-0.4
ONTNC	Ouen Toro	2.21 249	P	Pn	21 59 28.8	+0.3
ONTNC	Ouen Toro	2.21 249	P	Pn	21 59 29.7	+1.2
NOUC	Port Laguerre	2.29 255	P	Pn	21 59 29.9	+0.4
NOUC	Port Laguerre	2.29 255	P	Pn	21 59 30.0	+0.4
KOUNC	Koumac, New Ca	4.22 282	Pn	Pn	21 59 56.3	+0.2
KOUNC	Koumac, New Ca	4.22 282	P	Pn	21 59 56.7	+0.6
MSVFP	Nonsauv	9.59 68	LR	LR	22 04 15.0	
MSVFP	comp=Z, 16.1nm, 21.4s, baz=345, slow=34					
CTA	Charters Tower	21.02 270	LR	LR	22 11 17.5	
CTA	comp=Z, 82nm, 18.9s, baz=83, slow=36					
TOO	Toolangi	25.65 226	P	Iamb	22 04 22.7	+1.1
TOO			Iamb	Iamb	22 04 47.2	
STKA	Stephens Creek	26.24 241	P	P	22 04 27.7	+0.6
STKA	Stephens Creek	26.24 241	P	P	22 04 27.5	+0.4
STKA	comp=Z, 1.6nm, 0.7s, baz=82, slow=13, SNR=3.7					
BBOO	Bucklebo	31.01 242	P	P	22 05 10.1	+0.5
WR0	Warramunga Arr	31.93 267	P	Iamb	22 05 17.4	-0.5
WR0			Iamb	Iamb	22 05 21.2	
WB0	Warramunga Arr	32.10 267	P	Iamb	22 05 19.1	-0.3
WB0			Iamb	Iamb	22 05 24.6	
WB2	Warramunga Arr	32.11 267	P	Iamb	22 05 18.8	-0.6
WB2			Iamb	Iamb	22 06 01.8	
WRA	Warramunga Arr	32.12 267	P	Iamb	22 05 19.0	-0.5
WRA	Warramunga Arr	32.12 267	P	Iamb	22 05 18.9	-0.7
WRA	comp=Z, 1.2nm, 0.8s, baz=100, slow=8.0, SNR=14					
ASAR	Alice Springs	32.14 259	P	P	22 05 19.6	0.0
ASAR	comp=Z, 2.4nm, 0.8s, baz=83, slow=8.9, SNR=20					
KNRA	Kunurunda	38.21 272	P	P	22 06 11.8	-0.1
VNDA	Vanda	55.15 182	P	Iamb	22 08 31.0	0.0
VNDA			Iamb	Iamb	22 08 44.3	
VNDA	comp=Z, 1.9nm, 1.4s					
VNDA	comp=Z, 0.5nm, 1.0s, baz=350, slow=6.1, SNR=2.2					
ASAJ	Asahikawa	69.56 340	LR	LR	22 33 59.0	
ASAJ	comp=Z, 16nm, 21.1s, baz=74, slow=30					
CMAR	Chiang Mai Arr	78.98 295	P	P	22 10 57.4	+1.2
CMAR	comp=Z, 1.0nm, 0.3s, baz=123, slow=4.4, SNR=5.8					
SNAA	Sanae	86.87 183	P	P	22 11 35.7	-0.6
SNAA	comp=Z, 1.5nm, 1.0s, baz=162, slow=8.3, SNR=3.7					
EKA	Eskdalemuir Arr	145.69 352	PKPbc	PKPpdf	22 18 29.1	-1.0
EKA	comp=Z, 2.1nm, 0.8s, baz=84, slow=2.4, SNR=3.5					
GERES	GERESS Array B	146.22 330	PKPbc	PKPpdf	22 18 32.0	+0.6
GERES	comp=Z, 0.3nm, 0.4s, baz=45, slow=2.9, SNR=2.3					

IDC 09 22:03:39.9:1.0, 44:18N:105:79W, h0km, mb4.1/1,
 mbmp3.7/5, ML3.5/4, Error ellipse: s-maj=24.6km
 s-min=8.3km az=145.0
 NEIC 09 22:03:40.1:1.0, 43:82N:0:05:105:27W:0:06, h0km, 2km,
 ML3.4/102, Error ellipse: s-maj=9.1km s-min=6.2km
 az=326.0
 ISC 09 22:03:39.6:0.9, 43:80N:0:06:105:29W:0:05, h0km, n37,
 0855/26, Wyoming

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
RSSD	Black Hills	0.96 70	Pn	Pg	22 03 58.7	+0.8
K22A	Casper	1.47 219	Pn	IAML	22 04 05.4	-2.1
K22A			IAML	IAML	22 04 29.3	
K22A	comp=E, 644nm, 0.3s					
PHWY	Pilot Hill	2.50 183	Pn	Pn	22 04 22.0	+0.1
PHWY			IAML	IAML	22 04 59.1	
PHWY	comp=N, 120nm, 0.4s					
RWWY	Rawlins	2.54 214	Pn	Pn	22 04 23.0	+0.6
RWWY			IAML	IAML	22 04 58.5	
N23A	Red Feather La	2.95 190	Pn	Pn	22 04 28.4	+0.4
N23A			IAML	IAML	22 05 16.6	
N23A	comp=N, 169nm, 0.8s					
LAO	LASA Array	2.96 347	Pn	Pn	22 04 29.1	+1.2
RLMT	Red Lodge	3.14 296	Pn	IAML	22 04 30.7	+0.1
RLMT			IAML	IAML	22 05 22.9	
RLMT	comp=E, 79nm, 0.4s					
RLMT	comp=E, 83nm, 0.3s					
BW06	Boulder Array	3.29 253	Pn	Pn	22 04 32.7	+0.1
BW06			IAML	IAML	22 05 28.9	
PD31	Pinedale Array	3.29 253	Pn	Pn	22 04 32.8	+0.2
PDAR	Pinedale Array	3.29 253	Pn	Pn	22 04 32.7	+0.1
PDAR	Pinedale Array	3.29 253	Pn	Pn	22 04 32.3	-0.3
PDAR	comp=Z, 4.7nm, 0.3s, baz=70, slow=16, SNR=86		Lg	Lg	22 05 17.2	
PDAR	comp=E, 18nm, 0.3s, baz=64, slow=28, SNR=10					
BRIGS	Brigade	3.30 167	Pn	Pn	22 04 32.7	0.0
YMP	Mirror Lake Pl	3.62 287	Pn	Pn	22 04 37.4	+0.2
YMP			IAML	IAML	22 05 52.9	
OGNE	Ogallala	3.74 139	Pn	Pn	22 04 39.0	+0.4
H7A	Grant Village	3.86 281	Pn	IAML	22 04 40.4	0.0
H7A			IAML	IAML	22 05 44.9	
LOHW	Long Hollow	3.86 269	Pn	Pn	22 04 41.1	+0.7
LOHW			IAML	IAML	22 06 08.5	
FLWY	Flagg Ranch	3.92 276	Pn	Pn	22 04 41.5	+0.2
FLWY			IAML	IAML	22 05 51.3	
MOOW	Moose Ponds	3.95 271	Pn	Pn	22 04 42.5	+0.8
WNR	Norris Junction	3.99 285	Pn	Pn	22 04 41.1	-0.4
SNOW	Snow King Moun	3.98 267	Pn	Pn	22 04 42.1	-0.1
SNOW			IAML	IAML	22 06 03.1	
SNOW	comp=N, 55nm, 1.2s					
SNOW	comp=N, 53nm, 1.2s					
ISCO	Idaho Springs	4.01 184	Pn	Pn	22 04 42.6	0.0
YFT	Old Faithful	4.05 281	Pn	Pn	22 04 42.6	-0.4
YFT			IAML	IAML	22 06 03.1	
IMW	Indian Meadow	4.09 273	IAML	IAML	22 05 53.8	

YHM	Holmes Hill	4.11 286	Pg	Pb	22 04 54.4	+1.4
TPAW	Teton Pass	4.12 268	IAML	IAML	22 06 06.3	
TPAW	comp=N, 49nm, 1.0s					
TPAW	comp=N, 67nm, 0.9s					
YMR	Madison River	4.17 284	IAML	IAML	22 06 00.1	
YMR	comp=E, 57nm, 1.1s					
Y0A	White River C1	4.28 212	IAML	IAML	22 06 42.5	
Y0A	comp=N, 62nm, 1.1s					
YHL	Hebgen Lake	4.36 286	IAML	IAML	22 06 02.9	
YHL	comp=N, 60nm, 1.1s					
YHL	comp=N, 63nm, 1.1s					
RDML	Red Mountain	4.54 226	IAML	IAML	22 06 05.9	
RDML	comp=E, 49nm, 1.1s					
SMCO	Snowmass	4.79 196	IAML	IAML	22 06 15.3	
SMCO	comp=E, 37nm, 1.1s					
SMCO	comp=E, 42nm, 1.2s					
BOZ	Lac du Bonnet	9.10 42	Pn	Pn	22 05 50.3	-1.8
BOZ	comp=E, 19nm, 1.1s					
BOZ	comp=E, 25nm, 0.8s					
BSUT	Blindstream Can	5.22 233	IAML	IAML	22 06 30.4	
BSUT	comp=N, 15nm, 1.2s					
BSUT	comp=E, 18nm, 1.4s					
ANMO	Albuquerque	8.89 186	Pn	Pn	22 05 55.4	+5.8
ANMO	comp=E, 0.1nm, 0.3s, baz=333, slow=2.4, SNR=2.2					
IOCA	LAC DU BONNET	8.99 41	I	I	22 58 00.0	
IOCA	comp=Z, 22.1s, baz=329, SNR=1.3					
ULM	Lac du Bonnet	9.10 42	Pn	Pn	22 05 50.3	-1.8
ULM	comp=E, 3.5nm, 0.3s, baz=227, slow=11, SNR=23					
ULM	comp=E, 3.5nm, 0.3s, baz=227, slow=11, SNR=23					
ULM	comp=E, 0.4nm, 0.3s, baz=307, slow=20, SNR=1.6					
ULM	comp=E, 5.5nm, 0.3s					
TXAR	Lajas Array	14.50 174	Pn	P	22 07 13.0	0.0
TXAR	comp=N, 3.7nm, 0.4s					
TXAR	comp=E, 350, slow=14, SNR=9.9					
TXAR	comp=E, 0.3nm, 0.7s					
MKAR	Makanchi Array	89.54 355	P	P	22 16 37.0	-1.7
MKAR	comp=E, 0.9nm, 0.8s, baz=357, slow=6.2, SNR=2.7					

AFAD 09 22:08:12.3:0.0, 38:67N:27:60E, h7km, 3km, ML1.0,

Turkey

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
STEP	BALIKESIR_Sava	0.72 8	Op	Pb	22 08 27.3	+0.1
STEP			S	Pb	22 08 36.7	-0.5
STEP			IAML	AML	22 08 41.0	
STEP	comp=N, 6.1nm, 0.7s					
MANT	Manisa	0.77 103	P	Pg	22 08 47.7	+0.5
MANT			S	Sg	22 08 38.1	+0.8
MANT			IAML	AML	22 08 39.0	
MANT	comp=N, 3.7nm, 0.4s					
MANT	comp=E, 5.0nm, 0.3s					
DGB	zmir	0.83 223	P	Pb	22 08 29.1	+0.1
DGB			IAML</			

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like WARRAMUNGA ARR, ALICE SPRINGS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like WARRAMUNGA ARR, ALICE SPRINGS, etc.

Table with columns: LATG, Datong, and various station details like WARRAMUNGA ARR, ALICE SPRINGS, etc.

Table with columns: PPT2, Papeete2, 39.38 93 eS, S, 01 02 09.4 +14, etc. Includes various station codes and coordinates.

TAP 10 00:51:22.1, 2476N, 122.36E, h9km, 1km, ML2.6 D
JMA 10 00:51:22.0, 2.25 N, 122.4E, 0.3, h2km, 3km, MV2.3/7,
NV OFF ISHIGAKI JIMA

Table with columns: Code, Station Name, Az, Az, Op, Phase ID, Time, Res, etc. Lists various stations and their parameters.

Table with columns: LATG, Datong, 0.82 256 eP, Pg, 00 51 38.1 +0.2, etc. Lists stations and their coordinates.

IDC 10 01:07:32.4, 1.7, 4.83S, 102.83E, h0km, mb3.8/4,
mbmp3.8/4, MS2.7/2, Error ellipse: s-maj=120.9km
s-min=24.5km az=43.0

DJA 10 01:07:37.1, 0.2, 4.52 S, 101.4E, h10km, M3.9/11,
MLV3.9/11

ISC 10 01:07:37.2, 0.9, 4.22S, 0.06, 103.53E, 0.06, h10km, n16,
o65/110, mb3.8/4, Southern Sumatera

Table with columns: Code, Station Name, Az, Az, Op, Phase ID, Time, Res, etc. Lists stations in the Southern Sumatera region.

NOU 10 01:10:48.3, 21.53S, 168.98E, h0km, MLV4.4/7, Loyalty
Islands

IDC 10 01:10:51.6, 1.1, 21.68S, 168.64E, h0km, mb4.3/10,
mbmp4.3/11, ML3.7/1, MS3.7/13, Error ellipse:
s-maj=27.5km s-min=21.2km az=24.0

NEIC 10 01:10:53.2, 1.3, 21.61S, 0.06, 168.65E, 0.02, h10km, 1km,
mb4.6/19, Error ellipse: s-maj=9.9km s-min=3.8km
az=356.0

ISC 10 01:10:54.2, 0.6, 21.60S, 0.07, 168.62E, 0.07, h20km, n79,
o591/71, mb4.6/20, MS3.7/10, 4D, Loyalty Islands

Table with columns: Code, Station Name, Az, Az, Op, Phase ID, Time, Res, etc. Lists stations in the Loyalty Islands region.

Table with columns: ASAR, Alice Springs, 32.06 260 P, P, 01 17 19.4 -0.6, etc. Lists stations and their coordinates.

IDC 10 01:16:20.7, 1.6, 5.74S, 149.73E, h0km, mb3.4/2,
mbmp3.9/4, ML2.2/1, MS3.0/1, Error ellipse:
s-maj=72.8km s-min=22.5km az=134.0, New Britain

Table with columns: Code, Station Name, Az, Az, Op, Phase ID, Time, Res, etc. Lists stations in the New Britain region.

MOS 10 01:16:27.2, 1.1, 24.25S, 67.04W, h170km, mb4.9/18,
Error ellipse: s-maj=11.9km s-min=6.8km az=98.1

NEIC 10 01:16:27.8, 1.9, 24.28S, 0.06, 66.97W, 0.08, h165km, 4km,
mb5.1/4, Mw4.9/30, Mw4.4/GUCU, Error ellipse:
s-maj=10.9km s-min=8.5km az=83.0

NEIC 10 01:16:27.2, 24.28S, 66.94W, h170km
NEIC 10 01:16:27.2, 24.18S, 67.16W, h170km, Moment Tensor
Solution: 154 Moment tensor: Scale 10^19Nm;
Mn-1.86; Mm0.25; Mm1.61; Mm2.39; Mm3.50; Mm4.163;
Fault plane solution: M2.47000x10^16 NP1;
o344.93000, o66.35000, A-87.53000. NP2;
o158.79000, o23.77000, A-95.62000. Principal axes:
T: 2.4235, Plg21.0000, Azm73.0000; N: 0.0888,
Plg2.0000, Azm164.0000; P: -2.5123, Plg69.0000,
Azm280.0000

VAO 10 01:16:27.0, 0.3, 24.15S, 67.00W, h159km, mb6.0
SDC 10 01:16:27.0, 0.9, 24.22S, 67.16W, h203km, 6km, ML4.8,
MW4.6

ISA 10 01:16:28.0, 0.8, 24.16S, 66.97W, h171km, 6km, mb4.5/14,
mbmp5.0/22, MS2.8/1, Error ellipse: s-maj=12.0km
s-min=8.4km az=55.0

GUCM 10 01:16:29.0, 0.6, 24.18S, 67.46W, h213km, 5km, ML5.1
GUCM 10 01:16:33.0, 0.3, 24.24S, 0.02, 67.22W, 0.03, h193km, 3km,
MW4.9/83, Moment Tensor Solution. s15.c16; s83.c104;
Duration: 0 Moment tensor: Scale 10^19Nm;
Mn-1.86; Mm0.25; Mm1.61; Mm2.39; Mm3.50; Mm4.163;
Mm5.12; Mm6.150; Mm7.15; Mm8.38; Mm9.07; Mm10.75; Mm11.12;
Mm12.04; Mm13. Best double couple: M2.95000x10^16
NP1; o342.0000, o67.0000, A-91.0000. NP2;
o139.0000, o24.0000, A-111.0000. Principal axes:
T: 2.7500, Plg22.0000, Azm65.0000; N: 0.4130,

10d 1h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DGMT Dagmar, YHL YHL, PNTR Pine Nut, PAHR Pah Rah Range, HLID Halley, BOZ Bozeman (W), BOSA Boshof, ORV Oroville, MAW Mawson, EGMT Eagleton, PLID Pearl Lake, J08A Circle Bar, LBTA Lobatse, MSO Missoula, K05A Summer Lake, F10A Beach Ranch, L04D Klamath Falls, PINE Pine Mountain, I05D Terrebonne, K02D Willamette Mer, HAWA Hanford, NEWA Newport, D08A Wolman Farm, H04A Detroit Lake, BUCK Buck Mountain, HOOD Mount Hood Mea, LTY Liberty, F04A Ambo, PAB San Pablo, D05A Enumclaw, ESDC Sonseca Array, B06A Marblemount, LSZ Lusaka, YKA Yellowknife Ar, DLBC Dease Lake, P33M Teslin, P32M Atlin, MPMY Sheldon Lake, O30M Minto, M29M Somers Creek, H31M Peel River, J30M Hart River, L29M L29M, K29M Barlow Dome, I30M Mount Dempster, G31M Satah River, BVCY Beaver Creek, BGLC Bering Glacier, M27K Edge Creek, F30M Barrie River, KAIM Kayak Island, L27K Beaver Creek, H29M Whitestone, ILAR Eielson Array, TOLK Toadik Lake, H19K Roundabout Mou, C21K Knifeblade Ridge, L17K Donlin, E19K Redstone River, AKASG Malin Array, AKASG Malin Array, FINES FINES Array, B20K Meade River, D19K Kuna River, MMAI Mount Meron Ar.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like J16K Anvik River, BRTR Keskin Array B, BRTR Keskin Array B, BRTR Keskin Array B, C19K Lookout Ridge, ARCES ARCESS Array B, B18K Kokolik River, OBSN Obrninsk, STKA Stephens Creek, STKA Kislovodsk, KBZ Khabaz, KBZ Khabaz, Tsey Tsey, ASAR Alice Springs, ASAR Alice Springs, ARU Arti, WRA Warramunga Arr, WRA Warramunga Arr, WRAB Tennant Creek, WRAB Tennant Creek, GYX Tiksi, GYX Tiksi, PETK Petropavlovsk, BRVK Borovoye, BVAR Borovoye Arr, KK31 Karatay Array, KKAR Karatay Array, KURK Karatay Array, KURBB Kurchatov Arr, KURBB Kurchatov Arr, AAK Ala-Archa, AAK Ala-Archa, ZALV Zalesovo Beam, ZALV Zalesovo Beam, SOEI Soe, NRN Naryn, KSH Kashi, MMRI Maumere, BOD Bodaibo, BOD Bodaibo, MAK Makanchi, MAK Makanchi, MK31 Makanchi Array, MK31 Makanchi Array, YSS Yuzh-Sakhalins, YSS Yuzh-Sakhalins, JAGI Jajag, GMJI Garmakmas, GRNR Gornyy, GUMU Guam, WOJI Wonogiri, WOJI Wonogiri, KWIJ Karang Pucung, ASAJ Asahikawa, SMRI Semarang, SMRI Semarang, KLR Kuldur, KLR Kuldur, MOY Mondy, MOY Mondy, WMQ Uruqui, HEH Heihe, PYUN Piuthan, DANN Dangsing, GKN Gor'kha, USRK Ussuriysk Ar, USRK Ussuriysk Ar, DMN Daman, MJAR Matsushiro Arr, MJAR Matsushiro Arr, PKIN Pulchoki, PKI Pulchoki, GUN Gumba, JIRN Jiri, SONM Songoing Array, SONM Songoing Array, SONM Songoing Array, SONM Songoing Array, TAPN Tapejlung, GTA Gatotai, KSRK Korea Array, KSRK Korea Array, HMC Chiang Mai Ar, HMC Chiang Mai Ar, CMAR NanZhihua, PZH NanZhihua, NJ2 NanZhihua, NJ2 NanZhihua.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate, LBMI Labuha, GTOI Gorontalo, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, STKA Stephens Creek, STKA Stephens Creek, MKAR Makanchi Array, MKAR Makanchi Array, JMA JMA, JMA JMA, JAOM Aogashimamukai, JAOM Aogashimamukai, JHJ2 Mitsune, JHJ2 Mitsune, JHJ Hachijo jima, JHJ Hachijo jima, BSO1 Boso, BSO1 Boso, BSO1 Boso, BSO3 Boso, JRY Ryogang san, JRY Ryogang san, JAG Ashikaga, JAG Ashikaga, MJAR Matsushiro Arr, MJAR Matsushiro Arr, JMK Ichinoseki, JMK Ichinoseki, JNU Nakatsue, JNU Nakatsue, KSRK Korea Array, KSRK Korea Array, KLR Kuldur, KLR Kuldur, MKAR Makanchi Array, MKAR Makanchi Array, KURBB Kurchatov Arr, KURBB Kurchatov Arr, WRA Warramunga Arr, WRA Warramunga Arr, ILAR Eielson Array, ILAR Eielson Array, BVAR Borovoye Array, BVAR Borovoye Array, ASAR Alice Springs, ASAR Alice Springs, BRTR Keskin Array B, BRTR Keskin Array B, LDG LDG, LDG LDG, VIE VIE, VIE VIE, BGR BGR, BGR BGR, PRU PRU, PRU PRU, WATA Walderalm, WATA Walderalm, WATA Waltenberg, WATA Waltenberg, WTTA WTTA, WTTA WTTA, SOTA Sankt Quirin, SOTA Sankt Quirin, MOTA Motala, MOTA Motala, RETA Reutte, RETA Reutte, FETA Feichten, FETA Feichten, FETA Feichten, FETA Feichten, LESA Schwarzeleot, LESA Schwarzeleot, ABTA Alftersbach, ABTA Alftersbach, ABTA Alftersbach, DAVA Danuels, DAVA Danuels, DAVA Danuels, DAVA Danuels, KBA Koelnbreinsper, KBA Koelnbreinsper, PLONS Plons/SG, PLONS Plons/SG, BIOC Bad Ischl, BIOC Bad Ischl, MYKA Terra Mystica, MYKA Terra Mystica, MYKA Terra Mystica, WILA Wila, WILA Wila, MOA Moalin, MOA Moalin, MOA Moalin, SLE Schleitheim, SLE Schleitheim, OBKA Obir, OBKA Obir.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various radio stations.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various radio stations.

MDD 10 03:37:53.7d 0.6, 35.93N:0.50W, h17km,6km, mb_Lg2.9/20, Error ellipse: s-maj=5.2km s-min=3.4km az=146.0

CNRM 10 03:37:54.6, 36.04N:0.86W, h27km, mI2.0

ISC 10 03:51:6.3, 1.35, 96N:0.04, 0.61W:0.05, h15km, 22km, n36, s1671/71, Northern Algeria

10d 4h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ENIJ Nijar, CART Cartagena, TAF Taforal, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SLA San Lorenzo, AZAP Zapla, LVC Limon Verde, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like G004 La Serena, CO05 Juntas del Tor, CO01 Juntas del Tor, etc.

NOU 10 03:44:59.6, 21.49S; 168.95E, h0km, MLV4.07, Loyalty Islands

IDC 10 03:45:01.9, 1.4, 21.60S; 168.69E, h0km, mb3.8/4, mbtm3.8/5, ML3.3/1, MS3.4/3, Error ellipse: s-maj=42.9km s-min=27.2km az=179.0

ISC 10 03:45:04.7, 1.0, 21.55S; 0.1x168.70E, 0.10, h20km, n24, c067/23, mb4.2/7, 5C, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARE Mare, LIFOU LIFOU, PINNC Pines Island, etc.

SJA 10 04:09:21.4, 0.6, 30.98S; 71.56W, h73km, 5km, ML3.3, MW3.5

GUC 10 04:09:23.9, 0.9, 30.94S; 71.26W, h59km, 3km, ML3.3

ISC 10 04:09:27.1, 1.0, 30.95S; 0.03, 71.50W, 0.05, h61km, 9gkm, n44, c098/53, 1C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like G006 Fray Jorge, CO02 Combarbal, CO03 El Pedregal, etc.

IDC 10 04:19:08.2, 1.8, 7.08S; 128.91E, h0km, mb4.0/2, mbtm4.1/4, ML4.3/2, Error ellipse: s-maj=140.0km s-min=29.3km az=67.0, Banda Sea

Code Station Name Az Az' Phase ID Time Res. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, etc.

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

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

BUT 10 04:39:27.3, 1.0, 46.91N; 0.05, 112.51W, 0.06, h11km, 6km, Error ellipse: s-maj=7.9km s-min=6.0km az=187.0

NEIC 10 03:27.4, 1.2, 46.82N; 0.05, 112.58W, 0.05, h7km, 7km, ML2.8/44, ML3.2/23(BUT), Error ellipse: s-maj=6.7km s-min=5.0km az=198.0, Montana

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

10d 6h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes rows for NJ2, MNIX, TXAR, TXAR, L18K, PLID, HLID, ANMO, KLR, PNX, BNX, K20K, MA2, P29M, N25K, M24K, MCARA, CTG, S22A, PLBC, WAT6, H16K, CAST, WAT1, J19K, SKAG, CMIG, TRF, P30M, S34M, CHUM, J20K, M50, RND, F14K, DRIO, YUK8, PLCA, PAX, BW06, PDAR, HYT, M26K, Q32M, MCK, YUK3, SDCO, P32M, H18K, G17K, MSTX, M27K, O30N, DLB0, L26K, WHY, N30M, H19K, ELIB, K24K, R33M, H20K, L27K, I21K, MLY, ISCO, HDA, N31M, F17K, M29M, G19K, SCRK, H21K, COLA, I23K.

2017 NOV

Table with columns: SEY, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes rows for ILAR, VNA3, RLMT, SNA, SNA, SNA, HEH, J25K, N32M, POKR, K27K, M30M, H22K, E17K, J26L, L29M, F19K, K22A, H23K, VNA2, G21K, M31M, VNA1, E18K, DAWY, PRP, PRP, E19K, EGAK, K29M, I26K, G23K, F21K, I27K, TGTN, E20K, J28M, I29M, H27K, KOTAN, F24K, E22K, E21K, G26K, I30M, F25K, RSSD, G27K, H29M, F26K, TOLK, XLT, XLT, XLT, XLT, XLT, EPYK, D24K, F28M, CFA, XAN, XAN, XAN, E27K, G30M, NNA, G31M, ATAH, E28M, DGMT, E29M, C26K, F31M, D27M, TEIG, INK, CMAR, CD2, PZH, PZH, PZH, LVC, ECSD.

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error. Includes rows for C36M, LPAZ, EYMN, BVAR, ARCES, AKAGS, CLLG, CLL, CLL, BRG, BRG, DPC, DPC, MORC, MAUC, BRTR, VRAC, JAVC, KRUC, ZVC, KHC, CKRC, GERES, MMAL, TORD, TORD, DJA, IDC, CMJ, ISC, CGJI, BASI, KAPI, BKSI, BLSI, BATI, WRA, ASAR, MKAR, IGQ, IDC, NEIC, ISC, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Rate Error, Elevation Rate Error.

MRZ	Mangatainoga R	19.97 164	P	P	09 07 51.4 +0.3
SYDH	Sydney Hard R	20.00 229	P	Pn	09 07 54.6 +1.5
AULRC	Lightning Ridg	20.26 243	P	Pn	09 07 56.2 -0.1
WOLH	Wollongong Har	20.26 227	P	Pn	09 07 57.8 +1.5
TVIH	Townsville Har	20.63 272	P	Pn	09 07 59.6 -1.1
AUDCS	Dubbo College	20.79 235	P	Pn	09 08 02.4 -0.1
CTA	Charters Tower	21.01 270	P	P	09 08 02.7 +0.2
CTA	Charters Tower	21.01 270	P	P	09 08 04.1
CTA	comp-Z,52nm,1.2s,baz=104,slow=11		LR	LR	09 15 44.8
CTAO	Charters Tower	21.01 270	P	P	09 08 02.4 -0.1
CTAO	comp-Z,52nm,1.2s		IAMB	IAMB	09 08 12.6
CTAO	Charters Tower	21.01 270	IAMS_20	IAMS_20	09 15 42.2
CTAO	Charters Tower	21.01 270	P	P	09 08 02.8 +0.2
CTAO	Charters Tower	21.01 270	P	Pmax	09 08 02.4 -0.1
CTAO	comp-Z,226nm,1.5s		MLR	MLR	
CTAO	comp-Z,4um,20.0s		MLR	MLR	
AUHS	Uludaulla High	21.08 225	P	P	09 08 05.9 +2.7
CNB	Canberra Magne	21.80 227	P	P	09 08 11.8 +0.8
CNB	Canberra Magne	21.80 227	P	P	09 08 11.8 +0.8
CNB	Canberra Magne	21.80 227	P	P	09 08 14.4 +3.4
YNG	Yongarra	21.93 230	P	P	09 08 15.0 +2.6
CAN	Canberra	22.05 227	P	P	09 08 13.4 -0.3
CAN	Canberra	22.05 227	P	P	09 08 15.7 +2.0
CAN	Canberra	22.05 227	P	P	09 08 13.4 -0.3
RPZ	Rata Peaks	22.23 175	LR	LR	09 16 20.0
CMSA	Cobar Meteorol	22.82 239	P	P	09 08 23.2 +1.4
CMSA	Cobar Meteorol	22.82 239	P	P	09 08 23.2 +1.4
QLP	Quilpie	22.87 252	P	P	09 08 23.5 +1.1
AUSMG	Snowy Mountain	22.93 225	P	P	09 08 25.0 +2.6
MILA	Mila	22.95 223	P	P	09 08 25.3 +2.1
MILA	Mila	22.95 223	P	P	09 08 26.7 +3.5
MTSU	Mount Surprise	23.15 274	P	P	09 08 25.2 -0.2
MTSU	Mount Surprise	23.15 274	P	P	09 08 26.1 +0.7
WKZ	Wanaka	23.26 179	IAMS_20	IAMS_20	09 15 28.8
RABL	Rabaul	23.52 315	P	P	09 08 27.9 -1.2
RABL	Rabaul	23.52 315	IAMB	IAMB	09 08 40.4
RABL	Rabaul	23.52 315	P	P	09 08 28.5 -0.7
PMG	Port Moresby	23.94 297	P	P	09 08 33.5 +0.4
PMG	Port Moresby	23.94 297	P	P	09 08 33.1 0.0
PMG	Port Moresby	23.94 297	eP	P	09 08 32.3 -0.8
PMG	Port Moresby	23.94 297	Pmax	Pmax	
PMG	Port Moresby	23.94 297	LR	LR	09 17 15.5
COEN	Coen	25.40 283	P	P	09 08 45.4 -1.1
COEN	Coen	25.40 283	P	P	09 08 47.7 +1.2
AUMAG	Moama Anglican	25.42 230	P	P	09 08 48.6 +2.1
TOO	Toolangi	25.64 226	P	P	09 08 48.3 -0.3
TOO	Toolangi	25.64 226	P	P	09 08 51.3 +2.7
TOO	Toolangi	25.64 226	P	P	09 08 48.3 -0.3
INKA	Innaminka	26.10 251	P	P	09 08 54.5 +1.7
STKA	Stephens Creek	26.24 241	P	P	09 08 55.1 +1.2
STKA	Stephens Creek	26.24 241	P	P	09 08 53.7 -0.3
STKA	Stephens Creek	26.24 241	P	P	09 08 55.5 +1.5
STKA	Stephens Creek	26.24 241	P	P	09 08 53.7 -0.3
STKA	Stephens Creek	26.24 241	Pmax	Pmax	
STKA	Stephens Creek	26.24 241	P	P	09 08 54.7 +0.7
STKA	Stephens Creek	26.24 241	LR	LR	09 19 14.0
BRAT	Ballarat	26.70 228	P	P	09 09 00.9 +2.9
QIS	Mount Isa	27.13 267	P	P	09 09 02.4 +0.2
QIS	Mount Isa	27.13 267	P	P	09 09 02.9 +0.7
ARPS	Mount Arapiles	27.81 231	P	P	09 09 10.1 +1.9
ARPS	Mount Arapiles	27.81 231	P	P	09 09 10.0 +1.9
MANU	Manus Island	28.37 310	P	P	09 09 12.7 -0.6
LCRK	Leigh Creek	28.72 246	P	P	09 09 17.1 +0.9
RAR	Rarotonga	29.36 35	LR	LR	09 15 51.1
WHYH	Whyalla	29.82 241	P	P	09 09 27.1 +1.1
OOD	Oodnadatta	30.56 252	P	P	09 09 33.8 +1.2
BBOO	Bucklebo	31.00 242	P	P	09 09 37.5 +1.1
BBOO	Bucklebo	31.00 242	P	P	09 09 35.9 -0.6
BBOO	Bucklebo	31.00 242	P	P	09 09 37.6 +1.1
WR0	Warramunga Arr	31.92 267	IAMB	IAMB	09 09 43.5 -1.2
WR0	Warramunga Arr	31.92 267	IAMB	IAMB	09 09 47.0
WB0	Warramunga Arr	32.09 267	P	P	09 09 44.8 -1.4
WB0	Warramunga Arr	32.09 267	IAMB	IAMB	09 09 46.7
WB2	Warramunga Arr	32.10 266	P	P	09 09 44.5 -1.8
WB2	Warramunga Arr	32.10 266	IAMB	IAMB	09 09 49.7
WRAB	Tennant Creek	32.10 267	P	P	09 09 44.7 -1.6
WRAB	Tennant Creek	32.10 267	IAMB	IAMB	09 09 57.4
WRAB	Tennant Creek	32.10 267	IAMS_20	IAMS_20	09 22 12.0
WRAB	Tennant Creek	32.10 267	P	P	09 09 45.3 -1.0
WRAB	Tennant Creek	32.10 267	eP	P	09 09 44.7 -1.6
WRA	Warramunga Arr	32.11 266	P	P	09 09 44.2 -2.2
WRA	Warramunga Arr	32.11 266	P	P	09 09 44.2 -2.2
WRA	Warramunga Arr	32.11 266	Pmax	Pmax	
WRA	Warramunga Arr	32.11 266	P	P	09 09 44.9 -1.5
WRA	Warramunga Arr	32.11 266	LR	LR	09 22 23.0
AS31	Alice Springs	32.13 259	P	P	09 09 45.9 -0.7
ASAR	Alice Springs	32.13 259	P	P	09 09 46.0 -0.5
ASAR	Alice Springs	32.13 259	P	P	09 09 45.8 -0.5
ASAR	comp-Z,29nm,0.8s,baz=88,slow=7.1,SNR=136		eP	PcP	09 12 33.9 -1.9
ASAR	comp-Z,5.0nm,1.1s,baz=94,slow=2.7,SNR=4.8		LR	LR	09 22 31.2
MULG	Mulgathing	32.24 247	P	P	09 09 47.9 +0.5
GENI	Genyem	33.50 300	P	P	09 09 58.4 -0.2
GENI	Genyem	33.50 300	P	P	09 10 04.5 +5.9
KDU	Kakadu	35.62 278	P	P	09 10 16.0 -0.9
KDU	Kakadu	35.62 278	P	P	09 10 17.3 +0.4
MTN	Manton Dam	36.81 277	P	P	09 10 23.7 -3.4
MTN	Manton Dam	36.81 277	P	P	09 10 25.6 -1.5
MTN	Manton Dam	36.81 277	IAMB	IAMB	09 10 27.4
MTN	Manton Dam	36.81 277	P	P	09 10 26.2 -0.9
WRKA	Warakurna	37.16 257	P	P	09 10 29.6 -0.5
WRKA	Warakurna	37.16 257	P	P	09 10 29.6 -0.5
WRKA	Warakurna	37.16 257	P	P	09 10 29.8 -0.3
FORT	Forrest	37.44 247	P	P	09 10 32.6 +0.3
FORT	Forrest	37.44 247	P	P	09 10 31.4 -0.9
FORT	Forrest	37.44 247	IAMB	IAMB	09 10 35.5
FORT	Forrest	37.44 247	P	P	09 10 33.0 +0.7
KNRA	Kununurra	38.19 272	P	P	09 10 37.9 -0.9
KNRA	Kununurra	38.19 272	P	P	09 10 37.6 -1.2
KNRA	Kununurra	38.19 272	IAMB	IAMB	09 10 42.8
KNRA	Kununurra	38.19 272	P	P	09 10 38.1 -0.7
PPT2	Papeete	39.45 92	ePKIKP	P	09 10 45.2 -4.3

PPT2	comp-Z,56nm,26.8s		eLQ	LQ	09 20 14.3
PPT2	comp-Z,1um,25.5s		eLR	LR	09 21 56.8
PPT2	comp-Z,2um,27.0s		LR	LR	09 21 56.8
PPT	Papeete	39.46 92	LR	LR	09 22 58.3
GUMO	Guam	41.99 324	LR	LR	09 26 22.4
KMBL	Kambalda	42.76 247	P	P	09 11 16.5 0.0
KMBL	Kambalda	42.76 247	P	P	09 11 16.7 +0.2
SOEI	Soe	44.18 278	IAMS_20	IAMS_20	09 30 29.5
SOEI	Soe	44.18 278	P	P	09 11 28.6 +0.3
NLAI	Namlea	44.28 288	P	P	09 11 31.5 +2.6
BATI	Baumata	44.56 277	LR	LR	09 30 18.7
PSA00	Pilbara Seismi	45.26 261	P	P	09 11 35.9 -0.8
PSA00	Pilbara Seismi	45.26 261	IAMB	IAMB	09 12 36.0
PSA00	Pilbara Seismi	45.26 261	P	P	09 11 36.7 0.0
PSA00	Pilbara Seismi	45.26 261	P	P	09 11 37.8 -0.3
PSA00	Pilbara Seismi	45.26 261	P	P	09 11 38.5 +0.4
MEEK	Meekatharra	45.76 253	P	P	09 11 39.9 -0.7
MEEK	Meekatharra	45.76 253	P	P	09 11 40.6 0.0
SANI	Sana	45.81 289	P	P	09 11 40.9 -0.2
SANI	Sana	45.81 289	P	P	09 11 40.7 -0.4
KLBR	Kellerberrin	46.29 246	P	P	09 11 44.0 -0.6
KLBR	Kellerberrin	46.29 246	P	P	09 11 44.1 -0.6
NWAO	Narrogin (SRO)	46.73 245	P	P	09 11 48.0 -0.2
NWAO	Narrogin (SRO)	46.73 245	P	P	09 11 48.0 -0.2
NWAO	Narrogin (SRO)	46.73 245	P	P	09 11 47.9 -0.2
NWAO	Narrogin (SRO)	46.73 245	P	P	09 11 48.5 +0.4
NWAO	Narrogin (SRO)	46.73 245	P	P	09 11 48.6 +0.4
NWAO	Narrogin (SRO)	46.73 245	P	P	09 11 48.5 +0.4
NWAO	Narrogin (SRO)	46.73 245	Pmax	Pmax	
NWAO	Narrogin (SRO)	46.73 245	MLR	MLR	
NWAO	Narrogin (SRO)	46.73 245	LR	LR	09 32 29.9
EDFI	Ende, Flores	46.92 278	P	P	09 11 51.9 +2.0
BLDU	Balidu	47.21 248	P	P	09 11 51.3 -0.6
BLDU	Balidu	47.21 248	P	P	09 11 51.7 -0.2
MUN	Mundaring	47.60 246	P	P	09 11 55.4 +0.4
MUN	Mundaring	47.60 246	P	P	09 11 56.7 -0.3
MORW	Morawa	47.86 250	P	P	09 11 56.4 -0.6
MORW	Morawa	47.86 250	IAMB	IAMB	09 11 57.7
MORW	Morawa	47.86 250	P	P	09 11 57.2 +0.2
LWU	Luwuk	49.12 288	P	P	09 12 06.3 -0.5
BKSI	Bukitumba	49.66 282	P	P	09 12 13.2 +2.3
KAPI	Kappang	50.12 282	P	P	09 12 13.1 -1.4
KAPI	Kappang	50.12 282	P	P	09 12 15.2 +0.7
KAPI	Kappang	50.12 282	eP	P	09 12 14.5 0.0
KAPI	Kappang	50.12 282	Pmax	Pmax	
KAPI	Kappang	50.12 282	LR	LR	09 32 54.3
PLAI	Plampang	50.50 276	P	P	09 12 17.8 +0.4
PLAI	Plampang	50.50 276	P	P	09 12 18.4 +1.0
TAOE	Nuku Hiva Isla	50.76 84	ePKIKP	P	09 12 14.9 -4.5
TAOE	comp-Z,490nm,25.8s		eS	S	09 19 40.5 +5.3
TAOE	comp-Z,157nm,28.9s		eSS	SS	09 23 05.3 -4.6
TTSI	Tana Toraja	50.87 284	P	P	09 12 22.1 +2.0
DAV	Davao City	50.93 299	LR	LR	09 33 32.1
TWSI	Taliwang, Sumb	51.36 276	P	P	09 12 32.0 +8.1
TOLIZ	Tolitoli	51.88 289	IAMB	IAMB	09 12 26.6 -1.2
TOLIZ	Tolitoli	51.88 289	P	P	09 12 28.2
TOLIZ	Tolitoli	51.88 289	P	P	09 12 27.4 -0.3
MPSI	Mapaga	52.30 288	P	P	09 12 30.8 0.0
JAGI	Jajag, Banyuwa	53.99 275	P	P	09 12 41.9 -1.4
JAGI	Jajag, Banyuwa	53.99 275	P	P	09 12 42.2 -1.1
JAGI	Jajag, Banyuwa	53.99 275	P	P	09 12 43.4 +0.1
JCJ	Chichijima	54.70 331	LR	LR	09 36 17.1
MYLDM	Lahad Datu	55.85 292	P	P	09 12 56.4 -0.4
VNDA	Vanda	56.15 182	P	P	09 12 58.5 +0.5
VNDA	Vanda	56.15 182	P	P	09 12 58.5 +0.5
VNDA	Vanda	56.15 182	Pmax	Pmax	
VNDA	Vanda	56.15 182	P	P	09 12 57.9 -0.1
VNDA	comp-Z,5.2nm,1.1s,baz=357,slow=8.2,SNR=18		LR	LR	09 35 06.6
SBA	Scott Base	56.40 180	P	P	09 13 00.5 +0.8
SBA	Scott Base	56.40 180	P	P	09 13 00.5 +0.8
SBA	Scott Base	56.40 180	Pmax	Pmax	
WOJI	Wonogiri, Jawa	57.20 275	P	P	09 13 07.1 +0.7
KKM	Kota Kinabalu	58.25 292	P	P	09 13 13.4 -0.5
KKM	Kota Kinabalu	58.25 292	P	P	09 13 13.7 -0.2
KPKI	Karang Pucung	59.23 274	P	P	09 13 21.6 +1.0
STKI	Sintang	59.73 283	P	P	09 13 26.1 +2.0
SBUM	Sibu	60.09 286	P	P	09 13 25.8 -0.8
LEM	Lembang	60.62 274	LR	LR	09 41 25.5
KSM	Kuching	61.38 284	P	P	09 13 34.6 -0.8
KSM	Kuching	61.38 284	P	P	09 13 35.2 -0.2
JOW	Kunigami	61.97 319	P	P	09 13 39.5 +0.5
JOW	Kunigami	61.97 319	LR	LR	09 40 15.3
CGJI	Cibinong	62.49 274	P	P	09 13 42.7 -0.1
NACB	Ningsanchiao	64.45 312	P	P	09 13 55.3 -0.5
NACB	Ningsanchiao	64.45 312			

Table with columns: WCT, Wildcat Mounta, 3.16 25, IAML, Pn, 09 26 01.8 +1.8, 09 26 55.6

UPP 10 09:58:59.8, 2.6, 64.47N, 31.11E, h0km, ML1.7
HEL 10 09:59:01.0, 0.1, 64.74N, 30.77E, h0km, ML2.0, Suspected explosion

KOLA 10 09:59:05.2, 64.72N, 30.54E, h0km, ML2.2, Error ellipse: s-maj=21.1km s-min=9.4km az=160.0, Kostomuksha, Karelia

ISC 10 09:59:00.6, 0.9, 64.73N, 0.02, 31.10E, 0.05, h0km, n46, c1560/68, Baltic States-Belarus-Northwestern Russia

Main table with columns: Code, Station Name, Az, Op, ISC, Phase ID, Time, Res, h m s, ISC

Table with columns: STG3, Labor Ovalle, 0.77 93, I P, Sn, 10 08 42.8 +0.5, 10 08 28.5, 10 08 29.2

MOS 10 10:23:51.7, 1.4, 44.59N, 148.30E, h72km, mb4.7/13, Error ellipse: s-maj=8.8km s-min=6.5km az=56.6

JMA 10 10:23:52.1, 0.4, 44.44N, 148.81E, h0km, MD4.5/32, MV5.0/32, SE OFF ETOROFU

NIED 10 10:23:52.1, 44.15N, 148.15E, h0km, MW4.4, Moment Tensor Solution, s3 Moment tensor: Scale 10^19Nm

SKHL 10 10:23:52.0, 3.4, 60.66N, 148.40E, h73km, mb5.4/8, NEIC 10 10:23:54.2, 0.8, 44.63N, 148.33E, 0.07, h70km, 8km, mb4.5/101, Error ellipse: s-maj=14.3km s-min=5.5km az=158.0

ISC 10 10:23:51.9, 0.6, 44.49N, 0.04, 148.41E, 0.05, h59km, 5km, n230, c1925/205, mb4.5/8, MS3.7/18, 6C-4D, Kuril Islands

Main table with columns: Code, Station Name, Az, Op, ISC, Phase ID, Time, Res, h m s, ISC

Table with columns: RUSJ, Misakicho, 2.30 261, ePN, Pn, 10 24 29.4 +2.0, 10 24 57.4 +3.2, 10 24 50.4 +1.3

MOS 10 10:23:51.7, 1.4, 44.59N, 148.30E, h72km, mb4.7/13, Error ellipse: s-maj=8.8km s-min=6.5km az=56.6

JMA 10 10:23:52.1, 0.4, 44.44N, 148.81E, h0km, MD4.5/32, MV5.0/32, SE OFF ETOROFU

NIED 10 10:23:52.1, 44.15N, 148.15E, h0km, MW4.4, Moment Tensor Solution, s3 Moment tensor: Scale 10^19Nm

SKHL 10 10:23:52.0, 3.4, 60.66N, 148.40E, h73km, mb5.4/8, NEIC 10 10:23:54.2, 0.8, 44.63N, 148.33E, 0.07, h70km, 8km, mb4.5/101, Error ellipse: s-maj=14.3km s-min=5.5km az=158.0

ISC 10 10:23:51.9, 0.6, 44.49N, 0.04, 148.41E, 0.05, h59km, 5km, n230, c1925/205, mb4.5/8, MS3.7/18, 6C-4D, Kuril Islands

Main table with columns: Code, Station Name, Az, Op, ISC, Phase ID, Time, Res, h m s, ISC

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like NJ2 Nanjing, HNS HongShan, and various other regional stations.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like CMAR Chiang Mai Arr, SHL Shilling, and various other regional stations.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like CLL Colim, VRAC Vranov, and various other regional stations.

LVSN 10 10:34:01.9.3.1.58:77N:25:41E, h0km, mb4.2/16, HEL 10 10:33:49.4.0.5, 59:14N:28:29E, h0km, ML1.8, Suspected explosion, Baltic States-Belarus-Northwestern Russia

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and other technical details. Includes stations like VSU Vasula, ARBE Arbavere, and various other regional stations.

IDC 10 10:48:20.0.0.7, 11:98N:143:78E, h0km, mb4.2/16, bmtmp4.2/16, MS3.4/12, Error ellipse: s-maj=22.1km s-min=16.5km az=110.0

NEIC 10 10:48:28.3.1.1, 12:33N:01:143:8E:0.1, h36km, 8km, mb4.6/51, Error Ellipse: s-maj=19.0km s-min=12.0km az=122.0

ISC 10 10:48:25.2.0.6, 12:14N:0:09:143:79E:0.09, h26km, n82, e1916/65, mb4.6/42, MS3.3/11, South of Mariana Islands

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, and other technical details. Includes stations like GUMO Guam, GUMU Guam, and various other regional stations.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC, H, S, ISC. Includes stations like MDVR Moldovita, SFTF Sextfontaines, CABF La Chapelle, etc.

IDC 10 11:23:28.5:1.7, 63°19'N-150°83'W, h104km, 1.7km, m3.6/12 mbtpr3.9/17, MS2.7/1, Error ellipse: s-maj=17.3km s-min=15.2km az=79.0

NEIC 10 11:23:29.7:0.8, 63°09'N-0°03:150°58'W:0.07, h120km, 4km, Error ellipse: s-maj=4.9km s-min=4.7km az=61.0

AEIC 10 11:23:30.2:0.8, 63°08'N-0°03:150°57'W:0.07, h13km, 4km, ML3.6, ML3.8/214(NEIC), Error ellipse: s-maj=5.0km s-min=4.4km az=220.0

ISC 10 11:23:29.8:0.6, 63°09'N-0°03:150°58'W:0.03, h119km, 5km, n423, 0954/447, mb4.0/12, Central Alaska

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC, H, S, ISC. Includes stations like TRF Thorofore Moun, TRF Thorofore Moun, TRF Thorofore Moun, etc.

Main data table with columns: Station Name, Az, El, Phase ID, Time, Res, ISC, H, S, ISC. Includes stations like WAT1, MCK McKinley, BPAW Bear Paw Mtn, etc.

Table with columns: Station Name, Az, El, Phase ID, Time, Res, ISC, H, S, ISC. Includes stations like I21K Tanana, M24K Tolsona, K24K Donnelly Dome, etc.

10d 11h

BRSE	Bradley Lake S	3.37 181	Pn	11 24 20.5	-0.4
BRSE	Bradley Lake S	3.37 181	P	11 24 20.5	-0.4
O19K	Port Alsworth	3.41 213	P	11 24 21.5	0.0
J26L	Joseph Creek	3.42 62	Pn	11 24 21.8	+0.2
J26L	Joseph Creek	3.42 62	P	11 24 21.8	+0.2
EYAK	Cordova Ski Ar	3.43 136	Pn	11 24 21.1	-0.6
EYAK	Cordova Ski Ar	3.43 136	P	11 24 20.9	-0.9
EYAK	Cordova Ski Ar	3.43 136	Pn	11 24 21.6	-0.1
P23K	Montague Islan	3.46 153	P	11 24 21.1	-1.0
P23K	Montague Islan	3.46 153	Pn	11 24 21.6	-0.5
HOM	Homer	3.48 189	Pn	11 24 22.5	+0.1
N18K	Kilae Creek	3.49 228	Pn	11 24 22.3	-0.3
N18K	Kilae Creek	3.49 228	P	11 24 22.2	-0.3
BMRM	Bremner River	3.53 124	Pn	11 24 21.8	-1.3
BMRM	Bremner River	3.53 124	P	11 24 21.8	-1.3
H19K	Roundabout Mou	3.54 316	Pn	11 24 22.9	-0.1
H19K	Roundabout Mou	3.54 316	P	11 24 22.9	-0.1
K17K	Iditarod	3.56 267	Pn	11 24 23.4	0.0
K17K	Iditarod	3.56 267	IAML	11 25 24.4	
K17K	Iditarod	3.56 267	IAML	11 25 28.6	
K17K	Iditarod	3.56 267	Pn	11 24 23.3	0.0
M26K	Nabesna, AK	3.56 98	Pn	11 24 23.1	-0.3
M26K	Nabesna, AK	3.56 98	IAML	11 25 25.9	
M26K	Nabesna, AK	3.56 98	IAML	11 25 27.8	
M26K	Nabesna, AK	3.56 98	Pn	11 24 22.9	-0.5
GLB	Gilahina Butte	3.57 115	IAML	11 24 23.4	-0.2
GLB	Gilahina Butte	3.57 115	IAML	11 25 04.4	
GLB	Gilahina Butte	3.57 115	IAML	11 25 06.0	
CNPM	China Poot	3.59 185	Pn	11 24 23.7	-0.2
M17K	Holitna River	3.63 245	Pn	11 24 23.6	-0.7
M17K	Holitna River	3.63 245	IAML	11 25 49.2	
M17K	Holitna River	3.63 245	IAML	11 25 52.7	
M17K	Holitna River	3.63 245	Pn	11 24 23.6	-0.7
G23K	Banza Creek	3.64 3	Pn	11 24 24.9	+0.4
G23K	Banza Creek	3.64 3	IAML	11 25 06.7	
G23K	Banza Creek	3.64 3	IAML	11 25 08.3	
G23K	Banza Creek	3.64 3	Pn	11 24 24.9	+0.4
G21K	Allakaket	3.66 341	Pn	11 24 25.0	+0.3
G21K	Allakaket	3.66 341	P	11 24 25.0	+0.3
L17K	Donlin	3.69 258	Pn	11 24 25.1	-0.1
L17K	Donlin	3.69 258	P	11 24 25.1	-0.1
H25L	Birch Creek	3.79 31	Pn	11 24 26.8	+0.4
H25L	Birch Creek	3.79 31	P	11 24 26.7	+0.4
VRDI	Verde Repeater	3.83 116	Pn	11 24 26.5	-0.7
VRDI	Verde Repeater	3.83 116	IAML	11 25 11.8	
VRDI	Verde Repeater	3.83 116	IAML	11 25 32.1	
G24K	Hadweenciz Riv	3.85 19	Pn	11 24 27.4	+0.1
G24K	Hadweenciz Riv	3.85 19	P	11 24 27.4	+0.1
G22K	Bettles	3.87 355	Pn	11 24 27.7	+0.3
G22K	Bettles	3.87 355	P	11 24 27.7	+0.3
K27K	Chicken	3.92 72	IAML	11 24 27.8	-0.3
K27K	Chicken	3.92 72	IAML	11 25 17.1	
K27K	Chicken	3.92 72	IAML	11 25 18.9	
K27K	Chicken	3.92 72	Pn	11 24 28.0	-0.2
MCARA	McCarthy VSAT	3.93 113	Pn	11 24 28.4	+0.1
MCARA	McCarthy VSAT	3.93 113	P	11 24 28.1	-0.2
I26K	Coal Creek Min	3.93 52	IAML	11 24 28.1	-0.2
I26K	Coal Creek Min	3.93 52	IAML	11 25 19.1	
I26K	Coal Creek Min	3.93 52	IAML	11 25 19.6	
I26K	Coal Creek Min	3.93 52	Pn	11 24 28.2	-0.2
O18K	Koktuh Hills	3.94 216	IAML	11 24 28.1	-0.3
O18K	Koktuh Hills	3.94 216	IAML	11 25 52.6	
O18K	Koktuh Hills	3.94 216	Pn	11 24 28.4	-0.1
L27K	Beaver Creek	3.98 87	IAML	11 24 28.4	-0.7
L27K	Beaver Creek	3.98 87	IAML	11 25 38.7	
L27K	Beaver Creek	3.98 87	IAML	11 25 40.1	
L27K	Beaver Creek	3.98 87	Pn	11 24 28.4	-0.7
H18K	Honhosa River	3.99 305	Pn	11 24 29.6	+0.5
H18K	Honhosa River	3.99 305	P	11 24 29.3	+0.2
BCAR	Beaver Creek A	4.00 86	Pn	11 24 28.5	-0.8
N17K	Nushagak Hills	4.06 234	IAML	11 24 29.9	-0.1
N17K	Nushagak Hills	4.06 234	IAML	11 25 53.0	
N17K	Nushagak Hills	4.06 234	IAML	11 26 01.6	
N17K	Nushagak Hills	4.06 234	Pn	11 24 30.0	0.0
M27K	Edge Creek, AK	4.07 97	IAML	11 24 30.7	+0.3
M27K	Edge Creek, AK	4.07 97	IAML	11 25 39.7	
M27K	Edge Creek, AK	4.07 97	IAML	11 25 43.7	
M27K	Edge Creek, AK	4.07 97	Pn	11 24 30.7	+0.3
HMT	Hamilton	4.08 130	Pn	11 24 29.9	-0.5
G25K	Bearman Lake	4.15 25	Pn	11 24 31.4	+0.2
G25K	Bearman Lake	4.15 25	P	11 24 31.4	+0.2
G19K	Purcell Mouna	4.15 320	Pn	11 24 31.1	-0.1
G19K	Purcell Mouna	4.15 320	P	11 24 31.6	+0.3
COLD	Coldfoot	4.16 2	Pn	11 24 31.9	+0.6
COLD	Coldfoot	4.16 2	P	11 24 31.6	+0.3
FYU	Fort Yukon	4.17 31	IAML	11 24 31.9	+0.5
FYU	Fort Yukon	4.17 31	IAML	11 25 50.1	
FYU	Fort Yukon	4.17 31	IAML	11 25 50.4	
CROM	Cirque	4.22 120	Pn	11 24 32.0	-0.5
CROE	Cirque	4.25 120	P	11 24 31.5	-1.2
NICHA	Nichawak Mount	4.26 129	Pn	11 24 31.7	-1.0
PTPK	Patty Peak	4.26 113	Pn	11 24 32.9	0.0
F21K	Alatna River	4.32 345	Pn	11 24 34.4	+0.8
F21K	Alatna River	4.32 345	P	11 24 34.3	+0.8
KAIM	Kayak Island	4.33 134	Pn	11 24 32.2	-1.6
KAIM	Kayak Island	4.33 134	IAML	11 25 51.5	
KAIM	Kayak Island	4.33 134	IAML	11 25 56.8	
KAIM	Kayak Island	4.33 134	Pn	11 24 32.3	-1.4
P18K	Big Mountain	4.34 213	Pn	11 24 34.0	+0.2
P18K	Big Mountain	4.34 213	P	11 24 33.9	+0.2
TGL	Tana Glacier	4.35 119	Pn	11 24 33.2	-0.8
TGL	Tana Glacier	4.35 119	IAML	11 25 46.6	
L16K	Owhat River	4.37 255	Pn	11 24 34.3	+0.2
L16K	Owhat River	4.37 255	IAML	11 25 25.6	
L16K	Owhat River	4.37 255	Pn	11 24 34.0	-0.1

2017 NOV

Q19K	Cape Douglas,	4.44 201	P	11 24 35.7	+0.5
KIAC	Klagna River	4.44 116	Pn	11 24 34.3	-1.1
M16K	Timber Creek	4.46 246	IAML	11 26 03.6	
M16K	Timber Creek	4.46 246	IAML	11 26 18.8	
M16K	Timber Creek	4.46 246	Pn	11 24 35.1	-0.2
GRIN	Grindle Hills	4.46 126	Pn	11 24 35.0	-0.5
G18K	Tagagawik	4.48 312	P	11 24 36.0	+0.4
F22K	John River	4.48 352	Pn	11 24 36.1	+0.4
F22K	John River	4.48 352	P	11 24 36.1	+0.4
EGAK	Eagle	4.49 64	Pn	11 24 35.8	+0.1
EGAK	Eagle	4.49 64	P	11 24 35.6	-0.1
H17K	Granite Mouna	4.50 298	Pn	11 24 36.4	+0.4
BVCY	Beaver Creek	4.52 94	Pn	11 24 35.8	-0.4
BVCY	Beaver Creek	4.52 94	P	11 24 35.8	-0.4
F20K	Avaraart Lake	4.53 334	Pn	11 24 36.9	+0.6
F20K	Avaraart Lake	4.53 334	P	11 24 36.7	+0.4
J16K	Anvik River	4.54 277	IAML	11 24 36.7	+0.2
J16K	Anvik River	4.54 277	IAML	11 25 29.5	
J16K	Anvik River	4.54 277	Pn	11 24 36.9	+0.3
O17K	Koliganek Bris	4.57 226	Pn	11 24 36.7	-0.2
O17K	Koliganek Bris	4.57 226	P	11 24 36.8	0.0
F24K	Squaw Lake	4.58 13	Pn	11 24 37.5	+0.4
F24K	Squaw Lake	4.58 13	P	11 24 37.3	+0.2
SYI	Shuyak Island	4.58 192	IAML	11 24 36.9	-0.2
SYI	Shuyak Island	4.58 192	IAML	11 25 33.2	
SYI	Shuyak Island	4.58 192	IAML	11 25 33.9	
SYI	Shuyak Island	4.58 192	Sn	11 25 28.4	-1.0
Q20K	Shuyak Island	4.59 192	P	11 24 36.9	-0.2
H17K	Unalakleet	4.60 284	IAML	11 24 37.9	+0.5
H17K	Unalakleet	4.60 284	IAML	11 25 23.5	
H17K	Unalakleet	4.60 284	Pn	11 24 37.8	+0.5
ISLE	Juniper Island	4.63 119	Pn	11 24 36.6	-1.3
I27K	Kandik River	4.64 53	Pn	11 24 38.0	+0.1
I27K	Kandik River	4.64 53	P	11 24 37.9	+0.1
BARN	Barnard Glacie	4.66 112	IAML	11 24 38.3	0.0
BARN	Barnard Glacie	4.66 112	IAML	11 26 00.7	
BARN	Barnard Glacie	4.66 112	IAML	11 26 04.2	
N16K	Nishik Lake	4.69 240	Pn	11 24 38.3	-0.3
N16K	Nishik Lake	4.69 240	P	11 24 38.3	-0.3
BARK	Barkley Ridge	4.70 121	Pn	11 24 37.9	-0.8
SNH	Sunshine Point	4.71 125	IAML	11 24 38.3	-0.5
SNH	Sunshine Point	4.71 125	IAML	11 25 56.1	
YUK2	White River	4.71 102	Pn	11 24 38.9	+0.1
GRNC	Granite Creek	4.80 116	IAML	11 24 39.2	-0.9
GRNC	Granite Creek	4.80 116	IAML	11 25 56.2	
GRNC	Granite Creek	4.80 116	IAML	11 25 59.0	
BAGL	Bagley Icefiel	4.80 119	Pn	11 24 38.8	-1.1
G26K	Porcupine Riv	4.82 34	Pn	11 24 40.0	-0.2
G26K	Porcupine Riv	4.82 34	P	11 24 40.0	-0.2
P17K	Kvichak River	4.83 219	Pn	11 24 40.8	+0.4
P17K	Kvichak River	4.83 219	P	11 24 40.7	+0.4
F19K	Shaluerckik Mo	4.84 324	Pn	11 24 40.9	+0.4
CTG	China Glacier	4.84 112	Pn	11 24 40.3	-0.4
YUK3	Moose Creek	4.88 101	Pn	11 24 41.5	+0.2
YUK3	Moose Creek	4.88 101	P	11 24 41.5	+0.2
KAHC	Katmai Hardscr	4.96 208	Pn	11 24 42.2	0.0
KAHC	Katmai Hardscr	4.96 208	P	11 24 42.2	0.0
O18K	Katmai Hardscr	4.96 208	Pn	11 24 42.2	0.0
F25K	Christian Riv	4.97 22	Pn	11 24 42.3	0.0
F25K	Christian Riv	4.97 22	P	11 24 42.3	0.0
H27K	Steamboat Moun	5.00 47	Pn	11 24 42.2	-0.5
H27K	Steamboat Moun	5.00 47	P	11 24 42.4	-0.3
E23K	Chandalar	5.00 4	Pn	11 24 43.0	+0.3
E23K	Chandalar	5.00 4	P	11 24 43.0	+0.3
YAH	Yahtse	5.01 119	IAML	11 24 42.3	-0.8
YAH	Yahtse	5.01 119	IAML	11 26 04.5	
YAH	Yahtse	5.01 119	IAML	11 26 12.0	
BMAR	Burnt Mountain	5.03 27	Pn	11 24 42.9	-0.2
O16K	Kokwok River B	5.04 229	IAML	11 24 43.0	-0.2
O16K	Kokwok River B	5.04 229	IAML	11 25 55.4	
O16K	Kokwok River B	5.04 229	IAML	11 26 24.2	
O16K	Kokwok River B	5.04 229	Pn	11 2	

CMAR Chiang Mai Arr 82.58 296 P P 11 35 38.7 -0.7
comp=N=0.3nm,0.3s,baz=359,slow=7.0,SNR=5.0
comp=0.0,3nm,0.3s

NEIC 10 11:24:57.1±0.5,57.552N±0.04±153.10W±0.05,
h26km,11km,Error ellipse: s-maj=6.1km s-min=3.2km
baz=194.0

AEIC 10 11:24:57.3±0.5,57.52N±0.07±152.97W±0.07,h26km,8km,
ML2.0,ML2.7(6)(NEIC),Error ellipse: s-maj=10.4km
s-min=3.9km az=155.0,Kodiak Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KDIK, KODI, KARL, R18K, etc.

NEIC 10 11:20:26.1±1.1,18.97S±0.08±169.54E±0.10,h21km,6km,
mb4.3/26,Error ellipse: s-maj=16.1km s-min=7.4km
az=129.0

NOU 10 11:31:22.2,19.04S±169.44E,h29km,mb4.4/25,
Vanuatu Islands

IDC 10 11:31:23.2±1.6,19.11S±169.29E,h240km,14km,mb3.7/7,
mbtmp4.2/9,Error ellipse: s-maj=21.6km s-min=13.7km
az=0.0

IDC 10 11:31:23.0±1.6,19.13S±169.36E±0.07,h246km,n72,
±192/75,mb4.2/19,5C,Varuatu Islands

Main table for NEIC and NOU events, listing station codes, names, and data points.

comp=Z=0.8nm,0.9s
TROLL Troll, Antarti 88.66 184 ↑P P 11 43 48.5 -0.3
comp=Z=1.34nm,0.7s

SNAA Sanae 89.28 182 ↑P P 11 43 51.1 -0.5
comp=Z=1.18nm,0.5s

SNAAS Sanae 89.28 182 P P 11 43 51.1 -0.5
comp=Z=0.9nm,0.6s,baz=200,slow=6.6,SNR=9.3

VNA3 Neumayer Olymp 89.86 180 ↑P P 11 43 53.8 -0.5
comp=Z=2.0,9nm,0.6s

VNA2 Neumayer-Watz 90.16 181 ↑P P 11 43 55.5 -0.1
comp=Z=2.3nm,0.6s,baz=178,slow=4.0

VNA1 Neumayer-Stat 90.45 181 ↑P P 11 43 55.8 -1.1
comp=Z=2.3nm,0.6s,baz=178,slow=4.0

ARCES ARCESS Array B 124.99 345 PKP PKPwf 11 49 53.1 -0.8
comp=Z=2.8nm,0.9s,baz=64,slow=2.1,SNR=5.0

IDC 10 11:45:29.1±1.1,42.59S±172.91E,h0km,mb3.7/3,
mbtmp3.7/4,ML3.3/1,Error ellipse: s-maj=30.4km
Az=107.23,Plg26.000°,Az=190.000°

WEL 10 11:45:32.7±0.3,43.3±17.3E±,h5km,ML4.2/6/7,
ML4.5/13,ML4.2/6/7,Error ellipse: s-maj=0.0km
s-min=0.0km az=136.2,confirmed

NOU 10 11:45:32.3,42.89S±173.09E,h23km,ML4.4/13,
South Island, New Zealand

WEL 10 11:45:32.7,42.69S±172.84E,h14km,ML4.2,Mw3.9,
Moment Tensor Solution: s7 Moment tensor: Mr7.32;
Mw6.52; Mw=80.83; Mw=31.92; Mw51.02; Mw10.26; Fault
plane solution: NP1.3±2.0000°; 643.0000°; 1.55.0000°;
NP2.3±25.0000°; 856.0000°; 1.18.0000°; Principal
axes: T -107.23,Plg26.000°,Az=190.000°; N
19.6300,Plg23.000°; Az=280.000°; P 87.5900,
Plg7.000°; Az=296.000°; SOUTH ISLAND

ISC 10 11:45:32.9±0.9,42.76S±172.94E±0.03,h31km,6km,
n140,±193/41,18d,mb3.5/3,
South Island

Main table for IDC and NOU events, listing station codes, names, and data points.

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

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

NEIC 10 12:01:07.1±1.1,18.22S±0.08±175.1W±0.1,h199km,9km,
mb4.7/52,Error ellipse: s-maj=19.7km s-min=11.8km

NOU 10 12:01:08.8,18.24S±174.70W,h25km,mb4.7/52,
Tonga Islands

IDC 10 12:01:13.0±1.1,18.40S±175.19W,h260km,18km,
mb4.1/11,mbtmp4.7/12,Error ellipse: s-maj=18.4km
s-min=13.5km az=112.0

ISC 10 12:01:11.5±0.7,18.53S±175.1W±0.1,h250km,n128,
±1941/123,mb4.6/25,1C-3D,
Tonga Islands

Main table for NEIC and NOU events, listing station codes, names, and data points.

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

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TXAR, TX31, 435B, etc.

CBKS P38A Cedar Bluff Dawn	81.22 348	↓P	P	12 13 50.3	+0.7
P38A Dawn	81.23 353	I Amb	I Amb	12 13 51.6	
P38A Dawn	81.23 353	P	P	12 13 49.2	-0.3
PBBR Big Bear Solar	81.23 333	P	P	12 13 50.4	+0.4
SNCC San Nicolas Is	81.24 331	P	P	12 13 50.2	+0.4
SDCO Great Sand Dun	81.28 343	P	P	12 13 51.2	+0.9
SDCO Great Sand Dun	81.28 343	P	P	12 13 51.1	+0.9
SDCO Great Sand Dun	81.28 343	↑P	P	12 13 51.6	+1.4
GMRC Granite Mounta	81.28 334	P	P	12 13 51.1	+0.9
O52A Adamsville	81.29	2 I Amb	I Amb	12 13 51.7	
O52A Adamsville	81.29	2 P	P	12 13 48.8	-1.0
O52A Adamsville	81.29	2 P	P	12 13 48.8	-1.0
BFON Badfontein, M	81.32 125	eP	P	12 13 50.0	-0.7
BFON Covington	81.34 360	I Amb	I Amb	12 13 57.3	
O49A Covington	81.34 360	P	P	12 13 49.9	-0.2
O49A Alum Creek Sta	81.39	1 I Amb	I Amb	12 13 49.9	-0.2
ACSO Alum Creek Sta	81.39	1 P	P	12 13 49.8	-0.5
ACSO Alum Creek Sta	81.39	1 P	P	12 13 49.8	-0.5
O44A Mansfield	81.40 357	I Amb	I Amb	12 13 52.5	
O44A Mansfield	81.40 357	P	P	12 13 50.3	-0.1
O48B Farmland	81.41 359	I Amb	I Amb	12 13 52.0	
O48B Farmland	81.41 359	P	P	12 13 49.2	-1.3
O48B Farmland	81.41 359	P	P	12 13 49.1	-1.4
O53A New Philadelphia	81.44	2 I AMs_20	I AMs_20	12 54 04.4	
O53A New Philadelphia	81.44	2 P	P	12 13 50.5	-0.2
MVL Millersville	81.45	6 I Amb	I Amb	12 13 58.9	
PSUB Penn St - Bra	81.46	7 P	P	12 13 51.1	+0.4
BFSC Mesa Baldy Ra	81.46 332	P	P	12 13 50.6	-0.5
GRAF Camdeboo Natio	81.48 126	eP	I Amb	12 13 52.3	+0.9
GRAF Mesa Verde	81.48 341	I Amb	I Amb	12 13 55.3	
MVCO Mesa Verde	81.48 341	P	P	12 13 51.5	+0.3
MVCO Mesa Verde	81.48 341	↑P	P	12 13 52.3	+1.1
HEC Hector Ludlow	81.55 334	↑P	P	12 13 52.3	+0.9
SFIN Lafayette	81.57 358	P	P	12 13 50.8	-0.5
S22A 4UR Ranch, Cre	81.58 342	I Amb	I Amb	12 14 03.6	
S22A 4UR Ranch, Cre	81.58 342	P	P	12 13 52.7	+0.9
DECC Green Verdugo	81.71 332	P	P	12 13 53.4	+1.1
KEIM Keimoes	81.72 121	eP	I Amb	12 13 52.3	-0.4
RRX Edison Barstow	81.81 333	P	P	12 13 54.2	+1.4
SOE Somerset East	81.83 127	I AMs_20	I AMs_20	12 39 02.6	
SOE Somerset East	81.83 127	eP	P	12 13 51.5	-1.8
SOE Somerset East	81.83 127	I Amb	I Amb	12 14 00.9	
HDIL Hopedale	81.84 357	P	P	12 13 54.1	+0.9
HDIL Hopedale	81.84 357	P	P	12 13 52.8	+0.1
GRHM Grahamstown, E	81.92 128	I AMs_20	I AMs_20	12 54 01.0	
KSCO Kaye Shedlock	81.92 346	I Amb	I Amb	12 13 57.3	
KSCO Kaye Shedlock	81.92 346	P	P	12 13 54.3	+0.9
KSCO Kaye Shedlock	81.92 346	P	P	12 13 54.8	+1.4
SCZ2 Santa Cruz Isl	81.95 331	P	P	12 13 53.6	+0.1
TUQ Turquoise Moun	81.97 334	P	P	12 13 54.9	+1.2
PANJ Princeton	81.97	7 P	P	12 13 53.8	+0.4
SSPA Standing Stone	81.98	5 P	P	12 13 52.9	-0.6
SSPA Standing Stone	81.98	5 P	P	12 13 54.8	+1.3
SSPA Standing Stone	81.98	5 P	P	12 13 53.1	-0.4
N53A Lisbon	82.01	3 I Amb	I Amb	12 13 55.7	
N53A Lisbon	82.01	3 P	P	12 13 52.1	-1.6
N53A Lisbon	82.01	3 P	P	12 13 52.1	-1.6
N47A Urbana	82.04 359	I Amb	I Amb	12 13 55.1	
N47A Urbana	82.04 359	P	P	12 13 52.7	-1.0
N47A Urbana	82.04 359	P	P	12 13 52.7	-1.0
N49A Columbus Grove	82.07 360	P	P	12 13 53.4	-0.6
N49A Columbus Grove	82.07 360	I Amb	I Amb	12 13 55.6	
N49A Columbus Grove	82.07 360	P	P	12 13 53.2	-0.8
N51A Ashland	82.08	1 I Amb	I Amb	12 13 55.7	
N51A Ashland	82.08	1 P	P	12 13 53.5	-0.5
N51A Ashland	82.08	1 P	P	12 13 53.5	-0.5
UPI Uppington	82.13 121	eP	I Amb	12 13 54.7	-0.3
GSC Goldstone, Bar	82.14 334	P	P	12 13 56.1	+1.5
EDW2 Edwards Air Fo	82.16 332	P	P	12 13 55.8	+1.1
OSI Osito Audit: C	82.17 332	P	P	12 13 55.8	+1.1
N58A Sunbury	82.26	6 I Amb	I Amb	12 13 57.2	
N58A Sunbury	82.26	6 P	P	12 13 55.1	+0.1
N58A Sunbury	82.26	6 P	P	12 13 55.1	+0.1
SBC Santa Barbara	82.38 331	P	P	12 13 56.5	+0.8
PSDB Penn State Uni	82.42	4 P	P	12 13 56.6	+0.8
KNB Kanab	82.47 337	I Amb	I Amb	12 14 20.8	
M50A Fremont	82.56	1 I Amb	I Amb	12 13 58.0	
M50A Fremont	82.56	1 P	P	12 13 56.9	+0.4

M50A Laure Mtn Rad	82.59 333	P	P	12 13 56.9	+0.4
M53A WI Miller and	82.64	3 I Amb	I Amb	12 13 58.7	
M53A WI Miller and	82.64	3 P	P	12 13 56.6	-0.3
PAL Palisades	82.67	8 P	P	12 13 57.2	+0.2
N35A Tabor	82.67 351	I Amb	I Amb	12 13 59.4	
N35A Tabor	82.67 351	P	P	12 13 57.6	+0.5
ARVC Arvin	82.67 332	P	P	12 13 58.3	+1.1
ODNJ Ogdensburg	82.68	7 P	P	12 13 57.9	+0.8
PKCU Pink Cliffs	82.72 338	I AMs_20	I AMs_20	12 44 07.3	
M57A Sunshine Farm	82.73	5 I Amb	I Amb	12 14 05.3	
M57A Sunshine Farm	82.73	5 P	P	12 13 57.7	+0.3
M57A Sunshine Farm	82.73	5 P	P	12 13 57.7	+0.3
M55A Ridgway	82.76	4 I Amb	I Amb	12 13 59.3	
M55A Ridgway	82.76	4 P	P	12 13 56.9	-0.7
M55A Ridgway	82.76	4 P	P	12 13 56.9	-0.7
N33A J Bar K, Exete	82.78 350	I AMs_20	I AMs_20	12 48 39.7	
TRNY Table Rock, Ra	82.78	8 I Amb	I Amb	12 14 00.3	
PKM Mcherson Peak	82.81 331	P	P	12 13 59.1	+0.9
SMCO Snowmass	82.98 342	I Amb	I Amb	12 14 03.6	
SMCO Snowmass	82.98 342	↑P	P	12 14 00.6	+1.3
ISA Isabella, Lake	83.03 332	P	P	12 14 00.6	+1.4
KSPA Keystone Collie	83.05	6 I Amb	I Amb	12 14 00.7	
KSPA Keystone Collie	83.05	6 P	P	12 13 60.0	+1.0
MPMC Manual Prospec	83.05 333	P	P	12 14 00.7	+1.3
BRNY Black Rk. Fore	83.06	8 P	P	12 13 59.7	+0.6
SZCU Shurtz Canyon	83.08 337	I Amb	I Amb	12 14 04.2	
SCZU Shurtz Canyon	83.08 337	I AMs_20	I AMs_20	12 51 27.0	
L48A N Adams	83.09 360	I Amb	I Amb	12 14 00.6	
L48A N Adams	83.09 360	I AMs_20	I AMs_20	12 45 03.0	
FURC Furnace Creek	83.22 334	P	P	12 14 01.2	+1.3
MTPU Mount Pierson	83.24 338	I Amb	I Amb	12 14 21.6	
HVD Gariop Dam	83.26 125	eP	I Amb	12 14 00.7	-0.2
HVD Gariop Dam	83.26 125	I Amb	I Amb	12 14 08.5	
SMMC Simmon Range	83.26 331	P	P	12 14 01.3	+1.0
WIN Windhoek	83.27 114	P	P	12 14 00.9	-0.3
WIN Windhoek	83.27 114	I AMs_20	I AMs_20	12 44 54.1	
WIN Windhoek	83.27 114	Pmax	Pmax	12 14 00.9	-0.3
ISCO Idaho Springs	83.28 343	P	P	12 14 00.6	0.0
ISCO Idaho Springs	83.28 343	P	P	12 14 01.5	+0.8
ISCO Idaho Springs	83.28 343	↑P	P	12 14 02.2	+1.5
L42A Olive, Polo	83.30 356	P	P	12 14 00.4	0.0
ERPA Erie	83.35	3 I AMs_20	I AMs_20	12 51 31.9	
ERPA Erie	83.35	3 P	P	12 14 01.7	+1.2
PNPY Mohoel Preserv	83.39	7 P	P	12 14 02.4	+1.6
L44A Lake County Fo	83.39 357	P	P	12 14 00.6	-0.2
VES Vestal, Richy	83.41 332	P	P	12 14 01.4	+0.4
WCT Wildcat Mounta	83.44 334	I Amb	I Amb	12 14 06.0	
AAM Ann Arbor	83.45	0 I AMs_20	I AMs_20	12 45 48.5	
AAM Ann Arbor	83.45	0 P	P	12 14 01.5	+0.4
TPNV Topopah Spring	83.45 335	P	P	12 14 01.6	+0.1
TPNV Topopah Spring	83.45 335	↑P	P	12 14 02.5	+1.0
L40A Anamosa	83.46 355	P	P	12 14 00.6	-0.5
SCIA State Center	83.46 353	P	P	12 14 01.4	+0.3
L56A Greenwood	83.49	5 I Amb	I Amb	12 14 03.6	
L56A Greenwood	83.49	5 P	P	12 14 00.7	-0.7
L56A Greenwood	83.49	5 P	P	12 14 00.7	-0.7
PRN Pahroc Range	83.50 336	I Amb	I Amb	12 14 13.9	
PRN Pahroc Range	83.50 336	↑P	P	12 14 03.7	+2.0
BGNE Belgrade	83.53 349	I AMs_20	I AMs_20	12 49 17.6	
BGNE Belgrade	83.53 349	P	P	12 14 01.9	+0.3
BGNE Belgrade	83.53 349	P	P	12 14 02.8	+1.2
CWC Cottonwood Cre	83.60 333	P	P	12 14 02.5	+0.3
M65A Busby, Falmout	83.60	10 P	P	12 14 01.4	-0.4
UCCT U, Connecticut	83.63	9 I Amb	I Amb	12 14 03.6	
BINY Binghamton	83.67	6 P	P	12 14 02.8	+0.5
BINY Binghamton	83.67	6 I Amb	I Amb	12 14 02.8	+0.5
BINY Binghamton	83.67	6 I Amb	I Amb	12 14 02.8	+0.5
OGNE Ogallala	83.69 346	P	P	12 14 02.9	+0.4
OGNE Ogallala	83.69 346	P	P	12 14 04.4	+1.9
L59A Walton	83.74	7 P	P	12 14 01.8	-0.9
L59A Walton	83.74	7 P	P	12 14 01.8	-0.9
BRIGG Briggsdale	83.76 345	I Amb	I Amb	12 14 07.0	
Q16A Castle Valley	83.78 339	I Amb	I Amb	12 14 13.9	
Q16A Castle Valley	83.78 339	I AMs_20	I AMs_20	12 45 44.2	
BRYW Bryant College	83.84	9 I AMs_20	I AMs_20	12 49 24.9	
GRAC Grapevine Rang	83.86 334	P	P	12 14 04.0	+0.6
K50A Casco	83.93	1 I AMs_20	I AMs_20	12 48 51.3	
S11A Rachel	83.93 335	I Amb	I Amb	12 14 15.4	
VOG Valley Oaks Go	83.94 332	P	P	12 14 04.7	+1.0
Q2A Belchertown	84.10	9 P	P	12 14 05.9	+1.5
GUAN Great Mountain	84.11 334	I Amb	I Amb	12 14 16.7	
MSVF Nonsavu	84.13 252	P	P	12 14 05.0	-0.4
MSVF Nonsavu	84.13 252	I Amb	I Amb	12 14 18.6	
MSVF Nonsavu	84.13 252	eP	Pmax	12 14 04.7	-0.7
MSVF Nonsavu	84.13 252	P	Pmax	12 14 06.1	+0.7

MSVF comp=Z,5.4nm,0.9s,baz=74,slow=14,SNR=3.6	LR	LR	12 44 40.0		
TMUT comp=Z,2.1um,19.6s,baz=130,slow=31	84.14 339	I Amb	I Amb	12 14 26.0	
TMUT comp=Z,5.4nm,0.9s	84.16	6 P	P	12 14 04.5	-0.2
K57A Scipio Center	84.16 354	I Amb	I Amb	12 14 16.6	
K38A Parkersburg	84.19 340	I Amb	I Amb	12 14 16.0	
P17A Butcher Ranch	84.19 342	I Amb	I Amb	12 14 17.2	
O20A White River Ci	84.19 342	I Amb	I Amb	12 14 17.2	
O20A White River Ci	84.19 342	I AMs_20	I AMs_20	12 46 04.2	
O20A White River Ci	84.19 342	P	P	12 14 04.7	-0.5
P18A Preston Nutter	84.20 340	I Amb	I Amb	12 14 15.9	
TIN Tinemaha, Big	84.20 333	P	P	12 14 06.4	+1.1
L61B Northampton	84.23	8 I AMs_20	I AMs_20	12 50 53.3	
L61B Northampton	84.23	8 P	P	12 14 01.1	-4.0
L61B Northampton	84.23	8 P	P	12 14 05.5	+0.4
JFWS Jewell Farm	84.24 355	I AMs_20	I AMs_20	12 58 44.5	
JFWS Jewell Farm	84.24 355	P	P	12 14 04.7	-0.4
JFWS Jewell Farm	84.24 355	P	P	12 14 05.3	+0.2
JFWS Jewell Farm	84.24 355	↑P	P	12 14 04.6	-0.5
N23A Red Feather La	84.40 344	I Amb	I Amb	12 14 27.4	
N23A Red Feather La	84.40 344	P	P	12 14 06.3	0.0
DSP Deep Springs	84.40 334	I Amb	I Amb	12 14 10.6	
TRY Troy	84.40	8 I AMs_20	I AMs_20	12 51 19.9	
TRY Troy	84.40	8 P	P	12 14 08.5	+2.6
HRV Adam Dzewonsk	84.42	9 P	P	12 14 03.9	-2.1
K62A Royalston	84.49	9 I Amb	I Amb	12 14 09.3	
K62A Royalston	84.49	9 I AMs_20	I AMs_20	12 50 12.3	
BOSA Boshof	84.50 124	P	P	12 14 06.2	-1.1
BOSA Boshof	84.50 124	eP	I Amb	12 14 06.1	-1.1
BOSA Boshof	84.50 124	I Amb	I Amb	12 14 14.3	
BOSA Boshof	84.50 124	↑P	P	12 14 06.3	-0.9
BOSA Boshof	84.50 124	Pmax	Pmax	12 14 06.2	-1.1
BOSA Boshof	84.50 124	P	P	12 14 06.4	-0.9
BOSA Boshof	84.50 124	I AMs_20	I AMs_20	12 46 22.0	
R11B Troy Canyon, C	84.53 336	P</			

Table with columns: Station Name, Frequency, Power, Direction, Date/Time, and other details. Includes stations like LONY Lake Ozonia, CASPER Casper, K22A Casper, etc.

Table with columns: Station Name, Frequency, Power, Direction, Date/Time, and other details. Includes stations like E62A comp=Z,1,um,21.0s, H17A comp=Z,1,um,21.0s, H17A comp=Z,1,um,22.0s, etc.

Table with columns: Station Name, Frequency, Power, Direction, Date/Time, and other details. Includes stations like HNR Honiara, NWAO Narrogin (SRO), V35K Ketiikan, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like E24K Your Creek, K17K Ititarod, G22K Bettles, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like KHC Kasperke Hory, CKRC Cesky Krumlov, EDFI Ende, Flores, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like MNK Minsk, GAZ Gaziantep, ABTO Aybut, etc.

10d 14h

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like ULN, SONM, SONM, SONM, etc.

2017 NOV

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like ZALV, ZALV, ZALV, SEY, etc.

678

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like AKH, AKH, AKH, KMBO, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes JMA 10 14:05:04.0-1.255N:0.9-14.1E, h117km, 1 km, etc.

SOME 10 14:17:01.3, 42:20N:80:92E, h0km
KRNET 10 14:17:02.0-2.1, 42:22N:80:96E, h11km, mb3.3
NNC 10 14:17:02.6-0.8, 42:17N:80:94E, h0km, mb3.6, mpv3.4, Error ellipse: s=ma/5.6km s-min=4.2km az=156.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes JMA 10 14:17:08.9-2.5, 42:14N:0.06-80:75E, h15km, 13km, n55, s=170/71, 14C-7D, Kyrgyzstan-Xinjiang border

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JHH2, JHH2, CBIJ, etc.

ZHN	19nm,0.4s	Lg	Lg	14 18 10.2	
ZHN	107nm,0.2s Zhinshke 19nm,0.4s	1.86 295	ePg	Pn	14 17 41.3 +0.9
ZHN	107nm,0.2s Jarkent 5.7nm,0.3s	2.04 340	Pg	Pn	14 17 44.4 +1.6
DJR	45nm,0.3s	Lg	Lg	14 18 15.7	
DJR	45nm,0.3s Jarkent 5.7nm,0.3s	2.04 340	ePg	Pn	14 17 44.4 +1.6
DJR	45nm,0.3s	eLg	Lg	14 18 15.7	
KURS	15nm,0.5s	2.18 300	Pg	Pb	14 17 46.7 -1.4
KURS	19nm,1.2s	Lg	Lg	14 18 19.2	
KURS	15nm,0.5s	2.18 300	ePg	Pb	14 17 46.7 -1.4
KURS	19nm,1.2s	eLg	Lg	14 18 19.2	
KNOS	16nm,0.1s	2.26 330	Pg	Pb	14 17 48.1 -1.4
KNOS	70nm,0.4s	Lg	Lg	14 18 22.2	
TARG	2.30 254l	eP	Pn	14 17 45.1 -1.5	
TARG	baz=59	l	eS	Sb	14 18 16.7 -1.9
ANVS	2.31 280l	eP	Pn	14 17 46.4 -0.1	
ANVS	baz=84	l	eS	Sb	14 18 18.5 -0.2
BLB	2.37 316	Pg	Pb	14 17 49.5 -1.8	
BLB	50nm,0.3s Arhary 7.6nm,0.2s	Lg	Lg	14 18 24.3	
ARXS	17nm,0.4s	2.79 311	ePg	Pb	14 17 58.1 -0.4
KOTS	2.80 288	Pg	Pb	14 17 57.6 -1.1	
KOTS	6.2nm,0.2s	2.80 288	ePg	Pb	14 17 57.6 -1.1
KOTS	28nm,0.7s	eLg	Lg	14 18 38.2	
MDOK	2.83 287	Pg	Pb	14 17 57.5 -1.7	
MDOK	5.1nm,0.3s	Lg	Lg	14 18 38.5	
MDOK	16nm,0.8s	2.83 287	ePg	Pb	14 17 57.5 -1.7
MDOK	16nm,0.8s	eLg	Lg	14 18 38.5	
TNSS	2.87 284	Pg	Pb	14 17 57.9 -2.1	
TNSS	7.9nm,0.2s	Lg	Lg	14 18 39.2	
TNSS	2.87 284	ePg	Pb	14 17 58.5 -1.6	
TNSS	7.9nm,0.2s	eLg	Lg	14 18 39.4	
CHKK	3.11 299	Pg	Pb	14 18 03.5 -0.4	
CHKK	1.8nm,0.2s	Lg	Lg	14 18 48.0	
CHKK	3.11 299	ePg	Pb	14 18 03.5 -0.4	
CHKK	1.8nm,0.2s	eLg	Lg	14 18 48.0	
IZV	3.11 283	Pg	Pb	14 18 02.3 -1.8	
IZV	12nm,0.3s Izvestkoviy 3.1nm,0.2s	Lg	Lg	14 18 46.3	
IZV	27nm,0.5s Izvestkoviy 3.1nm,0.2s	3.11 283	ePg	Pb	14 18 02.3 -1.8
IZV	27nm,0.5s	eLg	Lg	14 18 46.3	
KTBS	3.25 295	Pg	Pb	14 18 05.6 -0.8	
KTBS	3.0nm,0.3s	Lg	Lg	14 18 51.6	
KTBS	17nm,0.6s	3.25 295	ePg	Pb	14 18 05.6 -0.8
KTBS	3.0nm,0.3s	eLg	Lg	14 18 51.6	
MTBS	3.26 284	Pg	Pb	14 18 04.8 -1.7	
MTBS	3.1nm,0.4s	Lg	Lg	14 18 50.8	
MTBS	10nm,0.4s	3.26 284	ePg	Pb	14 18 04.8 -1.7
MTBS	3.1nm,0.4s	eLg	Lg	14 18 50.8	
ULHL	3.35 269l	eP	Pn	14 18 00.4 -0.5	
ULHL	baz=72	l	eS	Sn	14 18 42.8 +2.4
KUU	3.55 296	Pg	Pb	14 18 11.6 +0.2	
KUU	1.0nm,0.1s	Lg	Lg	14 19 02.3	
KUU	10nm,0.3s Kury 1.0nm,0.1s	3.55 296	ePg	Pb	14 18 11.6 +0.2
KUU	10nm,0.3s	eLg	Lg	14 19 02.3	
KST	3.58 282	Pg	Pb	14 18 11.8 -0.3	
KST	4.2nm,0.3s	Lg	Lg	14 19 02.3	
KST	10nm,0.7s	3.58 282	ePg	Pb	14 18 11.8 -0.3
KST	4.2nm,0.3s	eLg	Lg	14 19 02.4	
DGS	3.75 284	Pg	Pb	14 18 13.6 -1.3	
DGS	14nm,0.5s Degeres 2.4nm,0.4s	Lg	Lg	14 19 05.5	
DGS	14nm,0.5s	3.75 284	ePg	Pb	14 18 14.5 -0.4
DGS	2.6nm,0.4s	eLg	Lg	14 19 06.9	
TKM2	3.83 279	lPg	Pb	14 18 16.5 +0.1	
TKM2	5.2nm,1.2s	lLg	Lg	14 19 09.7	
KRB5	3.94 291	Pg	Pb	14 18 17.6 -0.4	
KRB5	3.4nm,0.5s Karabastau 2.4nm,0.5s	Lg	Lg	14 19 12.6	
KRB5	3.9nm,0.5s	3.94 291	ePg	Pb	14 18 17.6 -0.4
KRB5	2.4nm,0.5s	eLg	Lg	14 19 12.6	
MAK2	4.48 11	lPn	Pn	14 18 16.6 +0.4	
MAK2	1.3nm,0.3s	lSn	Sn	14 19 12.3 +4.2	
MAK2	1.4nm,0.5s	lLg	Lg	14 19 28.8	
MAK2	6.6nm,0.8s	lLg	Lg	14 19 28.8	
MK31	14 18 16.3 -0.4	Pn	Pn	14 18 16.3 -0.4	
MK31	0.1nm,0.2s,baz=202,slow=12,SNR=30	lPg	Pg	14 18 26.1 -1.7	
MK31	1.0nm,0.5s,baz=187,slow=16,SNR=38	lSn	Sn	14 19 11.8 +2.8	
MK31	1.0nm,0.5s,baz=181,slow=25,SNR=6.0	lLg	Lg	14 19 30.0	
MK31	6.7nm,0.7s,baz=192,slow=25,SNR=5.4	lLg	Lg	14 19 30.0	
AML	5.24 269	lPg	Pb	14 18 43.9 +3.4	
AML	1.1nm,1.2s	lLg	Lg	14 19 54.5	
AML	0.5nm,0.7s	lLg	Lg	14 19 54.5	

MLV2.8/11
ISC 10 14:30:02.6,0.9,36.11N,0.02,6.07W,0.003,h32km,2gkm,
n61,c150411,Strait of Gibraltar

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
CPS	Cap Spartel	0.35 157	P	Sb	14 30 10.7 -0.3
CHEFC		0.37 343	S	Sn	14 30 19.2 +1.8
SFS	San Fernando	0.37 343	P	Pb	14 30 11.2 0.0
SFS			S	Sn	14 30 21.0 +3.2
SFS	San Fernando	0.37 343	Pg	Sb	14 30 11.0 -0.2
SFS			Sg	Sb	14 30 16.7 -0.4
EJUF	Jimena Fronter	0.59 55	P	Pb	14 30 14.2 -0.5
ECEU	Ceuta	0.60 111	P	Pb	14 30 15.6 +0.8
ECEU	Ceuta	0.60 111	P	Pb	14 30 22.5 +0.6
ECEU	Ceuta	0.61 110	Pg	Sb	14 30 23.7 +0.5
CEU	Ceuta	0.61 110	Pg	Sb	14 30 16.1 +1.2
SMIR	Smir Dam	0.71 127	P	Sb	14 30 24.2 +1.0
SMIR	Smir Dam	0.71 127	P	Sb	14 30 27.2 +1.2
ESPR	Espera	0.78 13	P	Sb	14 30 17.4 -0.3
ESPR	Espera	0.78 13	P	Sb	14 30 29.4 +1.5
ESPR	Espera	0.78 13	Pn	Pb	14 30 36.5
ESPR	Mijas	1.14 66	S	Pb	14 30 17.5 -0.2
EMIJ	Mijas	1.14 66	S	Sn	14 30 22.3 -0.1
EMIJ	Mijas	1.14 66	Pn	Pb	14 30 35.6 -1.4
EMIJ	Mijas	1.14 66	Pn	Pb	14 30 45.1
CHEFC	Chefchaouen	1.17 149	P	Pb	14 30 22.3 -0.1
CHEFC	Chefchaouen	1.17 149	P	Pb	14 30 24.7 +0.4
EMIN	Mina Concepcio	1.72 344	S	Sn	14 30 30.0 -0.3
EMIN	Mina Concepcio	1.72 344	S	Sn	14 30 50.1 -1.1
EMIN			P	Pb	14 31 06.5
EGRO	El Granado	1.81 322	P	Pn	14 30 31.6 -0.1
EGRO	El Granado	1.81 322	P	Pn	14 30 54.5 +1.0
EGRO	El Granado	1.81 322	Sn	Sn	14 30 53.6 0.0
EGRO	El Granado	1.81 322	Pn	Pn	14 30 31.5 -0.1
PVAQ	Vaqueiros	1.85 315	eP	Pn	14 30 31.9 -0.2
PVAQ	Vaqueiros	1.85 315	eS	Sn	14 30 54.8 +0.5
PVAQ	Vaqueiros	1.85 315	P	Pn	14 30 58.4
PVAQ	Vaqueiros	1.85 315	P	Pn	14 30 30.6 -1.4
PVAQ	Vaqueiros	1.85 315	P	Pn	14 30 52.7 -1.6
PVAQ	Vaqueiros	1.85 315	Pn	Pn	14 30 31.9 -0.2
EGOR	Sierra Gorda,	1.87 57	S	Sn	14 30 32.0 -0.5
EGOR	Sierra Gorda,	1.87 57	S	Sn	14 30 33.6 -1.4
EGOR			P	Pb	14 31 20.9
PBDV	Barranco-do-Ve	1.87 308	eP	Pn	14 30 31.9 -0.6
PBDV	Barranco-do-Ve	1.87 308	eS	Sn	14 30 55.0 0.0
PBDV	Barranco-do-Ve	1.87 308	A	A	14 31 03.4
ECAB	El Cabril	2.03 15	P	Pn	14 30 35.2 +0.6
ECAB	El Cabril	2.03 15	P	Pn	14 30 58.4 -0.5
ECAB	El Cabril	2.03 15	Pn	Pn	14 31 16.0
ECAB	El Cabril	2.03 15	Pn	Pn	14 30 34.9 +0.2
PCV	Castro Verde	2.19 314	eS	Sn	14 30 59.5 +0.7
PCVE	Castro Verde	2.19 314	eS	Sn	14 30 16.2 +0.1
PCVE	Castro Verde	2.19 314	eP	Pn	14 31 02.9 +0.1
PBAR	Barrancos	2.20 340	eP	Pn	14 30 36.6 -0.2
PBAR	Barrancos	2.20 340	eS	Sn	14 30 36.8 -0.1
PBAR	Barrancos	2.20 340	A	A	14 31 04.5 +1.5
PBAR	Barrancos	2.20 340	Sn	Sn	14 31 04.5 +1.5
PBAR	Barrancos	2.20 340	Sn	Sn	14 31 04.0 +1.0
EADA	Adamuz	2.38 30	P	Pn	14 30 36.8 -0.1
EADA	Adamuz	2.38 30	P	Pn	14 30 39.5 +0.7
EADA	Adamuz	2.38 30	S	Sn	14 31 07.0 +0.3
EADA	Adamuz	2.38 30	Pn	Pn	14 31 38.2
MORF	Marmelete	2.39 301	eP	Pn	14 30 39.5 +0.1
MORF	Marmelete	2.39 301	eP	Pn	14 30 38.8 -0.8
MESJ	Messejana	2.44 316	eP	Pn	14 30 40.2 0.0
MESJ	Messejana	2.44 316	eP	Pn	14 31 06.8 -0.1
PFVI	Vila Bisbo	2.44 296	eP	Pn	14 31 04.1 +0.1
PFVI	Vila Bisbo	2.44 296	A	A	14 30 40.0 -0.2
PFVI	Vila Bisbo	2.44 296	A	A	14 31 17.9
PTEO	Sao Teotonio	2.56 305	eP	Pn	14 30 42.1 +0.2
BERE	Berle	2.69 72	P	Pn	14 30 43.1 0.0
ZHG	ZHG	2.70 190	P	Sn	14 30 43.4 -0.5
ZHG	ZHG	2.70 190	P	Sn	14 31 16.9 +1.4
IFR	Ifrane	2.70 163	Sn	Sn	14 31 15.7 -0.1
EBAD	Badajoz	2.74 344	P	Pn	14 30 44.2 -0.2
EBAD	Badajoz	2.74 344	P	Pn	14 31 16.1 -0.4
EBAD	Badajoz	2.74 344	Pn	Pn	14 31 16.1 -0.4
EBAD	Badajoz	2.74 344	Pn	Pn	14 30 44.3 +0.2
PNCL	Nicolau / Gran	2.80 316	eP	Pn	14 30 45.1 -0.1
PNCL	Nicolau / Gran	2.80 316	eS	Sn	14 31 17.4 -0.4
PNCL	Nicolau / Gran	2.80 316	Sn	Sn	14 31 16.5 -1.3
PNCL	Nicolau / Gran	2.80 316	Sn	Sn	14 30 40.1 +0.6
PESTR	Estremoz	3.00 337	eP	Pn	14 30 48.6 +0.6
PESTR	Estremoz	3.00 337	eS	Sn	14 31 23.3 +0.4
PESTR	Estremoz	3.00 337	P	Pn	14 30 48.3 +0.2
PESTR	Estremoz	3.00 337	Pn	Pn	14 31 24.8 +1.9
PESTR	Estremoz	3.00 337	Pn	Pn	14 30 48.2 +0.2
PESTR	Estremoz	3.00 337	Sn	Sn	14 30 40.7 -2.2
PMTG	Montargil	3.41 331	eP	Pn	14 30 53.8 -0.2
PMTG	Montargil	3.41 331	eS	Sn	14 31 32.1 -0.8
MD31	MD31	3.41 161	P	Pn	14 30 53.7 0.0
MD31	MD31	3.41 161	P	Pn	14 31 32.9 -0.2
PMRV	Marv???	3.47 343	eP	Pn	14 30 54.8 +0.4
PMRV	Marv???	3.47 343	A	A	14 31 44.0
MDT	Midelt	3.51 159	P	Pn	14 30 55.2 +0.2
MDT	Midelt	3.51 159	P	Pn	14 31 33.3 -2.1
PCBR	Castelo Branco	3.88 344	eP	Pn	14 31 00.9 +0.8
PCBR	Castelo Branco	3.88 344	eS	Sn	14 31 44.8 +0.2
PCBR	Castelo Branco	3.88 344	A	A	14 31 47.0
EPLA	Placencia	3.95 360	P	Pn	14 31 01.6 +0.6
EPLA	Placencia	3.95 360	P	Pn	14 31 44.1 -2.1
PSBE	So Bento	4.02 328	eP	Pn	14 30 40.1 +0.6
PSBE	So Bento	4.02 328	A	A	14 31 53.7
ETOB	Tobarra	4.40 54	P	Pn	14 31 06.9 -0.4
ETOB	Tobarra	4.40 54	P	Pn	14 31 56.3 -1.2
ETOB	Tobarra	4.40 54	Pn	Pn	14 31 06.8 -0.4
ETOB	Tobarra	4.40 54	Sn	Sn	14 31 05.4 -3.4
ETOB	Tobarra	4.40 54	Sn	Sn	14 31 08.4 +0.7
MTE	Manteigas	4.43 345	eP	Pn	14 31 58.1 -0.2
MTE	Manteigas	4.43 345	A	A	14 32 25.8
GUD	Guadarrama	4.77 18	P	Pn	14 31 12.5 +0.1
GUD	Guadarrama	4.77 18	P	Pn	14 32 05.3 -1.3
GUD	Guadarrama	4.77 18	Pn	Pn	14 32 13.2
MVO	Moncorvo	5.10 352	eP	Pn	14 31 17.4 +0.5
OUK	Oukaimeden	5.12 197	P	Pn	14 31 16.1 +0.5
OUK	Oukaimeden	5.12 197	P	Pn	14 32 11.1 -4.3
OUMZ	Ouzmed	5.22 187	P	Pn	14 31 19.3 +0.7
OUMZ	Ouzmed	5.22 187	P	Pn	14 32 17.2 -0.6
TIO	Tioune	5.27 191	Sn	Sn	14 32 16.8 -2.1
PLOL	Lopes de Olo	5.42 346	eP	Pn	14 31 21.4 +0.1
PBRG	Braganca	5.71 355	A	A	14 32 33.5

ISC 10 14:31:32.0,3.0,12'35S,167'06E,h215km,28km,
mb3.7/13,mbtmp4.3/16,Error ellipse: s-maj=19.0km
s-min=17.0km az=17.0
NEIC 10 14:31:35.8,1.6,12'32S,0'09,167'1E,0'1,h2

10d 15h

ABKAR	Akbulak array	74.04	321	P	P	15 12 12.7	-0.3
AKTO	Aktubinsk	75.54	322	P	P	15 12 21.4	-0.2
ARU	Arti	76.76	328	P	P	15 12 27.6	-0.7
ARU	Arti	76.76	328	eP	Pmax	15 12 27.5	-0.8
ARU							
comp=Z,5.0nm,0.6s							
L16K	Owhat River	79.42	27	P	P	15 12 42.9	+0.1
L16K				Iamb	Iamb	15 14 28.0	
comp=Z,37nm,1.7s							
F17K	Baldwin Pennin	79.96	23	P	P	15 12 44.2	-1.4
F17K				Iamb	Iamb	15 12 46.1	
comp=Z,41nm,1.4s							
H17K	Granite Mount	80.07	24	P	P	15 12 46.7	+0.4
H17K				Iamb	Iamb	15 13 19.0	
comp=Z,24nm,1.5s							
E18K	Tukpahleark C	80.49	22	P	P	15 12 49.9	+1.4
E18K				Iamb	Iamb	15 14 37.0	
comp=Z,15nm,1.1s							
L18K	Granite Mount	80.82	27	P	P	15 12 50.3	0.0
L18K				Iamb	Iamb	15 15 42.8	
comp=Z,42nm,1.9s							
J18K	Innoko River	81.07	26	P	P	15 12 51.4	-0.2
C19K	Lookout Ridge	81.33	20	P	P	15 12 53.9	+1.0
G19K	Purcell Mount	81.51	23	P	P	15 12 54.6	+0.7
H19K	Roundabout Mou	81.63	24	Iamb	Iamb	15 12 55.2	+0.8
H19K						15 13 07.1	
comp=Z,38nm,2.0s							
D19K	Kuna River	81.68	21	P	P	15 12 55.3	+0.5
D19K				Iamb	Iamb	15 13 06.5	
comp=Z,93nm,1.9s							
K19V	Kirov	82.03	329	eP	P	15 12 56.6	-0.1
VNDA	Vanda	82.06	173	P	P	15 12 56.1	-0.4
VNDA	Vanda	82.06	173	P	P	15 12 56.1	-0.4
VNDA							
comp=Z,7.0nm,1.0s							
VNDA	Vanda	82.06	173	P	P	15 12 56.7	+0.2
comp=Z,3.1nm,0.5s,baz=318,slow=6.1,SNR=34							
ILSW	Illama Southw	82.11	30	P	P	15 12 56.0	-1.3
ILSW				Iamb	Iamb	15 14 01.6	
comp=Z,51nm,1.2s							
J20K	Nowinta River	82.33	26	P	P	15 12 58.9	+0.7
SBA	Scott Base	82.95	172	Iamb	Iamb	15 13 00.8	-0.3
SBA						15 13 21.9	
comp=Z,25nm,1.9s							
SBA	Scott Base	82.95	172	P	P	15 13 00.8	-0.3
SBA							
comp=Z,25nm,2.0s							
G21K	Allakaket	83.00	23	P	P	15 13 01.5	-0.1
G21K				Iamb	Iamb	15 14 20.8	
comp=Z,37nm,2.0s							
B21K	Ikpikpuk River	83.16	20	P	P	15 13 01.8	-0.5
MAW	Mawson	83.17	201	P	P	15 13 02.5	+0.1
MAW	Mawson	83.17	201	P	P	15 13 02.5	+0.1
MAW							
comp=Z,2.0nm,1.3s							
MAW	Mawson	83.17	201	P	P	15 13 03.0	+0.6
comp=Z,2.6nm,0.7s,baz=55,slow=8.4,SNR=9.8							
comp=Z,2.6nm,0.7s							
B22K	Tashekpuq Lake	83.70	19	P	P	15 13 05.6	+0.5
E22K	Anaktuvuk Pass	83.91	22	P	P	15 13 07.1	+0.8
E22K				Iamb	Iamb	15 15 01.5	
comp=Z,18nm,1.4s							
RND	Reindeer	84.56	27	P	P	15 13 09.0	-0.7
RND				Iamb	Iamb	15 13 17.1	
comp=Z,24nm,1.6s							
RND	Reindeer	84.56	27	P	P	15 13 09.0	-0.7
RND							
comp=Z,24nm,1.6s							
C23K	Itkiklik River	84.57	20	P	P	15 13 09.8	+0.3
K19V	Kislovodsk	85.06	314	eP	Pmax	15 13 10.7	-1.9
K19V							
comp=Z,6.0nm,1.1s							
ILAR	Eielson Array	85.52	25	P	P	15 13 14.2	-0.1
ILAR							
comp=Z,0.2nm,0.4s,baz=252,slow=4.9,SNR=6.2							
OBN	Obninsk	88.91	325	iP	P	15 13 29.1	-1.6
OBN							
comp=Z,5.0nm,0.8s							
ARCES	ARCES Array B	92.09	340	P	P	15 13 44.1	-1.1
ARCES							
comp=Z,3.9nm,0.7s,baz=80,slow=6.0,SNR=10							
QSPA	South Pole Qui	92.45	180	P	P	15 13 47.4	+0.4
QSPA	South Pole Qui	92.45	180	P	P	15 13 47.1	0.0
QSPA							
comp=Z,3.1nm,0.6s,baz=300,slow=1.3,SNR=30							
FINES	FINES Array B	93.60	332	P	P	15 13 52.0	-0.3
FINES							
comp=Z,3.0nm,0.9s,baz=37,slow=7.6,SNR=7.9							
comp=Z,3.0nm,0.9s							
MT09	Talagante	144.09	152	PKPdf	PKPbc	15 20 10.6	+0.3
MT02	Curacav	144.44	151	PKPdf	PKPdf	15 20 12.1	-0.1
ROC1	Ei Roble	144.73	151	PKPdf	PKPdf	15 20 13.4	+0.4
CO02	Combarbal	146.18	149	PKPbc	PKPbc	15 20 17.5	-0.2
CO03	Ei Pedregal	146.63	149	PKPbc	PKPbc	15 20 18.3	+0.4
LCO	Las Campanas	148.08	147	PKPbc	PKPbc	15 20 23.1	-0.6
LCO	Las Campanas	148.08	147	PKP2	PKPbc	15 20 23.2	-0.6
CPUP	Villa Florida	155.74	168	PKP2	PKPab	15 20 58.0	+0.9
CPUP	Villa Florida	155.74	168	PKPab	PKPab	15 20 58.0	+0.9
CPUP							
comp=Z,1.7nm,0.8s,baz=350,slow=1.1,SNR=5.2							
LPAZ	La Paz	158.86	131	PKP2	PKPab	15 21 13.0	+1.3
LPAZ	La Paz	158.86	131	PKPab	PKPab	15 21 13.0	+1.3
LPAZ							
comp=Z,1.3nm,0.8s,baz=198,slow=4.7,SNR=3.8							

IDC 10 15:22:48.9.8,0.3120S:178.90W,h0km,mb3.6/2, mbtmp3.6/2, Error ellipse: s-maj=341.1km s-min=59.5km az=157.0, Kermadec Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
ASAR	Alice Springs	42.30	268	P	15 30 44.5	-0.1
0.3nm,0.4s,baz=107,slow=7.3,SNR=11						
WRA	Warramunga Arr	43.37	273	P	15 30 53.1	-0.1
0.4nm,0.3s,baz=114,slow=7.7,SNR=3.0						
0.4nm,0.3s						
FINES	FINES Array B	146.62	339	PKPbc	15 42 27.8	-0.6
1.6nm,0.8s,baz=29,slow=4.4,SNR=5.4						

SJA 10 15:34:15.2.0.9,24.33S:67.22W,h195km,6km,ML3.3, MW3.6

GUC 10 15:34:17.9.0.7,24.25S:67.52W,h211km,6km,ML3.9

ISC 10 15:34:14.3.2.0,24.32S:0.05S:67.24W,0.04, h208km,1.7km,n27,0.193544,3C,Chile-Argentina border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
AF01	San Pedro de A	1.61	327	eS	15 35 17.4	-0.3
SLA	San Lorenzo	1.63	104	iP	15 34 50.6	+0.6
SLA					15 35 16.3	-1.3
AZAP	Zapla	1.98	88	iP	15 35 53.8	+0.2
AZAP				eS	15 35 23.2	-0.4
AZAP				IAML	15 35 24.2	
comp=Z,76nm,0.6s						
FSA	Cafayete	2.11	148	iP	15 34 55.6	+0.8
FSA				eS	15 35 24.4	-1.6
LVC	Limon Verde	2.29	318	iP	15 34 58.1	+1.2
LVC				eS	15 35 28.9	-0.7
LVC				IAML	15 35 32.1	
comp=Z,85nm,0.3s						
LVC	Limon Verde	2.29	318	iP	15 34 58.2	+1.2
LVC				eS	15 35 28.9	-0.7
LVC				IAML	15 35 32.3	
comp=Z,578nm,0.4s						
GO02	Mina Guanaco	2.30	248	iP	15 34 58.2	+1.4
GO02				eS	15 35 28.9	-0.7
GO02	Mina Guanaco	2.30	248	iP	15 34 58.3	+1.4
GO02				eS	15 35 29.6	0.0
GO02				IAML	15 35 30.7	
comp=N,482nm,0.2s						
PB15	IPOC Station P	2.33	298	iP	15 34 58.5	+1.4
PB15				eS	15 35 29.0	-1.0
YJA	Yavi	2.66	37	iP	15 35 02.3	+1.3
YJA				eS	15 35 37.1	+0.1
PB06	IPOC Station P	2.68	306	iP	15 35 02.2	+1.3
PB06				eS	15 35 35.9	-1.0
PB06				IAML	15 35 39.1	
comp=Z,170nm,0.3s						
PB06	IPOC Station P	2.68	306	iP	15 35 02.2	+1.3
PB06				eS	15 35 35.2	-1.6
PB06				IAML	15 35 37.5	
comp=E,337nm,0.3s						
PB14	IPOC Station P	2.90	263	iP	15 35 04.4	+0.8

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PB14	comp=Z,78nm,0.2s					15 35 44.6
PB14	IPOC Station P	2.90	263	eP	Pn	15 35 04.7
PB14				eS	Pn	15 35 40.7
PB14				S	Pn	15 35 40.7
LOMAS DE OLMED	3.02	81	iP			15 35 05.2
IPOC Station P	3.12	323	eP			15 35 45.3
PB09				eS		15 35 45.3
PB09				IAML		15 35 49.0
comp=N,119nm,0.5s						
PB04	IPOC Station P	3.33	306	iP	Pn	15 35 09.5
PB04				IAML		15 35 54.5
comp=Z,115nm,0.3s						
PB04	IPOC Station P	3.33	306	eP	Pn	15 35 09.8
PB04				eS	Pn	15 35 48.1
PB04				IAML	Pn	15 35 12.2
IPOC Station P	3.55	316	iP			15 35 12.3
IPOC Station P	3.57	316	eP			15 35 52.6
PB07				S	Pn	15 35 52.6
PB02	IPOC Station P	3.87	320	iP	Pn	15 35 15.7
PB02				eS	Pn	15 35 16.1
PB02				S	Pn	15 35 59.0
PB02				IAML	Pn	15 35 16.3
PB01				S	Pn	15 36 00.2
PB01				S	Pn	15 36 00.2
GO03	Copiap	4.23	219	iP	Pn	15 35 20.2
PATCX	Punta Patache	4.41	322	iP	Pn	15 35 22.4
PATCX				IAML		15 36 20.0
comp=Z,26nm,0.3s						
PB08	IPOC Station P	4.52	337	iP	Pn	15 35 24.8
PB08				IAML		15 36 22.1
comp=Z,12nm,0.2s						
GO01	Chuzmiza	4.97	338	iP	Pn	15 35 30.5

IGIL 10 15:45:17.9,37.36N,16.34W,h18km,ML2.4
 INMG 10 15:45:21.8,1.8,37.37N,16.34W,h18km,ML2.9, Error ellipse: s-maj=8.1km s-min=4.1km az=120.0
 MDD 10 15:45:21.6,1.0,37.71N,15.81W,h0km,MB4.4/9, M,mb3.8/10,Error ellipse: s-maj=8.1km s-min=7.3km az=31.0
 CNRM 10 15:45:31.2,37.13N,15.00W,h30km
 ISC 10 15:45:22.0,3.1,37.73N,15.00W,0.2,h10km,n52, n194/89,9C,Azores-Cape St. Vincent Ridge

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TSCX Chigu Township, SCST Cishan, TWG Pinlang, etc.

SKHL 10 15:52:33.0-0.4, 44.40N:148.80E, h69km, mb4.8/6
MOS 10 15:52:33.1-1.5, 44.43N:148.68E, h66km, mb4.4/1, Error ellipse: s-maj=20.7km s-min=13.8km az=147.8

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KUR Kuril'sk, SHO Shikotan, YUK Yuzh-Kuril'sk, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like YSS Yuzh-Sakhalins, PETK Petropavlovsk, MA2 Magadan, etc.

IDC 10 15:58:11.8-1.3, 21.54S:66.69W, h218km, mb3.4/1, mbmp3.8/4, MS3.1/2, Error ellipse: s-maj=36.2km s-min=14.3km az=109.0

SCB 10 15:58:13.7-1.4, 21.49S:66.82W, h214km, mb3.8/4, MW3.9, Error ellipse: s-maj=5.0km s-min=4.1km az=0.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MOCB Mochara, YJA Yari, AOVY TarjiaAcel, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AFI Afiamalu, NIUE Niue, MLZ Mavora Lakes, etc.

IDC 10 16:26:22.5-1.3, 64.19S:175.33E, h0km, mb3.9/5, mbmp3.9/6, ML2.6/1, MS3.7/2, Error ellipse: s-maj=62.0km s-min=23.5km az=65.0

ISC 10 16:26:27.1-1.6, 64.25S:175.4E, 0.1h10km, n41, c=073R, mb3.8/5, MS3.7/2, Balleny Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VNDA Vanda, RPZ Rata Peaks, GSPA South Pole Qui, etc.

IDC 10 16:30:55.6-0.8, 57.53N:153.53W, h0km, mb3.7/10, mbmp3.6/12, ML3.0/2, MS3.4/3, Error ellipse: s-maj=17.1km s-min=8.7km az=160.0

10d 16h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for Kodiak Island, Karluk, Shuyak Island, etc.

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Table with columns: SPCP, CGLM, SVW2, etc. Contains station data for Crater Peak Br, Capps Glacier, Sparrehow, etc.

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Table with columns: K20K, Telida, N25K, etc. Contains station data for Telida, Chitina, Valde, etc.

CRAI	Arctic Creek	40.13	31	PcP	PcP	16 47 54.1 +0.7
F14K	Arctic Creek	40.13	31	P	P	16 45 50.5 +1.1
SWI	Sorong	40.23	197	P	P	16 45 51.9 +1.2
ANM	Nome	40.27	32	P	P	16 45 51.5 +0.9
M13K	Dall Lake	40.38	39	P	P	16 45 52.3 +0.9
L14K	Kuka Creek	40.83	37	P	P	16 45 56.4 +1.2
F15K	North Star Dit	40.86	31	P	P	16 45 57.0 +1.6
G15K	Nukluk	40.93	32	P	P	16 45 57.4 +1.4
LBMI	Labuha	41.00	202	P	P	16 45 58.2 +1.1
KMSI	Cibinong	41.04	208	P	P	16 45 58.6 +1.2
M14K	Bethel	41.10	38	P	P	16 45 58.9 +1.4
G16K	Lisburne Hills	41.35	27	P	P	16 46 01.0 +1.6
CTOI	Gorontalo	41.35	209	P	P	16 46 00.3 +0.3
ZAAO	Zalesovo Array	41.38	311	P	I/Amb	16 45 59.0 -0.8
ZAAO	comp-Z,15nm,1.0s					16 46 01.5
ZAAO	comp-Z,12nm,0.6s					
ZALV	Zalesovo Beam	41.38	311	PcP	PcP	16 47 56.5 -0.5
ZALV	Zalesovo Beam	41.38	311	PcP	PcP	16 45 58.8 -1.0
ZALV	Zalesovo Beam	41.38	311	PcP	PcP	16 47 57.0 +0.1
ZALV	comp-Z,12nm,0.5s,baz=84,slow=7.7,SNR=46					16 45 59.5 -0.3
ZALV	comp-Z,4.7nm,0.4s,baz=91,slow=3.5,SNR=7.1					16 47 57.0 +0.1
ZALV	comp-Z,6.1nm,1.8,3s,baz=357,slow=38					17 04 06.0
ZALV	comp-Z,12nm,0.5s					
K15K	Wolf Creek Mou	41.51	36	P	P	16 46 01.0 +0.2
G16K	Koyuk River	41.71	31	P	P	16 46 04.2 +1.8
MRSI	Marisa	41.92	211	P	P	16 46 06.1 +1.5
N15K	Kwethluk River	41.97	39	P	P	16 46 05.8 +1.2
ZSN	Zaisan	41.97	302	eP	P	16 46 05.0 +0.2
ZSN	comp-Z,12nm,0.5s,baz=301					16 46 04.9 +0.2
ZSN	Zaisan	41.97	302	eP	pmax	16 46 04.9 +0.2
D17K	Noatak River	42.00	28	P	P	16 46 06.0 +1.3
FAKI	Fak Fak	42.01	195	P	P	16 46 06.3 +0.9
FAKI	Fak Fak	42.01	195	P	P	16 46 06.4 +1.0
O15K	Ungalikthiuk R	42.03	41	P	P	16 46 05.7 +0.6
CHTO	Chiang Mai	42.04	255	P	P	16 46 04.9 -0.8
CHTO	Chiang Mai	42.04	255	P	P	16 46 04.9 -0.8
CHTO	comp-Z,5.0nm,0.6s					
CHTO	Chiang Mai	42.04	255	P	P	16 46 05.4 -0.2
CHTO	Chiang Mai	42.04	255	pP	pP	16 46 19.3 -1.5
CHTO	Chiang Mai	42.04	255	sP	sP	16 46 26.6 -1.1
CHTO	Chiang Mai	42.04	255	PcP	PcP	16 48 00.1 +0.4
J16K	Anvik River	42.08	35	P	P	16 46 07.0 +1.5
I17K	Unalakleet	42.13	34	P	P	16 46 07.2 +1.4
C17K	DeLong Mountai	42.18	27	P	P	16 46 07.1 +0.9
CM31	Chiang Mai Arr	42.26	254	P	P	16 46 05.8 -1.6
CMAR	Chiang Mai Arr	42.26	254	P	P	16 46 06.4 -1.0
CMAR	Chiang Mai Arr	42.26	254	PcP	PcP	16 48 01.3 +0.8
CMAR	Chiang Mai Arr	42.26	254	P	P	16 46 07.0 -0.4
CMAR	comp-Z,1.1nm,0.7s,baz=46,slow=9.4,SNR=12					16 48 01.2 +0.8
CMAR	comp-Z,2.7nm,0.8s,baz=12,slow=2.2,SNR=10					17 04 35.0
CMAR	comp-Z,3.7nm,21.3s,baz=35,slow=37					
E17K	Hotham Inlet	42.31	29	P	P	16 46 08.3 +1.1
F17K	Baldwin Pennin	42.38	30	P	P	16 46 08.8 +1.0
L16K	Owhat River	42.40	37	P	P	16 46 08.8 +0.8
G17K	Kwailik Mounta	42.43	31	P	P	16 46 09.7 +1.4
LSA	Lhasa	42.54	274	P	pmax	16 46 10.7 +0.5
LSA	Lhasa	42.54	274	P	pmax	16 46 10.7 +0.5
LSA	Lhasa	42.54	274	I/Amb	I/Amb	16 46 10.1 -0.1
LSA	Lhasa	42.54	274	P	pmax	16 46 10.1 -0.1
M16K	Timber Creek	42.59	38	P	P	16 46 10.8 +1.1
H17K	Granite Mounta	42.64	32	P	P	16 46 10.6 +0.7
N16K	Nishilik Lake	42.64	39	P	P	16 46 10.6 +0.5
SANI	Sanana	42.80	204	P	P	16 46 11.5 -0.3
E18K	Tukpahleark C	42.85	29	P	P	16 46 12.6 +0.9
MPSI	Mapaga	42.90	213	P	P	16 46 14.7 +2.1
C18K	Utukok River	42.93	27	P	P	16 46 13.5 +1.2
O16K	Kokwok River B	42.94	40	P	P	16 46 13.3 +0.9
P16K	Nushagak River	42.97	41	P	P	16 46 13.6 +0.9
L17K	Donlin	43.00	37	P	P	16 46 13.8 +0.9
K17K	Iditarod	43.05	36	P	P	16 46 13.3 0.0
R16K	Pilot Point	43.18	43	P	P	16 46 14.5 +0.1
G18K	Tagagawik	43.31	31	P	P	16 46 16.6 +1.2
H18K	Honhosa River	43.32	32	P	P	16 46 16.0 +0.6
M17K	Holitna River	43.35	38	P	P	16 46 17.3 +1.5
N17K	Nushagak Hills	43.43	39	P	P	16 46 18.0 +1.6
C19K	Lookout Ridge	43.61	26	P	P	16 46 18.0 +0.3
L18K	Granite Mounta	43.76	36	P	P	16 46 19.9 +0.9
P17K	Kvichak River	43.78	41	P	P	16 46 19.8 +0.6
MK31	Makanchi Array	43.81	301	I/Amb	I/Amb	16 46 18.7 -1.0
MK31	Makanchi Array	43.81	301	P	P	16 46 35.0
MK31	Makanchi Array	43.81	301	P	pmax	16 46 18.7 -1.0
MK31	Makanchi Array	43.81	301	P	pmax	16 46 19.2 -0.5
MKAR	Makanchi Array	43.81	301	P	P	16 46 33.9 -1.1
MKAR	comp-Z,13nm,0.7s,baz=89,slow=9.5,SNR=14					16 48 05.8 +0.6
MKAR	comp-Z,2.0nm,0.7s,baz=93,slow=3.0,SNR=2.0					17 04 14.5
MKAR	comp-Z,7.0nm,19.9s,baz=89,slow=36					
F19K	Shalerucik Mo	43.82	30	P	P	16 46 20.8 +1.4
J18K	Innok River	43.84	35	P	P	16 46 20.8 +1.1
SHL	Shilong	43.87	268	P	P	16 46 21.4 +0.8
SHL	Shilong	43.87	268	pmax	pmax	16 46 21.4 +0.8
G19K	Purcell Mounta	43.99	31	P	I/Amb	16 46 20.5 -0.3
G19K	Purcell Mounta	43.99	31	P	I/Amb	16 47 44.5
G19K	Purcell Mounta	43.99	31	P	P	16 46 22.0 +1.2
D19K	Kuna River	43.99	27	I/Amb	I/Amb	16 46 22.3 +1.4
D19K	comp-Z,22nm,0.8s					16 46 39.0

D19K	Kuna River	43.99	27	P	P	16 46 22.1 +1.3
MAKZ	Makanchi	44.02	301	P	P	16 46 20.3 -1.1
MAKZ	Makanchi	44.02	301	I/Amb	I/Amb	16 46 36.8
MAKZ	Makanchi	44.02	301	P	P	16 46 20.3 -1.1
MAKZ	comp-Z,16nm,0.9s					
MAKZ	Makanchi	44.02	301	pP	pP	16 46 21.1 -0.3
Q17K	Contact Creek	44.07	42	P	P	16 46 22.8 +1.1
N18K	Kilae Creek	44.07	39	P	I/Amb	16 46 21.9 +0.3
N18K	Kilae Creek	44.07	39	P	I/Amb	16 46 48.8
N18K	comp-Z,65nm,1.8s					16 46 22.9 +1.3
N18K	Kilae Creek	44.07	39	P	P	16 46 22.9 +1.3
BNDI	Bandanaira	44.08	197	P	P	16 46 23.1 +1.1
TTA	Tatalina	44.12	35	P	P	16 46 22.7 +0.7
M18K	Stony River	44.13	38	P	P	16 46 22.6 +0.6
E19K	Redstone River	44.13	29	I/Amb	I/Amb	16 46 40.9
E19K	Redstone River	44.13	29	P	P	16 46 22.9 +0.9
H19K	Roundabout Mou	44.17	32	I/Amb	I/Amb	16 46 40.9
H19K	Roundabout Mou	44.17	32	P	P	16 46 22.9 +0.7
SVWZ	Sparvevohn	44.23	38	P	I/Amb	16 46 23.6 +0.7
SVWZ	comp-Z,50nm,1.7s					16 46 42.6
CHIR	Chirikof Islan	44.33	46	P	P	16 46 24.5 +0.9
J19K	Pooman	44.37	34	P	P	16 46 25.3 +1.5
J19K	Pooman	44.37	34	P	P	16 46 24.9 +1.1
P18K	Big Mountain,	44.40	41	P	P	16 46 25.1 +0.9
O18K	Koktuh Hills	44.41	40	P	P	16 46 25.1 +0.8
Q18K	Katmai Hardscr	44.52	42	P	P	16 46 26.3 +1.0
D20K	Etluvik River	44.58	27	P	P	16 46 26.4 +0.9
L19K	White Mountain	44.61	37	P	P	16 46 27.1 +1.2
L19K	White Mountain	44.61	37	P	P	16 46 26.6 +0.7
B20K	Mesde River	44.64	25	P	P	16 46 27.5 +1.6
B20K	Mesde River	44.64	25	P	P	16 46 27.5 +1.6
F20K	Avaraart Lake	44.65	30	P	P	16 46 27.4 +1.4
E20K	Nig River	44.65	28	P	P	16 46 27.5 +1.4
H20K	Anotleneega Mo	44.81	32	P	P	16 46 28.8 +1.3
R18K	Karluk	44.86	43	P	P	16 46 29.0 +1.1
K20K	Telida	45.02	35	P	P	16 46 29.2 +0.2
K20K	Telida	45.02	35	P	P	16 46 30.9 +1.8
J20K	Nowinta River	45.03	34	P	P	16 46 30.1 +1.0
J20K	Nowinta River	45.03	34	P	P	16 46 30.9 +1.8
SII	Sitkinak Islan	45.08	45	P	P	16 46 30.5 +0.9
L20K	Farwell, AK	45.08	36	P	P	16 46 31.0 +1.4
A21K	Barrow	45.10	24	P	P	16 46 31.6 +2.1
C21K	Knifeblade Rid	45.30	27	P	P	16 46 32.8 +1.5
IMAR	Indian Mountai	45.32	31	P	P	16 46 32.0 +0.6
M20K	Styx River	45.42	37	P	P	16 46 34.5 +2.2
B21K	Ikpuk River	45.44	26	P	P	16 46 34.0 +1.7
B21K	Ikpuk River	45.44	26	P	P	16 46 33.7 +1.5
G21K	Allakaket	45.47	31	P	I/Amb	16 46 32.2 -0.3
G21K	Allakaket	45.47	31	I/Amb	I/Amb	16 47 21.7
G21K	comp-Z,28nm,1.6s					16 46 34.2 +1.6
KURK	Kurchatov	45.49	307	P	P	16 46 32.1 -0.8
KURK	Kurchatov	45.49	307	P	P	16 46 32.3 -0.6
KURK	comp-Z,35nm,0.8s					
KURK	Kurchatov	45.49	307	pP	pP	16 46 32.4 -0.5
KURK	Kurchatov	45.49	307	sP	sP	16 46 45.5 -1.7
KURK	Kurchatov	45.49	307	sP	sP	16 46 53.0 -2.2
E21K	Killik River	45.49	28	P	I/Amb	16 46 32.5 -0.4
E21K	Killik River	45.49	28	I/Amb	I/Amb	16 46 51.3
E21K	Killik River	45.49	28	PcP	PcP	16 48 12.4 +1.7
E21K	Killik River	45.49	28	P	P	16 46 33.8 +1.0
OHAK	Old Harbor	45.52	44	P	I/Amb	16 46 32.3 -0.8
OHAK	Old Harbor	45.52	44	I/Amb	I/Amb	16 48 06.2
F21K	Alatina River	45.54	30	P	P	16 46 34.5 +1.3
A22K	Sinclair Lake	45.56	24	P	P	16 46 34.4 +1.2
KURBB	Kurchatov Arra	45.56	307	P	P	16 46 33.0 -0.5
KURBB	comp-Z,22nm,0.6s,baz=62,slow=8.1,SNR=148					17 05 52.8
H21K	Melozitna River	45.69	32	P	I/Amb	16 46 32.6 -1.7
H21K	Melozitna River	45.69	32	P	I/Amb	16 47 09.8
H21K	comp-Z,36nm,2.0s					16 46 35.2 +0.9
O20K	Slope Mountain	45.70	40	P	P	16 46 35.2 +0.6
KDAK	Kodiak Island	45.85	43	P	P	16 46 34.1 -1.5
KDAK	Kodiak Island	45.85	43	P	P	16 46 37.1 +1.4
KDAK	Kodiak Island	45.85	43	P	P	16 46 34.2 -1.5
KDAK	Kodiak Island	45.85	43	pmax	pmax	16 46 34.2 -1.5
KDAK	comp-Z,141nm,1.6s					17 05 24.9
KDAK	Kodiak Island	45.85	43	LR	LR	17 05 24.9
PPLA	Purkyyle	45.86	36	P	P	16 46 36.4 +0.5
N20K	Mount Spurr	45.87	38	P	P	16 46 36.7 +0.8
Q20K	Shuyak Island	45.89	42	P	P	16 46 36.5 +0.5
CAST	Castle Rocks	45.91	35	P	P	16 46 35.6 -0.6
CAST	Castle Rocks	45.91	35	P	P	16 46 36.5 +0.3
B22K	Teshchuk Lake	45.95	25	P	P	16 46 35.1 -1.2
B22K	Teshchuk Lake	45.95	25	P	P	16 46 37.3 +1.0
I21K	Tanana	46.01	32	P	P	16 46 37.9 +1.1
D22K	Ayiyak River	46.02	27	P	P	16 46 38.1 +1.2
D22K	Ayiyak River	46.02	27	P	P	16 46 38.1 +1.2
F22K	John River	46.07	29	P	P	16 46

MDOK	Medeo	48.32 297	eP	P	16 46 55.2	-0.1
GKN	Gorkha	48.40 276	eP	P	16 46 55.8	-0.4
TNSS	Tian-Shan	48.43 297	eP	P	16 46 56.2	-0.3
TNSS	Tian-Shan	48.43 297	eP	P	16 46 56.2	-0.3
H25L	Birch Creek	48.55 31	P	P	16 46 56.9	+0.3
F25K	Christian River	48.58 29	P	P	16 46 56.5	-0.4
E25K	Arctic Village	48.60 28	P	P	16 46 57.2	+0.2
E25K	Arctic Village	48.60 28	P	I Amb	16 47 16.0	
E25K	Arctic Village	48.60 28	P	P	16 46 56.4	-0.6
KUU	Kurty	48.60 299	eP	P	16 46 56.6	-0.8
KUU	Kurty	48.60 299	eP	P max	16 46 56.5	-0.8
M24K	Tolsona, Glenn	48.69 37	P	P	16 46 57.8	0.0
PRP	Porcupine Dome	48.71 32	P	P	16 46 57.2	-0.8
K24K	Donnelly Dome	48.72 34	P	P	16 46 57.2	-0.8
J25K	Salcha River	48.83 33	P	P	16 46 58.5	-0.3
KLU	Klutina	48.87 37	P	P	16 46 59.0	-0.2
KLU	Klutina	48.87 37	P	P	16 46 59.0	-0.2
Q23K	Middleton Isla	48.92 40	P	P	16 46 59.1	-0.4
DANN	Dangsing	48.93 276	eP	P	16 47 00.6	+0.2
PAX	Paxson	48.93 35	P	P	16 46 59.2	-0.5
EYAK	Gordova Ski Ar	49.07 39	P	P	16 47 00.7	+0.1
HARP	HAARP	49.13 36	P	P	16 47 01.0	-0.1
F26K	Sheenjek River	49.15 29	P	P	16 47 01.5	+0.3
KOLN	Koldanda	49.32 276	eP	P	16 47 03.3	0.0
G26K	Porcupine River	49.33 30	P	P	16 47 03.1	+0.6
BR2S	Berezni	49.37 307	iP	P	16 47 02.4	-0.7
BR2S	Berezni	49.37 307	eP	P max	16 47 02.4	-0.7
BR2S	Berezni	49.37 307	eP	P max	16 47 02.4	-0.7
N25K	Chitina, Valde	49.49 37	P	I Amb	16 47 03.8	-0.1
N25K	Chitina, Valde	49.49 37	P	I Amb	16 47 03.7	-0.3
SCRK	Sand Creek	49.49 34	P	I Amb	16 47 04.3	+0.3
SCRK	Sand Creek	49.49 34	P	I Amb	16 47 21.6	
SCRK	Sand Creek	49.49 34	P	P	16 47 03.8	-0.2
BMRM	Bremner River	49.57 38	P	P	16 47 04.7	+0.2
J26L	Joseph Creek	49.62 33	P	P	16 47 05.0	+0.1
PYUN	Piuthan	49.65 277	eP	P	16 47 05.3	-0.4
I26K	Coal Creek Min	49.71 32	P	P	16 47 05.7	+0.3
BTLS	Baital	49.82 301	eP	P	16 47 06.1	-0.6
BTLS	Baital	49.82 301	eP	P	16 47 06.0	-0.6
KULM	Kulim	49.85 299	P	P	16 47 07.0	-0.1
L26K	Log Cabin Wild	49.86 35	P	P	16 47 07.9	+1.0
BVAR	Borovoye Array	50.03 312	P	P	16 47 07.8	-0.3
BVAR	Borovoye Array	50.03 312	P	P	16 47 21.7	-1.9
BVAR	Borovoye Array	50.03 312	P	P	16 48 27.5	+0.4
E27K	Coleen River	50.08 28	I Amb	I Amb	16 47 27.5	
E27K	Coleen River	50.08 28	P	P	16 47 09.1	+0.8
VRDI	Verde Repeater	50.09 37	P	P	16 47 08.1	-0.5
BRVK	Borovoye	50.09 312	P	I Amb	16 47 07.3	-1.2
BRVK	Borovoye	50.09 312	P	P	16 47 07.3	-1.2
BRVK	Borovoye	50.09 312	P	P max	16 47 07.3	-1.2
BRVK	Borovoye	50.09 312	P	P max	16 47 08.2	-0.3
BRVK	Borovoye	50.09 312	P	P	16 47 22.9	-1.1
BRVK	Borovoye	50.09 312	P	P	16 48 07.5	+0.3
M26K	Nabesna, AK	50.13 36	P	P	16 47 09.7	+1.0
G27K	Doyon Strip	50.18 30	P	P	16 47 10.0	+1.0
D27M	Malcolm River	50.23 27	P	P	16 47 10.9	+1.5
MCARA	McCarthy VSAT	50.27 37	P	P	16 47 09.8	+0.1
MCARA	McCarthy VSAT	50.27 37	P	P	16 47 10.3	+0.5
AAK	Ala-Archa	50.27 298	P	P	16 47 09.4	-0.9
AAK	Ala-Archa	50.27 298	eP	P	16 47 09.5	-0.7
AAK	Ala-Archa	50.27 298	eP	P max	16 47 09.5	-0.7
AAK	Ala-Archa	50.27 298	eP	LR	17 08 45.2	
AAK	Ala-Archa	50.27 298	P	P	16 47 10.0	-0.2
AAK	Ala-Archa	50.27 298	P	P	16 47 31.6	-1.0
AAK	Ala-Archa	50.27 298	P	P	16 48 28.4	0.0
KSH	Kashi	50.29 293	P	P	16 47 14.1	+3.7
KSH	Kashi	50.29 293	P	P	16 47 29.0	+3.1
KSH	Kashi	50.29 293	P	P	16 47 36.4	+3.7
H27K	Steamboat Moun	50.29 31	P	P	16 47 10.8	+0.9
C27K	Cirque	50.31 38	P	P	16 47 11.6	+1.3
K27K	Chicken	50.32 34	I Amb	I Amb	16 47 37.5	
C27K	Chicken	50.32 34	P	P	16 47 11.2	+1.1
CRQE	Cirque	50.34 38	P	P	16 47 11.0	+0.6
HNR	Honiar	50.39 157	LR	LR	17 06 59.7	
EDFI	Ende Flores	50.51 206	P	P	16 47 11.3	-0.8
L27K	Beaver Creek	50.57 35	P	I Amb	16 47 13.1	+1.0
L27K	Beaver Creek	50.57 35	P	I Amb	16 47 49.5	
L27K	Beaver Creek	50.57 35	P	P	16 47 11.2	-0.8
SOEI	Soe	50.61 203	P	P	16 47 10.7	-2.2
SOEI	Soe	50.61 203	P	P	16 47 14.0	+1.1
EGAK	Eagle	50.62 33	P	P	16 47 13.1	+0.8
ARLS	Aral	50.65 297	P	P max	16 47 13.1	0.0
M27K	Edge Creek, AK	50.65 36	P	I Amb	16 47 13.0	+0.2
M27K	Edge Creek, AK	50.65 36	P	I Amb	16 47 53.7	
M27K	Edge Creek, AK	50.65 36	P	P	16 47 12.3	-0.5
F28M	Old Crow	50.78 29	I Amb	I Amb	16 47 52.3	
F28M	Old Crow	50.78 29	P	P	16 47 14.6	+1.0
E28M	Babbage River	50.80 28	P	P	16 47 13.8	+0.2
BARN	Barnard Glacie	50.97 37	P	P	16 47 15.5	+0.2
BARN	Barnard Glacie	50.97 37	P	P	16 48 33.2	+2.5
MESA	Mesa	50.99 39	P	P	16 47 15.9	+0.5
I28M	Miner Creek	51.04 32	P	P	16 47 16.4	+0.8
BVCY	Beaver Creek	51.11 36	P	P	16 47 16.4	+0.3
YUK3	Moose Creek	51.41 36	P	P	16 47 20.4	+1.8

E29M	Blow River	51.43 28	I Amb	I Amb	16 47 21.9	
E29M	Blow River	51.43 28	P	P	16 47 20.1	+1.8
KDU	Kakulu	51.52 192	P	P	16 47 20.6	+1.1
H29M	Whitestone	51.56 31	P	P	16 47 20.6	+1.2
G29M	Pine Creek	51.59 30	I Amb	I Amb	16 47 38.9	
G29M	Pine Creek	51.59 30	P	P	16 48 33.8	+1.1
G29M	Pine Creek	51.59 30	P	P	16 47 20.4	+0.8
I29M	Ogilvie Camp,	51.72 32	P	P	16 47 21.8	+1.1
PINM	Pinnacle	51.84 39	P	P	16 47 21.6	0.0
MTN	Manton Dam	51.90 193	P	P	16 47 23.4	+1.0
COEN	Coen	52.02 179	P	P	16 47 25.2	+0.9
COEN	Coen	52.02 179	P	P	16 47 22.5	-1.1
ELAY	Plampang	52.05 211	P	I Amb	16 47 27.2	
PLPK	Eagle Plains	52.19 30	I Amb	I Amb	16 47 27.2	
EPYK	Eagle Plains	52.19 30	P	P	16 47 24.4	+0.3
M29M	Somme Creek	52.20 35	P	P	16 48 37.4	+2.3
M29M	Somme Creek	52.20 35	P	P	16 47 25.2	+0.9
L29M	L29M	52.22 35	I Amb	I Amb	16 47 28.2	
L29M	L29M	52.22 35	P	P	16 47 24.7	+0.3
G30M	tAoh Zraii Nji	52.28 29	I Amb	I Amb	16 47 28.3	
G30M	tAoh Zraii Nji	52.28 29	P	P	16 47 26.5	+1.8
ARK	Arkit	52.32 297	P	P	16 47 25.5	-0.1
ARK	Arkit	52.32 297	P	P max	16 47 25.5	-0.1
F30M	Barrier River	52.33 29	P	P	16 47 26.6	+1.5
K29M	Barlow Dome	52.34 34	P	P	16 47 25.8	+0.5
YUK4	Talbot Ar	52.35 37	P	P	16 47 26.3	+0.7
I30M	Mount Dempster	52.55 32	I Amb	I Amb	16 47 29.9	
I30M	Mount Dempster	52.55 32	P	P	16 47 27.6	+0.8
O29M	Mount Kennedy	52.61 38	P	P	16 47 28.0	+0.6
J30M	Hart River	52.70 32	P	P	16 47 28.3	+0.3
PSI	Prapat	52.83 239	P	P	16 47 29.3	-0.3
PSI	Prapat	52.83 239	P	P max	16 47 29.3	-0.3
RPSI	Rantau Prapat	52.91 239	P	I Amb	16 47 29.3	-0.7
RPSI	Rantau Prapat	52.91 239	P	I Amb	16 47 33.8	
M30M	Minto, Yukon	52.93 35	P	P	16 48 39.8	+2.0
M30M	Minto, Yukon	52.93 35	P	P	16 49 25.7	
M30M	Minto, Yukon	52.93 35	P	P	16 47 29.7	+0.1
TRKS	Terek-Say	52.99 297	P	P	16 47 30.7	+0.1
TRKS	Terek-Say	52.99 297	P	P max	16 47 30.7	+0.1
HYT	Haines Junction	53.01 37	P	P	16 47 31.4	+1.1
INK	Inuvik	53.04 28	I Amb	I Amb	16 47 32.4	
INK	Inuvik	53.04 28	P	P	16 47 30.5	+0.2
G31M	Satah River	53.04 29	P	P	16 47 31.4	+1.1
N30M	Aishik Lake	53.05 36	P	P	16 47 32.5	+1.9
F31M	Tsigehtich	53.14 29	P	P	16 47 30.9	0.0
P29M	Windy Craggy	53.18 39	P	P	16 47 30.8	-0.7
H31M	Peel River	53.25 31	I Amb	I Amb	16 47 35.0	
H31M	Peel River	53.25 31	P	P	16 48 40.5	+1.6
H31M	Peel River	53.25 31	P	P	16 47 32.4	+0.5
P30M	Million Dollar	53.44 38	P	P	16 47 33.6	+0.2
IUG	Iuzhnay	53.54 298	eP	P	16 47 34.3	-0.2
IUG	Iuzhnay	53.54 298	eP	P	16 47 34.3	-0.2
N31M	Braeburn, Yuko	53.65 36	P	P	16 47 34.8	-0.2
O30N	Mendenhall	53.69 37	P	P	16 47 34.4	-0.9
PLBC	Pleasant Camp	53.91 39	P	P	16 47 35.9	-0.9
M31M	Drury Creek, Y	54.10 35	P	P	16 47 38.6	+0.3
WHY	Whitehorse	54.29 37	P	P	16 47 40.1	+0.4
SKAG	Skagway	54.41 39	P	P	16 47 40.5	+0.1
SVE	Sverdlovsk	54.47 318	eP	P max	16 47 41.5	+0.6
SVE	Sverdlovsk	54.47 318	eP	P max	16 47 42.2	+0.6
FARO	Faro, Yukon	54.57 35	P	P	16 47 42.2	+0.6
NIL	Nilore	54.63 288	P	P	16 47 43.3	+0.8
NIL	Nilore	54.63 288	P	P	16 47 43.3	+0.8
NIL	Nilore	54.63 288	P	P max	16 47 43.3	+0.8
NIL	Nilore	54.63 288	P	P	16 47 43.0	+0.5
GSI	Gunungsitoli	54.84 239	P	P	16 47 43.6	-0.5
GSI	Gunungsitoli	54.84 239	P	P	16 47 45.6	+1.5
KPJ	Karang Pucung	54.85 221	P	P	16 47 43.9	-0.2
A36M	Sachs Harbour	54.90 22	P	P	16 47 43.5	-0.3
KNRA	Kununurra	55.13 196	P	P	16 47 46.7	+0.7
KNRA	Kununurra	55.13 196	P	P	16 47 47.1	+1.1
P33M	Teslin, Yukon	55.40 37	P	P	16 47 48.1	+0.4
P33M	Teslin, Yukon	55.40 37	P	P	16 47 48.1	+0.4
SIMJ	Simiganj	55.62 295	P	P	16 47 49.1	-0.5
SIMJ	Simiganj	55.62 295	P	P	16 48 04.2	-1.2
SIMJ	Simiganj	55.62 295	P	P	16 48 11.3	-0.9
SIMJ	Simiganj	55.62 295	P	P	16 48 49.0	+0.3
ARU	Arti	55.69 318	I Amb	I Amb	16 47 49.0	-0.7
ARU	Arti	55.69 318	P	P	16 48 04.9	
ARU	Arti	55.69 318	P	P	16 47 49.5	-0.2
ARU	Arti	55.69 318	P	P	16 48 03.7	-1.7
ARU	Arti	55.69 318	P	P	16 48 45.7	
ARU	Arti	55.69 318	P	P	16 49 54.6	
ARU	Arti	55.69 318	P	P	16 55 32.4	+1.1
ARU	Arti	55.69 318	P	P max	16 47 49.5	-0.2
ARU	Arti	55.69 318	P	P	16 48 03.7	-1.7
ARU	Arti	55.69 318	P	P	16 48 45.7	
ARU	Arti	55.69 318	P	P	16 49 54.6	
ARU	Arti	55.69 318	P	P	16 55 32.4	+1.1
ARU	Arti	55.69 318				

Table with columns for station name, frequency, power, and other technical details. Includes stations like MORWA, MNSK, MNK, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PDAR, SNART, GSC, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SRO, SRO, MVCO, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like BFO Black Forest, FETA Feichten, DAVA Damuels, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like A009A Wartmannstette, A009A Rosalia, A009A RONA, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like KRUC Moravsky, KRUC Moravsky, KRUC Moravsky, etc.

DNK 10 16:40:27.8:1.5, 51.59N:16.84E, h9km:146km, ML2.8
PRU 10 16:40:31.5, 51.43N:16.07E, h0km
ISC 10 16:40:28.5:0.9, 51.52N:0.04:16.13E:0.03, h0km, n16,
+1907/30, Poland

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like KSP Ksiaz, CHVC Chvalec, OSTC Ostas, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like MPLH Molin, MOA Molin, MOA Molin, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like KRUC Moravsky, KRUC Moravsky, KRUC Moravsky, etc.

LDG 10 16:40:42.0:0.2, 47.65N:16.14E, h7km, M13.6/23, Error
ellipse: s-maj=4.5km s-min=9.9km az=37.0
PRU 10 16:40:43.5, 47.76N:16.08E, h10km, Neunkirchen

GCIS	Lg	Lg	16 41 44.1
GCIS	x	x	16 41 47.9
comp=Z,23nm,0.2s			
GCIS	ePn	Pn	16 41 15.7 +0.8
GCIS	eSn	Pn	16 41 44.1 +0.5
GCIS	IAML		16 41 47.9
comp=Z,23nm,0.2s			
ZAG	Pg	Sg	16 41 56.6 +12
A266A	Pg	Pn	16 41 16.0 +0.5
A266A comp=Z,120nm,SNR=12			
CRES	Pg	Pg	16 41 20.7 +0.5
CRES	x	x	16 41 16.7 +1.0
CRES	x	x	16 41 52.6
comp=Z,28nm,0.4s			
CRES	iPn	Pn	16 41 16.7 +1.0
CRES	IAML		16 41 52.6
comp=Z,28nm,0.4s			
GERESS Array S	Pn	Pn	16 41 17.5 +1.7
GERESS Array S	Lg	Lg	16 41 44.8
GERESS Array S	Pg	Pg	16 41 17.5 +1.7
GERESS Array S	eSg	Sg	16 41 44.8 +2.4
GERESS Array S	Pn	Pn	16 41 15.9 +0.1
comp=Z,68nm,SNR=9.5			
A332A	Sn	Sn	16 41 39.6 -0.3
KBA	eSn	Sb	16 41 18.4 +2.3
KBA	eSn	Sb	16 41 43.9 +0.9
comp=Z,94nm,0.5s			
KBA	Pn	Pn	16 41 18.4 +2.3
KBA	Sn	Sb	16 41 18.4 +2.3
KBA	Sn	Sb	16 41 43.9 +0.9
comp=Z,94nm,0.5s			
KBA	ePn	Pn	16 41 18.4 +2.3
MYKA	ePn	Pn	16 41 18.1 +1.7
MYKA	eSg	Sg	16 41 47.9 +1.0
comp=Z,65nm,0.4s			
MYKA	Pn	Pn	16 41 18.1 +1.7
MYKA	Lg	Lg	16 41 47.9
comp=Z,3.7nm,0.1s,SNR=6.3			
MYKA	eSg	Sg	16 41 47.9 +1.0
comp=Z,65nm,0.4s			
LJU	Pn	Pn	16 41 18.2 +1.9
LJU	Pn	Pn	16 41 18.2 +1.9
GORS	x	x	16 41 18.3 +1.8
GORS	x	x	16 41 53.0
comp=Z,198nm,0.6s			
GORS	iPn	Pn	16 41 18.3 +1.8
GORS	IAML		16 41 53.0
comp=Z,198nm,0.6s			
VYHS	Pn	Pn	16 41 16.1 -0.7
VYHS	Pn	Pb	16 41 19.2 -0.5
VYHS	ePn	Pn	16 41 16.1 -0.7
BUD	Pg	Pg	16 41 21.0 +1.3
BUD	Pg	Pg	16 41 21.5 -0.5
comp=Z,74nm,SNR=7.3			
A331A	Pn	Pb	16 41 19.5 -0.5
comp=Z,24nm,SNR=1.8			
A336A	Pn	Pn	16 41 17.1 0.0
comp=Z,49nm,SNR=5.2			
CRNS	Pn	Pn	16 41 19.2 +1.9
CRNS	x	x	16 41 54.2
comp=Z,14nm,0.2s			
CRNS	iPn	Pn	16 41 19.2 +1.9
CRNS	IAML		16 41 54.2
comp=Z,14nm,0.2s			
VISS	Pn	Pn	16 41 19.1 +1.3
VISS	x	x	16 42 09.0
comp=Z,58nm,0.8s			
VISS	iPn	Pn	16 41 19.1 +1.3
VISS	IAML		16 42 09.0
comp=Z,58nm,0.8s			
GBAS	Pn	Pn	16 41 19.5 +1.5
GBAS	Lg	Lg	16 41 51.8
GBAS	x	x	16 41 54.8
comp=Z,10nm,0.2s			
GBAS	iPn	Pn	16 41 19.5 +1.5
GBAS	eSg	Sg	16 41 51.8 +0.9
GBAS	IAML		16 41 54.8
comp=Z,10nm,0.2s			
ZVC	Lg	Lg	16 41 49.9
ZVC	eSg	Sg	16 41 49.9 +2.2
comp=Z,190nm,0.4s			
OZLJ	ePn	Pn	16 41 19.1 +0.6
OZLJ	Pn	Pn	16 41 19.1 +0.6
KOVH	Pn	Pn	16 41 18.7 +0.1
comp=Z,23nm,SNR=3.2			
KOVH	Pg	Pb	16 41 22.8 +0.9
KOVH	Sn	Sb	16 41 43.5 -1.5
KHC	Pn	Pn	16 41 16.7 -2.4
KHC	Pg	Lg	16 41 22.0 0.0
KHC	Lg	Lg	16 41 51.1
comp=Z,230nm,0.7s			
KHC	ePn	Pb	16 41 22.4 0.0
KHC	eSg	Sb	16 41 51.1 +1.9
comp=Z,230nm,0.7s			
KHC	ePn	Pn	16 41 16.7 -2.4
CADS	Pn	x	16 41 21.0 +1.9
CADS	x	x	16 41 56.9
comp=Z,67nm,0.4s			
CADS	iPn	Pn	16 41 21.0 +1.9
CADS	IAML		16 41 56.9
comp=Z,67nm,0.4s			
RJOB	Pn	Pb	16 41 22.4 -0.5
RJOB	ePn	Pb	16 41 22.4 -0.5
VOJS	Pn	Pn	16 41 21.7 +1.6
VOJS	x	x	16 42 06.8
comp=Z,22nm,0.4s			
VOJS	iPn	Pn	16 41 21.7 +1.6
VOJS	IAML		16 42 06.8
comp=Z,22nm,0.4s			
CEY	ePn	Pn	16 41 21.9 +1.5
CEY	ePn	Pn	16 41 21.8 +1.4
MORC	ePn	Pn	16 41 20.3 -0.3
MORC	ePn	Pn	16 41 21.7 +1.2
MORC	ePn	Pn	16 41 19.1 +0.7
MORC	Pn	Pn	16 41 20.3 -0.3
MORC	Sn	Sn	16 41 51.2 +2.8
MORC	iPn	Pn	16 41 23.3 +2.4
comp=Z,3.2nm,0.2s			
LESA	ePn	Pb	16 41 26.7 +1.9
comp=Z,17nm,0.2s			
LESA	eSn	Sn	16 41 51.3 +2.2
comp=Z,74nm,0.2s			
LESA	Pn	Pn	16 41 23.3 +2.4
comp=Z,3.2nm,0.2s			
LESA	Pg	Pb	16 41 26.7 +1.9
comp=Z,17nm,0.2s			
LESA	Sn	Sn	16 41 51.3 +2.2
comp=Z,74nm,0.2s			
MORH	iPn	Pn	16 41 21.0 0.0
MORH	Pn	Pn	16 41 20.9 0.0
comp=Z,7.5nm,SNR=9.3			
MORH	Pn	Pb	16 41 24.5 -0.4
MORH	Sn	Sn	16 41 46.2 -2.3
A254A	ePn	Pn	16 41 23.2 +0.9
A254A	Pn	Pn	16 41 23.3 +0.9
PRU	Pn	Pn	16 41 26.8 -0.9
PRU	Sn	Sn	16 41 54.6 +1.3
PRU	Lg	Lg	16 42 01.4
comp=Z,200nm,0.4s			
PRU	eSg	Sg	16 42 01.4 +3.3
comp=Z,200nm,0.4s			
PRU	ePn	Pb	16 41 26.8 -0.9
OKC	Pg	Pg	16 41 35.4 +3.6
WET	Pn	Pn	16 41 19.9 -4.3
WET	Pg	Pg	16 41 31.5 +2.6
WET	Lg	Lg	16 42 03.1
WET	Pn	Pn	16 41 19.9 -4.3
WET	ePn	Pn	16 41 31.5 +2.6
WET	Sb	Sb	16 42 03.1 +3.0
WET	Lg	Lg	16 42 04.1
comp=Z,220nm,0.5s			
PRA	eSg	Sb	16 42 04.1 +3.1
comp=Z,220nm,0.5s			
PSZ	iPn	Pn	16 41 23.5 -1.3
PSZ	Pn	Pn	16 41 23.5 -1.3
PSZ	Pb	Pb	16 41 25.0 -4.5
comp=Z,20nm,SNR=2.0			
PSZ	Pg	Pg	16 41 31.9 -1.1
PSZ	Sn	Sn	16 42 35.8 -0.6
A251A	ePn	Pn	16 41 25.4 +0.7

A251A	Pn	Pn	16 41 25.4 +0.7
A252A	ePn	Pn	16 41 25.1 +0.3
A252A	Pn	Pn	16 41 25.1 +0.3
ABTA	ePn	Pn	16 41 26.4 +1.4
comp=Z,0.5nm,0.1s			
ABTA	ePn	Pg	16 41 32.7 -0.6
comp=Z,5.4nm,0.2s			
ABTA	eSg	Sg	16 42 07.9 +0.8
comp=Z,56nm,0.5s			
ABTA	Pn	Pn	16 41 26.4 +1.4
comp=Z,0.5nm,0.1s			
ABTA	Pg	Pg	16 41 32.7 -0.6
comp=Z,5.4nm,0.2s			
ABTA	Lg	Lg	16 42 07.9
comp=Z,56nm,0.5s			
RIV	ePn	Pn	16 41 27.3 +2.1
RIJeka	ePn	Pn	16 41 25.9 -0.1
LANS	ePn	Pn	16 41 25.9 -0.1
LANS	Pg	Pg	16 41 31.3 +0.2
LANS	Sn	Sn	16 41 29.7 +1.4
LANS	Sn	Sn	16 41 26.9 +0.9
LANS	ePn	Pn	16 41 59.3 +1.0
LANS	eSg	Lg	16 42 01.7
LANS	Lg	Lg	16 42 01.7
LANS	Pn	Pn	16 41 27.9 +0.7
PLIT	Pn	Pn	16 41 29.8 +1.4
PLIT	Pn	Pn	16 41 30.7 +2.0
A253A	ePn	Pn	16 41 30.7 +2.0
A253A	Pn	Pn	16 41 31.9 +1.8
SMRN	ePn	Pn	16 41 31.9 +1.8
SMRN	ePn	Pn	16 41 34.4 +3.4
WTTA	ePn	Pn	16 41 34.4 +3.4
comp=Z,21nm,0.2s,SNR=15			
WTTA	Sg	Sg	16 42 18.8 -1.9
comp=Z,119nm,0.4s			
WTTA	Pn	Pn	16 41 34.0 +3.0
WTTA	Pg	Pg	16 41 34.4 +3.4
comp=Z,21nm,0.2s,SNR=15			
WTTA	Lg	Lg	16 42 18.8
comp=Z,119nm,0.4s			
WTTA	ePn	Pn	16 41 34.0 +3.0
KECS	ePn	Pn	16 41 31.2 0.0
WATA	ePn	Pn	16 41 34.4 +3.1
comp=Z,3.5nm,0.1s			
WATA	iSn	Sn	16 42 12.2 +4.4
comp=Z,24nm,0.2s			
WATA	eSg	Sg	16 42 21.9 +0.2
comp=Z,50nm,0.3s			
WATA	Pn	Pn	16 41 34.4 +3.1
comp=Z,3.5nm,0.1s			
WATA	Sn	Sn	16 42 12.2 +4.4
comp=Z,24nm,0.2s			
WATA	Lg	Lg	16 42 21.9
comp=Z,50nm,0.3s			
BLY	Pn	Pn	16 41 32.4 +1.1
BLY	Pn	Pn	16 41 32.2 +0.9
BLY	Pn	Pn	16 41 32.4 +1.1
BLY	Pn	Pb	16 41 35.7 -1.9
comp=Z,12nm,SNR=4.4			
RABC	ePn	Pn	16 41 33.9 +2.2
RABC	Pn	Pn	16 41 33.9 +2.2
KSP	ePn	Pg	16 41 42.6 -0.8
KSP	eSg	Pg	16 42 21.6 -2.3
KSP	Pg	Pg	16 41 42.6 -0.8
KSP	Lg	Lg	16 42 21.6
UDBI	Pn	Pn	16 41 34.7 +1.6
UDBI	Pn	Pn	16 41 34.7 +1.6
UDBI	Pn	Pn	16 41 35.3 +1.8
BRUN	ePn	Pn	16 41 35.3 +1.8
BRUN	Pn	Pn	16 41 43.9 +3.2
FUR	ePn	Pb	16 41 36.0 +2.1
FUR	ePn	Pn	16 41 36.0 +2.1
NVLJ	Sn	Sn	16 42 13.2 +0.8
NVLJ	Sn	Sn	16 41 36.0 +2.1
NVLJ	Sn	Sn	16 42 13.2 +0.8
ROTZ	Pn	Pb	16 41 43.7 +2.6
ROTZ	ePn	Pb	16 41 43.7 +2.6
ROTZ	ePn	Pb	16 41 43.7 +2.6
NIE	Pn	Pn	16 41 38.5 +4.2
SQTA	ePn	Pn	16 41 38.0 +3.1
SQTA	ePn	Pn	16 41 38.0 +3.1
comp=Z,2.5nm,0.1s,SNR=7.5			
SQTA	Sn	Sn	16 42 18.3 +4.0
comp=Z,13nm,0.3s			
SQTA	iSg	Sg	16 42 30.4 +0.2
comp=Z,27nm,0.2s			
SQTA	Pn	Pn	16 41 38.0 +3.1
comp=Z,2.5nm,0.1s,SNR=7.5			
SQTA	Sn	Sn	16 42 18.3 +4.0
comp=Z,13nm,0.3s			
SQTA	Lg	Lg	16 42 30.4
comp=Z,27nm,0.2s			
HSKC	Sg	Sg	16 42 28.8 -2.6
comp=Z,122nm,0.6s			
MGRS	ePn	Pn	16 41 37.1 +1.6
MGRS	ePn	Pn	16 41 38.4 +2.7
MOTA	ePn	Pn	16 41 38.4 +2.7
MOTA	ePn	Pn	16 41 48.3 +0.3
comp=Z,6.0nm,0.1s			
MOTA	eSn	Sn	16 42 18.9 +3.3
comp=Z,11nm,0.3s			
MOTA	eSg	Sg	16 42 32.0 +0.2
comp=Z,35nm,0.2s			
MOTA	Pn	Pn	16 41 38.4 +2.7
comp=Z,1.9nm,0.1s,SNR=7.1			
MOTA	Pg	Pg	16 41 48.3 +0.3
comp=Z,6.0nm,0.1s			
MOTA	Sn	Sn	16 42 18.9 +3.3
comp=Z,11nm,0.3s			
MOTA	Lg	Lg	16 42 32.0
comp=Z,35nm,0.2s			
BRG	Lg	Lg	16 42 32.8
BRG	x	x	16 42 43.9
comp=Z,97nm,0.5s			
BRG	Sg	Sg	16 42 32.8 -1.3
BRG	Amp	Amp	16 42 43.9
comp=Z,97nm,0.5s			
MANZ	Pn	Pn	16 41 40.2 +3.5
MANZ	Lg	Lg	16 42 31.2
MANZ	Lg	Lg	16 41 43.7 +3.5
MANZ	eSg	Sg	16 42 31.8 -2.6
VIRC	ePn	Pn	16 41 39.3 +2.1
VIRC	Pn	Pn	16 41 39.3 +2.1
QJC	Pg	Pg	16 41 57.2 +6.6
QJC	Pg	Pg	16 41 39.0 +1.5
ABAH	Pn	Pn	16 41 39.0 +1.5
comp=Z,13nm,SNR=2.1			
RETA	iPn	Pn	16 41 41.0 +2.4
comp=Z,1.2nm,0.1s			
RETA	Sg	Sg	16 42 38.0 -0.7
comp=Z,65nm,0.3s			
RETA	Pn	Pn	16 41 41.0 +2.4
comp=Z,1.2nm,0.1s			
RETA	Lg	Lg	16 42 38.0
comp=Z,65nm,0.3s			
FRGS	iPn	Pn	16 41 39.5 +0.3
FRGS	ePn	Pn	16 41 39.8 +0.6
FRGS	ePn	Pn	16 41 39.4 +0.2
FRGS	ePn	Pn	16 41 39.5 +0.3
FETA	iPn	Pn	16 41 42.8 +2.8
comp=Z,5.8nm,0.3s			
FETA	eSg	Sg	16 42 40.6 -1.2
comp=Z,10nm,0.3s			
FETA	Pn	Pn	16 41 42.8 +2.8
comp=Z,1.9nm,0.2s,SNR=15			
FETA	Sn	Sn	16 42 25.9 +2.6
comp=Z,10nm,0.3s			
FETA	Lg	Lg	16 42 40.6
comp=Z,10nm,0.3s			
KJUV	Pn	Pn	16 41 42.3 +2.0
KJUV	Pn	Pn	16 41 42.3 +2.0
SRKY	Pn	Pn	16 41 42.1 +1.5
NORI	Pn	Pn	16 41 43.5 +2.6
NORI	Pn	Pn	16 41 43.5 +2.6
DUGI	Pn	Pn	16 41 43.1 +1.9
DUGI	Pn	Pn	16 41 43.1 +1.9
DUGI	Pn	Pn	16 42 00.4 +4.4
CRVS	Pg	Pg	16 41 42.3 +0.4
CRVS	Pg	Pg	16 41 44.3 +2.2
STHS	Pn	Pn	16 41 44.3 +2.2
MORI	Pn		

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MBDF, SBF, PGF, SFF, ORIF, etc.

CNRM 10 16:52:21.35:07N:6:30W, h46km, m12.5
IGIL 10 16:52:23.9:35:25N:6:04W, h35km, ML1.5
INMG 10 16:52:23.5:1.1, 35:25N:6:04W, h50km, ML1, 9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHEFC, ZHG, PBVD, PVAQ, etc.

IDC 10 17:38:31.1-1.2, 50:85N:157:56E, h0km, mb3.5/6,
mbmp3.4/7, ML2.0/1, Error ellipse: s-maj=34.3km
s-min=26.0km az=100.0

KRSC 10 17:38:36.7-1.0, 50:96N:157:72E, h42km, 15km, ML4.0
ISC 10 17:38:37.6-1.8, 50:93N:157:77E, h0.1km, 16km, n34,
a=1500/35, mb3.5/6, Kuril Islands

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

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

IDC 10 17:58:17.6-9.3, 4:31S, 147:95E, h0km, mb3.0/3,
mbmp3.0/3, Error ellipse: s-maj=305.2km,
s-min=35.8km az=101.0, Bismark Sea

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

GCMT 10 18:01:48.2:0.3, 64:11S:0:03:176:14E:0:07, h20km, 1km,
MW5:0/80, Moment Tensor Solution, s30c32: s80c102;
Duration: 0 Moment tensor: Scale 10^19Nm; M-r: 3.96c; 20;

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

IDC 10 18:01:49.4:1.1, 64:38S:174:80E, h0km, mb3.8/5,
mbmp3.7/6, ML3.3/1, MS4:0/3, Error ellipse:
s-maj=51.1km s-min=22.1km az=64.0

NEIC 10 18:01:50.2:1.7, 64:3S:0:1:174:8E:0:4, h10km, 1km,
mb4.9/15, Error ellipse: s-maj=32.0km s-min=16.8km
az=74.0

ISC 10 18:01:49.8:0.5, 64:30S:0:08:174:7E:0:2, h10km, n73,
a=1912/33, mb4.3/8, MS4:1/32, Balleny Islands region

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

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

IDC 10 18:14:28.2:5.7, 28:39N:137:59E, h282km, 100km,
mb2.9/2, mbmp3.6/4, Error ellipse: s-maj=137.7km
s-min=24.5km az=64.0

JMA 10 18:14:35.0:0.2, 29:12N:14:02E:0:3, h450km, n9,
NEAR TORISHIMA IS

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

PRU 10 18:19:25.9:45:04N:17:27E, h1km
PDG 10 18:19:25.0:0.4, 44:31N:16:94E, h13km, 8km, ML3.1/7,
Error ellipse: s-maj=8.8km s-min=6.0km az=90.0

BEO 10 18:19:25.7:0.4, 44:87N:17:17E, h10km, 2km, ML2.9/7
RHSSO 10 18:19:24.9:0.2, 44:93N:17:19E, h4km, 1km, ML3.2/21,
21C-10d, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BLY, A051A, etc.

Table with columns: Code, Station Name, Az, El, Time, Res, and various station identifiers. Includes stations like A252A Venje, SRKY Kupres RS, A254A Petrova Gora, etc.

Table with columns: Code, Station Name, Az, El, Time, Res, and various station identifiers. Includes stations like B10A comp=Z,14nm,0.4s, ABTA Abfaltersbach, VYHS Vyšne, etc.

Table with columns: Code, Station Name, Az, El, Time, Res, and various station identifiers. Includes stations like ZKR Zakros, ZKR 154nm,0.4s, ZKR 246nm,0.4s, etc.

10d 18h

Table with columns for station name, frequency, power, and other technical details. Includes stations like GYA0B ALIBECK ARRAY, HFS Hagfors, FINES FINESSE Array B, etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like SONM Songino Array, ULN Ulanbaatar, DRLN Deer Lake, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like VA03, ROCH El Roble, PEL Peldehue, etc.

comp=Z,0.7nm,0.8s,baz=157,slow=7.8,SNR=3.9		BAZI Baumata		54.65	101	LR	LR	19 16 49.7
comp=Z,2.7nm,20.3s,baz=254,slow=36		NWA0 Narrow (SRO)		54.74	130	LR	LR	19 13 40.6
comp=Z,6.7nm,19.4s,baz=184,slow=32		SUR Sutherland		55.04	231	LR	LR	19 14 28.3
comp=Z,6.2nm,19.1s,baz=38,slow=33		TWG Pinlang		55.80	61	P	P	18 54 09.0 -0.9
comp=Z,1.1nm,0.7s,baz=157,slow=6.3,SNR=4.6		ZAA0 Zalesovo Array		56.65	11	I Amb	I Amb	18 54 14.2 -1.2
comp=Z,1.2nm,1.5s		ZALV Zalesovo Beam		56.65	11	P	P	18 54 14.2 -1.2
comp=Z,2.2nm,0.5s,baz=209,slow=7.6,SNR=11		ZALV Zalesovo Beam		56.63	111	P	P	18 54 14.8 -0.6
comp=Z,2.2nm,0.5s		SONMI Songino Array		58.70	28	P	P	18 54 31.1 +1.0
comp=Z,1.3nm,0.7s,baz=157,slow=6.3,SNR=4.6		SONM		58.70	28	LR	LR	19 19 56.1
comp=Z,1.1nm,0.7s		WRA Warramunga Arr		66.03	111	P	P	18 55 19.6 0.0
comp=Z,1.4nm,0.7s,baz=209,slow=6.0,SNR=14		WRA Warramunga Arr		66.03	111	P	P	18 55 20.0 +0.4
comp=Z,1.4nm,0.7s		WB2 Warramunga Arr		66.05	111	P	P	18 55 19.4 -0.3
comp=Z,1.2nm,0.6s,baz=281,slow=6.1,SNR=36		WB0 Warramunga Arr		66.08	111	P	P	18 55 20.1 +0.3
comp=Z,1.2nm,0.6s		ASAR Alice Springs		66.18	111	I Amb	I Amb	18 55 20.6 +0.1
comp=Z,2.6nm,1.4s		AS31 Alice Springs		66.18	115	P	P	18 55 20.7 +0.1
comp=Z,2.4nm,20.0s,baz=300,slow=37		WRO Warramunga Arr		66.22	111	I Amb	I Amb	18 55 21.1 +0.2
comp=Z,2.0nm,1.8s,baz=297,slow=36		KSR5 Korea Array		66.41	48	LR	LR	19 25 44.4
comp=Z,2.0nm,1.8s,baz=297,slow=36		JNS Nakatsue		67.25	53	LR	LR	19 24 47.0
comp=Z,2.0nm,1.8s,baz=297,slow=36		TORD Torodi Arr. Bea		68.63	285	P	P	18 55 38.0 +1.9
comp=Z,2.3nm,0.6s		FINES FINES Array B		70.85	340	P	P	18 55 49.1 +0.2
comp=Z,2.3nm,0.6s		FINES FINES Array B		70.85	340	P	P	18 55 48.2 -0.6
comp=Z,2.3nm,0.8s,baz=134,slow=8.0,SNR=1.9		SENIN Lac Sentin Creek		72.15	320	P	P	18 55 57.7 +0.4
comp=Z,4.0nm,18.2s,baz=24,slow=36		STKA Stephens Creek		74.19	123	P	P	18 56 08.9 -0.5
comp=Z,4.0nm,18.2s,baz=24,slow=36		DBIC Dimbokro		74.50	277	LR	LR	19 29 05.9
comp=Z,0.9nm,0.9s,baz=85,slow=4.7,SNR=5.5		ARCES ARCESS Array B		76.67	345	P	P	18 56 23.0 +0.1
comp=Z,0.9nm,0.9s		ESDC Sonseca Array		78.13	311	P	P	18 56 31.3 -0.5
comp=Z,1.0nm,0.9s		TIXI Tikisi		82.10	32	P	P	18 56 52.9 +0.5
comp=Z,1.0nm,0.9s		SEY Seymchan		88.07	27	LR	LR	19 38 10.2
comp=Z,5.7nm,18.3s,baz=351,slow=37		QSPA South Pole Qui		88.57	180	I Amb	I Amb	18 57 25.4 +0.3
comp=Z,1.2nm,0.8s		QSPA South Pole Qui		88.57	180	P	P	18 57 27.1 +2.0
comp=Z,0.8nm,0.6s,baz=133,slow=3.0,SNR=6.4		PDAR Pinedale Array		138.82	359	PKP	PKP	19 04 01.7 +0.2
comp=Z,0.5nm,0.6s,baz=90,slow=3.0,SNR=4.8		TXAR Lajitas Array		151.46	347	PKP	PKP	19 04 28.2 +0.5
comp=Z,2.1nm,0.9s,baz=70,slow=1.5,SNR=16								

NEIC 10 18:56:10.0e 1.5, 15.5S;0.1x:177.68W;0.08, h416km,6km, mb4.5/119, Error ellipse: s-maj=17.2km s-min=9.2km az=150.0

IDC 10 18:56:11.2e 2.1, 15.47S;177.75W, h430km,22km, mb3.5/12, mbtmp4.3/13, Error ellipse: s-maj=18.5km s-min=13.7km az=124.0

ISC 10 18:56:09.6e 0.8, 15.53S;0.08x:177.61W;0.06, h416km,9km, n434, c093/398, mb4.4/77, 8C-22D, Fiji Islands region

Code	Station Name	A°	AZ°	Phase	ID	Time	Res
				Op	ISC	h	ISC
MSVF	Nonsavu	4.70	242	P	P	18 57 31.5	+2.2
MSVF	Nonsavu	4.70	242	P	P	18 57 32.1	+2.8
AFI	Afiatutu	5.81	75	P	P	18 57 40.3	-1.1
FUNA	Funafuti	7.63	35	P	P	18 58 00.1	-0.9
NIUE	Niue	8.14	117	P	P	18 58 07.2	+0.9
NIUE	Niue	8.14	117	S	S	18 59 39.9	-2.2
LIFNC	LIFOU	15.31	248	P	P	18 59 23.9	-1.1
CTAO	Charters Tower	34.66	257	P	P	19 02 20.5	-1.9
CTAO	Charters Tower	34.66	257	I Amb	I Amb	19 03 04.3	
PMG	Port Moresby	34.90	276	P	P	19 02 23.8	-0.8
PMG	Port Moresby	34.90	276	I Amb	I Amb	19 02 41.0	
WAKE	Wake Island	37.91	335	P	P	19 02 49.5	+0.1
COEN	Coen	37.92	267	P	P	19 02 49.3	-0.4
COEN	Coen	37.92	267	I Amb	I Amb	19 02 55.9	
STKA	Stephens Creek	40.47	239	P	P	19 03 09.3	-1.1
CTAO	Charters Tower	40.47	239	P	P	19 03 09.2	-1.1
HMH	Humu'ula Sheep	41.14	33	P	P	19 03 16.9	+0.7
BB00	Buckleboo	45.25	239	P	P	19 03 47.5	+0.6
WRO	Warramunga Arr	45.67	257	P	P	19 03 50.2	-1.3
WB0	Warramunga Arr	45.81	257	P	P	19 03 51.3	-1.4
WB0	Warramunga Arr	45.81	257	PcP	PcP	19 05 21.7	-0.4
WRA	Warramunga Arr	45.86	257	P	P	19 03 51.6	-1.4
WRA	Warramunga Arr	45.86	257	PcP	PcP	19 05 21.9	-0.3
WRA	Warramunga Arr	45.86	257	PcP	PcP	19 03 51.7	-1.3
WRA	Warramunga Arr	45.86	257	PcP	PcP	19 05 22.0	-0.2
AS31	Alice Springs	46.21	252	P	P	19 03 54.8	-0.8
AS31	Alice Springs	46.21	252	I Amb	I Amb	19 03 55.8	
ASAR	Alice Springs	46.21	252	P	P	19 03 55.0	-0.6
ASAR	Alice Springs	46.21	252	PcP	PcP	19 05 21.4	-2.0
ASAR	Alice Springs	46.21	252	P	P	19 03 55.1	-0.5
ASAR	Alice Springs	46.21	252	PcP	PcP	19 05 23.0	-0.5
MTN	Manton Dam	49.67	266	P	P	19 04 21.4	-0.5
MTN	Manton Dam	49.67	266	I Amb	I Amb	19 04 21.9	
FAKI	Fak Fak	50.92	279	P	P	19 04 29.9	-1.1
FAKI	Fak Fak	50.92	279	I Amb	I Amb	19 05 09.6	
KNRA	Kununurra	51.53	262	P	P	19 04 34.3	-1.2
KNRA	Kununurra	51.53	262	I Amb	I Amb	19 04 49.1	
FORT	Forrest	51.74	243	P	P	19 04 36.0	-0.8
FORT	Forrest	51.74	243	I Amb	I Amb	19 04 37.1	
SOEI	Soe	56.87	268	P	P	19 05 14.8	+1.1
SOEI	Soe	56.87	268	I Amb	I Amb	19 05 15.7	
PSA00	Pilbara Seismi	59.27	254	P	P	19 05 28.8	-1.1
PSA00	Pilbara Seismi	59.27	254	P	P	19 05 29.0	-0.9
PSA00	Pilbara Seismi	59.27	254	I Amb	I Amb	19 05 29.9	
NWA0	Narrogin (SRO)	60.14	241	P	P	19 05 40.9	-0.5
NWA0	Narrogin (SRO)	60.14	241	I Amb	I Amb	19 05 50.0	
NWA0	Narrogin (SRO)	60.14	241	P	P	19 05 40.9	-0.5
NWA0	Narrogin (SRO)	60.14	241	I Amb	I Amb	19 05 50.0	
MORW	Morawa	62.15	245	P	P	19 05 48.0	-0.9
MORW	Morawa	62.15	245	I Amb	I Amb	19 05 55.8	
VBA	Scott Base	62.82	184	P	P	19 05 54.3	+1.8
VBA	Scott Base	62.82	184	P	P	19 05 54.0	+1.3
VBA	Scott Base	62.82	184	P	P	19 05 53.5	+0.8
VBA	Scott Base	62.82	184	P	P	19 05 53.5	+0.8
MJAR	Matsushiro Arr	66.49	322	P	P	19 06 15.1	-1.3
MAJO	Matsushiro Arr	66.49	322	P	P	19 06 15.3	-1.1
MJ99	Matsu-Tunnel	66.49	322	P	P	19 06 15.2	-1.1
ADK	Adak	67.14	1	P	P	19 06 19.1	-1.0
JMN	Monobe	67.35	317	P	P	19 06 21.5	-0.4

ATKA	Atka Island	67.52	2	P	P	19 06 21.9	-0.5
KKM	Kota Kinabalu	68.94	283	I Amb	I Amb	19 06 31.7	-0.4
UNV	Unalaska View	69.75	7	P	P	19 06 34.9	-1.1
UNV	Unalaska View	69.75	7	P	P	19 06 38.1	+2.1
UGM	Wanaga	70.51	267	P	P	19 06 40.8	-0.8
PEA0B	Petrovavlovsk-	71.60	345	P	P	19 06 46.7	-0.4
PETK	Petrovavlovsk-	71.60	345	P	P	19 06 46.3	-0.8
PETK	Petrovavlovsk-	71.60	345	P	P	19 06 46.7	-0.4
SSLB	Saanglung	71.61	302	P	P	19 06 46.3	-1.5
TPJB	Saanglung	71.60	301	P	P	19 06 46.7	-1.4
SDPT	Sand Point	72.06	10	P	P	19 06 51.6	+1.8
SPIA	Saint Paul Isl	72.70	4	P	P	19 06 55.1	+1.8
PKM	McPherson Peak	74.29	46	P	P	19 07 04.4	+1.0
PMPB	Monarch Peak	74.33	45	P	P	19 07 04.5	+1.1
SMCC	Simmler	74.39	46	P	P	19 07 03.7	0.0
QSPA	South Pole Qui	74.51	180	P	P	19 07 04.4	+0.5
KMPH	Moutier Pouce	74.58	40	P	P	19 07 06.3	+1.6
KMIE	Christians Isla	74.60	263	P	P	19 07 06.5	+1.0
KMRM	Mall Ridge	74.71	40	P	P	19 07 06.9	+1.4
VES	Vestal, Richgr	75.46	46	P	P	19 07 09.8	+1.1
R18K	Karluk	75.32	13	P	P	19 07 10.9	+2.6
KRMB	Red Mountain	75.36	39	P	P	19 07 10.6	+1.4
KRMB	Red Mountain	75.36	39	I Amb	I Amb	19 07 17.2	
BFSC	Mount Baldy Ra	75.47	48	P	P	19 07 10.3	+0.4
EDW2	Edwards Air Fo	75.56	47	P	P	19 07 11.5	+1.1
KXSB	Camp Six Broad	75.56	38	P	P	19 07 11.0	+0.7
CMB	Columbia Colie	75.60	43	I Amb	I Amb	19 07 10.7	+0.3
CMB	Columbia Colie	75.60	43	I Amb	I Amb	19 07 11.9	
ESJX	Sierra Juarez	75.62	51	P	P	19 07 11.2	+0.3
ESJX	Sierra Juarez	75.62	51	I Amb	I Amb	19 07 42.6	
ISA	Isabella, Lake	75.63	46	P	P	19 07 12.1	+1.4
Q17K	Contact Creek	75.68	12	P	P	19 07 10.9	+0.4
MONP2	Monument Peak	75.70	50	P	P	19 07 11.9	+0.5
O14K	Tiguykauivet M	75.71	9	P	P	19 07 09.8	-0.7
O15K	Ugaliak Island R	75.85	9	P	P	19 07 11.5	+0.2
KDAK	Kodiak Island R	75.93	14	P	P	19 07 11.4	-0.4
KDAK	Kodiak Island	75.93	14	P	P	19 07 11.6	-0.2
TPFO	Pin Flats	76.03	49	P	P	19 07 12.2	-0.8
Q18K	Katmai Hardscr	76.12	21	P	P	19 07 13.3	-0.2
YBH	Yreka Blue Hor	76.21	39	P	P	19 07 14.4	+0.6
YBH	Yreka Blue Hor	76.21	39	I Amb	I Amb	19 07 15.8	
MDBP	Devils Postpil	76.25	44	P	P	19 07 14.8	+0.4
MDBP	Devils Postpil	76.25	44	I Amb	I Amb	19 07 16.0	
CWC	Cottonwood Cre	76.31	46	P	P	19 07 14.1</	

10d 19h

Table with columns: ID, Name, Time, Az, El, AzEl, Res, and other station details. Includes stations like H19K Roundabout Mou, YUK6 Outpost Mounta, G18K Tagagawik, etc.

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Table with columns: ID, Name, Time, Az, El, AzEl, Res, and other station details. Includes stations like I26K Coal Creek, I26K Coal Creek Min, I26K Coal Creek, etc.

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Table with columns: ID, Name, Time, Az, El, AzEl, Res, and other station details. Includes stations like BRTR Keskin Array B, MORC Moravsky Berou, TIRP Tirusor, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TAP 10 19:19:28.9, NSK Sanguang, NSK, etc.

699	LATG	Datong	0.33 134	i P	Pb	19 19 36.6	-0.5
	LATG	baz=132		i S	Sb	19 19 41.3	-1.3
	NNS	Nan Shan	0.34 163	i P	Pb	19 19 36.5	-0.7
	NNS	baz=148		i S	Sg	19 19 41.2	+1.0
	TAP	Taipei	0.35 39	eS	Pb	19 19 42.8	-0.3
	NNSB	baz=148		S	Sg	19 19 41.4	+0.7
	TWS1	Kuangyinshan	0.36 23	P	Pb	19 19 37.9	+0.3
	TWS1	baz=34		S	Sb	19 19 43.7	+0.4
	TWE	Neicheng	0.37 97	P	Pb	19 19 37.3	-0.4
	NDS	baz=104		P	Pb	19 19 38.2	-0.6
	NDS	Dongshan	0.43 108	P	Sg	19 19 43.7	+0.5
	NDS	baz=113		S	Sg	19 19 43.7	+0.5
	YM01	YM01	0.47 36	eP	Pb	19 19 40.3	+0.9
	ANP	Anpu	0.48 29	eP	Pb	19 19 39.8	+0.2
	NHL	Miaoili	0.48 242	eP	Pb	19 19 40.2	+0.6
	TWT	Tachien	0.52 189	P	Pb	19 19 39.7	-0.6
	TDCB	Techi	0.52 190	P	Pg	19 19 39.4	+0.4
	ENA	Nanau	0.55 128	eP	Pb	19 19 40.5	-0.2
	TIPB	Suao	0.55 68	eS	Sb	19 19 40.4	-0.4
	TWP	Taipei	0.56 113	eS	Sb	19 19 48.6	-0.3
	TWC	Taipei	0.56 106	P	Pb	19 19 40.4	-0.4
	TWC	Taipei	0.56 113	eS	Sb	19 19 48.5	-0.4
	WHP	Taichung City	0.56 211	eP	Pb	19 19 40.7	-0.3
	EWUT	Wuta	0.57 124	P	Pb	19 19 40.8	-0.3
	EWUT	Wuta	0.57 123	S	Sg	19 19 47.7	+0.3
	NSY	Sanyi	0.57 233	P	Pn	19 19 42.3	-1.0
	ETLH	Xiulin Townshi	0.59 160	eP	Pb	19 19 41.5	0.0
	ETLH	Xiulin	0.59 153	eS	Sg	19 19 48.7	+0.5
	WHF	Hehuan Shan	0.62 180	eP	Pb	19 19 42.2	0.0
	SHX1	Grass Mountain	0.65 60	P	Pb	19 19 42.5	+0.1
	NACB	Ninganchiao	0.66 153	eP	Pb	19 19 42.5	-0.1
	NACB	Ninganchiao	0.66 151	eS	Sg	19 19 50.6	+0.2
	TWB1	Santiao Chiao	0.70 70	eP	Pg	19 19 42.8	+0.3
	LXIB	Xiulin Townshi	0.75 169	P	Pb	19 19 44.0	-0.3
	TCU	Taichung	0.81 221	eS	Sb	19 19 56.1	-0.2

TAP 10:19:32.2, 23.64N, 120.71E, h15km, ML2.6, B, Taiwan

Code	Station Name	Δ° AZ°	Phase	ID	ISC	h m s	Res
CHNS	Tsauling	0.05 213	i P	Pg	Pg	19 19 35.4	+0.3
CHNS	WHP		i S	Sg	Pb	19 19 37.7	+0.7
WHYT	Xinyi Township	0.15 66	i P	Sb	Pb	19 19 36.8	0.0
WHYT	ALS		i S	Sb	Pb	19 19 39.8	0.0
ALS	Alishan	0.15 144	i P	Pb	Pb	19 19 37.1	+0.1
ALS	WDLH		i S	Sb	Pb	19 19 40.6	+0.4
WDLH	Douliu	0.16 289	i P	Pb	Pb	19 19 37.1	+0.1
WDLH	WJS		eS	Sb	Pb	19 19 40.9	+0.7
WJS	Zhushan	0.18 6	i P	Pb	Pb	19 19 37.4	0.0
WJS	WCKO		i S	Sb	Pb	19 19 40.9	0.0
WCKO	Fanlu	0.22 205	i P	Pb	Pb	19 19 37.8	-0.1
WNT	Mingjian	0.24 355	P	Pb	Pb	19 19 38.5	+0.1
WNT	SSLB		i S	Sb	Pb	19 19 42.8	+0.3
SSLB	Suanguang	0.27 57	i P	Pb	Pb	19 19 38.7	-0.2
SSLB	CHY		i S	Sb	Pb	19 19 42.9	-0.5
CHY	Chiayi	0.29 242	P	Pb	Pb	19 19 39.2	0.0
CHY	WTK		S	Sb	Pb	19 19 44.0	+0.1
WTK	Tuku	0.29 280	P	Pb	Pb	19 19 39.3	+0.1
WTK	TYC		S	Sb	Pb	19 19 44.9	+0.9
TYC	Yuchr	0.30 27	i P	Pb	Pb	19 19 39.5	+0.1
TYC	WNT		S	Sb	Pb	19 19 45.0	+0.8
CHN4	Tsaushan	0.30 200	i P	Pb	Pb	19 19 39.4	0.0
SMLT	Sun Moon Lake	0.30 36	i P	Pb	Pb	19 19 39.5	0.0
SMLT	TPUB		eS	Sb	Pb	19 19 44.7	+0.4
TPUB	Ta-pu	0.34 192	P	Pb	Pb	19 19 39.8	-0.3
WTP	Ta-pu	0.40 192	P	Pb	Pb	19 19 40.8	-0.3
WRL	Guolierlin Hig	0.40 311	P	Pg	Pg	19 19 40.6	+0.4
WRL	VWDT		S	Sb	Pb	19 19 46.7	-0.3
VWDT	VWDT	0.42 74	P	Pb	Pb	19 19 41.7	+0.4
VWDT	TWK		S	Sb	Pb	19 19 48.0	+0.6
TWK	Hsiinying	0.42 209	P	Pb	Pb	19 19 41.3	-0.2
TWK	WSF		eS	Sb	Pb	19 19 48.1	+0.5
WSF	Szu	0.44 270	P	Pb	Pb	19 19 41.5	-0.3
WSF	WTCT		S	Sb	Pb	19 19 48.6	+0.3
WTCT	Ta-cheng	0.45 300	S	Sb	Pb	19 19 42.0	+0.1
WSL	Shulin Townsh	0.45 256	eP	Pb	Pb	19 19 42.0	+0.1
WSL	SNST		S	Sb	Pb	19 19 49.7	+1.2
SNST	Tainan City	0.46 205	P	Pb	Pb	19 19 42.0	-0.1
SNST	WCS		S	Sb	Pb	19 19 49.1	+0.4
WCS	Beigang Elemen	0.46 24	P	Pb	Pb	19 19 42.0	0.0
WCS	WCHH		S	Sb	Pb	19 19 48.9	+0.2
WCHH	Zhanghua	0.46 343	S	Sb	Pb	19 19 49.7	+0.9
STYH	Taoyuan	0.47 172	P	Pb	Pb	19 19 42.0	-0.2
STYH	CHN1		S	Sb	Pb	19 19 48.8	-0.2
CHN1	Nanshi	0.48 200	P	Pb	Pb	19 19 42.3	-0.2
CHN1	CHN1		S	Sb	Pb	19 19 49.9	+0.6

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Code	Station Name	Δ° AZ°	Phase	ID	ISC	h m s	Res
ICHU	Yijhu	0.48 235	P	Pb	Pb	19 19 42.6	+0.2
ICHU	TCU		S	Sb	Pb	19 19 50.5	+1.3
TCU	Taichung	0.51 357	P	Pb	Pb	19 19 43.1	+0.2
TCU	WUSB		S	Sb	Pb	19 19 50.9	+0.8
WUSB	Renai	0.52 47	eP	Pb	Pb	19 19 42.9	-0.2
WUSB	Renai	0.52 47	P	Pb	Pb	19 19 42.8	-0.3
WUSB	ELDTW		S	Sb	Pb	19 19 51.0	-0.4
ELDTW	Lidau	0.53 147	P	Pb	Pb	19 19 43.4	+0.1
ELDTW	Renai		eS	Sb	Pb	19 19 50.8	0.0
OWD	Renai	0.53 54	eP	Pb	Pb	19 19 43.5	0.0
OWD	Renai	0.53 54	P	Pb	Pb	19 19 43.5	+0.1
OWD	CHNB		S	Sb	Pb	19 19 50.7	-0.4
CHNB	Yiju	0.54 238	P	Pb	Pb	19 19 43.3	-0.1
CHNB	SGST		S	Sb	Pb	19 19 52.0	+1.0
SGST	Jiashan	0.56 192	P	Pg	Pg	19 19 43.0	-0.4
EHY	Hungye	0.58 103	P	Pb	Pb	19 19 44.5	+0.4
EHY	YULB		S	Sb	Pb	19 19 52.6	+0.4
YULB	Renai	0.59 114	P	Pb	Pb	19 19 44.5	+0.2
YULB	CHGB		S	Sb	Pb	19 19 52.9	+0.3
CHGB	Renai	0.60 45	P	Pg	Pg	19 19 43.0	-1.1
CHGB	Renai	0.60 45	S	Sg	Pg	19 19 52.5	+0.4
CHGB	Renai	0.60 45	P	Pg	Pg	19 19 43.0	-1.1
CHGB	Renai	0.60 45	S	Sg	Pg	19 19 52.5	+0.4
TWF1	Yuli	0.61 117	P	Pb	Pb	19 19 45.1	+0.4
TWF1	WARBT		S	Sb	Pb	19 19 53.8	+0.7
WARBT	Fenglin Townsh	0.63 83	P	Pb	Pb	19 19 45.2	+0.3
WARBT	YULB		eS	Sb	Pb	19 19 53.6	0.0
EYUL	Yuli	0.63 117	P	Pb	Pb	19 19 45.2	+0.2
SLGT	Lugui	0.64 185	P	Pb	Pb	19 19 45.3	+0.1
SLGT	Jiali	0.66 226	eP	Pb	Pb	19 19 45.7	+0.9
SCLT	Jiali	0.66 226	eP	Pb	Pb	19 19 45.7	+0.3
SCLT	EGFH		eS	Sn	Pb	19 19 56.6	-0.5
EGFH	Guangfu	0.66 87	eP	Pb	Pb	19 19 46.1	+0.6
EGFH	EHD		S	Sb	Pb	19 19 55.1	+0.5
EHD	Haiduan	0.67 137	P	Pg	Pg	19 19 45.3	0.0
EHD	Haiduan	0.67 137	eS	Sb	Pb	19 19 54.5	-0.3
HGSD	Ruisui	0.67 102	P	Pn	Pn	19 19 46.6	-0.7
WHP	Taichung City	0.67 19	eP	Pb	Pb	19 19 45.9	+0.1
WHP	ESL		eS	Sb	Pb	19 19 55.6	+0.6
ESL	Shilin	0.69 75	eP	Pb	Pb	19 19 46.5	+0.5
ESL	Shilin	0.69 75	eP	Pb	Pb	19 19 46.5	+0.5
ESL	FULB		eS	Sb	Pb	19 19 55.6	+0.3
FULB	Full	0.69 129	eP	Pn	Pn	19 19 47.0	-0.6
SHHT	Tain City	0.70 208	eP	Pn	Pn	19 19 47.0	-0.6
TWQ1	Liyutan	0.71 5	P	Pb	Pb	19 19 46.7	+0.3
TWQ1	WDJ		S	Sb	Pb	19 19 56.9	+0.9
WDJ	Dajia District	0.71 355	eS	Sb	Pb	19 19 57.1	+1.1
WHF	Hehuan Shan	0.72 45	eS	Sb	Pb	19 19 56.6	-0.1
TDCB	Techi	0.74 34	eP	Pg	Pg	19 19 46.6	-0.1
TSCK	Chigu Township	0.75 230	eP	Pg	Pg	19 19 46.8	0.0
TSCK	SCST		eS	Sb	Pb	19 19 57.9	+0.8
SCST	Cishan	0.77 195	eP	Pn	Pn	19 19 48.2	-0.5
NSY	Sanyi	0.78 4	eS	Sb	Pb	19 19 58.7	+0.8
LONT	Longtian	0.82 152	eP	Pb	Pb	19 19 48.7	+0.4
LONT	EDH		eS	Sb	Pb	19 20 00.0	+0.7
EDH	Donghe	0.86 140	eP	Pn	Pn	19 19 50.2	+0.4
TWG	Pinlang	0.88 157	eP	Pg	Pg	19 19 49.7	+0.4
TWG	TWGBT		eS	Sn	Pb	19 20 01.8	-0.8
TWGBT	Beinan	0.89 157	eP	Pg	Pg	19 19 49.6	+0.2
TWGBT	SSD		S	Sb	Pb		

Table of meteorological data for 10Z 19h, listing stations like BFZ, MRZ, OUZ, SNZO, BHW, PLWZ, etc., with columns for station name, coordinates, and various meteorological parameters.

Table of meteorological data for 11Z 19h, listing stations like NNC, AML, ULHL, AAK, AAK, etc., with columns for station name, coordinates, and various meteorological parameters.

Table of meteorological data for 12Z 19h, listing stations like STKA, MKAR, KURBB, BVAR, etc., with columns for station name, coordinates, and various meteorological parameters.

Summary text at the bottom of the page, including coordinates and station identifiers: '10Z 19:26:22.3, 3.5, 37.85N; 74.17E, h139km; 31km, mb3.4/4, mbmp3.9/11, Error ellipse: s-maj=30.6km s-min=21.4km az=175.0'.

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

TEH 10 20:22:25.6, 39.43N, 44.37E, h6km, 69km, ML2.9
ISK 10 20:22:26.7, 39.59N, 44.53E, h5km, ML2.2/10
TIF 10 20:22:27.1, 39.62N, 44.54E, h5km, 1km

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

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

NOU 10 20:33:05.8, 30.18S, 177.61W, h422km, mb4.4/9,
Kermadec Islands, New Zealand
NEIC 10 20:33:10.3, 2.1, 30.15S, 10.179, 4W, 0.2, h314km, 6km,
mb4.6/20, Error ellipse: s-maj=20.4km s-min=13.1km
az=109.0

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

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

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Table with 5 columns: SEY, KASI, JMJC, KIBK, NOR, EKA, DAG, LEM, MBAR, DAV, MPSI, PETK, JCJ, MRSI, BORG, ESDC, ESDC, ESDC, NEEM, NEEM, SUMC, SUMG, SUMG, EUNU, ICESG, ICESG, EDFI, A19K, A21K, C16K, B18K, C17K, B20K, C18K, GAMB, C19K, B22K, F14K, B21K, GUMO, D19K, BATI, E17K, SOEI, SOEI, E18K, E18K, F15K, D20K, C21K, E20K, F17K, C23K, G15K, D22K, E19K, E21K, G16K, TOAD, TORI, TORI, TORI, C24K, F19K, D23K, LSZ, G17K, D24K, H16K, F20K, C26K, E22K, E22K, G18K, TOLK, D25K, G19K, G19K, F21K, H17K, F22K, E23K, H18K, A36M, A36M

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Table with 5 columns: E24K, J14K, G21K, H19K, G22K, COLD, D27M, H20K, E25K, E25K, F24K, F24K, GCSA, J16K, D28M, G23K, M11K, H21K, H21K, F25K, K15K, H22K, I20K, F26K, E28M, E27K, E27K, L14K, BMAR, G24K, L15K, J19K, I21K, G25K, J18K, H23K, E29M, K17K, M13K, J20K, G26K, MLY, MLY, H24K, M14K, F28M, H25L, L16K, L16K, L17K, I23K, I23K, TTA, K20K, INK, INK, INK, G27K, M15K, C36M, L18K, MDM, BPWA, BPWA, BPWA, POKR, POKR, POKR, NEA2, NEA2, NEA2, F30M, M16K, PRP, PRP, COLA, COLA, COLA, CAST, CAST, CAST, M17K, H27K, G29M

10d 20h

Table with 5 columns: N15K, WRH, IL31, ILAR, ILAR, L19K, L19K, L20K, F31M, F31M, F31M, G30M, G30M, PPLA, TRF, TRF, M18K, HDA, HDA, I26K, MCK, M19K, I27K, H29M, J25K, J25K, G31M, G31M, N17K, EPYK, EPYK, EPYK, RND, M20K, O15K, I28M, I28M, PSA00, PSA00, PSA00, N18K, J26L, O16K, K24K, CUT, SKT, N19K, N19K, O17K, WAT1, EGAK, I29M, I29M, DHY, DHY, SCRK, P16K, H31M, WAT6, KNRA, NIKH, K27K, M22K, I30M, O18K, PAX, P17K, GHO, UNV, PMR, PMR, PMR, PMR, P18K, SML, Q16K, DAWY, DAWY, CAPN, L26K, L26K, M23K, J30M, J30M

NEIC 10 23:48:03.36:52N,141.83E,h0km
IDC 10 23:48:03.1-0.8,36:52N,141.83E,h0km,mb3.9/10,
mbmp4.0/14,ML3.0/3,MS3.2/11,Error ellipse:
s-maj=19.8km s-min=16.7km az=86.0

NEIC 10 23:48:06.5:1.8,36:57N,140.06:142.0E,0.06,h24km,6km,
mb4.3/10,Mw4.3,13,Error ellipse: s-maj=9.3km
s-min=6.3km az=154.0,Moment Tensor Solution.

NEIC 10 23:48:07.5:0.2,36:7N,140.6:142.2E,1.5,h53km,4km,
MV3.9/35,E OFF IBARAKI PREF
NIED 10 23:48:07.5:36:68N,141.71E,h53km,MW4.1,Moment
Tensor Solution. s3 Moment tensor: Scale 1015Nm;

ISC 10 23:48:03.8:3.1,36:55N,140.04:141.95E,0.05,h6km,20km,
m64,1539/55,mb4.0/16,MS3.1/5,Near east coast of
eastern Honshu

Code Station Name Az Phase ID Time Res
ONAJO Hitakimizuishi 0.96 298 i P
JHO Iwakichi 1.03 268 i P
JFK Kawauchi 1.06 313 p P

Code Station Name Az Phase ID Time Res
BEMT Mount Belmont 0.19 131 Pg
LYMT Lyon Mountain 0.20 60 Pg
OVMT Ovando 0.37 301 Pg

Code Station Name Az Phase ID Time Res
MARNC Mare, Loyalty 0.71 248 Pg
LIFNC LIFOU 1.47 287 P
PINNC Pines Island, 1.84 220 P

baz=288
IDC 10 23:56:54.1:2.1,8:05S:125.67E,h0km,mb3.5/1,
mbmp3.6/4,ML3.4/3,MS2.6/1,Error ellipse:
s-maj=41.6km s-min=30.3km az=88.0,Timor region

NEIC 11 00:23:35.0:2.3,47:00N,0.05:112.71W,0.07,h8km,3km,
ML2.7/40,ML3.0/21(BU),Error ellipse: s-maj=8.0km
s-min=5.3km az=224.0

Code Station Name Az Phase ID Time Res
BEMT Mount Belmont 0.19 131 Pg
LYMT Lyon Mountain 0.20 60 Pg
OVMT Ovando 0.37 301 Pg

Code Station Name Az Phase ID Time Res
MARNC Mare, Loyalty 0.55 265 Pg
MARNC Mare, Loyalty 0.55 265 P
LIFNC LIFOU 1.44 287 Sn

Code Station Name Az Phase ID Time Res
JHU2 Mitsune 1.91 293 eP
BSO1 Boso 1 2.38 341 eS
BSO1 Boso 4 2.90 333 eP

Code Station Name Az Phase ID Time Res
MARNC Mare, Loyalty 0.71 248 Pg
LIFNC LIFOU 1.47 287 P
PINNC Pines Island, 1.84 220 P

Code Station Name Az Phase ID Time Res
MARNC Mare, Loyalty 0.71 248 Pg
LIFNC LIFOU 1.47 287 P
PINNC Pines Island, 1.84 220 P

BKZ Black Stump Fm 19.09 161 P
TOO Toolangi 25.90 226 P
STKA Stephens Creek 26.43 241 P
WRO Warrungunga Arr 32.17 266 P

IDC 11 00:27:03.6:0.5,21:45S:168:70E,h0km,mb4.9/17,
mbmp4.9/19,ML4.2/2,MS4.6/17,Error ellipse:
s-maj=18.4km s-min=13.8km az=91.0

Code Station Name Az Phase ID Time Res
MARNC Mare, Loyalty 0.55 265 Pg
MARNC Mare, Loyalty 0.55 265 P
LIFNC LIFOU 1.44 287 Sn

Code Station Name Az Phase ID Time Res
MARNC Mare, Loyalty 0.55 265 Pg
MARNC Mare, Loyalty 0.55 265 P
LIFNC LIFOU 1.44 287 Sn

Code Station Name Az Phase ID Time Res
MARNC Mare, Loyalty 0.55 265 Pg
MARNC Mare, Loyalty 0.55 265 P
LIFNC LIFOU 1.44 287 Sn

Code Station Name Az Phase ID Time Res
MARNC Mare, Loyalty 0.55 265 Pg
MARNC Mare, Loyalty 0.55 265 P
LIFNC LIFOU 1.44 287 Sn

Code Station Name Az Phase ID Time Res
MARNC Mare, Loyalty 0.55 265 Pg
MARNC Mare, Loyalty 0.55 265 P
LIFNC LIFOU 1.44 287 Sn

Table of astronomical observations for 2017 NOV, entries 1-1000. Columns include station name, object name, RA, Dec, and various observation parameters.

Table of astronomical observations for 2017 NOV, entries 1001-2000. Columns include station name, object name, RA, Dec, and various observation parameters.

Table of astronomical observations for 2017 NOV, entries 2001-3000. Columns include station name, object name, RA, Dec, and various observation parameters.

11d 0h

MLYT	Lee's Yard	55.21	300	eP	P	00 45 48.8	+0.4
MBFL	Flemmings, Mon	55.24	300	eP	P	00 45 48.0	-0.6
CO03	Ei Pedregal	55.37	241	P	P	00 45 49.1	-0.3
comp=Z,15um,20.0s				IAMS_20	IAMS_20	01 08 03.8	
GO04	Toledo Observa	55.38	241	P	P	00 45 50.0	+0.2
GO04	Toledo Observa	55.38	241	P	P	01 06 46.7	
comp=Z,13um,19.0s				IAMS_20	IAMS_20		
GO04	Toledo Observa	55.38	241	U	P	00 45 50.9	+1.2
LMEL	Las Melosas	55.39	237	P	P	00 45 54.1	-0.1
comp=Z,7.9nm,0.9s				IAMS_20	IAMS_20	01 07 22.9	
AC04	Llanos de Chal	55.42	244	P	P	00 45 50.1	+0.4
AC04	Llanos de Chal	55.42	244	I	AmB	00 46 06.0	
MT13	San Alfonso	55.45	237	P	P	00 45 51.3	+1.3
MT13	San Alfonso	55.45	237	I	AmB	00 46 07.4	
comp=Z,127nm,1.4s				IAMS_20	IAMS_20	01 06 57.6	
VA03	San Esteban	55.51	238	P	P	00 45 51.4	+0.9
TBTG	Tabatinga, AM	55.58	273	I	AmB	00 45 50.0	-1.1
TBTG	Tabatinga, AM	55.58	273	I	AmB	00 45 54.1	
comp=Z,96nm,1.1s				IAMS_20	IAMS_20		
TBTG	Tabatinga, AM	55.58	273	eP	P	00 45 50.5	-0.6
TBTG	Tabatinga, AM	55.58	273	eP	P	00 45 51.4	+0.3
MT03	Universidad Ad	55.59	237	P	P	00 45 51.4	+0.4
MT03	Universidad Ad	55.59	237	I	AmB	01 07 25.0	
RAFF	Raffo Rosso	55.61	28	IAMS_20	IAMS_20	01 10 33.6	
comp=Z,17um,18.0s				IAMS_20	IAMS_20		
CO02	Combarbal	55.68	240	P	P	00 45 51.2	-0.5
CO02	Combarbal	55.68	240	I	AmB	01 08 13.5	
comp=Z,12um,18.0s				IAMS_20	IAMS_20		
CO02	Combarbal	55.68	240	U	P	00 45 54.5	+2.7
PEL	Peidehue	55.68	238	I	AmB	00 45 51.3	-0.3
PEL	Peidehue	55.68	238	I	AmB	00 45 55.2	
comp=Z,104nm,0.8s				IAMS_20	IAMS_20	01 07 09.2	
PEL	Peidehue	55.68	238	U	P	00 45 54.4	+2.8
PEL	Peidehue	55.68	238	P	P	00 45 51.3	-0.3
comp=Z,104nm,0.8s				IAMS_20	IAMS_20		
CO05	La Serena	55.73	242	P	P	00 45 51.4	-0.5
CO05	La Serena	55.73	242	I	AmB	00 45 55.1	
BO04	La Punta	55.75	237	P	P	00 45 51.9	-0.2
BO04	La Punta	55.75	237	I	AmB	00 46 07.9	
comp=Z,147nm,1.2s				IAMS_20	IAMS_20	01 07 25.2	
MT05	Renca	55.76	238	P	P	00 45 53.3	+1.1
MT05	Renca	55.76	238	I	AmB	01 07 30.6	
comp=Z,14um,18.0s				IAMS_20	IAMS_20		
VAE	Valguarnera	55.84	27	P	P	00 45 52.0	-0.5
VAE	Valguarnera	55.84	27	I	AmB	01 09 29.3	
comp=Z,42nm,1.2s,baz=108,slow=14,SNR=3.5				LR	LR		
ROC1	Ei Roble	55.93	238	P	P	00 45 53.4	-0.2
ROC1	Ei Roble	55.93	238	I	AmB	00 45 57.2	
comp=Z,70nm,0.9s				IAMS_20	IAMS_20		
BO02	Sierra Bellavi	56.02	236	P	P	00 45 54.4	+0.4
BO02	Sierra Bellavi	56.02	236	I	AmB	00 46 10.0	
MT09	Talagante	56.03	237	P	P	00 45 54.5	+0.3
MT02	Curacav	56.07	238	P	P	00 45 54.8	+0.5
MT02	Curacav	56.07	238	I	AmB	00 46 10.0	
comp=Z,139nm,1.2s				IAMS_20	IAMS_20	01 07 31.8	
CO06	Fray Jorge	56.16	241	P	P	00 45 54.7	-0.3
BO01	Tunca	56.20	236	P	P	00 45 54.5	-0.8
BO01	Tunca	56.20	236	I	AmB	00 46 10.8	
comp=Z,123nm,1.2s				IAMS_20	IAMS_20		
MT01	Popeta	56.26	237	P	P	00 45 55.7	0.0
FURI	Furi	56.44	71	P	P	00 45 57.4	-0.2
FURI	Furi	56.44	71	eP	P	00 45 57.6	0.0
FURI	Furi	56.44	71	eP	P	00 45 57.6	0.0
FURI	Furi	56.44	71	eP	P	00 45 57.6	0.0
comp=Z,15um,20.0s				IAMS_20	IAMS_20	01 07 25.9	
SMRT	St. Maarten	56.58	301	P	P	00 45 56.1	-2.0
SMRT	St. Maarten	56.58	301	I	AmB	00 46 09.0	
ML02	Paniamivia	56.70	235	P	P	00 45 59.0	+0.2
GO05	Huala	56.99	236	P	P	00 46 00.9	0.0
GO05	Huala	56.99	236	I	AmB	00 46 16.6	
PLCA	Paso Flores	57.05	229	P	P	00 46 01.7	+0.4
PLCA	Paso Flores	57.05	229	I	AmB	00 46 01.7	+0.4
PLCA	Paso Flores	57.05	229	P	P	00 46 01.7	+0.4
PLCA	Paso Flores	57.05	229	I	AmB	00 46 01.7	+0.4
comp=Z,65nm,1.5s				IAMS_20	IAMS_20		
PLCA	Paso Flores	57.05	229	P	P	00 46 00.6	-0.7
PLCA	Paso Flores	57.05	229	I	AmB	01 07 02.9	
comp=Z,3.1nm,0.7s,baz=86,slow=1.6,SNR=3.3				LR	LR		
BAUV	Ei Baul	57.32	289	P	P	00 46 03.4	-0.1
BAUV	Ei Baul	57.32	289	I	AmB	00 46 32.9	
comp=Z,110nm,1.0s				IAMS_20	IAMS_20		
BAUV	Ei Baul	57.32	289	eP	P	00 46 08.0	-2.7
GO06	Cararrehue	57.48	260	P	P	00 46 05.0	+0.6
CZSB	Cruzeiro do Su	57.70	268	P	P	00 46 04.4	-1.8
CZSB	Cruzeiro do Su	57.70	268	eP	P	00 46 12.7	+3.3
DESE	Dese	58.11	69	eP	P	00 46 12.7	+3.3
DESE	Dese	58.11	69	eP	P	00 46 12.7	+3.3
LR03	Panguipulli	58.15	231	P	P	00 46 08.7	-0.2
LR03	Panguipulli	58.15	231	I	AmB	00 46 21.4	
comp=Z,116nm,0.9s				IAMS_20	IAMS_20		
BI05	Punta Hualp	58.28	234	P	P	00 46 07.7	-2.2
BI05	Punta Hualp	58.28	234	I	AmB	00 46 51.7	
comp=Z,148nm,1.3s				IAMS_20	IAMS_20	01 09 26.9	
BI05	Punta Hualp	58.28	234	P	P	00 46 11.2	-0.2
LR03	Petrohue	58.51	229	P	P	00 46 26.4	
LR03	Petrohue	58.51	229	I	AmB	00 46 26.4	
comp=Z,62nm,0.8s				IAMS_20	IAMS_20		
CUC	Castrocucco	58.53	27	P	P	00 46 10.3	-1.2
CUC	Castrocucco	58.53	27	I	AmB	01 11 38.1	
comp=Z,11um,18.0s				IAMS_20	IAMS_20		
LL02	Futaleufu	58.59	226	P	P	00 46 12.7	+0.7
LL02	Futaleufu	58.59	226	U	P	00 46 14.8	+2.9
LL01	San Ignacio de	58.80	227	P	P	00 46 13.4	+0.1
PAOL	Paolisi	58.85	25	P	P	00 46 13.4	-0.4
comp=Z,15um,20.0s				IAMS_20	IAMS_20	01 11 15.7	
GV05	Gavdos	58.85	37	P	P	00 46 13.7	-0.1
CASP	Castiglione de	58.92	21	P	P	00 46 12.8	-1.3
VOI	Vohitsoka	58.95	109	P	P	00 46 14.1	-0.9
VOI	Vohitsoka	58.95	109	I	AmB	00 47 06.0	
comp=Z,141nm,1.8s				IAMS_20	IAMS_20	01 09 13.0	
VOI	Vohitsoka	58.95	109	P	P	00 46 27.2	+1.2
VOI	Vohitsoka	58.95	109	P	P	00 46 21.1	+6.1
VOI	Vohitsoka	58.95	109	U	P	00 46 14.8	+0.5
comp=Z,231nm,1.0s				IAMS_20	IAMS_20		
LR04	Corral	59.02	230	P	P	00 46 15.8	+0.8
LR04	Corral	59.02	230	I	AmB	00 46 26.1	
comp=Z,112nm,1.1s				IAMS_20	IAMS_20		
PYL	Pyllos	59.02	33	P	P	00 46 15.2	+0.3
ANKY	Antikythira	59.13	35	P	P	00 46 16.3	+0.6
FOMA	Nahampoana Res	59.13	112	IAMS_20	IAMS_20	01 09 14.6	
FOMA	Nahampoana Res	59.13	112	P	P	00 46 17.5	+1.5
LTHK	Lithakia	59.27	31	P	P	00 46 18.2	+0.4
SJG	San Juan	59.27	299	P	P	00 46 15.9	-0.7
SJG	San Juan	59.27	299	I	AmB	00 47 01.7	
comp=Z,91nm,1.4s				IAMS_20	IAMS_20		
SJG	San Juan	59.27	299	P	P	00 46 15.9	-0.7
SJG	San Juan	59.27	299	I	AmB	00 46 15.9	-0.7
comp=Z,91nm,1.4s				IAMS_20	IAMS_20		
SJG	San Juan	59.27	299	LR	LR	01 07 14.9	
comp=Z,5um,21.0s,baz=109,slow=32				LR	LR		
IMMV	Iera Moni Meta	59.23	36	P	P	00 46 17.0	+0.6
KEF3	Kephallonia	59.27	31	P	P	00 46 18.1	+1.3
KTHA	Kythira Island	59.27	35	P	P	00 46 16.0	-0.7
HATO	Hato, Curacao	59.30	292	P	P	00 46 16.1	-1.2
NAZ2	Neumayer-Watz	59.30	177	U	P	00 46 16.1	-0.2
comp=Z,25nm,1.2s,baz=340,slow=9.0				IAMS_20	IAMS_20		

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KLMT	Kalamata	59.31	33	P	P	00 46 18.2	+1.3
LL05	Los Muermos	59.36	229	P	P	00 46 18.2	+0.9
CEX3	Cesi	59.39	23	P	P	00 46 16.5	-0.9
comp=Z,124nm,1.7s				IAmB	IAmB	00 46 40.0	
INTR	Introdacqua	59.40	24	P	P	00 46 17.1	-0.5
INTR	Introdacqua	59.40	24	I	AmB	00 46 59.8	
comp=Z,71nm,1.3s				IAMS_20	IAMS_20		
OBO	Ambohiamtampo	59.43	105	LR	LR	01 09 35.2	
OBO	Ambohiamtampo	59.45	105	P	P	00 46 16.4	-2.1
ABPO	Ambohianpanom	59.45	105	P	P	00 46 16.4	-2.1
ABPO	Ambohianpanom	59.45	105	P	P	00 46 16.4	-2.1
comp=Z,44nm,1.6s				IAMS_20	IAMS_20		
AY01	Pyralis	59.45	225	P	P	00 46 17.4	-0.4
MGAB	Montegabbione	59.45	22	U	P	00 46 18.8	+0.8
AQU	L'Aquila	59.49	24	P	P	00 46 16.7	-1.4
AQU	L'Aquila	59.49	24	I	AmB	01 10 37.8	
comp=Z,21um,21.0s				IAMS_20	IAMS_20		
AQU	L'Aquila	59.49	24	U	P	00 46 19.3	+1.1
AQU	L'Aquila	59.49	24	P	P	00 46 16.7	-1.4
comp=Z,175nm,1.4s				IAMS_20	IAMS_20		
VLI	Veliai	59.54	34	P	P	00 46 18.4	-0.1
VNA3	Neumayer Olymp	59.54	178	U	P	00 46 17.3	-0.8
comp=Z,5um,19.9s,baz=22,slow=34				IAMS_20	IAMS_20		
FSK	Fiskardo	59.57	31	P	P	00 46 18.4	-0.3
BNI	Bardonecchia	59.60	17	I	AmB	00 46 18.4	-0.5
BNI	Bardonecchia	59.60	17	I	AmB	01 10 43.8	
comp=Z,14um,20.0s				IAMS_20	IAMS_20		
BNI	Bardonecchia	59.60	17	U	P	00 46 20.7	+1.8
BNI	Bardonecchia	59.60	17	P	P	00 46 18.4	-0.5
comp=Z,44nm,1.0s				IAMS_20	IAMS_20		
IDI	Anoyia	59.63	37	P	P	00 46 18.4	-0.9
IDI	Anoyia	59.63	37	P	P	00 46 18.2	-1.1
IDI	Anoyia	59.63	37	I	AmB	00 46 40.4	
comp=Z,104nm,1.2s				IAMS_20	IAMS_20		
IDI	Anoyia	59.63	37	U	P	00 46 20.0	+0.7
IDI	Anoyia	59.63	37	LR	LR	01 12 48.1	
comp=Z,5um,20.5s,baz=39,slow=37				IAMS_20	IAMS_20		
CAMP	Campotosto	59.65	23	P	P	00 46 18.4	-1.0
CAMP	Campotosto	59.65	23	I	Am		

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like LVV, MILM, KIS, and SOCC.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like PABE, CAMR, ACON, and MZR.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like P61, V61A, NC405, and F63A.

11d Oh

054A	Avella	80.01 315	P	P	00 48 25.5 +0.8
054A	comp=Z,172nm,1.5s		IAMB	IAMB	00 48 54.2
054A	comp=Z,9um,20.0s		IAMS_20	IAMS_20	01 17 37.4
352A	Blakely	80.13 305	P	P	00 48 25.3 -0.1
352A	comp=Z,143nm,1.2s		IAMB	IAMB	00 48 48.6
352A	comp=Z,13um,22.0s		IAMS_20	IAMS_20	01 15 29.1
352A	Blakely	80.13 305	S	S	00 58 32.7 +1.6
J54A	Appleton	80.16 318	P	P	00 48 24.6 -0.8
Y52A	Libburn	80.28 308	P	P	00 48 26.0 -0.3
Y52A	Libburn	80.28 308	P	P	00 48 26.7 +0.5
Y52A	comp=Z,11um,SNR=7.8		P	P	00 48 26.7 +0.5
Y52A	comp=Z,11um,SNR=7.8		S	S	00 58 32.9 +0.1
Y52A	comp=Z,11um,SNR=7.8		S	S	00 58 32.9 +0.1
152A	Waverly Hall	80.38 306	P	P	00 48 27.9 +1.1
152A	Waverly Hall	80.38 306	P	P	00 48 28.0 +1.2
152A	comp=Z,11um,SNR=6.4		S	S	00 58 35.3 +1.5
R53A	Hurricane	80.38 312	P	IAMB	00 48 26.6 0.0
R53A	comp=Z,124nm,1.5s		IAMS_20	IAMS_20	01 15 12.4
P53A	Whipple	80.44 314	P	P	00 48 26.9 0.0
P53A	comp=Z,8um,18.0s		IAMS_20	IAMS_20	01 22 05.8
P53A	Whipple	80.44 314	P	P	00 48 28.1 +1.1
P53A	comp=Z,114,SNR=7.2		P	P	00 48 28.1 +1.1
ALLY	Alegheny Colie	80.47 316	P	P	00 48 27.2 +0.2
451A	Vernon	80.50 304	IAMS_20	IAMS_20	01 16 28.9
ERPA	Erie	80.56 317	P	P	00 48 28.1 +0.6
ERPA	comp=Z,7um,21.0s		IAMB	IAMB	00 48 39.4
ERPA	comp=Z,78nm,0.8s		P	P	00 48 30.2 +2.6
ERPA	comp=Z,115		P	P	00 48 27.8 0.0
N53A	Lisbon	80.59 315	P	IAMB	00 48 58.2
N53A	comp=Z,197nm,1.4s		IAMS_20	IAMS_20	01 17 55.7
N53A	Lisbon	80.59 315	P	P	00 48 28.6 +0.8
N53A	comp=Z,114,SNR=7.4		P	P	00 48 28.6 +0.8
N53A	comp=Z,114,SNR=7.4		S	S	00 58 37.0 +1.4
N53A	comp=Z,114		S	S	00 58 37.0 +1.4
O53A	New Philadelph	80.62 314	P	IAMB	00 48 28.1 +0.1
O53A	comp=Z,135nm,1.1s		IAMS_20	IAMS_20	01 17 36.6
O53A	New Philadelph	80.62 314	P	P	00 48 31.5 +3.6
W52A	Murphy	80.63 309	P	IAMB	00 48 28.5 +0.4
W52A	comp=Z,138nm,1.2s		IAMS_20	IAMS_20	01 16 21.1
W52A	Murphy	80.63 309	P	P	00 48 29.1 +1.0
W52A	comp=Z,111,SNR=8.2		S	S	00 58 37.9 +1.5
V52A	Sevierville	80.65 310	P	IAMB	00 48 28.4 +0.2
V52A	comp=Z,122nm,1.4s		IAMB	IAMB	00 48 58.3
V52A	Sevierville	80.65 310	S	S	00 58 37.5 +1.0
TKL	Tuckaleechee C	80.72 309	P	IAMB	00 48 28.3 -0.2
TKL	comp=Z,123nm,1.4s		IAMB	IAMB	00 48 58.6
TKL	Tuckaleechee C	80.72 309	S	S	00 58 38.9 +1.7
TKL	comp=Z,112		P	P	00 48 28.3 -0.2
TKL	Tuckaleechee C	80.72 309	P	pmax	00 48 28.3 -0.2
TKL	comp=Z,123nm,1.4s		LR	LR	01 16 34.9
TKL	Tuckaleechee C	80.72 309	LR	LR	01 16 34.9
M53A	WI Miller and	80.74 316	P	P	00 48 28.3 -0.3
M53A	comp=Z,7um,21.9s,SNR=112,slow=30		IAMS_20	IAMS_20	01 16 22.6
M53A	WI Miller and	80.74 316	P	P	00 48 32.1 +3.5
Q52A	Bidwell	80.86 313	P	P	00 48 29.0 -0.2
Q52A	comp=Z,9um,22.0s		IAMS_20	IAMS_20	01 15 27.9
Q52A	Bidwell	80.86 313	P	P	00 48 29.9 +0.7
Q52A	comp=Z,113,SNR=10		P	P	00 48 29.9 +0.7
Q52A	comp=Z,113,SNR=10		S	S	00 58 40.5 +2.0
Q52A	comp=Z,113		S	S	00 58 40.5 +2.0
TZTN	Tazewell	80.87 310	P	IAMB	00 48 29.0 -0.4
TZTN	comp=Z,174nm,1.6s		IAMB	IAMB	00 48 59.8
TZTN	Tazewell	80.87 310	S	S	00 58 41.7 +2.8
TZTN	comp=Z,112		P	P	00 48 33.3 +3.9
Z51A	Franklin	80.96 307	P	IAMB	00 48 29.6 -0.3
Z51A	comp=Z,132nm,1.8s		IAMB	IAMB	00 49 00.1
Z51A	Franklin	80.96 307	P	P	00 48 31.3 +1.4
Z51A	comp=Z,110,SNR=5.5		S	S	00 58 41.7 +1.9
O52A	Adamsville	81.01 314	P	P	00 48 30.0 0.0
O52A	Adamsville	81.01 314	P	P	00 48 31.0 +1.0
O52A	comp=Z,114,SNR=12		P	P	00 48 31.0 +1.0
O52A	comp=Z,114,SNR=12		S	S	00 58 41.3 +1.3
O52A	comp=Z,114		S	S	00 58 41.3 +1.3
P52A	Corning	81.02 314	P	IAMB	00 48 30.4 +0.3
P52A	comp=Z,143nm,1.1s		IAMB	IAMB	00 48 42.2
P52A	Corning	81.02 314	P	P	00 48 32.5 +2.4
P52A	comp=Z,7um,18.0s		IAMS_20	IAMS_20	01 22 41.3
RTAL	Retalhuleu	81.07 287	P	P	00 48 30.5 -0.3
RTAL	comp=Z,113		IAMS_20	IAMS_20	01 24 31.7
HUEH	Huehuetenango	81.09 288	IAMS_20	IAMS_20	01 23 09.2
SADO	Sadowa	81.15 319	P	IAMB	00 48 30.0 -0.6
SADO	comp=Z,151nm,1.8s		IAMB	IAMB	00 48 50.5
SADO	Sadowa	81.15 319	LR	LR	01 18 51.1
SADO	comp=Z,11um,19.0s		LR	LR	01 19 02.0
X51A	Calhoun	81.15 308	P	IAMB	00 48 30.8 -0.1
X51A	comp=Z,142nm,1.4s		IAMS_20	IAMS_20	01 17 28.0
X51A	Calhoun	81.15 308	S	S	00 58 42.4 +0.6
X51A	comp=Z,111		S	S	00 58 42.4 +0.6
X51A	Loudon	81.20 309	P	IAMB	00 48 31.1 -0.1
X51A	comp=Z,156nm,1.6s		IAMB	IAMB	00 49 01.3
P51A	Loudon	81.20 309	S	S	00 58 43.6 +1.3
CPCT	Copper Cave	81.21 309	P	P	00 48 31.6 +0.5
CPCT	comp=Z,9um,21.0s		IAMS_20	IAMS_20	01 17 00.5
M52A	Chesterland	81.25 316	P	P	00 48 31.0 -0.3

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M52A	comp=Z,10um,21.0s		IAMS_20	IAMS_20	01 16 28.1
S51A	Beattyville	81.31 311	P	IAMB	00 48 32.2 +0.5
S51A	comp=Z,115nm,1.2s		IAMB	IAMB	00 49 02.1
S51A	comp=Z,11um,21.0s		IAMS_20	IAMS_20	01 16 47.1
S51A	Beattyville	81.31 311	P	P	00 48 32.7 +1.0
S51A	comp=Z,112,SNR=14		P	P	00 48 32.7 +1.0
S51A	comp=Z,112,SNR=14		S	S	00 58 46.8 +3.5
S51A	comp=Z,112		S	S	00 58 46.8 +3.5
250A	Grady	81.37 305	P	P	00 48 31.9 -0.1
250A	comp=Z,11um,19.0s		IAMS_20	IAMS_20	01 20 56.0
SSFO	Shawnee State	81.42 312	P	P	00 48 32.9 +0.7
DY2G	Dye2	81.47 348	IAMB	IAMB	00 48 34.5 +2.3
DY2G	comp=Z,10nm,1.0s		IAMB	IAMB	00 48 03.2
P51A	Williamsport	81.62 313	P	IAMB	00 48 33.1 -0.2
P51A	comp=Z,88nm,1.2s		IAMB	IAMB	00 48 03.2
P51A	Williamsport	81.62 313	S	S	00 58 47.8 +1.3
P51A	comp=Z,113		S	S	00 58 47.8 +1.3
VLDO	Val d'Or	81.63 323	P	P	00 48 33.8 +0.7
Q51A	Peebles	81.66 313	P	IAMB	00 48 33.6 +0.1
Q51A	comp=Z,59nm,0.9s		IAMB	IAMB	00 48 45.9
Q51A	comp=Z,10um,22.0s		IAMS_20	IAMS_20	01 16 02.1
Q51A	Peebles	81.66 313	P	P	00 48 34.7 +1.2
Q51A	comp=Z,112,SNR=8.6		P	P	00 48 34.7 +1.2
Q51A	comp=Z,112,SNR=8.6		S	S	00 58 48.4 +1.6
Q51A	comp=Z,112		S	S	00 58 48.4 +1.6
N51A	Ashland	81.70 315	P	P	00 48 33.9 +0.3
N51A	comp=Z,8um,20.0s		IAMS_20	IAMS_20	01 18 40.1
N51A	Ashland	81.70 315	S	S	00 58 48.7 +1.5
N51A	comp=Z,113		S	S	00 58 48.7 +1.5
W50A	Signal Mountai	81.72 308	P	IAMB	00 48 33.0 -1.0
W50A	comp=Z,11um,21.0s		IAMS_20	IAMS_20	01 16 56.1
FPAL	Fort Paine	81.72 308	P	IAMB	00 48 33.7 -0.3
FPAL	comp=Z,131nm,1.8s		IAMB	IAMB	00 49 03.7
BRAL	Brewton	81.73 304	P	P	00 48 33.6 -0.4
BRAL	comp=Z,11um,20.0s		IAMS_20	IAMS_20	01 18 27.9
BRAL	Brewton	81.73 304	P	P	00 48 37.5 +3.4
BRAL	comp=Z,11um,21.0s		IAMB	IAMB	00 48 34.4 -0.2
ACSO	comp=Z,93nm,1.1s		IAMS_20	IAMS_20	01 20 15.4
ACSO	comp=Z,7um,19.0s		P	P	00 48 35.0 +0.5
ACSO	Alum Creek Sta	81.86 314	P	P	00 48 37.9 +3.3
ACSO	Alum Creek Sta	81.86 314	P	P	00 48 35.0 -0.4
T50A	Nancy	82.01 310	P	P	00 48 35.3 -0.5
R50A	Paris	82.09 312	P	P	01 17 00.7
R50A	comp=Z,10um,21.0s		IAMS_20	IAMS_20	01 17 00.7
Y49A	Blount Mountain	82.11 307	P	IAMB	00 48 35.4 -0.6
Y49A	comp=Z,108nm,1.5s		IAMB	IAMB	00 48 51.7
Y49A	Blount Mountain	82.11 307	P	P	00 48 36.3 +0.3
Y49A	comp=Z,110,SNR=6.8		P	P	00 48 36.5 0.0
SWET	Seewanee	82.20 308	P	IAMB	00 48 36.5 0.0
SWET	comp=Z,10um,20.0s		IAMS_20	IAMS_20	01 17 41.9
LRAL	Lakeview Retre	82.30 306	P	P	00 48 36.7 -0.3
LRAL	Lakeview Retre	82.30 306	P	P	00 48 38.2 +1.2
LRAL	Lakeview Retre	82.30 306	P	P	00 48 37.5 +0.5
LRAL	Lakeview Retre	82.30 306	P	P	00 48 39.9 +2.9
LRAL	Lakeview Retre	82.30 306	P	sP	00 48 41.0 +3.8
M50A	Fremont	82.36 315	P	IAMB	00 48 36.9 -0.1
M50A	comp=Z,60nm,0.8s		IAMB	IAMB	00 48 49.2
M50A	comp=Z,8um,20.0s		IAMS_20	IAMS_20	01 19 00.4
U49A	Red Boiling Sp	82.54 310	P	P	00 48 37.9 -0.2
U49A	Red Boiling Sp	82.54 310	P	P	00 48 38.1 0.0
ICESG	Greenland Ices	82.59 351	IAMB	IAMB	00 48 39.5 +1.3
ICESG	comp=Z,13nm,0.9s		IAMB	IAMB	00 48 50.1
K50A	Casco	82.61 316	P	IAMB	00 48 37.1 -1.2
K50A	comp=Z,68nm,1.1s		IAMB	IAMB	00 48 50.1
JMIC	Jan Mayen	82.61 2	LR	LR	01 22 40.3
R49A	Shelbyville	82.71 311	P	P	00 48 38.3 -0.8
R49A	comp=Z,9um,21.0s		IAMS_20	IAMS_20	01 17 40.2
O49A	Covington	82.80 313	P	P	00 48 39.0 -0.5
O49A	comp=Z,78nm,1.0s		IAMB	IAMB	00 48 51.0
O49A	comp=Z,7um,19.0s		IAMS_20	IAMS_20	01 22 21.3
X48A	Hartselle	82.81 307	P	IAMB	00 48 39.2 -0.4
X48A	comp=Z,74nm,1.2s		IAMB	IAMB	00 48 51.9
CLTN	Cedars of Leba	82.81 309	P	IAMB	00 48 39.6 0.0
CLTN	comp=Z,63nm,1.2s		IAMB	IAMB	00 48 51.0
CLTN	comp=Z,7um,20.0s		IAMS_20	IAMS_20	01 17 49.9
P49A	Miami Univ. Ec	82.83 313	P	IAMB	00 48 39.2 -0.5

11d Oh

Table with columns: ID, Name, Date, Location, Status, and various numerical values. Includes entries like PALK, 425A, AAK, AAK, MNTX, MNTX, T25A, KSH, KSH, BRIGG, RSSD, EPT, SDCO, SDCO, ANMO, ANMO, ANMO, ANMO, ANMO, PHWY, PHWY, YG2A, YG2A, RES, S22A, K22A, LAO, RWVY, 319A, MVCO, KURB, KURB, KURK, KURK, RLMT, RLMT, BW06, PDAR, P18A, HMY, HMY, P17A, G16A, SNOW, FLYW, YNR, YNM, TPAW, IMW, AHID, YMR, HWUT, U15A, MTPU, PKCU, BOZ, TCRU, KNUB, SPBT, SZCU, HVU, 113A, CCUT, YKAW, SPR3, YKAW3, HLID, Q12A, PRN, YUH, RMX, S11A, MFD, PMD, PLID, TPNV, PFO, TKX, BAR, WCT, TJX, QSM, 109C, ELS, F10A.

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Table with columns: ID, Name, Date, Location, Status, and various numerical values. Includes entries like GRAC, BMO, B3M0, C36M, DSP, C09A, KVN, NV11, NVAR, J08A, WVOR, D08A, G08A, PBA, OMMB, MDPB, YERR, HAWA, I07A, WAKR, PNTR, F07A, EMB, LTY, G06A, CMB, PINE, K05A, PMPB, AFDM, BBGB, HOOD, LON, D05A, SAO, K04D, F04A, GNW, YBH, G03D, GDXM, LHMI, MCCB, I03D, F31M, HEB0, L02F, G31M, KHMM, KXSB, KRPM, JCC, H31M, E29M, G30M, E28M, EPYK, D27M, G29M, M2CQ, F28M, H29M, HOLB, E27K, I29M, BKNI, G27K, I28M, TNCH, E25K, MNAI, ENAG, EWAK, S32K, I26K, FYU, TOLK, XMIS, E24K, J26L, L27K, G24K, PRP.

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Table with columns: ID, Name, Date, Location, Status, and various numerical values. Includes entries like D22K, MORW, SCRK, E22K, J25K, L26K, H24K, PMBI, G22K, MENT, ILAR, H23K, COLA, CCB, PZH, PZH, PZH, PZH, F21K, WRH, I23K, C19K, D19K, DHY, SONM, M24K, BWN, F20K, E19K, H21K, I21K, RND, ULN, BPAW, SCM, TRF, CD2, CD2, KTH, E18K, SML, I20K, GHO, CUT, CAST, PMR, J20K, M22K, K20K, SKT, H18K, SUA, J19K, H17K, M20K, J18K, TTA, L19K, M19K, TAOE, GYA, GYA, GYA, GYA, L18K, H17K, K17K, DLZ, SVW2, J16K, ODZ, P19K, BTO, BTO, BTO, BTO, N18K, BILL, BILL, PSAD3, PSAAI, PSACI, KSM, PSAB3, PSAO0.

IDC 11 01:42:06.0.1.2, 21°46'S-168°64'E, h0km, mb4.0/7, mbmp4.0/8, ML3.7/1, Error ellipse: s-maj=37.5km

s-min=22.6km az=155.0

NOU 11 01:42:06.2, 21°37'S-168°75'E, h0km, MLV4.2/9, Loyalty Islands

NEIC 11 01:42:08.0.0.7, 21°50'S-167°69'E, h10km, 1km, mb4.2/5, Error ellipse: s-maj=12.8km s-min=4.6km az=19.0

ISC 11 01:42:09.0.0.6, 21°51'S-166°18'E, h20km, n39, 0°59/39, mb4.2/11, 3C, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists various stations like MARNC, LIFNC, PINNC, etc.

KRSC 11 01:46:18.5.1.0, 54°73'N-162°36'E, h53km, 22km, MI4.0, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists stations like KBTR, KBG, TUMD, etc.

IDC 11 01:54:33.9.1.3, 37°06'S-178°91'E, h0km, mb4.3/5, mbmp4.3/5, Error ellipse: s-maj=29.2km s-min=27.3km az=42.0

WEL 11 01:54:39.6.1.2, 37°51'S-179°9'E, h25km, 9km, M4.0/55, ML4.3/17, MLV4.0/55, Error ellipse: s-maj=0.0km

ISC 11 01:54:37.3.1.2, 37°25'S-178°17'E, h21km, 5km, n106, 0°59/108, mb4.1/6, 3C, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists stations like MXZ, WMGZ, PKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists stations like TKGZ, MWZ, WHRZ, etc.

MOS 11 02:06:17.7.1.0, 27°46'N-56°64'E, h16km, mb4.6/15, Error ellipse: s-maj=8.3km s-min=5.1km az=98.1

IDC 11 02:06:17.1.0.6, 27°59'N-56°65'E, h0km, mb4.1/20, mbmp4.1/25, ML3.8/5, Error ellipse: s-maj=15.1km s-min=12.8km az=124.0

NEIC 11 02:06:19.6.2.6, 27°47'N-56°57'E, h10km, 1km, mb4.3/28, Error ellipse: s-maj=13.7km s-min=9.6km az=127.0

DSN 11 02:06:19.8.1.6, 27°34'N-57°21'E, h10km, ML4.5/13, Error ellipse: s-maj=24.7km s-min=11.3km az=146.0

TEH 11 02:06:19.9.27.51N-56°73'E, h20km, 16km, ML4.4

OMAN 11 02:06:21.3.1.4, 27°40'N-56°70'E, h20km, mb4.1/9, m4.6/21, Error ellipse: s-maj=10.2km s-min=5.3km az=21.0

ISC 11 02:06:20.3.0.8, 27°48'N-56°68'E, h19km, 2km, n251, 0°59/296, mb4.3/47, MS4.1/4, 9C-4D, Southern Iran

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists stations like IBND, GENO, KHJN, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists stations like LAR1, UMU, MASF, etc.

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Table with columns: LPAZ, H03N2, H03N1, H03N3, ILAR. Includes station names, times, and coordinates.

FUNUV 11 08:04:42.9, 10.27N, 62.16W, h5km, MW3.7
TRN 11 08:04:43.5, 10.12N, 62.18W, h42km, MD3.8
ISC 11 08:04:42.4, 1.8, 10.28N, 0.09, 62.27W, 0.06, h10km, 15km, n28, e1938/39, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Trinidad (W), Carupano, Grenville, etc.

IDC 11 08:24:39.4, 2.23, 21S: 179.55W, h589km, 41km, mb3.1/7, mbmp4.0/8, Error ellipse: s-maj=53.6km s-min=22.0km az=23.0
ISC 11 08:24:37.3, 1.2, 23.6S: 0.1x179.5W, 0.2, h550km, n27, e180/27, mb3.8/7, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Green Lake, Nonsavu, HAZ, etc.

IDC 11 08:56:36.1, 0.7, 38.82N: 27.49E, h0km, mb3.9/12, mbmp3.9/20, ML3.9/8, MS3.3/9, Error ellipse: s-maj=12.2km s-min=10.9km az=132.0
MOS 11 08:56:36.8, 1.1, 38.82N: 27.46E, h11km, mb4.5/6, Error ellipse: s-maj=5.4km s-min=3.5km az=108.6
PDG 11 08:56:37.9, 0.6, 38.88N: 27.45E, h18km, ML4.5/3, Error ellipse: s-maj=0.6km s-min=0.6km az=90.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like WRA, Vnda, GSPA, etc.

AFAD 11 08:56:37.8, 0.0, 38.96N: 27.47E, h18km, MW4.4
ISK 11 08:56:37.7, 38.85N: 27.47E, h18km, ML4.4/2.9
MED_RC 11 08:56:38.0, 0.6, 38.85N: 27.47E, h23km, 3km, MW4.3/4, Moment Tensor Solution, Mantle waves: s8;9; Duration: 1s0 Moment tensor: Scale 10^15Nm; Mr=0.79; 62; Mw=1.54; 42; Mo=0.74; 56; 1.1; 38.85N: 27.47E; Mo=2.89; 56; Ms=0.90; 47; Best double couple: M=3.61000x10^15 Np1=83.00000; d77.00000; lambda=151.00000; NP2: 0.346.00000; s62.00000; lambda=15.00000; Principal axes: T 3.63000, P1g10.00000, Azm12.00000; N -0.03000, P1g5.00000, Azm105.00000; P -3.60000, P1g30.00000, Azm307.00000; nsta1 refers to body waves. nsta2 refers to surface waves. nsta3=35s.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like NEIC, THE, ATH, ISC, AKS, etc.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like DKL, STEP, BALIKESIR, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like KZIL, AFYON, KIZIL, etc.

Table with columns: Code, Station Name, Az, El, SNR, and other parameters. Includes stations like FNA Florina, MPEP Malo Peshtene, MFTFR Murfatlar, etc.

Table with columns: Code, Station Name, Az, El, SNR, and other parameters. Includes stations like WTTA Wattenberg, KHC Kasperke Hory, SQT Sankt Quirin, etc.

Table with columns: Code, Station Name, Az, El, SNR, and other parameters. Includes stations like KSR Koster, MOPA Mopani, MOPM Mopani, etc.

11d 10h

Table with columns: SIGR, EZN, EZN, S, Sb, Pn, Sn, Time, Res, ISC. Includes data for stations like Alcaldia de L, Alcaldia de S, etc.

CATAC 11 09:27:09.2,0.6,13.04N,-89.12W,h20km,5km,ML4.5, Hypocentre not reviewed by the ISC
SNET 11 09:27:10.2,5.5,13.07N,-89.13W,h38km,ML4.3
GCG 11 09:27:11.3,0.5,13.35N,-88.95W,h50km,102km,MD4.0
IDC 11 09:27:12.0,2.0,13.16N,-89.07W,h77km,19km,mb3.3/8, mbtmp3.8/11,MS3.3/17,Error ellipse: s-maj=32.9km s-min=12.4km az=46.0
UCR 11 09:27:11.6,1.7,13.10N,-89.10W,h52km,MW3.8, MB4.1(NEIC)
NEIC 11 09:27:11.8,1.7,13.10N,-89.10W,0.07,h52km,12km, mb4.1/25,Error ellipse: s-maj=11.5km s-min=6.8km az=50.0
ISC 11 09:27:10.2,0.6,13.08N,0.06,-89.10W,0.05,h55km,n132, c=125/120,mb4.0/17,MS3.2/14,2D,El Salvador

Main table for 11d 10h section, listing station names, codes, and seismic data. Includes stations like LALI, PANCS, SJTE, TECO, LOMA, COEG, AEIL, SNET, UTEC, MAGS, SEMO, IGU, UDBS, UESV, UJES, PAVA, PMON, JAYA, LFU, BOGS, SCLA, POSS, QUEZ, CEDA, PACA, RANC, CEVE, SBLS, UNIC, NUBE, LLGN, LOAL, LCND, CNCH, MTO3, JUAM, ESQI, CSGN, NBG, GUNB, PCG, TGUH, CRIN, PKGN, FUG, POLN, ROCN, ILCN, CNGA.

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Main table for 2017 NOV section, listing station names, codes, and seismic data. Includes stations like CNGN, MOMN, COPN, OCON, LIMN, SULM, MSHR, APYN, STG3, RTAL, TISN, QUIS, UNAN, CRUN, RCPN, MATN, HUEH, PETF, ACOPYA, HZTE, CLAR, ORTE, MESS, HORNC, VMAR, COLC, MOTZ, DUNO, ACAL, INDI, JESN, JPTS, JTS, CEDE, ARE1, CASE, CAST, MONTE, COCO, COOPE, LAFE, CBL1, CPMI, JACO, HDC, LCR2, CVTO, CVTV, RMTA, BATAN, CMIG, CMIG, TEIG, TEIG, BRU2, COHC, SDV, SDV, HND0, BOSC, DRIO, Z47A, BRDY, GOGA, OZNA, BAUV, TX31, TX32, TXAR, TXAR, MIAR, MIAR, APMT, ATAH, FCAR, LCAR, TKL, SMWD, PCRV, MSTX, S39A, CCM, CCM, ANMO, ETMB, PFO, P17A, SADO.

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Main table for 732 section, listing station names, codes, and seismic data. Includes stations like PDAR, LPAZ, NVAR, ULM, SIV, LVC, YBH, NLWA, H03N2, H03N1, H03N3, CPUP, YKA, INK, ILAR, WRA, ASAR, PZH, CMAR, KRVT, RABL, MANU, PMG, HNR, COEN, CTAO, EIDS, MTN, WBO, WR0, WR0, WRAB, WB2, WRA, KNRA, AS31, ASAR, ASAR, STKA, STKA, BBOO, FORT, MBWA, PSA00, GIRL, MORW, ILAR, QSPA, QSPA, DAWY, TORD, WRA, ASAR, ASAR, JHU, MKAR, VIE, SQT.

11d 10h

Table with columns: Code, Station Name, Az, El, Pn, P, Time Res. Includes stations like Wattenberg, Sankt Quirin, GERES, MOTA, AKASG, KHC, ESDC, HFS, FINES, NB2, NOA, EKA, TORD, ARCES, KURBB, MKAR, ZALV, ASAR, QSPA.

IDC 11 10:19:27.8-0.6, 36:37S:97.72W, h0km, mb4.5/11, mbtmp4.5/11, MS4.5/48, Error ellipse: s-maj=21.4km s-min=15.9km az=81.0
NEIC 11 10:19:29.8-0.9, 36:35S:01:97.77W:0.2, h10km, 1km, mb4.8/196, Error ellipse: s-maj=25.7km s-min=18.1km az=27.0
GCMT 11 10:19:30.8-0.2, 36:36S:01:97.72W:0.01, h14km, 1km, MW5.2/139, Moment Tensor Solution, s77.c111, s139.c224: Duration: 0 Moment tensor: Scale 1016Nm; Mn=-0.36±.13; Mw=0.74±.12; Mm=1.11±.12; Mm0.81±.24; Mw=6.67±.12; Mw=0.87±.25; Best double couple: M6.82800x1016 NP1.94,000000, s84.000000, λ173.000000, NP2.94,184.000000, s83.000000, λ6.000000. Principal axes: T 7.1050, Plg9.00000, Azm49.00000; N -0.5520, Plg81.00000, Azm231.00000; P -6.5500, Plg0.00000, Azm139.00000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

ISC 11 10:19:28.4-0.5, 36:29S:008.9770W:0.10, h12km, n236, e090/114, mb4.8/103, MS4.5/47, 5C-1D, West Chile Rise

Table with columns: Code, Station Name, Az, El, Pn, P, Time Res. Includes stations like RPN, H03S2, H03S1, H03S3, H03N2, H03N3, H03N1, LL02, LL05, LL07, LR03, LL03, LL01, AY01, GO06, AY02, GO05, LL02, LL02, COYC, VA05, PLCA, PLCA, MT01, BO01, BO02, MT09, BO04, MT03, MT03, MT13, VA03, MT08, CO03, GO04, LCO, AC04, CO01, AC05, ZON, GO03, AC06, CFA, GO02.

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Table with columns: LVC, PB02, PB01, PB08, GO01, PB16, NNA, NNA, LPAZ, LPAZ, LPAZ, ATAH, PMSA, ITGB, CPUP, CPUP, MCRA, ARNL, ARNL, CZSB, PFB, SALI, BOSC, COV, CIV, CHSH, CHSH, ETMB, ETMB, ITAB, SLO, ADOB, Pontes e Lacer, PULU, OTAV, OTAV, OTAV, IMBA, VILB, VILB, TBTG, SAML, SAML, GCUF, POPC, YJTC, PLMIC, ROSC, ROSC, ROSC, ROSC, CHIC, CBOC, NORC, TAOE, SPBC, MACA, JTS, MHS, BCIP, ZARG, BDFB, BDFB, BDFB, TIAR, BELA, BELA, PPT2, PPT2, SDV, BOAV, BOAV, BOAV, CMIG, QSPA, QSPA, QSPA, VNA3, PCRV, SBA, SBA, VNA1, VNA2, TEIG, VNA, VNA, TROLL, LPIG, SJG, RCBR, ELIB.

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Table with columns: URZ, HNDO, TX31, TX32, TXAR, SAND, JCT, ALPN, RPZ, BRDY, MNHN, APMT, TUC, 214A, DKNS, 152A, MSTX, SMWD, ANMO, X18A, BLYVC, PFO, SWET, LCAR, LCAR, V48A, U38A, U38A, TKL, MGMO, U49A, BCW, MVCO, QSM, CCM, CCM, KNB, PKVC, TPNV, PRN, MSVF, MAW, MAW, DSP, LHV, NV11, NVAR, NVAR, WAKR, KVN, BSUT, YERR, PNTR, AFDM, ELK, BMN, K22A, PDAR, TPWA, HLD, YBHD, YBHD, SPBH, L04D, K05A, K05A, RLMT, DZM, DZM, DZM, F36A, J05D, I07A, SADO, PINE, PLID, G08A, H04A, F10A, F07A, E07A, D08A, NEW, NEW.

Table with columns: SUR, BBK, STKA, HNR, BOS, BTA, CBIC, DTIC, TSUM, LBTB, YKA, H01W1, H01W2, H01W3, TORD, MDJ, MDJ, MDJ, KLMR, KLMR, KSRS, HEH, KBZ, HHC, SONM, GEYT, PZH, ZALV, KURBB, MKAR, WMQ. Includes station names, coordinates, and various codes.

IDC 11 10:55:12.9,0.23:91S:66:78W, h174km, 10km, mb3.5/8, mbtmp4.1/16, Error ellipse: s-maj=15.8km s-min=12.2km az=51.0

SJA 11 10:55:12.4,0.9,23:93S:66:95W, h212km, 6km, ML4.3, MW4

NEIC 11 10:55:14.0,1.3,23:95S:0:07:67.1W:0.1, h207km, 10km, mb4.0/10, ML4.4(GUC), Error ellipse: s-maj=13.7km s-min=9.8km az=89.0

GUC 11 10:55:14.9,0.8,23:89S:67:25W, h222km, 9km, ML4.4

VAO 11 10:55:15.1,0.3,23:73S:66:94W, h198km, mb4.2

ISC 11 10:55:13.5,0.6,23:92S:0:04:67.0W:0.04, h196km, 6km, n145, e118/165, mb4.0/11, 12C-1D, Jujuy Province

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

Table with columns: AC06, G003, G001, G001, YCA, VCO, PB16, LCO, PB12, PB19, G004, LPAZ, LPAZ, LPAZ, CFA, CFA, BBSD, CPUP, SIV, AOOD, SALV, ALGR, PTGB, CPBS, ITAB, ITAB, ETMB, ETMB, C2SB, PLTB, LDAS, PCLB, TRQA, NNA, NNA, SAML, SAML, SAML, CNLB, PRDR, FR1B, ITAB, G006, CLDB, CZSB, CZSB, PLCA, PLCA, BB19B, SPB, RCLB, PETO, VAO, IPMB, SNDB, PARB, BDFB, BDFB, TBGT, TBGT, TBGT, PWNB, NPGS, TEFE, BSCB, VAS01, ITTB, DIAM, JANB, SGCB, SDBA, PRPB, PRPB, SJMB, RIB01, MALB, GUA01, BELA, VNA3, VNA2, SNA4, SNA4, TROLL, TXAR, QSPA, QSPA, DBIC, ANMO, TORD, PDAR, BOS, MAW, GEYT, WRA, ZALV, MKAR, CMAR, PZH. Includes station names, coordinates, and various codes.

IDC 11 10:55:12.9,0.23:91S:66:78W, h174km, 10km, mb3.5/8, mbtmp4.1/16, Error ellipse: s-maj=15.8km s-min=12.2km az=51.0

SJA 11 10:55:12.4,0.9,23:93S:66:95W, h212km, 6km, ML4.3, MW4

NEIC 11 10:55:14.0,1.3,23:95S:0:07:67.1W:0.1, h207km, 10km, mb4.0/10, ML4.4(GUC), Error ellipse: s-maj=13.7km s-min=9.8km az=89.0

GUC 11 10:55:14.9,0.8,23:89S:67:25W, h222km, 9km, ML4.4

VAO 11 10:55:15.1,0.3,23:73S:66:94W, h198km, mb4.2

ISC 11 10:55:13.5,0.6,23:92S:0:04:67.0W:0.04, h196km, 6km, n145, e118/165, mb4.0/11, 12C-1D, Jujuy Province

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

Table with columns: MAHB, MAHB, MSL, MSL, BHD, BHD, ILBA, KCHF, IBDR, IBDR, IBDR, IBDR, IKOM, IHSB, HSAM. Includes station names, coordinates, and various codes.

IDC 11 11:12:28.0,1.3,51:73N:75:52E, h0km, mbtmp2.6/3, ML2.1/3, Error ellipse: s-maj=31.5km s-min=9.9km az=29.0

NMC 11 11:12:28.7,0.8,51:63N:75:42E, h0km, mb3.2, mpv2.8, Error ellipse: s-maj=11.3km s-min=5.3km az=13.0, Suspected Mining explosion.

ISC 11 11:12:28.7,1.5,51:7N:0:1x75:45E:0.10, h0km, n12, e043/8, 4C-6D, Eastern Kazakhstan

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

IDC 11 11:14:37.3,0.8,23:52N:120:70E, h0km, mb3.7/8, mbtmp3.8/10, ML3.2, MS3.5/9, Error ellipse: s-maj=28.0km s-min=17.2km az=66.0

TAP 11 11:14:39.9,23:64N:120:71E, h15km, ML4.6, B, BUI 11 11:14:39.1,0.0,23:67N:120:68E, h9km, mb4.1/12, mb4.6/7, ML4.4/7, Ms4.3/12, Ms7.4/13

ASIES 11 11:14:39.9,23:64N:120:71E, h15km, ML4.6, Mw4.3, Moment Tensor Solution. Moment tensor: Scale 10^22Nm; Mn=-0.91; Mw=2.08; Ms=-1.17; Ms=0.80; Ms=2.70; Mw=1.95; Fault plane solution: Ms3.87081x10^22 NP1: 3.93, 58000, 689, 98000, -1, 27, 82000, NP2: 79, 82000, 663, 99000, -1, 157, 61000. Principal axes: T: P1g3.9000, Azm: 30, 7640; N: P1g5.1980, Azm: 126, 6090; P: P1g3.5100, Azm: 298, 1780.

NIED 11 11:14:40.0,23:66N:120:66E, h15km, Mw4.5, Moment Tensor Solution. s3 Moment tensor: Scale 10^19Nm; Mn:2.19; Mw:4.07; Ms:1.89; Mw:0.01; Ms:4.89; Ms:1.66; Fault plane solution: Ms6.11000x10^15 NP1: 3.41, 00000, 876, 00000, -1, 158, 00000. NP2: 67, 00000, 869, 00000, -1, 15, 00000.

NEIC 11 11:14:40.1, 1.9, 23:63N:120:76E:0.05, h20km, 5km, mb4.6/11, Error ellipse: s-maj=8.5km s-min=6.6km az=155.0

JMA 11 11:14:40.0, 0.2, 23:7N:0:3, 120:7E:0.5, h15km, 2km, MW4.2/16, TAIWAN REGION

ISC 11 11:14:40.6, 0.6, 23:64N:0:01:120:69E:0:01, h19km, 1km, n241, e133/346, mb4.2/14, MS3.5/5Z-20D, Taiwan

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

TYC	baz=200	Yuchr	0.31	29	↑P	Pg	11 14 47.1	-0.2
TYC	baz=29				i S	Sb	11 14 52.3	+0.2
SMLT	baz=29	Sun Moon Lake	0.31	38	↑P	Pg	11 14 47.2	-0.3
SMLT	baz=37				S	Sb	11 14 52.8	+0.4
TPUB	baz=37	Ta-pu	0.34	190	Pg	Pg	11 14 47.5	-0.4
TPUB	baz=192	Ta-pu	0.34	190	↑P	Pg	11 14 47.7	-0.2
TPUB	baz=192	Ta-pu	0.34	190	↑P	Pg	11 14 47.5	-0.4
WYL	baz=192	Yuanlin Townsh	0.34	343	↑P	Pb	11 14 47.9	-0.3
WYL	baz=340				i S	Sb	11 14 53.6	+0.4
WRL	baz=340	Guolierlin Hig	0.39	313	↑P	Pg	11 14 48.7	-0.1
WRL	baz=311				eS	Sb	11 14 55.4	+0.6
WTP	baz=311	Ta-pu	0.39	190	↑P	Pg	11 14 48.5	-0.4
WTP	baz=192				eS	Sb	11 14 54.6	-0.2
RLNB	baz=192	Erin	0.40	310	i P	Pg	11 14 48.6	-0.3
RLNB	baz=308				i S	Sb	11 14 55.1	+0.3
WWF	baz=308	Wufeng	0.41	1	↑P	Pb	11 14 49.1	-0.2
WWF	baz=358				S	Sb	11 14 55.5	+0.4
TWK	baz=358	Hsinying	0.41	207	↑P	Pg	11 14 49.0	-0.2
TWK	baz=207				S	Sb	11 14 55.8	+0.5
VWDT	baz=207	VWDT	0.43	74	↑P	Pg	11 14 49.4	-0.1
VWDT	baz=73				S	Sg	11 14 55.2	-0.2
WSF	baz=73	Szhu	0.43	271	↑P	Pg	11 14 49.2	-0.3
WSF	baz=270				i S	Sb	11 14 56.3	+0.5
WSL	baz=270	Shuilin Townsh	0.44	255	P	Pb	11 14 49.8	0.0
WSL	baz=267				eS	Sb	11 14 57.2	+1.2
WTCT	baz=267	Ta-ch'eng	0.44	301	↑P	Pg	11 14 49.2	-0.4
WTCT	baz=300				S	Sb	11 14 56.4	+0.3
WPL	baz=300	Puli Township	0.45	33	↑P	Pg	11 14 49.2	-0.6
SNST	baz=44	Tainan City	0.45	203	↑P	Pg	11 14 49.6	-0.2
SNST	baz=205				eS	Sb	11 14 57.3	+1.0
DPDB	baz=205	Guoxing	0.45	28	↑P	Pg	11 14 49.5	-0.4
DPDB	baz=38				eS	Sg	11 14 56.1	0.0
WCHH	baz=38	Zhanghua	0.46	345	↑P	Pb	11 14 50.1	-0.1
WCHH	baz=342				S	Sb	11 14 57.2	+0.6
WMLT	baz=342	Mailiao	0.46	292	e P	Pb	11 14 49.7	-0.4
WMLT	baz=291				eS	Sb	11 14 57.2	+0.6
WCS	baz=291	Beigang Elemen	0.47	26	↑P	Pg	11 14 49.8	-0.4
WCS	baz=35				S	Sb	11 14 56.6	-0.2
ICHU	baz=35	Yijhu	0.47	234	↑P	Pb	11 14 50.3	+0.1
ICHU	baz=236				eS	Sn	11 14 58.4	-1.6
STYH	baz=236	Taoyuan	0.47	170	↑P	Pg	11 14 49.7	-0.5
STYH	baz=167				S	Sb	11 14 56.6	-0.2
CHN1	baz=167	Nanshi	0.47	199	↑P	Pg	11 14 50.0	-0.3
CHN1	baz=201				i S	Sb	11 14 58.0	+1.0
STYT	baz=201	Tauyuan	0.47	173	↑P	Pg	11 14 50.1	-0.2
STYT	baz=168				eS	Sb	11 14 57.3	+0.3
TCU	baz=168	Taichung	0.51	358	e P	Pb	11 14 51.0	-0.1
TCU	baz=357				eS	Sb	11 14 58.6	+0.7
CHN8	baz=357	Yiju	0.53	237	↑P	Pb	11 14 51.1	-0.1
CHN8	baz=238				eS	Sn	11 15 00.2	-1.2
WUSB	baz=238	Renai	0.53	48	↑P	Pg	11 14 50.7	-0.6
WUSB	baz=46				S	Sg	11 14 57.6	-0.9
ELDTW	baz=46	Lidau	0.54	146	↑P	Pg	11 14 51.1	-0.3
ELDTW	baz=147				S	Sg	11 14 58.5	-0.2
OWD	baz=147	Renai	0.55	54	↑P	Pb	11 14 51.3	-0.3
OWD	baz=53				S	Sg	11 14 58.8	-0.3
SGST	baz=53	Jiashian	0.56	190	↑P	Pb	11 14 50.8	-1.0
SGST	baz=191				S	Sg	11 15 00.0	+0.6
EHY	baz=191	Hungye	0.59	102	↑P	Pg	11 14 52.3	-0.1
EHY	baz=91				i S	Sg	11 15 00.7	+0.3
YULB	baz=91	Yu-li	0.61	113	P	Pb	11 14 52.1	-0.4
YULB	baz=113				P	Pg	11 14 52.7	0.0
YULB	baz=114				P	Pb	11 14 52.3	-0.2
YULB	baz=114				i S	Sg	11 15 00.7	-0.1
CHGB	baz=114	Renai	0.61	46	↑P	Pb	11 14 52.3	-0.4
CHGB	baz=45				i S	Sb	11 15 00.2	-0.8
SSHA	baz=45	Shanhua	0.62	217	↑P	Pg	11 14 53.3	+0.4
SSHA	baz=218				eS	Sn	11 15 03.4	-0.4
TWF1	baz=218	Yuli	0.62	117	↑P	Pb	11 14 52.8	0.0
TWF1	baz=118				i S	Sg	11 15 01.4	0.0
CHN3	baz=118	Shinhua	0.63	208	↑P	Pn	11 14 53.8	-0.8
CHN3	baz=221				eS	Sn	11 15 04.3	+0.2
SLGT	baz=221	Lugui	0.64	184	↑P	Pg	11 14 53.3	0.0
SLGT	baz=174				eS	Pg	11 15 02.3	+0.4
WARBT	baz=174	Fenglin Townsh	0.64	82	↑P	Pb	11 14 52.9	-0.3
WARBT	baz=82				eS	Sb	11 15 01.1	-0.6
EYUL	baz=82	Yuli	0.64	116	↑P	Pb	11 14 53.1	0.0
EYUL	baz=117				i S	Sg	11 15 02.3	+0.3
SCLT	baz=117	Jiali	0.65	225	↑P	Pg	11 14 53.5	0.0
SCLT	baz=226				eS	Sn	11 15 04.5	+0.1
EGFH	baz=226	Guangfu	0.68	87	e P	Pb	11 14 53.6	-0.1
EGFH	baz=87				eS	Sb	11 15 02.4	-0.2
WHP	baz=87	Taichung City	0.68	20	↑P	Pb	11 14 53.7	-0.1
WHP	baz=19				eS	Sg	11 15 03.5	+0.3
HGSD	baz=19	Ruisui	0.69	102	↑P	Pg	11 14 54.4	+0.2

HGSD	baz=95				S	Sg	11 15 03.5	+0.1
SHHT	baz=95	Tainan City	0.69	207	e P	Pn	11 14 54.7	-0.6
ESL	baz=208	Shin	0.70	75	↑P	Pb	11 14 54.0	-0.2
ESL	baz=88				eS	Sb	11 15 03.4	-0.1
FULB	baz=88	Fuli	0.70	128	↑P	Pg	11 14 54.7	+0.2
FULB	baz=138				eS	Sg	11 15 04.7	+0.8
WDJ	baz=138	Dajig District	0.71	356	↑P	Pg	11 14 54.7	+0.1
WDJ	baz=355				S	Sn	11 15 05.1	-1.0
TWQ1	baz=355	Liyutan	0.71	6	↑P	Pg	11 14 54.6	-0.1
TWQ1	baz=5.0				i S	Sg	11 15 04.9	+0.6
ECS	baz=5.0	Chishang	0.72	138	e P	Pg	11 14 54.8	-0.1
ECS	baz=139				eS	Sg	11 15 04.9	+0.4
TAI1	baz=139	Yung-k'ang	0.73	216	↑P	Pg	11 14 55.1	+0.2
TAI1	baz=216				eS	Sn	11 15 07.3	+0.8
WHF	baz=216	Hehuan Shan	0.73	46	e P	Pb	11 14 54.8	-0.2
WHF	baz=55				eS	Sb	11 15 03.9	-0.9
TSCK	baz=55	Chigu Township	0.74	229	e P	Pb	11 14 54.8	0.0
TSCK	baz=243				eS	Sn	11 15 06.6	-0.1
TDCB	baz=243	Techi	0.75	35	↑P	Pb	11 14 54.4	-0.8
TDCB	baz=42				eS	Sb	11 15 04.2	-0.8
LXIB	baz=42	Xiulin Townshi	0.77	60	↑P	Pb	11 14 55.0	-0.4
LXIB	baz=49				S	Sb	11 15 05.1	-0.4
ECBN	baz=49	Changbin	0.77	114	e P	Pn	11 14 56.1	-0.2
ECBN	baz=115				eS	Sn	11 15 08.1	+0.7
SCST	baz=115	Gishan	0.77	194	e P	Pn	11 14 56.0	-0.4
SCST	baz=195				eS	Sn	11 15 07.8	+0.4
TEGC	baz=195	Jicli Village	0.78	84	e P	Pg	11 14 56.1	+0.2
TEGC	baz=84				eS	Sn	11 15 07.1	-0.7
TAI	baz=84	Tainan	0.78	216	e P	Pg	11 14 56.1	+0.2
TAI	baz=216				eS	Sn	11 15 08.0	+0.2
FUSS	baz=216	Fushou	0.79	40	↑P	Pb	11 14 55.0	-0.9
FUSS	baz=39				eS	Pb	11 14 55.7	-0.3
ETM	baz=39	Tongmen	0.80	66	↑P	Pb	11 14 55.7	-0.3
CHKT	baz=66	Chengkung	0.82	131	P	Pn	11 14 56.9	-0.2
CHKT	baz=139				eS	Sn	11 15 08.9	+0.3
LONT	baz=139	Longtian	0.83	151	↑P	Pb	11 14 56.4	0.0
LONT	baz=145				i S	Sg	11 15 08.1	+0.3
TWMT	baz=145	Shoushan	0.84	197	e P	Pn	11 14 58.2	+0.7
EDH	baz=145	Donghe	0.87	139	e P	Pg	11 14 57.5	-0.1
EDH	baz=148				eS	Sn	11 15 10.4	+0.5
TWG	baz=148	Pinlang	0.88	157	↑P	Pb	11 14 57.3	0.0
TWG	baz=158				↑P	Pb	11 14 57.3	0.0
TWG	baz=158				i S	Sn	11 15 09.9	-0.3
SSD	baz=158	Sandimen	0.89	184	↑P	Pb	11 14 57.3	-0.1
SSD	baz=178				S	Sg	11 15 09.5	-0.2
TWGBT	baz=178	Beinan	0.89	156	P	Pb	11 14 57.4	0.0
TWGBT	baz=158	Beinan	0.89	156	↑P	Pb	11 14 57.3	-0.1
TWGBT	baz=158				i S	Sg	11 15 09.7	0.0
HWA	baz=158	Hwaiin	0.90	68	↑P	Pg	11 14 58.1	-0.1
HWA	baz=76				S	Sn	11 15 10.7	-0.1
NMLH	baz=76	Miaoili	0.90	6	e P	Pg	11 14 57.9	-0.3
NMLH	baz=353				eS	Sn	11 15 10.4	-0.4
ETLH	baz=353	Xiulin Townshi	0.92	52	e P	Pb	11 14 57.3	-0.7
SGLT	baz=44	Jiouai	0.92	192	e P	Pg	11 14 58.8	+0.2
TSMG	baz=192	Majia	0.93	183	e P	Pb	11 14 58.2	+0.1
SNJT	baz=174	Kaohsiung City	0.94	201	e P	Pg	11 14 59.4	+0.6
TWD	baz=217	Chiawan	0.94	62	P	Pb	11 14 58.2	-0.1
TWD	baz=61				eS	Sb	11 15 09.9	-0.4
TSPT	baz=61	Pingtung City	0.97	191	e P	Pg	11 15 00.1	+0.7
TTN	baz=192	Taitung	0.97	154	e P	Pg	11 14 59.3	-0.2
NACB	baz=155	Ninganchiao	0.99	57	P	Pb	11 14 58.4	-0.8
NACB	baz=56	Ninganchiao	0.99	57	P	Pb	11 14 58.6	-0.5
NACB	baz=56	Ninganchiao	0.99	57	↑P	Pb	11 14 58.3	-0.8
NACB	baz=56				S	Sb	11 15 10.7	-1.0
ETL	baz=56	Fush Village	1.00	58	e P	Pb	11 14 58.9	-0.4
NNSB	baz=58	Datong	1.01	39	↑P	Pb	11 14 58.9	-0.7
NNSB	baz=45				S	Sb	11 15 12.3	-0.2
NNSH	baz=45	Datong	1.01	39	e P	Pb	11 14 59.0	-0.6
NNSH	baz=45	Nan Shan	1.01	38	e P	Pb	11 14 59.1	-0.5
WNGT	baz=249	Dungji	1.02	249	e P	Pb	11 14 58.7	-0.9
WDGT	baz=249	Mashbuluo	1.02	183	↑P	Pb	11 15 12.3	-0.3
MASBT	baz=184	Mashbuluo	1.02	183	↑P	Pb	11 14 59.6	-0.1
MASBT	baz=184				eS	Sg	11 15 13.7	-0.2
NSTT	baz=184	Nanjung	1.03	16	↑P	Pb	11 14 59.8	-0.1
NSTT	baz=15				S	Sb	11 15 13.3	+0.3
PHUB	baz=15	P'eng-hu	1.03	264	e P	Pb	11 14 58.4	-1.5

Table with columns: DXSP, Location, Time, Az, El, P, S, Res, and various station identifiers like LYJJ, JKRS, etc.

Table with columns: ILAR, Station Name, Time, Az, El, P, S, Res, and various station identifiers like Eielson Array, Burnt Mountain, etc.

Table with columns: M17K, Station Name, Time, Az, El, P, S, Res, and various station identifiers like Holitna River, Ohwah River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include INK, RES, FINES, KBZ, NVAR, NOA, BRTR, MMAI, CLL, TXAR.

ADC 11:11:41.19.3.0.8.16N.104.01W, h0km, mb3.6/4, mbtm3.7/4, MS3.5/13, Error ellipse: s-maj=125.1km s-min=30.1km az=60, Northern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CMIG, JTS, TEIG, TXAR, ANMO, PFO, ATAH, SDV, TKL, PDAR, SJG, LPAZ, LVC, H03N2, H03N1, H03N3, SIV, ILAR.

NNC 11:11:40.58.6.7.4.36.99N.69.92E, h0km, mb3.6, mpv3.1, Error ellipse: s-maj=78.6km s-min=74.3km az=30.0

SOME 11:11:41.24.9.39.12N.70.85E, h5km, Error ellipse: s-maj=15.3km s-min=9.7km az=169.0

ISC 11:11:41.16.3.6.5.38.7N.0.4.70.9E.0.1, h10km, n6, #083/5, 1C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include IUG, AML, KK31, MRKS, BTLS, BTLS, AB31.

KNET 11:11:46.42.8.0.7.43.34N.74.63E, h7km, m1.4, Error ellipse: s-maj=5.3km s-min=2.1km az=177.0

SOME 11:11:46.43.1.43.43N.74.57E, h0km, mb3.1, mpv2.9, Error ellipse: s-maj=2.6km s-min=2.1km az=113.0

ISC 11:11:46.42.5.0.8.43.39N.0.03.74.54E.0.02, h0km, n22, #069/40, 12C-7D, Central Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include USP, CHMS, AAK, KBK, KRBS, TKM2, TKM2, DGS, DGS, EKS2, EKS2, KST, KST, MRKS, MRKS.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AML, AML, KUU, MTBS, MTBS, KTBS, BTLS, BTLS, TNSS, TNSS, CHKK, CHKK, MDOK, MDOK, KK31, KK31.

MOS 11:11:50.44.4.0.9.52.25N.171.10W, h33km, mb5.1/71, Error ellipse: s-maj=8.1km s-min=5.1km az=94.8

AEIC 11:11:50.45.3.3.2.52.07N.0.10.170.99W.0.07, h26km, 4km, Error ellipse: s-maj=14.6km s-min=4.6km az=160.0

BUL 11:11:50.46.8.0.0.52.59N.171.48W, h41km, mb4.9/51, mb5.4/7, Ms4.8/6, Ms7.4/6

ISC 11:11:50.47.0.1.7.52.23N.171.03W, h42km, 13km, mb4.3/29, Error ellipse: s-maj=15.3km s-min=9.7km az=169.0

GCMT 11:11:50.46.3.0.3.51.98N.0.03.170.85W.0.04, h35km, 1km, MW5.1/77, Moment Tensor Solution. s47.c54; s77.c93;

NEIC 11:11:50.48.4.2.6.52.19N.0.08.170.99W.0.07, h52km, 6km, mb4.6/186, ML4.7/8, ML4.7(AEIC) Error ellipse: s-maj=12.8km s-min=5.2km az=159.0

ISC 11:11:50.46.9.0.6.52.14N.0.07.171.03W.0.03, h46km, 3km, h46km, #P-P. n911, #i951/866, mb4.7/187, MS4.1/48, 3C-10D, Fox Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CLES, CLES, CLCO, CLCO, NIKH, NIKH, KOSE, KOSE, KOPF, KOPF, ATKA, ATKA, KOKL, KOKL, OKWR, OKWR, OKKC, OKKC, OKWC, OKWC, OKER, OKER, OKFG, OKFG, MAPS, MAPS, MGOD, MGOD, GSTR, GSTR, GSTR, GSTR, MSW, MSW, MNAT, MNAT, GSKC, GSKC, MTBL, MTBL, UNV, UNV, UNV, UNV, ADK, ADK, ADK, ADK.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ADK, AKB, ZRO, LVA, AKV, AKBBA, AKBBA, AKLV, AKLV, AKGG, AKGG, AHB, AHB, AKUT, AKUT, AKUT, AKUT, AKS, AKS, KIWB, KIWB, KIMD, KIMD, TAFP, TAFP, WESP, WESP, WEBT, WEBT, GANE, GANE, SPIA, SPIA, SPIA, SPIA, ISLZ, ISLZ, FALS, FALS, AMKA, AMKA, SDPT, SDPT, SDPT, SDPT, VNKR, VNKR, S14K, S14K, VNGF, VNGF, CHGN, CHGN, M11K, M11K, M11K, M11K, AZAC, AZAC, O14K, O14K, O14K, O14K, SHEM, SHEM, SHEM, SHEM, M13K, M13K, M13K, M13K, N14K, N14K, N14K, N14K, O15K, O15K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include O15K, CHIR, CHIR, M14K, M14K, R17K, R17K, N15K, N15K, P16K, L14K, L14K, M15K, K13K, K13K, O16K, O16K, Q16K, N16K, P17K, L15K, O17K, M16K, Q18K, J14K, J14K, N17K, N17K, K15K, K15K, L16K, L16K, P18K, P18K, GAMB, GAMB, O18K, O18K, M17K, M17K, Q19K, Q19K, O19K, O19K, KDAK, KDAK, KDAK, KDAK, KDAK, L17K, SYI, J16K, P19K, M18K, N19K, N19K, K17K, K17K, L18K, L18K, ANM, O20K, M19K, M19K, L19K, L19K, CNPM, H16K, G15K, TTA, TTA, TTA, TTA, BRLL, F14K, J18K, J18K, BRSE, M20K, M20K, F15K, G16K, H17K, J19K, J19K, K20K, SEW, G17K, SKT, O22K, H18K, GCSA, RC01, PPLA, J20K, CAST, CAST, CAST, CUT, G18K, F17K.

11d 11h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Palmer, Port Wells, Lake Minchumina, etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like ILAR, POKR, MCARA, etc.

740

Table with columns for station name, frequency, power, and other technical details. Includes stations like C23K, M29M, E25K, etc.

741

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Dawson Inlet, Satah River, Ketchikan, etc.

2017 NOV

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like NVAR, MDPB, OMMB, MDJ, etc.

11d 11h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like North Greenlan, Isco, Petrifred Fore, etc.

11d 12h

Table with columns: Station Name, Azimuth, Amplitude, Phase, Station Name, Azimuth, Amplitude, Phase. Includes stations like WCHH Zhonghua, WCS Beigang Elemen, WCS, STYH Taoyuan, etc.

2017 NOV

Table with columns: Station Name, Azimuth, Amplitude, Phase, Station Name, Azimuth, Amplitude, Phase. Includes stations like CHKT, LONT Longtian, LONT, TWM1 Shoushan, etc.

744

Table with columns: Station Name, Azimuth, Amplitude, Phase, Station Name, Azimuth, Amplitude, Phase. Includes stations like TATO Taipei, E0S4 E0S4, TWA Mucha, etc.

Technical notes and data for stations: IDC 11 12:22:51.5i:0.5, 23:60N:120:79E, h0km, mb4.2/21, mbmp4.3/26, ML4.1/5, MS4.2/50, Error ellipse: s-maj=15.4km s-min=12.7km az=60.0, Bull 11 12:22:52.7i:0.0, 23:65N:120:70E, h20km, mb4.5/64, mb5.2/41, ML5.2/12, Ms5.0/72, Ms7.4/8/67, TAP 11 12:22:53.5, 23:64N:120:71E, h15km, ML5.2, B, ASI/ES Moment tensor solution: Moment tensor: Scale 10^23Nm, M1-1.7; M2-0.84; M3-0.87; M4-0.36; M5-1.14; M6-1.09; Fault plane solution: M2:0.1032x10^23 NP1: 0.333, 69000, 865, 34000, -35, 23000. NP2: 80, 10000, 58, 38000, -150, 67000. Principal axes: T Plg4.3460, Azm28.2880; N Plg47.9350; Azm123.1180; P Plg41.7340; Azm294.4010; NEIC 11 12:22:54.0i:0.9, 23:65N:120:69E, h16km, 3km, mb4.6/38, Mw4.9/21 Error ellipse: s-maj=5.1km s-min=0.8km az=50.0, Moment Tensor Solution, Moment tensor: Scale 10^19Nm, M1-0.76; M2-0.36; M3-1.11; M4-1.71; M5-1.41; Fault plane solution: M2: 67000x10^16 NP1: 340, 25000, 860, 08000, -27, 34000. NP2: 84, 71000, 866, 55000, -147, 06000. Principal axes: T 2.2559, Plg4, 0000, Azm211, 0000; N 0.6923, Plg50, 0000; Azm116, 0000; P -2.9482, Plg39, 0000; Azm305, 0000; GCMT 11 12:22:54.0i:0.3, 23:70N:120:65E, h22km, 1km, MW4.9/93, Moment Tensor Solution, s28, c30; s93, c131; Duration: 0 Moment tensor: Scale 10^19Nm; M1-1.43; 16; M2-1.82; 11; M3-0.38; 11; M4-0.00; 14; M5-2.03; 07; M6-1.43; 18; Best double couple: M2: 97000x10^16 NP1: 336, 00000, 868, 00000, -441, 00000; NP2: 84, 00000, 852, 00000, -152, 00000; Principal axes: T 3.1520, Plg10, 0000; Azm33, 0000; N -0.3630, Plg44, 0000; Azm133, 0000; P -2.7880, Plg44, 0000; Azm294, 0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function; NEIC 11 12:22:54.1i:0.2, 23:66N:120:69E, h16km, NIED 11 12:22:54.1, 23:66N:120:70E, h19km, MW4.9, Moment Tensor Solution, s3 Moment tensor: Scale 10^19Nm; M1-1.27; M2-2.00; M3-0.73; M4-0.86; M5-1.72; M6-0.41; Fault plane solution: M2: 23000x10^16 NP1: 71, 00000, 84, 00000, 169, 00000. NP2: 162, 00000, 879, 00000, 16, 00000; JMA 11 12:22:54.1i:0.2, 23:70N:120:70E, h19km, 2km, MD4.8/19, MW4.9/19, TAIWAN REGION; ISC 11 12:22:54.3i:0.5, 23:64N:120:71E, h17km, 3km, n398, c1940/526, mb4.6/50, MS4.2/53, 99C-45D, Taiwan; Code Station Name Az AZZ Phase ID Op ISC h m s Res; WKG Gukung 0.13 289 11P Pb 12 22 57.9 -0.4; WGT Waiwei 1.0 10 11P S 12 23 01.4 +0.3; WHYT Xinyi Township 0.15 70 11P Pb 12 22 58.0 -0.7; WHYT Waiwei 1.0 10 11P S 12 23 00.9 -0.8; WDLH Douli 0.15 287 11P Pb 12 22 58.5 -0.3; WDLH Douli 1.0 10 11P S 12 23 02.1 +0.4; ALS Alisan 0.16 144 11P Pb 12 22 58.5 -0.6; ALS Alisan 1.0 10 11P S 12 23 01.8 -0.5; WJS Zhushan 0.18 8 11P Pb 12 22 58.7 -0.5; WJS Zhushan 1.0 10 11P S 12 23 02.1 -0.4; WCKO Fanlu 0.22 203 11P Pb 12 22 59.1 -0.8; WCKO Fanlu 1.0 10 11P S 12 23 02.9 -0.8; CHN2 Minshiang 0.23 242 11P Pb 12 22 59.6 -0.4; CHN2 Minshiang 1.0 10 11P S 12 23 04.1 +0.1

WNT	Mingjian	0.23 356	iP	Pb	12 22 59.8	-0.3
WNT				Sb	12 23 04.1	+0.1
WNT1	Nantou City	0.26 356	iP	Pb	12 23 00.3	-0.3
WNT1			S	Sb	12 23 04.8	-0.1
SSLB	Suanglung	0.27 58		Pb	12 22 59.9	-0.9
SSLB			Sg	Sb	12 23 04.4	-0.8
SSLB	Suanglung	0.27 58	P	Pb	12 22 59.9	-0.9
SSLB	Suanglung	0.27 58	iP	Pb	12 22 59.9	-0.9
SSLB			iS	Sb	12 23 04.2	-1.0
WTK	Tuku	0.29 279	iP	Pb	12 23 00.7	-0.3
WTK			S	Sb	12 23 06.2	+0.7
CHY	Chiayi	0.29 240	iP	Pb	12 23 00.7	-0.4
CHY			eS	Sb	12 23 05.5	-0.1
TYC	Yuchr	0.30 29	iP	Pb	12 23 00.7	-0.5
TYC			S	Sb	12 23 05.8	-0.1
SMLT	Sun Moon Lake	0.30 38	iP	Pb	12 23 00.8	-0.5
CHN4	Tsaushan	0.31 199	iP	Pb	12 23 00.7	-0.7
CHN4			S	Sb	12 23 06.1	0.0
WYL	Yuanlin Townsh	0.33 341	iP	Pb	12 23 01.4	-0.4
WYL			S	Sb	12 23 07.2	+0.2
TPUB	Ta-pu	0.35 191		Pb	12 23 01.2	-0.9
TPUB			Sg	Pb	12 23 06.4	-0.9
TPUB	Ta-pu	0.35 191	P	Pb	12 22 59.9	-1.6
TPUB	Ta-pu	0.35 191	iP	Pb	12 23 01.2	-0.9
TPUB			S	Sg	12 23 06.2	-0.2
WRL	Guolierin Hig	0.39 311	iP	Pb	12 23 02.3	-0.5
WRL			S	Sb	12 23 08.9	+0.4
RLNB	Erlin	0.40 308	iP	Pb	12 23 02.3	-0.6
RLNB			iS	Sb	12 23 08.8	+0.1
WWF	Wufeng	0.40 360	iP	Pb	12 23 02.8	-0.1
WWF			iS	Sb	12 23 09.4	+0.7
WTP	Ta-pu	0.40 191	iP	Pg	12 23 02.1	-0.4
WTP			eS	Sb	12 23 08.2	-0.8
VWDT		0.42 75	iP	Pb	12 23 03.0	-0.2
VWDT			S	Sb	12 23 08.6	-0.7
TWK	Hsinying	0.42 207	iP	Pb	12 23 02.6	-0.7
TWK			iS	Sb	12 23 09.4	-0.1
WPL	Puli Township	0.44 33	iP	Pb	12 23 02.8	-0.7
WPL			iS	Sb	12 23 09.4	-0.4
WSF	Szhu	0.44 269	iP	Pb	12 23 02.8	-0.7
WSF			iS	Sb	12 23 10.0	+0.1
DPDB	Guoxing	0.44 28	iP	Pb	12 23 03.1	-0.6
WTCT	Ta-ch'eng	0.44 300	iP	Pb	12 23 02.9	-0.8
WTCT			S	Sb	12 23 10.1	+0.1
WSL	Shulin Townsh	0.45 255	iP	Pb	12 23 03.4	-0.4
WSL			iS	Sb	12 23 11.0	+0.8
WCHH	Zhanghua	0.45 343	iP	Pb	12 23 03.6	-0.2
WCHH			S	Sb	12 23 10.9	+0.6
WCS	Beigang Elemen	0.46 25	iP	Pb	12 23 03.4	-0.5
WCS			S	Sb	12 23 10.4	0.0
SNST	Tainan City	0.46 204	iP	Pb	12 23 03.3	-0.7
SNST			S	Sb	12 23 10.2	-0.4
WMLT	Mailiao	0.47 290	iP	Pb	12 23 03.3	-0.7
WMLT			S	Sb	12 23 10.7	0.0
STYH	Taoyuan	0.48 172	iP	Pg	12 23 03.3	-0.5
STYH			S	Sb	12 23 10.1	-0.9
ICHU	Yijhu	0.48 234	iP	Pb	12 23 03.9	-0.3
ICHU			S	Sn	12 23 12.2	-2.2
STYT	Taoyuan	0.48 174	iP	Pb	12 23 03.6	-0.7
STYT			S	Sb	12 23 10.5	-0.7
CHN1	Nanshi	0.48 199	iP	Pg	12 23 03.5	-0.4
CHN1			S	Sb	12 23 11.0	-0.2
TCU	Taichung	0.50 358	iP	Pb	12 23 04.6	-0.1
TCU			S	Sb	12 23 11.8	+0.1
WUSB	Renai	0.52 48	iP	Pb	12 23 04.3	-0.7
WUSB			S	Sb	12 23 11.4	-0.9
OWD	Renai	0.54 55	iP	Pb	12 23 04.8	-0.5
OWD			S	Sb	12 23 11.9	-0.9
CHN8	Yiju	0.54 237	P	Pb	12 23 04.7	-0.6
CHN8			eS	Sb	12 23 13.4	+0.7
ELDTW	Lidau	0.54 147	iP	Pb	12 23 04.7	-0.7
ELDTW			iS	Sb	12 23 12.3	-0.6
SGST	Jiashiao	0.57 191	eP	Pg	12 23 04.3	-1.3
SGST			eS	Sb	12 23 13.0	-0.7
EHY	Hungye	0.59 103	iP	Pb	12 23 06.0	-0.2
EHY			S	Sb	12 23 14.2	0.0
CHGB	Renai	0.60 46	iP	Pb	12 23 05.9	-0.6
CHGB			S	Sb	12 23 14.2	-0.6
YULB	Yu-li	0.60 114		Pb	12 23 05.8	-0.6
YULB			Sg	Pb	12 23 14.1	-0.5
YULB	Yu-li	0.60 114	P	Pb	12 23 06.0	-0.4
YULB	Yu-li	0.60 114	iP	Pb	12 23 05.9	-0.4
YULB			iS	Sb	12 23 14.2	-0.5
TWF1	Yuli	0.62 118	iP	Pb	12 23 06.4	-0.3
TWF1			S	Sb	12 23 14.9	-0.3
SSHA	Shanhua	0.63 217	iP	Pb	12 23 06.9	+0.1
SSHA			S	Sn	12 23 17.1	-1.1
WARBT	Fenglin Townsh	0.63 83	iP	Pb	12 23 06.4	-0.5

WARBT			iS	Sb	12 23 14.8	-0.7
EYUL	Yuli	0.64 117	iP	Pb	12 23 06.7	-0.3
EYUL			S	Sb	12 23 15.6	-0.1
CHN3	Shinhua	0.64 209	iP	Pn	12 23 07.4	-1.3
CHN3			eS	Sb	12 23 17.7	-0.8
SLGT	Liugu	0.65 184	iP	Pb	12 23 07.0	-0.2
SLGT			eS	Sb	12 23 16.5	+0.5
SCLT	Jiali	0.66 225	iP	Pb	12 23 07.0	-0.3
SCLT			S	Sn	12 23 18.1	-0.7
EGFH	Guangfu	0.67 88	iP	Pb	12 23 07.1	-0.4
EGFH			S	Sb	12 23 16.0	-0.5
WHP	Taichung City	0.67 20	iP	Pb	12 23 07.3	-0.3
WHP			S	Sb	12 23 17.1	+0.4
EHD	Haiduan	0.68 137	iP	Pg	12 23 06.6	-1.0
EHD			eS	Sg	12 23 15.8	-0.8
HGSD	Ruisui	0.68 103	iP	Pn	12 23 07.9	-1.3
HGSD			S	Sb	12 23 16.7	-0.2
ESL	Shilin	0.69 76	iP	Pb	12 23 07.7	-0.3
ESL			S	Sb	12 23 17.1	-0.2
SHHT	Tainan City	0.70 208	iP	Pn	12 23 08.3	-1.1
SHHT			iS	Sn	12 23 19.6	-0.2
FULB	Fuli	0.70 129	iP	Pn	12 23 08.4	-1.1
FULB			S	Sb	12 23 17.8	+0.2
WDJ	Dajia District	0.70 356	eP	Pn	12 23 08.4	-1.1
WDJ			S	Sn	12 23 18.6	-1.4
TWQ1	Liyutan	0.70 5	iP	Pn	12 23 08.2	-1.4
TWQ1			S	Sn	12 23 18.4	-1.7
WHF	Hehuan Shan	0.72 46	iP	Pb	12 23 08.3	-0.3
WHF			eS	Sb	12 23 18.2	-0.2
ECS	Chishang	0.72 139	iP	Pb	12 23 08.4	-0.1
ECS			eS	Sn	12 23 18.9	-1.7
TDCB	Techi	0.74 35	iP	Pb	12 23 07.9	-0.9
TDCB			eS	Sb	12 23 18.0	-0.7
TAI1	Yung-k'ang	0.74 216	iP	Pn	12 23 08.9	-1.1
TAI1			eS	Sn	12 23 20.5	-0.3
TWT	Tachien	0.75 36	iP	Pg	12 23 07.9	-1.0
TWT			S	Sg	12 23 17.9	-1.0
TSCK	Chigu Township	0.75 229	iP	Pg	12 23 08.4	-0.5
TSCK			eS	Sn	12 23 20.2	-0.9
LXIB	Xiulin Townshi	0.75 60	iP	Pb	12 23 08.6	-0.4
LXIB			eS	Sb	12 23 19.0	-0.2
ECBN	Changbin	0.76 115	iP	Pn	12 23 09.9	-0.4
ECBN			eS	Sn	12 23 20.1	-1.3
NSY	Sanyi	0.77 4	iP	Pn	12 23 09.6	-0.9
NSY			S	Sn	12 23 20.5	-1.3
TEGC	Jichi Village	0.77 85	iP	Pn	12 23 09.7	-0.7
TEGC			S	Sn	12 23 20.5	-1.2
SCST	Cishan	0.78 194	iP	Pn	12 23 09.6	-0.9
SCST			eS	Sn	12 23 22.6	+0.7
FUSS	Fushou	0.78 40	iP	Pg	12 23 08.7	-0.8
ETM	Tongmen	0.79 66	iP	Pg	12 23 09.2	-0.5
ETM			eS	Sg	12 23 19.5	-0.8
TAI	Tainan	0.79 216	iP	Pg	12 23 09.5	-0.2
TAI			eS	Sn	12 23 21.3	-0.9
CHKT	Chengkung	0.82 131	iP	Pn	12 23 10.4	-0.6
CHKT			eS	Sn	12 23 22.4	-0.4
LONT	Longtan	0.83 152	eP	Pg	12 23 10.0	-0.5
LONT			S	Sg	12 23 21.0	-0.5
TWMT	Shoushan	0.85 197	iP	Pn	12 23 11.4	-0.2
EDH	Donghe	0.87 140	iP	Pn	12 23 11.0	-0.7
EDH			eS	Sn	12 23 23.4	-0.7
TWG	Pinliang	0.89 157		Pg	12 23 10.9	-0.6
TWG			Sg	Sg	12 23 23.0	-0.3
TWG	Pinliang	0.89 157	iP	Pg	12 23 10.9	-0.6
TWG			eS	Sg	12 23 23.2	0.0
HWA	Hwalien	0.89 68	iP	Pn	12 23 11.6	-0.5
HWA			iS	Sn	12 23 23.6	-1.1
TWGBT	Beinan	0.89 157	P	Pb	12 23 10.8	-0.5
TWGBT	Beinan	0.89 157	iP	Pb	12 23 10.9	-0.5
TWGBT			iS	Sg	12 23 22.7	-0.7
NMLH	Miaoili	0.89 5	eP	Pn	12 23 11.4	-0.7
NMLH			S	Pn	12 23 24.1	-0.6
SSD	Sandimen	0.90 184	iP	Pb	12 23 10.9	-0.5
SSD			eS	Sg	12 23 23.0	-0.4
ETLH	Xiulin Townshi	0.91 52	iP	Pb	12 23 10.9	-0.7
ETLH			eS	Sg	12 23 23.2	-0.7
TWD	Chiawan	0.93 62	iP	Pg	12 23 11.4	-0.9
TWD			S	Sg	12 23 24.0	-0.6
SGLT	Jiouru	0.93 192	iP	Pn	12 23 12.7	0.0
SGLT			eP	Sn	12 23 27.8	+2.1
TSMG	Majia	0.94 183	eP	Pg	12 23 11.6	-0.8
TSMG			eS	Sn	12 23 24.7	-1.0
SNJT	Kaohsiung City	0.95 201	eP	Pn	12 23 12.5	-0.3
SNJT			eS	Sn	12 23 26.8	+0.8
NACB	Ninganchiao	0.97 57	Pg	Pb	12 23 11.9	-0.9
NACB	Ninganchiao	0.97 57	P	Pb	12 23 12.4	-0.8
NACB	Ninganchiao	0.97 57	iP	Pb	12 23 11.8	-0.9

NACB			S	Sg	12 23 25.1	-0.9
TTN	Taitung	0.98 155	eP	Pn	12 23 13.4	+0.1
TTN			eS	Sn	12 23 27.9	+1.2
TSPT	Pingtung City	0.98 191	eP	Pn	12 23 13.2	0.0
ETL	Fush Village	0.99 59	iP	Pb	12 23 12.3	-0.7
ETL			S	Sn	12 23 25.9	-1.2
NNSB	Datong	1.00 39	iP	Pb	12 23 12.3	-0.9
NNSB			eS	Sb	12 23 26.4	-1.1
NNSH	Datong	1.00 39	iP	Pb	12 23 12.4	-0.8
NNSH			eS	Sn	12 23 26.5	-1.1
NNS	Nan Shan	1.00 38	iP	Pb	12 23 12.5	-0.8
NNS			eS	Sn	12 23 26.8	-0.8
NSTT	Nanjuang	1.02 16	iP	Pg	12 23 13.2	-0.8
NSTT			S	Sn	12 23 27.5	-0.4
WDGT	Dungji	1.03 248	iP	Pb	12 23 12.2	-1.4
WDGT			S	Sb	12 23 25.9	-0.9
MASBT	Mashibuluo	1.03 183	iP	Pb	12 23 13.1	-0.6
MASBT			eS	Sg	12 23 27.2	-0.4
LIOB	Emei	1.04 16	iP	Pg	12 23 13.5	-0.9
LIOB			S	Sn	12 23 27.8	-0.5
PHUB	P'eng-hu	1.04 263	iP	Sb	12 23 12.3	-1.6
PHUB			S	Sb	12 23 25.7	-1.6
NJN	Zhunan	1.05 9	eP	Pg	12 23 13.7	-0.8
NJN			S	Sn	12 23 28.	

11d 12h

2017 NOV

Table with columns for station code, name, frequency, time, and signal strength. Includes stations like TWC Suao, NTY Taoyuan, ILA ilan, TATO Taipei, EOSA Mucha, TWA Mucha, TAP Taipei, NTC Toucheng, TWS1 Kuangyinshan, E0S2 E0S2, NHY Taipei, E0S3 E0S3, SMST Manzhou Townsh, HEN Hengchun, NTST Danshui, TIPB Shuangxi, YM01 YM01, TWK1 Hengchun, TWKBT Hengchun, ANP Anpu, NWF Wu-fen Shan, WFSB Wu-fen Shan, YM08 YM08, VVUC VVUC, LAY Lan-yu, NWRT Kuosheng, TNOU National Taiwan, TWB1 Santiao Chiao, SX11 Grass Mountain, TWY Chenhua, LYUB Lan-yu, PTMZ Houxiangcun, JYNG Yonagunijimaku, JYNG Yonagunijimaku, JYNG Yonagunijimaku, YOJ Yonagunijima, YOJ Yonagunijima, YOJ Yonagunijima, YOJ Yonagunijima, YOJ Yonagunijima, KNMB Chin-men Tao, QZH Quanzhou, PCYT Pengchayiu, MATB Ma-tsu, MSUT Lienchiang, ZPLA Ao Xicun, AXDP Jialang, IRIF Iriomote-Funau, HATJ Hateruma jima, MHZQ Yeshan, DSXP Dongshan, LYJJ Jianjiangzhen, JKRS Kuro-shima, JKRS Kuro-shima, JIJ Ishigaki jima, JIJ Ishigaki jima, KPSS Dashiiju, JISG Ishigakijimahi, JISG Ishigakijimahi, JISG Ishigakijimahi, JTJ Tarama, SJFX Yanhouchang, JIRB Irabujima, JIKM Ikemajima, JIMJ Miyako jima 2, JIMJ Miyako jima 2, JIMJ2 Miyako jima3, JMOG Gusukube, VDOS Pratas Island, HKPS Hong Kong Po S, HKPS Hong Kong Po S, HKPS Hong Kong Po S, GZH Guangzhou, GZH Guangzhou.

Table with columns for station code, name, frequency, time, and signal strength. Includes stations like GZH comp=N,2um,0.9s, SSE SheShan, SSE comp=N,240nm,1.1s, SSE comp=E,290nm,1.0s, SSE comp=N,2um,9.4s, JOW Kunigami, JOW Kunigami, JOW comp=E,4.0nm,0.3s, CNSH ChangSha, CNSH comp=E,1um,0.9s, CNSH comp=E,1um,0.9s, NJ2 Nanjing, NJ2 comp=E,32nm,0.5s, NJ2 comp=E,810nm,0.9s, NJ2 comp=E,400nm,0.6s, NJ2 comp=E,9um,6.6s, NJ2 comp=E,5um,4.7s, NJ2 comp=E,9um,5.7s, WHN Wuhan, WHN comp=E,74nm,0.6s, WHN comp=E,16um,10.6s, WHN comp=E,14um,8.4s, WHN comp=E,25um,10.3s, TGY Tagaytay City, GULI Guilin, GULI comp=E,20nm,0.9s, GULI comp=E,320nm,4.3s, GULI comp=E,830nm,1.3s, GULI comp=E,460nm,1.3s, GULI comp=E,9um,13.0s, GULI comp=E,2um,12.5s, GULI comp=E,8um,10.6s, GULI Minamidaito 2, GULI Minamidaito 2, GULI Qizhong, QIZ comp=E,4um,15.0s, QIZ comp=E,2um,17.2s, QIZ comp=E,2um,15.7s, JUNU Nakatsue, JUNU Nakatsue, LYN LuoYang, LYN comp=E,17nm,0.6s, LYN comp=E,340nm,4.7s, LYN comp=E,7um,9.3s, LYN comp=E,6um,9.4s, GYA Guiyang, GYA comp=E,46nm,0.8s, GYA comp=E,380nm,3.9s, GYA comp=E,2um,7.3s, GYA comp=E,5um,10.1s, GYA comp=E,6um,10.0s, XAN Xi'an, XAN comp=Z,62nm,1.0s, XAN comp=Z,400nm,5.2s, XAN comp=N,4um,12.7s, XAN comp=E,7um,9.8s, XAN comp=Z,9um,13.0s, HNS HongShan, HNS comp=Z,15nm,1.2s, HNS comp=Z,4um,11.4s, HNS comp=Z,3um,12.6s, HNS comp=Z,4um,13.1s, KSAR Wonju Array Be, KSAR Korea Array, KSAR comp=Z,0.4nm,0.3s, KSAR comp=Z,344nm,19.3s, KS19 Wonju Array Si, KS19 comp=Z,3.5nm,1.0s, JMN Monobe, JMN comp=Z,35nm,2.7s, TIV Taiyuan, TIV comp=N,6um,12.0s, TIV comp=E,5um,11.4s, TIV comp=Z,6um,13.2s, KMI Kunming, KMI comp=Z,24nm,1.2s, KMI comp=Z,1um,8.9s, KMI comp=Z,3um,8.4s, KMI comp=Z,1um,8.9s, KMI comp=Z,3um,12.4s, CD2 Chengdu, CD2 comp=Z,120nm,1.0s, CD2 comp=Z,4um,8.4s, CD2 comp=Z,3um,8.2s, BJT Baijiatua, BJT Beijing, BJI comp=Z,7.0nm,0.9s, BJI comp=Z,190nm,5.2s, BJI comp=Z,790nm,12.8s, BJI comp=Z,640nm,13.1s, DAV Davao City (W), PZH PanZhihua, PZH comp=Z,20nm,1.4s, PZH comp=Z,190nm,4.9s, PZH comp=Z,4um,13.3s, PZH comp=Z,3um,10.2s, PZH comp=Z,3um,12.3s, SNY Shenyang, SNY comp=Z,17nm,1.2s, SNY comp=Z,490nm,5.1s, SNY comp=Z,1um,7.6s, SNY comp=Z,490nm,7.8s, SNY comp=Z,1um,11.1s, INU Inuyama, MYLDM Lahad Datu, HHC Hu-ho-hao-te, HHC comp=Z,17nm,0.5s, HHC comp=Z,780nm,5.1s, HHC comp=Z,3um,18.9s, HHC comp=Z,8um,18.8s, HHC comp=Z,5um,18.3s, LZH Lanzhou, LZH comp=Z,72nm,1.2s, LZH comp=Z,610nm,4.1s, LZH comp=Z,2um,12.0s, LZH comp=Z,4um,11.7s, LZH comp=Z,5um,12.7s, BTO Baotou, BTO comp=Z,14nm,0.8s, BTO comp=Z,890nm,7.3s, BTO comp=Z,9um,10.0s, BTO comp=Z,6um,9.8s, CRAI Chiangrai, JHJ Hachijo jima, JCHJ Chichijima, JCHJ Chichijima, MJAR Matsushiro Arr, MJAR comp=Z,654nm,19.0s, TNCH TengChong, TNCH comp=Z,48nm,1.4s, TNCH comp=Z,340nm,3.7s, TNCH comp=Z,590nm,6.9s, TNCH comp=Z,2um,13.0s, TNCH comp=Z,2um,13.0s, CN2 Changchun, CN2 comp=Z,10.0nm,0.8s, CN2 comp=Z,100nm,3.0s, CN2 comp=Z,900nm,10.0s, CN2 comp=Z,2um,10.0s, CN2 comp=Z,2um,10.0s, XLT XilinHaoTe, XLT comp=Z,740nm,6.1s, XLT comp=Z,220nm,13.6s, XLT comp=Z,1um,10.6s, XLT comp=Z,2um,13.2s, CMAR Chiang Mai, CMAR Chiang Mai Arr, CMAR Chiang Mai, CMAR comp=Z,0.4nm,0.3s, CMAR comp=Z,487nm,21.5s, MDJ Mudanjiang, MDJ comp=Z,1um,5.3s, MDJ comp=Z,2um,15.7s.

Table with columns for station code, name, frequency, time, and signal strength. Includes stations like CD2 comp=Z,120nm,1.0s, BJT Baijiatua, BJT Beijing, BJI comp=Z,7.0nm,0.9s, DAV Davao City (W), PZH PanZhihua, SNY Shenyang, INU Inuyama, HHC Hu-ho-hao-te, BTO Baotou, CRAI Chiangrai, JHJ Hachijo jima, JCHJ Chichijima, MJAR Matsushiro Arr, TNCH TengChong, CN2 Changchun, XLT XilinHaoTe, CMAR Chiang Mai, MDJ Mudanjiang.

WHP	baz=18	eS	Sb	12 33 04.6	+0.3
ESL	baz=18	0.68 75 eP	Pb	12 32 55.7	+0.4
ESL	Shilin baz=75	eS	Pb	12 33 05.1	+0.4
SHHT	baz=75	0.70 209 eP	Pn	12 32 56.4	-0.7
WHF	baz=209	Hehuan Shan baz=55	Pb	12 32 56.3	+0.2
WHF	baz=55	Hehuan Shan baz=249	eS	12 33 04.9	-0.3
WHF	baz=249	Hehuan Shan baz=249	Pb	12 32 56.5	+0.3
WHF	baz=249	Techi baz=42	eS	12 33 04.8	-0.4
TDCB	baz=249	Tachien baz=44	Pg	12 32 56.0	0.0
TWT	baz=44	Tachien baz=253	Pg	12 32 55.9	-0.3
TWT	baz=253	Tachien baz=49	Pg	12 32 55.9	-0.2
LXIB	baz=49	Xiulin Townshi baz=55	Pg	12 32 56.3	+0.1
TSCK	baz=55	Chigu Township baz=245	Pg	12 32 56.3	-0.1
TSCK	baz=245	Chigu Township baz=245	eS	12 33 07.5	+0.7
SCST	baz=245	Cishan baz=185	Pn	12 32 57.8	-0.4
LONT	baz=185	Longtian baz=144	Pb	12 32 57.9	+0.1
LONT	baz=144	Longtian baz=144	eS	12 33 09.5	+0.7
EDH	baz=144	Donghe baz=150	Pn	12 32 59.3	0.0
EDH	baz=150	Donghe baz=150	Pg	12 32 59.0	+0.2
TWG	baz=150	Pinlang baz=158	Pg	12 32 59.0	+0.2
TWGBT	baz=158	Beinan baz=158	Pg	12 32 58.9	0.0
TWGBT	baz=158	Beinan baz=158	eS	12 33 11.2	+0.7
SSD	baz=158	Sandimen baz=185	Pg	12 32 59.2	+0.2
NMLH	baz=185	Miaoli baz=352	Pg	12 32 59.4	+0.3
NMLH	baz=352	Miaoli baz=352	eS	12 33 11.8	-0.8
TSMG	baz=352	Miaoli baz=175	Pg	12 32 59.9	+0.2
NSTT	baz=175	Nanjuang baz=14	Pg	12 33 01.3	-0.1
NSTT	baz=14	Nanjuang baz=14	eS	12 33 14.9	+0.2
MASBT	baz=14	Mashibuluo baz=185	Pg	12 33 01.5	0.0
LIOB	baz=185	Emei baz=14	Pg	12 33 01.6	-0.1
LIOB	baz=14	Emei baz=14	eS	12 33 15.9	-0.3
NFF	baz=14	Wufeng Townshi baz=8.0	Pb	12 33 01.8	+0.1
NFF	baz=8.0	Wufeng Townshi baz=8.0	eS	12 33 15.3	-0.1
ECL	baz=8.0	Taimali baz=161	Pg	12 33 02.2	0.0

TAP 11 12:32:42.8,24:45N:121:88E,h22km,ML2.3,B,Taiwan

Code	Station Name	Δ° AZ'	Op	Phase ID	Time	Res
					h m s	ISC
EWUT	Wuta baz=269	0.10 268	iP	Pb	12 32 47.1	+0.1
EWUT	Wuta baz=269		S	Sb	12 32 49.8	-0.1
ENA	Nanau baz=260	0.13 261	iP	Pb	12 32 47.4	-0.4
ENA	Nanau baz=260		S	Sb	12 32 50.4	-0.9
TWC	Suao baz=351	0.16 349	P	Pb	12 32 47.9	-0.2
TWC	Suao baz=351		S	Sb	12 32 51.0	-0.5
NDS	Dongshan baz=320	0.24 320	P	Pb	12 32 49.1	+0.3
NDS	Dongshan baz=320		S	Sb	12 32 53.2	+0.3
EOS2	EOS2 baz=91	0.32 95	eP	Pb	12 32 50.2	+0.4
EOS2	EOS2 baz=91		eS	Sb	12 32 55.9	+1.3
TWE	Neicheng baz=326	0.34 324	P	Pb	12 32 50.4	+0.3
TWE	Neicheng baz=326		S	Sb	12 32 55.5	+0.4
LATG	Datong baz=286	0.34 285	eP	Pb	12 32 50.6	+0.4
LATG	Datong baz=286		eS	Sb	12 32 55.9	+0.6
ILA	ilan baz=335	0.34 339	eP	Pb	12 32 50.6	+0.4
ILA	ilan baz=335		S	Sb	12 32 56.1	+0.8
ENTT	Nioudou baz=304	0.35 303	eP	Pb	12 32 50.8	+0.5
ENTT	Nioudou baz=304		eS	Sb	12 32 55.8	+0.3
NDT	Datong Townshi baz=295	0.37 295	eP	Pb	12 32 51.3	+0.6
NDT	Datong Townshi baz=295		eS	Sb	12 32 56.8	+0.6
ETL	Fush Village baz=220	0.37 220	eP	Pb	12 32 50.7	-0.1
NACB	Ninganchiao baz=226	0.38 224	eP	Pb	12 32 50.7	-0.1
NACB	Ninganchiao baz=226		eS	Sb	12 32 56.7	+0.4
FUSB	Fushanzhiwuyua baz=319	0.41 319	eP	Pb	12 32 51.9	+0.4
FUSB	Fushanzhiwuyua baz=319		eS	Sb	12 32 57.8	+0.4
EOS3	EOS3 baz=112	0.43 112	eP	Pb	12 32 52.0	+0.4
EOS3	EOS3 baz=112		eS	Sb	12 32 58.8	+1.3
ETLH	Xiulin Townshi baz=242	0.44 237	eP	Pb	12 32 51.6	-0.3
ETLH	Xiulin Townshi baz=242		eS	Sn	12 33 00.1	-1.1
TWD	Chiawan baz=218	0.45 216	eP	Pb	12 32 52.2	+0.2
NNSB	Datong baz=269	0.46 268	eP	Pb	12 32 52.6	+0.4
NNSB	Datong baz=269		eS	Sb	12 32 59.3	+0.6
NNS	Nan Shan baz=270	0.47 269	eP	Pb	12 32 52.7	+0.3
NNS	Nan Shan baz=270		eS	Sb	12 32 59.5	+0.6
NWLT	Wulai baz=314	0.48 313	eP	Pb	12 32 52.9	+0.3
NWLT	Wulai baz=314		eS	Sb	12 32 59.5	+0.3
EOS4	EOS4 baz=121	0.51 129	eP	Pb	12 32 52.8	-0.1
EOS4	EOS4 baz=121		eS	Sb	12 33 00.4	+0.6
YHNB	Yeheng baz=296	0.51 296	eP	Pb	12 32 53.6	+0.4
YHNB	Yeheng baz=296		eS	Sb	12 33 00.3	0.0
TIPB	Shuangxi baz=358	0.52 354	eP	Pb	12 32 53.6	+0.2
TIPB	Shuangxi baz=358		eS	Sb	12 33 00.5	-0.1
NSK	Sanguang baz=296	0.53 295	eP	Pb	12 32 53.8	+0.3
NSK	Sanguang baz=296		eS	Sb	12 33 01.0	+0.2
TWB1	Santiao Chiao baz=5.0	0.57 10	eS	Sb	12 33 01.9	+0.1

TAP 11 12:34:00.7,23:64N:120:70E,h14km,ML3.8,B ASIIES 11 12:34:00.7,23:64N:120:70E,h14km,ML3.8,Mw3.5, Moment Tensor Solution. Moment tensor: Scale 10²¹Nm;

Min-1.81; Mw0.24; Min-0.68; Mw-0.86; Mw-0.63; Fault plane solution: M₂ 11589x1021 NP130,94.30000°, δ54.44000°,λ-118.38000°. NP230,317.19000°, δ44.30000°,λ-56.39000°. Principal axes: T P1g5.4380°, Azm204.0380°; N P1g22.7430°, Azm111.7500°; P P1g66.5440°, Azm306.7120°;

ISC 11 12:34:00.9,0.8,23:64N,0.01x120.70E,0.01,h15km,5km, n163,e0548/255,51C-10D,Taiwan

Code	Station Name	Δ° AZ'	Op	Phase ID	Time	Res
					h m s	ISC
CHNS	Tsauling baz=213	0.05 205	iP	Pg	12 34 03.8	-0.1
CHNS	Tsauling baz=213		iS	Sg	12 34 05.9	+0.2
WKG	Guling baz=290	0.13 289	iP	Pb	12 34 04.9	-0.2
WKG	Guling baz=290		S	Sb	12 34 08.2	+0.3
WHYT	Xinyi Township baz=75	0.15 69	iP	Pb	12 34 05.1	-0.3
WHYT	Xinyi Township baz=75		iS	Sb	12 34 08.1	-0.3
WDLH	Douliu baz=287	0.16 287	P	Pb	12 34 05.4	0.0
WDLH	Douliu baz=287		eS	Sb	12 34 09.3	+0.8
ALS	Alishan baz=143	0.16 144	iP	Pb	12 34 05.7	-0.1
ALS	Alishan baz=143		iS	Sb	12 34 08.8	-0.2
WJS	Zhushan baz=6.0	0.18 8	iP	Pb	12 34 05.8	-0.2
WJS	Zhushan baz=6.0		S	Sb	12 34 09.3	0.0
WCKO	Fanlu baz=211	0.22 203	iP	Pb	12 34 06.3	-0.2
WCKO	Fanlu baz=211		iS	Sb	12 34 10.3	-0.1
CHN2	Minshiang baz=243	0.23 242	iP	Pb	12 34 06.8	+0.1
CHN2	Minshiang baz=243		iS	Sb	12 34 11.2	+0.5
WNT	Mingjian baz=358	0.23 356	iP	Pb	12 34 06.8	-0.1
WNT	Mingjian baz=358		S	Sb	12 34 11.1	+0.2
WNT1	Nantou City baz=355	0.26 356	eP	Pb	12 34 07.2	-0.1
WNT1	Nantou City baz=355		eS	Sb	12 34 11.8	+0.1
SSLB	Suanglung baz=57	0.27 58	P	Pb	12 34 07.1	-0.4
SSLB	Suanglung baz=57		Pb	Pb	12 34 07.1	-0.4
SSLB	Suanglung baz=57		iS	Sb	12 34 11.6	-0.4
WTK	Tuku baz=280	0.29 279	iP	Pb	12 34 07.7	0.0
WTK	Tuku baz=280		iS	Sb	12 34 13.2	+0.8
CHY	Chiayi baz=240	0.29 241	iP	Pb	12 34 07.8	0.0
CHY	Chiayi baz=240		eS	Sb	12 34 12.6	+0.2
TYC	Yucheng baz=29	0.30 29	iP	S	12 34 07.9	0.0
TYC	Yucheng baz=29		S	Sb	12 34 12.8	+0.2
SMLT	Sun Moon Lake baz=47	0.30 37	iP	Pb	12 34 07.9	-0.1
WYL	Yuanlin Townsh baz=341	0.34 341	P	Pb	12 34 08.6	+0.1
WYL	Yuanlin Townsh baz=341		iS	Sb	12 34 14.4	+0.7
TPUB	Ta-pu baz=184	0.35 191	P	Pb	12 34 08.5	-0.3
TPUB	Ta-pu baz=184		Pb	Pb	12 34 08.4	-0.3
TPUB	Ta-pu baz=184		eS	Sb	12 34 14.1	0.0
WRL	Guolierlin Hig baz=311	0.39 311	iP	Pb	12 34 09.4	-0.1
WRL	Guolierlin Hig baz=311		eS	Sb	12 34 15.9	+0.6
RLNB	Erin baz=309	0.40 309	iP	Pb	12 34 09.4	-0.2
RLNB	Erin baz=309		S	Sb	12 34 15.8	+0.3
WTP	Ta-pu baz=192	0.40 191	iP	Pb	12 34 09.4	-0.3
WTP	Ta-pu baz=192		S	Sb	12 34 15.9	+0.3
WVDT	WVDT baz=73	0.42 75	iP	Pb	12 34 10.2	+0.2
WVDT	WVDT baz=73		iS	Sb	12 34 16.4	+0.4
TWK	Hsinying baz=207	0.42 208	iP	Pb	12 34 09.8	-0.2
TWK	Hsinying baz=207		eS	Sb	12 34 16.9	+0.6
WPL	Puli Township baz=32	0.44 32	eP	Pb	12 34 10.1	-0.2
WSF	Szhu baz=270	0.44 270	iP	Pg	12 34 09.9	+0.3
WSF	Szhu baz=270		iS	Sb	12 34 17.0	+0.4
DPDB	Guoxing baz=27	0.44 28	iP	Pb	12 34 10.3	-0.1
WTCT	Ta-ch'eng baz=300	0.44 300	iP	Pg	12 34 10.0	+0.2
WTCT	Ta-ch'eng baz=300		S	Sb	12 34 16.9	+0.1
WSL	Shulin Townsh baz=255	0.45 255	iP	Pb	12 34 10.6	+0.1
WSL	Shulin Townsh baz=255		iS	Sb	12 34 18.0	+1.0
WCHH	Beigang baz=343	0.46 343	iP	Pb	12 34 10.7	+0.2
WCHH	Beigang baz=343		S	Sb	12 34 17.9	+0.7
WCS	Beigang Elemen baz=23	0.46 25	iP	Pb	12 34 10.5	-0.1
WCS	Beigang Elemen baz=23		eS	Sb	12 34 17.3	+0.1
SNST	Tain City baz=206	0.46 204	iP	Pb	12 34 10.5	-0.1
SNST	Tain City baz=206		S	Sb	12 34 17.5	+0.3
WMLT	Malliao baz=291	0.47 290	P	Pb	12 34 10.7	-0.1
WMLT	Malliao baz=291		S	Sb	12 34 17.8	+0.3
STYH	Taoyuan baz=168	0.47 172	iP	Pb	12 34 10.6	-0.3
STYH	Taoyuan baz=168		S	Sb	12 34 17.5	-0.2
ICHU	Yijhu baz=235	0.48 234	iP	Pb	12 34 11.1	+0.2
ICHU	Yijhu baz=235		eS	Sb	12 34 19.2	+1.4
STYT	Tauyuan baz=169	0.48 174	iP	Pb	12 34 10.9	-0.1
STYT	Tauyuan baz=169		iS	Sb	12 34 17.8	-0.1
CHN1	Nanshi baz=201	0.48 199	iP	Pb	12 34 10.8	-0.3
CHN1	Nanshi baz=201		S	Sb	12 34 18.7	+0.8
TCU	Taichung baz=358	0.50 357	iP	Pb	12 34 11.7	+0.2
TCU	Taichung baz=358		eS	Sb	12 34 19.0	+0.4
WUSB	Renai baz=45	0.52 48	iP	Sg	12 34 11.5	-0.2
WUSB	Renai baz=45		iS	Sg	12 34 18.4	+0.3
OWD	Renai baz=52	0.54 54	iP	Pb	12 34 12.1	+0.1
OWD	Renai baz=52		eS	Sb	12 34 20.2	+0.6
CHN8	Yiju baz=237	0.54 237	iP	Pb	12 34 12.0	+0.1
CHN8	Yiju baz=237		S	Pb	12 34 20.7	+1.2
ELDTW	Lidau baz=148	0.54 147	iP	Pb	12 34 12.0	0.0
ELDTW	Lidau baz=148		S	Pb	12 34 19.4	-0.2
SGST	Jiashian baz=148	0.57 191	iP	Pg	12 34 11.5	-0.5

SGST	baz=192	S	Sb	12 34 20.8	+0.4	
EHY	baz=192	0.59 103	P	Pb	12 34 13.2	+0.4
EHY	Hungye baz=91	S	Pb	12 34 21.4	+0.5	
CHGB	baz=91	0.60 46	iP	Pb	12 34 13.0	-0.2
CHGB	Renai baz=45	S	Sg	12 34 20.8	0.0	
YULB	baz=45	0.60 114	P	Pb	12 34 13.2	+0.1
YULB	Yu-i baz=114	0.60 114	iP	Pb	12 34 13.2	+0.1
YULB	Yu-i baz=114		iS	Sb	12 34 21.4	+0.1
TWF1	baz=114	0.62 118	iP	Pb	12 34 13.8	+0.5
TWF1	Yuli baz=118		S	Sb	12 34 22.0	+0.1
SSHA	baz=118	0.63 217	iP	Pb	12 34 14.2	+0.6
SSHA	Shanhua baz=218	eS	Sn	12 34 24.7	-0.3	
WARBT	baz=21					

11d 13h

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NNSB, NNSH, NNS, NNSB, NNSB, NNSB, etc.

2019 NOV

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, and other parameters. Includes stations like AXDP, MHZO, DSXP, LYJJ, XPSS, SXFK, etc.

750

Table with columns: Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, and other parameters. Includes stations like G003, ACOS, LCO, SIV, etc.

explosion
DNK 11 13:14:23.0.4.0.3.67:19N:20:69E, h0km, ML2.7(UPP),
Suspected explosion
UPP 11 13:14:23.0.0.1.67:19N:20:69E, h0km, ML2.7, Confirmed
Induced event
ISC 11 13:14:22.5.0.9.67:19N:0:02:20.73E:0.03, h0km, n28,
c0589/37, Sweden

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like DUNU, RATU, KUA, ERTU, SALU, PAJU, LANU, KLF, HEF, KALU, KIF, TOF, KTK1, RNF, RNF, SVF, GURU, OUL, OUF, VAF.

IDC 11 13:18:47.2.3.5.31:96N:140:33E, h0km, mb3.3/3,
mbtmp3.3/4, ML1.8/1, Error ellipse: s-maj=142.5km
s-min=23.8km az=73.0, Southeast of Honshu

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

TRN 11 13:20:11.8, 11:18N:62:14W, h130km, MD3.1
FUNV 11 13:20:13.8, 11:18N:62:12W, h121km, MW3.7
ISC 11 13:20:10.6:1.7, 11:21N:62:19W:0.07,
h139km, 13km, n19, c1557/33, 1C, Windward Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like TRN, GRGR, GRHS, CRUV, GRSS, GCMF, CUMV, SVB, PCRV, SLBI, PARIAGUAN, MPOM, MERV, TACV, TACV, BENV, TURV, CAICARA DEL OR, BAUV, BAUV.

IDC 11 13:29:20.8.2.9.35:76N:141:27E, h0km, mb3.2/3,
mbtmp3.2/4, ML2.2/1, Error ellipse: s-maj=74.8km
s-min=26.1km az=48.0

JMA 11 13:29:23.6.0.2.35:6N:0:5:14:1E:1, h18km, 1km,
MV3.7/37, NEAR CHOSHI CITY.
JMA Felt J1 at NEAR CHOSHI CITY.
ISC 11 13:29:23.9:1.6.35:62N:0:04:141:06E:0:07, h20km, 5km,
n19, c1506/19, mb3.4/3, 1D, Near east coast of eastern
Honshu

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like JSMT, JIHU, JIHU, JCN, JCN, KTR, BS04, BS03, JYT, BS01, JHO, MJAR, MJAR, H11N2, H11N1, H11N3, H11S1.

baz=312,slow=75,SNR=346
H11S3 WAKE ISLAND Hy 28.36 120 T T 14 04 54.3
baz=312,slow=75,SNR=338
H11S2 WAKE ISLAND Hy 28.37 120 P T 14 04 52.2
MKAR Makanchi Array 44.65 303 P P 13 37 35.1 -0.1
WRA Warramunga Arr 55.62 188 P P 13 38 57.8 -0.7
ASAR Alice Springs 59.35 188 P P 13 39 27.7 +3.0

TAP 11 13:39:39.0, 23:64N:120:71E, h14km, ML3.8, B
ASIES 11 13:39:39.0, 23:64N:120:71E, h14km, ML3.8, Mw3.3,
Moment Tensor Solution. Moment tensor: Scale 10^20Nm;
Mm-2.13; Mm-0.59; Mm-4.14; Mm-8.28;
Mm-4.48; Fault plane solution: Mo 1.27470x10^20 NP1:
o:64.59000; s:68.97000; l:149.0000; NP2:
o:342.80000; s:62.00000; l:-23.98000. Principal axes:
T P1g4.4870; Azm212.4040; N P1g5.7780;
Azm116.2550; P P1g35.8530; Azm305.6550.
JMA 11 13:39:39.5:0.2:23:7N:0:4:120:7E:0.8, h18km, 2km,
MV3.5/10, TAIWAN REGION
ISC 11 13:39:39.8:0.7:23:64N:0:01:120:69E:0:01, h16km, 4km,
n138, c0567/227, 30C-7D, Taiwan

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like CHNS, WKG, WDLH, WHYT, WHYT, ALS, WJS, WJS, WCKO, WNT, WNT, WNT1, WNT1, SSSLB, SSSLB, WTK, WTK, CHY, CHY, TYC, TYC, SMLT, CHN4, WYL, WYL, TPUB, TPUB, WRL, WRL, RLNB, RLNB, WWF, WWF, WTP, WTP, TWK, TWK, VVDT, VVDT, WDF, WDF, WSL, WSL, WCHH, WCHH, WCHT, WCHT, SNST, SNST, WCS, WCS, WMLT, WMLT, WMLT, WMLT, ICHU, ICHU, ICHU, ICHU, STYH, STYH, CHN1, CHN1, CHN1, CHN1, STYT, STYT.

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like STYT, TCU, TCU, WUSB, WUSB, CHN8, CHN8, OWD, OWD, ELDTV, ELDTV, ELDTV, ELDTV, SGST, SGST, EHY, EHY, EHY, EHY, YULB, YULB, YULB, YULB, TWF1, TWF1, TWF1, TWF1, SSHA, SSHA, SSHA, SSHA, WARBT, WARBT, WARBT, WARBT, CHN3, CHN3, EYUL, EYUL, EYUL, EYUL, SLGT, SLGT, SLGT, SLGT, SCLT, SCLT, SCLT, SCLT, WHP, WHP, WHP, WHP, EHD, EHD, EHD, EHD, HGSD, HGSD, HGSD, HGSD, SHHT, SHHT, ESL, ESL, ESL, ESL, WDJ, WDJ, WDJ, WDJ, FULB, FULB, FULB, FULB, TWQ1, TWQ1, TWQ1, TWQ1, WHF, WHF, WHF, WHF, ECS, ECS, ECS, ECS, TAI1, TAI1, TAI1, TAI1, TDCB, TDCB, TDCB, TDCB, TSCK, TSCK, TSCK, TSCK, TWT, TWT, TWT, TWT, LXIB, LXIB, LXIB, LXIB, ECBN, ECBN, NSY, NSY, NSY, NSY, SCST, SCST, SCST, SCST, ETM, ETM, ETM, ETM, CHKT, CHKT, CHKT, CHKT, LONT, LONT, LONT, LONT, TWM1, TWM1, TWM1, TWM1, EDH, EDH, EDH, EDH, TWG, TWG, TWG, TWG, SSD, SSD, SSD, SSD, NLH, NLH, NLH, NLH, TWGBT, TWGBT, TWGBT, TWGBT, HWA, HWA, HWA, HWA, HWA, HWA, HWA, HWA, ETLH, ETLH, ETLH, ETLH, SGLT, SGLT, SGLT, SGLT, TWD, TWD, TWD, TWD, TWD, TWD, TWD, TWD.

11d 14h

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like Puerto Leguiza, Bahia Malaga, Volcan Galeras, Norcasia, and many others.

2017 NOV

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like Tepich, Novo Progresso, Montagnes des, Porto dos Gac, and many others.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like IMW, SCHO Schefferville, ELKO, YHHS Holmes Hill, and many others.

SCB 11 14:45:40.6; 1.4; 21:52:50; 67:31W, h171km; 12km, ML3.6/4, MWV3, Error ellipse: s-maj=4.3km s-min=3.6km az=0.0

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Mochara, Yavi, IPOC Station P, and many others.

11d 16h

Table with columns: PNG, LATG, YHNB, YHNB, NDT, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like Penghu, Datong, Yeheng, Datong Townshi.

11d 15:39:14.3:1.6,4.61S;102.54E,h0km,mb3.5/5, mbmp3.5/5, Error ellipse: s-maj=75.5km s-min=27.8km az=55.0

ISC 11 15:39:16.0:1.4,4.6S;102.6E;0.4,h10km,n18, r1566/6,mb3.4/5,Southern Sumatra

Main table for 11d 16h section, listing stations like Diego Garcia, Cape Leeuwin, Warramunga Arr, Alice Springs, etc.

TAP 11 15:42:13.4,23'62"N,120'91"E,h20km,ML1.2,D,Taiwan

Table listing stations like Xinyi Township, Alishan, etc.

TAP 11 15:42:21.4,23'65"N,120'72"E,h15km,ML1.2,A,Taiwan

Main table for 11d 16h section, listing stations like Tsauling, Xinyi Township, Gukeng, etc.

PRE 11 15:55:02.4:0.7,25'56S;28'78E,h5km,ML1.9, BUJL 11 15:55:06.9:1.7,25'04S;28'84E,h0km,16km,MD3.4

ISC 11 15:55:07.1,25'03S;28'81E,h0km,MC3.3

ISC 11 15:55:00.4:0.9,25'44S;104.28'87E;0.04,h10km,n18, r251/36,South Africa

Main table for 11d 16h section, listing stations like Koster, Mopani, Lobatse, etc.

2017 NOV

Table listing stations like Musina, Limpop, Schweizer, Boshof, etc.

11d 16:04:33.5:1.0,55'56N;166'39E,h0km,mb3.5/6, mbmp3.5/7,ML3.1/1, Error ellipse: s-maj=38.8km s-min=19.3km az=164.0

KRSC 11 16:04:34.0:2.0,55'39N;166'38E,h36km,13km,ML4.0

ISC 11 16:04:36.2:0.9,55'47N;166'39E;0.02,h20km,n40, r158/50,mb3.5/6,Komandors Islands region

Main table for 2017 NOV section, listing stations like Bering, Krutoberegovo, Semkarok, etc.

JMA 11 16:11:24.6:0.1,23'7N;0'7:122'9E;0'5,h46km,MV2.6/15, NEAR ISHIGAKUJIMA ISLAND

TAP 11 16:11:25.5,23'77N;122'90E,h49km,ML3.1,D

ISC 11 16:11:21.7:1.6,23'60N;102'03E;122.94E;0.02,h13km,12km,n78,r1509/108,Taiwan region

Main table for 2017 NOV section, listing stations like EOSA, Yonaguni jima, etc.

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Main table for 756 section, listing stations like Tongmen, Guangfu, Ruisui, etc.

11d 16:14:12.9:1.6,53'36N;167'81W,h55km,12km,mb4.1/35, mbmp4.4/38,MS3.4/37, Error ellipse: s-maj=16.5km

s-min=9.9km az=173.0
NEIC 11 16:14:15.1s, 53.03N, 167.62W, 0.04, h68km, 5km,
mb4.7/142, ML4.8/ML4.6(AEIC), Error ellipse:
s-maj=10.9km s-min=4.6km az=154.0
AEIC 11 16:14:15.1s, 53.03N, 167.54W, 0.05, h41km, 5km,
Error ellipse: s-maj=9.8km s-min=3.5km az=164.0
ISC 11 16:14:14.1, 0.7, 53.16N, 167.62W, 0.04, h68km, 5km,
h637, r1550/596, mb4.6/79, Fox Islands

Table with columns: Code, Station Name, Δ, AZ, Phase ID, ISC, Time, Res, ISC. Lists various seismic stations and their parameters.

Table with columns: KDKA, KDKA, Q19K, K15K, J14K, N18K, M17K, Q20K, S19I, O19K, L17K, SVW2, M19K, M18K, ILSW, K17K, L18K, J16K, GAMB, RSO, SHEM, SHEN, CNPM, M19K, L19K, I17K, BRLE, BRSE, ANM, TTA, N20K, M20K, J18K, H16K, L20K, SEW, Q22K, SKT, F14K, K20K, TNA, H17K, RC01, G16K, F15K, PPLA, M22K, GCSA, G17K, H18K, PWL, PMR, P23K, J20K, C17K, C18K, C19K, C20K, C21K, C22K, C23K, C24K, C25K, C26K, C27K, C28K, C29K, C30K, C31K, C32K, C33K, C34K, C35K, C36K, C37K, C38K, C39K, C40K, C41K, C42K, C43K, C44K, C45K, C46K, C47K, C48K, C49K, C50K, C51K, C52K, C53K, C54K, C55K, C56K, C57K, C58K, C59K, C60K, C61K, C62K, C63K, C64K, C65K, C66K, C67K, C68K, C69K, C70K, C71K, C72K, C73K, C74K, C75K, C76K, C77K, C78K, C79K, C80K, C81K, C82K, C83K, C84K, C85K, C86K, C87K, C88K, C89K, C90K, C91K, C92K, C93K, C94K, C95K, C96K, C97K, C98K, C99K, C100K.

Table with columns: TRF, TRF, FID, SCM, BPWA, H20K, WAT1, EYAK, G19K, WAT6, RND, E17K, KLU, MCK, I21K, KAIM, M24K, DHY, F19K, H21K, MLY, BMRM, E18K, D17K, SUCK, NEA2, BERG, N25K, HARP, F20K, G21K, H22K, I23K, I23K, E19K, E19K, PAX, GLB, CROM, VRDI, CRQE, WAX, TGL, COLA, COLA, COLA, HDA, K24K, MCARA, H23K, ISLE, MESA, F21K, ILAR, ILAR, ILAR, C18K, G22K, MENT, MENT, M26K, M26K, D19K, BARN, H24K, L26K, E20K, G23K, G23K, J25K, J25K, J25K, J25K, F22K, SCRK, LOGN, M27K, M27K.

11d 16h

Table with columns: ID, Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like M27K Edge Creek, AK, C19K Lookout Ridge, D20K Etivut River, etc.

2017 NOV

Table with columns: ID, Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like D25K Kavik River, D25K Kavik River, I29M Ogilvie Camp, etc.

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Table with columns: ID, Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like EDM comp=Z,1.0nm,0.9s, KMPM Mount Pierre, YBH Yreka Blue Hour, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AMTX Amarillo, JFWS Jewell Farm, WMOK Wichita Mounta, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PZH, AKTO Aktyubinsk, PMOR Pomorie, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 11 16:39:20.0, etc.

11d 17h

M5, 1/25, mB5, 6/3, ML5, 6/7, MLV5, 1/25, Mw(mB)5, 1/3, Error ellipse: s-maj=0.0km s-min=0.0km az=115.3, confirmed NEIC 11 17:22:03.8-2.5, 34.07S:0.08-179.6E:0.1, h96km, 7km, mb4.6/23, Error ellipse: s-maj=16.4km s-min=9.9km az=58.0
IDC 11 17:22:04.9-1.6, 34.19S:179.53E, h124km, 13km, mb4.0/9, mbtmp4.4/12, MS3.3/4, Error ellipse: s-maj=15.1km s-min=12.8km az=91.0
NOU 11 17:22:05.4, 34.50S:179.92W, h172km, mb4.5/16, South of Kermadec Islands
ISC 11 17:22:02.5-0.4, 34.08S:0.05-179.75E:0.07, h100km, m10, 28/16/169, mb4.5/19, 7C, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various seismic stations and their associated data points.

2017 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists seismic stations and data for the month of November 2017.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists seismic stations and data for the month of November 2017, continuing from the previous table.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists seismic stations and data for the month of November 2017.

ISC 11 17:36:43.1, 34.69N-33.97E, h28km, ML2.1/8
NEIC 11 17:36:45.7, 34.76N-33.90E, h34km, 5km, M12/19
AFAD 11 17:36:46.1, 34.76N-33.90E, h27km, 3km, MD3.0
GRAL 11 17:36:47.0, 34.55N-34.26E, h12km, 4km, MD3.1
ISC 11 17:36:44.6-1.8, 34.76N:0.03-34.01E:0.03, h36km, 1km, n56, i129/82, 1C-1D, Cyprus region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists seismic stations and data for the month of November 2017.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FNA Florida, NEST Nestorio, and others.

NOU 11 19:48:59.1,21:39S:169.00E,h0km,MLV4.1/8, Southeast of Loyalty Islands

IDC 11 19:49:04.9,2.1,21:44S:168.49E,h0km,mb3.8/5, mbmp3.8/5,MS2.9/2, Error ellipse: s-maj=96.4km s-min=22.8km az=152.0

ISC 11 19:49:05.3,1.5,21:45S:168.70E,0.1,h20km,n18, o139/16,mb3.8/5,Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARC Mare Loyalty, LIFNC LIFOU, and others.

0.9nm,0.5s,baz=345,slow=2.4,SNR=5.0 GERES GERES Array B 146.14 330 PKPbc PKIKP 20 08 46.5 -0.8

NNC 11 19:53:34.5,3.2,37:13N:70:72E,h0km,mb3.5,mpv3.0, Error ellipse: s-maj=28.5km s-min=22.2km az=133.0

ISC 11 19:53:28.3,1.8,36:55N:0.1,70:8E,0.2,h50km,n10, o154/12,4C-1D,Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AML Almayashu, KK31 Karatay Array, and others.

DJA 11 19:57:51.7,0.2,3:2S:2:12:9E,h10km,M4.0/13,mb4.1/8, MLV0.9/13

IDC 11 19:57:51.3,2.1,3:05S:129:01E,h0km,mb3.4/2, mbmp3.5/3,ML3.8/1,MS2.9/4, Error ellipse: s-maj=105.8km s-min=17.8km az=71.0

ISC 11 19:57:53.0,1.0,2:75S:0:06:128:59E,0:07,h35km,n17, o209/15,MS3.1/3,Ceram Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NLAJ Namlea, BNDI Bandanaira, and others.

NSSP 11 20:19:57.6,39:58N:44:55E,h15km,MS2.9 AZER 11 20:19:57.7,0.3,39:55N:44:60E,h12km, Error ellipse: s-maj=4.4km s-min=2.4km az=242.0

AFAD 11 20:19:58.5,0.0,39:61N:44:56E,h5km,1km,ML3.1 TEH 11 20:19:59.1,39:57N:44:59E,h4km,60km,ML3.0

ISF 11 20:20:00.0,39:61N:44:48E,h5km,ML2.8/17 TIF 11 20:20:00.0,39:69N:44:45E,h1km,1km ISC 11 20:19:58.4,0.9,39:58N:0:01:44:62E,0:01,h16km,7km,n98,o138/159,6C-10D,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAKU Maku, HYR Hyderabad, and others.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DIGO comp=E,476nm,1.0s, EAK Akyaka, and others.

IDC 11 20:20:20.0,10.0,5:67S:129:35E,h111km,106km, mb3.1/2,mbmp3.5/5,ML3.4/3, Error ellipse: s-maj=110.4km s-min=29.7km az=48.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BATI Baumata, WRA Warramunga Arr, and others.

11d 21h

Table with columns: Station, Name, Frequency, Power, Direction, and other parameters. Includes stations like THN, AAK, KK31, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, and other parameters. Includes stations like KOLN, KURBB, GKN, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, and other parameters. Includes stations like GNI, GNI, GNI, etc.

11d 21h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like LPL La Plagne, MBDF Montbard, CABF La Chapelle, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like C21K Knifeblade Rid, F15K North Star Dit, C23K Kiklik River, etc.

768

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like L17K Donlin, TTA Tatolina, G27K Doyon Strip, etc.

11d 21h

ISC 11 21:46:11.6,0.8,22.1S;0.1,179.1W;0.1,h550km,n41,
c103/42,mb3.5/G, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Lists various stations like LKBA Tubou, MSVF Nonsavu, TAVE Taveuni, etc.

NEIC 11 21:56:00.9,1.0,68.92N;0.03:145.77W;0.07,h4km,6km,
Error ellipse: s-maj=3.9km s-min=3.6km az=98.0
AEIC 11 21:56:01.7,1.4,68.90N;0.02:145.68W;0.09,h11km,6km,
ML3.3,ML3.5/125(NEIC), Error ellipse: s-maj=4.6km
s-min=3.1km az=90.0

ISC 11 21:56:01.2,1.2,68.92N;0.03:145.77W;0.03,h8km,11km,
n233,c056/244,Northern Alaska

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Lists stations like D25K Kavik River, E25K Arctic Village, etc.

NOV

Table with columns: G26K, Porcupine River, 2.11 158, P, Pn, Pn. Lists stations like G26K Porcupine River, G25K Bearman Lake, etc.

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Table with columns: I28M, Miner Creek, 4.16 144, P, Pn, Pn. Lists stations like I28M Miner Creek, B20K Meade River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like L26K, MENT, K25M, etc.

JMA 11 22:09:07.0, 1.24'2N, 0.3'123.8E, 0.2, h15km, 1km, MV2.1/1.0, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

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

TAP 11 22:09:09.1, 23'56N, 121'26E, h13km, ML1.1, B, Taiwan

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

DJA 11 22:15:50.0, 3.6'S, 3'13'0E, h172km, 7km, M4.5/13, mB5.2/6, mb4.3/8, MLV4.5/13, Mw(mB)4.5/6

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

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

IDC 11 22:37:28.3, 1.3, 5.51S, 152'85E, h0km, mb3.8/7, mbmp3.9/8, ML2.2/1, Error ellipse: s-maj=34.9km, s-min=19.9km az=99.0

NEIC 11 22:37:31.9, 2.3, 5.5'S, 0.07, 152'8E, 0.1, h10km, 2km, mb4.1/6, Error ellipse: s-maj=24.9km s-min=11.2km

ISC 22:37:30.8, 1.1, 5.56S, 0.07, 152'7E, 0.1, h10km, n21, -1303/24, mb3.9/11, New Britain region

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

NIED 11 22:54:20.1, 24'67N, 122'00E, h77km, MW4.2, Moment Tensor Solution, s2 Moment tensor: Scale 10^15Nm; M1: 1.0; M2: 1.60; M3: 0.50; M4: 0.39; M5: 1.05; M6: 0.71; Fault plane solution: Mo1.93000x10^15 NP1: 0.79, 0.00000, 0.60, 0.00000, lambda-141.00000, NP2: 0.327, 0.00000, 0.857, 0.00000, lambda-37.00000

NEIC 11 22:54:20.6, 1.3, 24'69N, 0.04, 122'03E, 0.05, h73km, 2km, mb4.0/9, Error ellipse: s-maj=6.9km s-min=5.7km az=77.0

JMA 11 22:54:20.1, 0.2, 24'7N, 122'01E, h71km, ML4.6, B, MW4.0/17, TAIWAN REGION

ASIES 11 22:54:20.6, 24'70N, 122'01E, h71km, ML4.6, Mw4.1, Moment Tensor Solution, Moment tensor: Scale 10^22Nm; M1: 0.38; M2: 0.14; M3: 0.52; M4: 0.08; M5: 0.94; M6: 1.59; Fault plane solution: Mo1.90503x10^22 NP1: 0.181, 1.50000, 0.82, 5.80000, lambda1.22000, NP2: 0.77, 9.90000, 0.29, 6.40000, lambda1.64, 8.70000, Principal axes: T Plg44.8990, Azm62.4310; N Plg28.5160; Azm185.2100; P Plg31.5540, Azm294.7010;

IDC 11 22:54:21.3, 3.1, 24'76N, 122'14E, h90km, 30km, mb3.5/12, mbmp3.9/14, Error ellipse: s-maj=20.7km s-min=14.9km az=57.0

ISC 22:54:20.1, 0.5, 24'71N, 0.02, 122'02E, 0.02, h76km, 3km, n238, 1315/389, mb3.9/16, 67C-12D, Taiwan region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TWB1, TWB1, TIPB, etc.

TWD	Chiawan	0.73 212	↑P	Pn	22 54 35.7	-0.1
TWD	baz=222		eS	Sn	22 54 47.6	+0.2
NCU	National Center	0.80 289	P	Pn	22 54 37.2	+0.7
NCU	baz=289		iS	Sn	22 54 49.7	+0.9
NCUH	Zhongli	0.80 289	↑P	Pn	22 54 37.3	+0.7
NCUH	baz=289		eS	Sn	22 54 49.6	+0.8
HWA	Hwaiien	0.82 208	↑P	Pn	22 54 37.3	+0.5
HWA	baz=197		eS	Sn	22 54 50.3	+1.2
NFF	Wufeng Townshi	0.82 265	↑P	Pn	22 54 37.4	+0.5
NFF	baz=269		S	Sn	22 54 49.9	+0.6
FUSS	Fushou	0.84 237	↑P	Pn	22 54 38.0	+0.7
FUSS	baz=230		eS	Sn	22 54 50.0	0.0
NJD	Zhudong	0.85 272	eP	Pn	22 54 37.8	+0.7
NJD	baz=272		S	Sn	22 54 50.3	+0.6
LXIB	Xiulin Townshi	0.88 219	↑P	Pn	22 54 37.3	-0.4
LXIB	baz=209		eS	Sn	22 54 50.7	+0.1
ETM	Tongmen	0.88 213	↑P	Pn	22 54 37.1	-0.4
JYNG	Yonagunijimaku	0.88 106	iP	Pn	22 54 37.9	+0.4
JYNG	baz=223		S	Sn	22 54 50.3	-0.2
WHF	Hehuan Shan	0.88 231	↓P	Pn	22 54 38.4	+0.4
WHF	baz=225		S	Sn	22 54 51.5	+0.3
TW	Tachien	0.89 240	↑P	Pn	22 54 38.9	+1.1
TW	baz=231		eS	Sn	22 54 51.5	+0.6
TDCB	Techi	0.90 240	↑P	Pn	22 54 39.0	+1.1
TDCB	baz=232		S	Sn	22 54 51.5	+0.3
HSN1	Hsinchu	0.91 275	↑P	Pn	22 54 38.6	+0.8
HSN1	baz=274		S	Sn	22 54 52.3	+1.2
LIOB	Emei	0.91 266	P	Pn	22 54 38.5	+0.6
LIOB	baz=266		eS	Sn	22 54 50.9	-0.2
PCYT	Pengchaiyu	0.92 3	eP	Pn	22 54 38.6	+0.6
PCYT	baz=2.0		eS	Sn	22 54 52.1	+0.8
NSTT	Nanjuang	0.93 266	↑P	Pn	22 54 38.5	+0.5
NSTT	baz=265		eS	Sn	22 54 51.6	+0.2
NHW	Xinwu Township	0.93 289	P	Pn	22 54 38.8	+0.7
NHW	baz=289		eS	Sn	22 54 51.8	+0.4
YOJ	Yonaguni jima	0.94 105	P	Pn	22 54 38.4	+0.2
YOJ	baz=223		P	Pn	22 54 38.6	+0.4
YOJ	Yonaguni jima	0.94 105	iP	Pn	22 54 38.5	+0.3
YOJ	baz=223		S	Sn	22 54 52.3	+0.7
YOJ	Yonaguni jima	0.94 105	↓P	Pn	22 54 38.5	+0.4
YOJ	baz=98		eS	Sn	22 54 51.1	-0.5
SBCB	Hsinchu	0.94 275	↑P	Pn	22 54 38.9	+0.6
SBCB	baz=275		S	Sn	22 54 52.2	+0.5
HSN	Hsinchu	0.96 276	↑P	Pn	22 54 38.6	+0.3
HSN	baz=277		eS	Sn	22 54 51.5	-0.5
CHGB	Renai	1.00 230	↑P	Pn	22 54 40.0	+0.8
CHGB	baz=229		S	Sn	22 54 53.8	+0.5
ESL	Shilin	1.04 211	↑P	Pn	22 54 38.5	-0.8
ESL	baz=218		eS	Sn	22 54 53.3	-0.4
NJN	Zhunan	1.04 269	eP	Pn	22 54 40.3	+0.9
NJN	baz=268		eS	Sn	22 54 54.9	+1.0
WHP	Taichung City	1.06 247	↑P	Pn	22 54 41.1	+1.3
WHP	baz=245		S	Sn	22 54 55.6	+1.1
OWD	Renai	1.07 226	↑P	Pn	22 54 40.5	+0.5
OWD	baz=219		eS	Sn	22 54 54.9	+1.0
TEGC	Jichi Village	1.08 204	eP	Pn	22 54 40.2	+0.3
TEGC	baz=197		eS	Sn	22 54 54.9	+1.0
WUSB	Renai	1.09 229	↑P	Pn	22 54 40.9	+0.8
WUSB	baz=228		S	Sn	22 54 55.6	+0.5
NMLH	Miaoqi	1.13 262	eP	Pn	22 54 41.1	+0.6
NMLH	baz=260		eS	Sn	22 54 55.8	0.0
WARBT	Fenglin Townsh	1.14 211	↑P	Pn	22 54 39.7	-1.0
WARBT	baz=202		eS	Sn	22 54 54.5	-1.6
NSY	Sanyi	1.18 256	↑P	Pn	22 54 42.2	+1.0
NSY	baz=254		S	Sn	22 54 57.8	+0.8
TWQ1	Liyutan	1.19 253	↑P	Pn	22 54 42.0	+0.7
TWQ1	baz=251		eS	Sn	22 54 56.3	-0.8
WPL	Puli Township	1.19 235	eP	Pn	22 54 42.5	+1.3
WPL	baz=226		eS	Sn	22 54 58.2	+1.1
WCS	Beigang Elemen	1.20 238	↑P	Pn	22 54 42.6	+1.3
WCS	baz=245		eS	Sn	22 54 58.5	+1.2
DPDB	Guoxing	1.20 236	↑P	Pn	22 54 42.7	+1.2
DPDB	baz=245		eS	Sn	22 54 58.5	+1.2
VWDT	VWDT	1.24 220	↑P	Pn	22 54 42.7	+0.8
VWDT	baz=213		eS	Sn	22 54 58.1	-0.1
WDJ	Dajia District	1.30 254	eP	Pn	22 54 43.5	+0.8
WDJ	baz=253		eS	Sn	22 55 00.2	+0.5
SMLT	Sun Moon Lake	1.31 231	↑P	Pn	22 54 44.1	+1.2
SMLT	baz=223		eS	Sn	22 55 01.1	+1.1
HGSD	Ruisui	1.32 204	↑P	Pn	22 54 43.0	0.0
HGSD	baz=205		eS	Sn	22 55 00.3	+0.1
TYC	Yuchr	1.33 233	↑P	Pn	22 54 44.2	+1.2
TYC	baz=226		S	Sn	22 55 00.8	+0.6
SSLB	Suangleung	1.33 227		Pn	22 54 43.9	+0.7
SSLB	baz=227		S	Sn	22 55 02.1	+1.6
SSLB	Suangleung	1.33 227	↑P	Pn	22 54 44.2	+1.0
SSLB	baz=231		S	Sn	22 55 01.8	+1.3
TCU	Taichung	1.34 246	eP	Pn	22 54 44.0	+0.8
TCU	baz=243		eS	Sn	22 55 01.5	+0.9
EHY	Hungye	1.35 208	↑P	Pn	22 54 42.2	-1.2
EHY	baz=208					

WWF	Wufeng	1.37 242	eP	Pn	22 54 44.6	+1.0
WWF	baz=250		eS	Sn	22 55 02.2	+0.9
WNT1	Nantou City	1.46 237	eP	Pn	22 54 45.7	+1.0
WNT1	baz=246		eS	Sn	22 55 04.3	+1.0
WHYT	Xinyi Township	1.46 227	eP	Pn	22 54 46.2	+1.3
WHYT	baz=233		eS	Sn	22 55 06.0	+2.5
YULB	Yu-li	1.46 207	P	Pn	22 54 43.6	-1.2
YULB	baz=207		P	Pn	22 54 43.9	0.0
YULB	Yu-li	1.46 207	eP	Pn	22 54 43.6	-1.2
WCHH	Zhanghua	1.47 245	eP	Pn	22 54 45.5	+0.7
WCHH	baz=242		eS	Sn	22 55 04.3	+0.8
WJS	Zhushan	1.47 233	eP	Pn	22 54 46.0	+1.1
WJS	baz=242		eS	Sn	22 55 04.6	+1.1
WNT	Mingjian	1.47 236	eP	Pn	22 54 45.6	+0.8
WNT	baz=246		eS	Sn	22 54 45.6	+0.8
ECBN	Changbin	1.48 201	↑P	Pn	22 54 44.8	-0.2
ECBN	baz=210		eS	Sn	22 55 03.1	-0.6
EYUL	Yuli	1.50 205	eP	Pn	22 54 44.5	-0.8
EYUL	baz=206		eS	Sn	22 55 05.5	+1.3
TWF1	Yuli	1.50 206	eP	Pn	22 54 44.3	-1.0
TWF1	baz=206		eS	Sn	22 54 46.0	+0.7
WYL	Yuanli Townsh	1.51 241	eP	Pn	22 54 46.0	+0.7
WYL	baz=249		eS	Sn	22 55 05.2	+0.8
IRIF	Iriromote-Funau	1.60 103	iP	Pn	22 54 46.9	+0.3
IRIF	baz=103		S	Sn	22 55 07.0	+0.3
ALS	Alishan	1.63 223	↑P	Pn	22 54 48.5	+1.3
ALS	baz=230		eS	Sn	22 55 09.0	+1.3
FULB	Fuli	1.64 204	eP	Pn	22 54 47.2	0.0
FULB	baz=204		eS	Sn	22 54 48.4	+1.1
CHNS	Tsauling	1.65 228	eP	Pn	22 54 48.4	+1.1
CHNS	baz=235		eS	Sn	22 55 09.3	+1.4
WGK	Gukeng	1.67 233	eP	Pn	22 54 48.7	+1.2
WGK	baz=240		eS	Sn	22 55 09.6	+1.2
WDLH	Douliu	1.69 233	eP	Pn	22 54 48.6	+0.9
WDLH	baz=241		eS	Sn	22 55 09.6	+0.9
CHKT	Chengkung	1.71 201	eP	Pn	22 54 47.2	-0.8
CHKT	baz=201		eS	Sn	22 55 07.2	-1.9
RLNB	Erlin	1.72 242	↑P	Pn	22 54 48.6	+0.5
RLNB	baz=239		S	Sn	22 55 09.5	+0.2
EHD	Haidun	1.72 206	eP	Pn	22 54 46.3	-1.9
EHD	baz=206		eS	Sn	22 54 46.3	-1.9
HATJ	Hateruma jima	1.75 111	P	Pn	22 54 49.6	+1.0
HATJ	baz=111		S	Sn	22 55 11.6	+1.4
ECS	Chishang	1.76 205	eP	Pn	22 54 48.5	-0.2
ECS	baz=205		eS	Sn	22 54 48.4	-0.5
ELDTW	Lidau	1.77 211	eP	Pn	22 54 48.4	-0.5
ELDTW	baz=204		eS	Sn	22 55 10.5	-0.2
WTCT	Ta-ch'eng	1.79 242	eP	Pn	22 54 49.4	+0.3
WTCT	baz=239		eS	Sn	22 55 11.0	-0.1
WTK	Tuku	1.80 236	eP	Pn	22 54 49.8	+0.5
WTK	baz=233		eS	Sn	22 55 12.3	+0.9
WCKO	Fan	1.81 226	eP	Pn	22 54 50.8	+1.5
WCKO	baz=222		eS	Sn	22 55 13.3	+1.8
CHN2	Minshiang	1.83 231	eP	Pn	22 54 50.8	+1.2
CHN2	baz=231		eS	Sn	22 54 49.1	-0.8
EDH	Donghe	1.84 201	eP	Pn	22 54 49.1	-0.8
EDH	baz=201		eS	Sn	22 55 11.2	-1.2
WMLT	Mailiao	1.87 242	eP	Pn	22 54 50.3	+0.2
WMLT	baz=238		eS	Sn	22 55 13.1	+0.1
JKRS	Kuro-shima	1.87 104	iP	Pn	22 54 51.0	+0.8
JKRS	baz=104		eS	Sn	22 55 14.0	+1.0
CHN4	Tsauling	1.88 224	eP	Pn	22 54 51.4	+1.2
CHN4	baz=221		eS	Sn	22 55 15.6	+2.5
CHY	Chiayi	1.89 231	eP	Pn	22 54 51.1	+0.7
CHY	baz=237		eS	Sn	22 55 14.4	+1.0
TPUB	Ta-pu	1.89 223	P	Pn	22 54 51.2	+0.8
TPUB	baz=230		S	Sn	22 55 15.7	+2.2
TPUB	Ta-pu	1.89 223	eP	Pn	22 54 52.0	+1.5
TPUB	baz=230		eS	Sn	22 54 51.6	+1.1
STYH	Taoyuan	1.90 217	eP	Pn	22 54 52.2	+1.6
STYH	baz=209		eS	Sn	22 55 15.5	+1.7
WTP	Ta-pu	1.94 222	eP	Pn	22 54 52.2	+1.1
WTP	baz=231		eS	Sn	22 55 16.8	+2.0
WSF	Szhu	1.95 237	P	Pn	22 54 51.6	+0.4
WSF	baz=234		iS	Sn	22 55 15.4	+0.4
JJJ	Ishigaki jima	1.96 100	P	Pn	22 54 51.6	+0.2
JJJ	baz=100		S	Sn	22 55 14.7	-0.5
LONT	Longtan	1.97 205	eP	Pn	22 54 50.7	-0.8
LONT	baz=197		eS	Sn	22 54 52.9	+0.9
TWK	Hsiyung	2.00 225	eP	Pn	22 55 18.9	+2.6
TWK	baz=233		eS	Sn	22 55 18.9	+2.6
WSL	Shun Townsh	2.02 235	eP	Pn	22 54 52.6	+0.5
WSL	baz=233		eS	Sn	22 54 52.6	+0.5
SNST	Tainan City	2.03 224	eP	Pn	22 54 53.1	+0.8
SNST	baz=232		eS	Sn	22 55 18.4	+1.6
CHN1	Nanshi	2.04 222	P	Pn	22 54 53.4	+1.0
CHN1	baz=230		eS	Sn	22 55 18.5	+1.5
TWGBT	Beinan	2.07 205	P	Pn	22 54 51.8	-1.0
TWGBT	baz=198		↑P	Pn	22 54 51.5	-1.4
TWGBT	Beinan	2.07 205	eP	Pn	22 55 15.1	-2.6
TWGBT	baz=198		eS	Sn	22 54 51.4	-1.4
TWG	Pinlang	2.07 205	eP	Pn	22 54 51.4	-1.4
TWG	baz=198		eS	Sn	22 55 15.4	-2.3
ICHU	Yijhu	2.08 230	eP	Pn	22 54 53.9	+1.0
ICHU	baz=226		eS	Sn	22 55 18.9	+0.9
SGST	Jiashan	2.08 219	↑P	Pn	22 54 53.4	+0.3
SGST	baz=227		eS	Sn	22 55 19.0	+0.9
LDUT	Ludao	2.08 194	eP	Pn	22 54 52.0	-1.1
LDUT	baz=200		eS	Sn	2	

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Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like VAO, ETMB, ETMB, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like ATAH, NPGH, MCRA, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like SNA, SNA, SNA, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like TROLL, QSPA, QSPA, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like DBIC, DBIC, DBIC, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like MAW, SUR, R40A, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like BOS, BOS, BOS, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like LBTB, TOAO, TOAO, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like TOR, TOR, TOR, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like PDAR, NVAR, LSZ, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like PLAI, TWSI, EDFI, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like IGBI, SRBI, MMRI, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like JAGI, BATI, BATI, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like GMJI, SOEI, SOEI, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like BLJI, BKSI, BKSI, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like KAPI, KAPI, KAPI, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like UGM, UGM, UGM, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like PSAA, KNRA, LEM, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like GIRL, WRA, WRA, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like ASAR, MKAR, AKTO, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like IMEH, WSAR, WSAR, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like IBAF, CHBR, JMDO, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like JMD, ISAD, WBK, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like IRAM, JLN, JLN, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like MHTO, MHTO, MHTO, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like DMTO, DMTO, DMTO, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like RBK, RBK, RBK, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like ABTO, GEYT, GNI, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like WHFO, DMTO, DMTO, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like EIL, MMAI, MMAI, etc.

IDC 12 02:47:25.21.1.2.6:64N:54.98E, h0km, mb3.9/9, mbmp3.8/13, ML3.3/4, MS3.0/3, Error ellipse: s-maj=23.1km s-min=19.8km az=5.0

TEH 12 02:47:27.4.2.6:66N:55.06E, h16km, 25km, ML4.0, DSN 12 02:47:28.9.2.2.6:63N:54.98E, h10km, ML3.9/12, Error ellipse: s-maj=25.7km s-min=4.9km az=0.0

OMAN 12 02:47:29.8.0.1.2.6:67N:55.01E, h20km, mb3.8/9, Error ellipse: s-maj=1.6km s-min=0.7km az=17.0

ISC 12 02:47:27.5-0.5, 26.70N:0.04:55.01E:0.03, h10km, n105, c183/115, mb3.9/14, MS3.0/6, South Island

IDC 12 02:53:36.1.5.8:1939S:179.44E, h507km, 32km, mb2.6/3, mbmp3.5/4, Error ellipse: s-maj=143.9km s-min=75.3km az=123.0, South of Fiji Islands

Code Station Name Az El P Q R S T U V W X Y Z Time Res ISC

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like MSVF, STKA, WRA, etc.

SSNC 12 02:56:02.7:1.9.19:55N:71.01W, h20km, 26km, MD2.9, ML2.6

SDD 12 02:56:02.8:2.2.19:56N:71.32W, h20km, 30km, MD3.5, ML3.1, MW3.4

OSPL 12 02:56:03.0:3.4.19:59N:71.28W, h25km, 45km, ML2.8

ISC 12 02:56:02.6:0.9.19:54N:0.03:71.27W:0.02, h14km, n8km, n23, c1911/46, 11C-SD, Dominican Republic region

Code Station Name Az El P Q R S T U V W X Y Z Time Res ISC

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like LOPPI, LOPPI, LOPPI, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like LUDR, LUDR, LUDR, etc.

JMA 12 01:45:18.3:0.1.24:5N:0.9:123:0E:0.3, h53km, 1km, MV3.4/13, NW OFF ISHIGAKIJIMA IS

ISC 12 01:45:18.1:1.4.24:39N:0.09:123:55E:0.03, h56km, 9km, n18, c0872/29, Southwestern Ryukyu Islands

Code Station Name Az El P Q R S T U V W X Y Z Time Res ISC

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like IRIF, IRIF, IRIF, etc.

IDC 12 02:15:50.3:2.1.11:49S:118.29E, h0km, mb3.7/1, mbmp3.8/5, ML3.7/4, MS3.0/3, Error ellipse: s-maj=52.9km s-min=26.1km az=48.0

DJA 12 02:15:52.7:0.2.11:5:3:11:8E:1, h10km, M4.2/13, mb4.5/8, mB5.0/3, MLV4.1/13, Mw(mB)4.4/3, MwMwp4.8/1, Mwps.1/1

ISC 12 02:15:54.4:0.8.11:31S:0.07x118:47E:0:07, h26km, n29, c1547/29, South of Sumatra

Code Station Name Az El P Q R S T U V W X Y Z Time Res ISC

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like BASI, PLAI, PLAI, etc.

CHN1	baz=202	S	Sb	03 40 49.0 +0.4
TCU	baz=202 Taichung baz=357	0.51 358 <i>f</i> eP	Pb	03 40 42.6 +0.2
WUSB	baz=357 Renai	0.52 47 <i>f</i> iP	Pb	03 40 42.3 -0.4
WUSB	baz=44	eS	Sg	03 40 49.4 +0.2
CHN8	baz=44 Yiju	0.53 237 <i>f</i> iP	Pb	03 40 42.7 0.0
CHN8	baz=239	S	Sb	03 40 51.4 +1.2
ELDTW	baz=239 Lidau	0.53 146 <i>f</i> iP	Pb	03 40 42.6 -0.2
ELDTW	baz=148	eS	Sb	03 40 50.0 -0.4
OWD	baz=148 Renai	0.54 54 <i>f</i> iP	Pb	03 40 42.9 -0.1
OWD	baz=51	eS	Sg	03 40 49.9 +0.1
SGST	baz=51 Jiashian	0.56 191 <i>f</i> iP	Pg	03 40 42.1 -0.7
SGST	baz=193	S	Sb	03 40 50.8 -0.2
EHY	baz=193 Hungye	0.59 102 <i>f</i> iP	Pb	03 40 43.9 +0.2
EHY	baz=92	S	Sb	03 40 52.0 +0.2
YULB	baz=92 Yu-li	0.60 113 P	Pb	03 40 44.0 +0.1
YULB	baz=113	iP	Pb	03 40 43.9 -0.1
YULB	baz=113	S	Sb	03 40 52.3 0.0
CHGB	baz=113 Renai	0.61 46 <i>f</i> iP	Pb	03 40 43.9 -0.3
CHGB	baz=44	S	Sg	03 40 52.0 +0.1
TWF1	baz=44 Yuli	0.62 117 <i>f</i> iP	Pb	03 40 44.3 +0.1
TWF1	baz=117	eS	Sb	03 40 53.0 +0.3
SSHA	baz=117 Shanhua	0.62 217 P	Pb	03 40 44.7 +0.4
SSHA	baz=219	eS	Pn	03 40 55.5 -0.2
CHN3	baz=219 Shinhua	0.63 209 eP	Pn	03 40 45.4 -0.8
CHN3	baz=222	eS	Sn	03 40 56.1 +0.1
WARBT	baz=222 Fenglin Townsh	0.64 82 <i>f</i> iP	Pb	03 40 44.4 -0.1
WARBT	baz=81	S	Sb	03 40 52.9 -0.4
EYUL	baz=81 Yuli	0.64 116 iP	Pb	03 40 44.7 +0.1
EYUL	baz=117	eS	Sb	03 40 53.9 +0.6
SLGT	baz=117 Liugui	0.64 184 iP	Pb	03 40 44.9 +0.3
SLGT	baz=175	eS	Sb	03 40 54.1 +0.7
SCLT	baz=175 Jiali	0.65 225 eP	Pb	03 40 45.2 +0.4
SCLT	baz=227	eS	Sn	03 40 56.2 -0.2
EGFH	baz=227 Guangfu	0.67 87 <i>f</i> eP	Pb	03 40 45.4 +0.2
EGFH	baz=86	eS	Sb	03 40 54.1 -0.1
EHD	baz=86 Haiduan	0.67 136 <i>f</i> iP	Pb	03 40 45.1 -0.2
EHD	baz=137	eS	Sb	03 40 54.2 -0.2
WHP	baz=137 Taichung City	0.68 20 <i>f</i> iP	Pb	03 40 45.5 +0.2
WHP	baz=17	S	Sb	03 40 55.2 +0.6
HGSD	baz=17 Ruisui	0.68 102 <i>f</i> iP	Pn	03 40 46.0 -0.9
HGSD	baz=101	S	Pb	03 40 55.5 +0.9
SHHT	baz=101 Tainan City	0.69 208 iP	Pn	03 40 46.3 -0.6
SHHT	baz=210	S	Sn	03 40 57.8 +0.4
ESL	baz=210 Shilin	0.70 75 <i>f</i> iP	Pb	03 40 45.7 +0.1
ESL	baz=74	S	Pb	03 40 55.0 0.0
FULB	baz=74 Fuli	0.70 128 <i>f</i> iP	Pn	03 40 46.3 -0.8
FULB	baz=129	iS	Sn	03 40 57.1 -0.6
WDJ	baz=129 Dajia District	0.71 356 eP	Pb	03 40 46.4 +0.5
WDJ	baz=354	S	Sn	03 40 57.4 -0.6
TWQ1	baz=354 Liyutan	0.71 6 <i>f</i> iP	Pb	03 40 46.3 +0.4
TWQ1	baz=4.0	S	Sb	03 40 56.8 +1.2
ECS	baz=4.0 Chishang	0.72 138 eP	Pb	03 40 46.5 +0.5
ECS	baz=139	eS	Sn	03 40 56.7 -1.5
WHF	baz=139 Hehuan Shan	0.73 46 <i>f</i> iP	Pb	03 40 46.4 +0.1
WHF	baz=44	S	Sb	03 40 56.5 +0.3
TAI1	baz=44 Yung-k'ang	0.73 216 eP	Pb	03 40 46.8 +0.6
TAI1	baz=218	eS	Sn	03 40 59.2 +0.8
TSCK	baz=218 Chigu Township	0.74 229 eP	Pb	03 40 46.4 0.0
TSCK	baz=246	S	Pn	03 40 58.4 -0.3
TDCB	baz=246 Techi	0.75 34 <i>f</i> iP	Pg	03 40 46.0 -0.3
TDCB	baz=40	eS	Sg	03 40 55.9 -0.3
TWT	baz=40 Tachien	0.76 35 <i>f</i> iP	Pg	03 40 46.1 -0.4
TWT	baz=41	S	Sb	03 40 56.8 -0.1
LXIB	baz=41 Xiulin Townshi	0.76 59 <i>f</i> iP	Pb	03 40 46.7 0.0
LXIB	baz=46	S	Sb	03 40 56.6 -0.4
ECBN	baz=46 Changbin	0.76 114 eP	Pn	03 40 48.1 +0.2
SCST	baz=114 Cishan	0.77 194 <i>f</i> eP	Pn	03 40 47.4 -0.6
SCST	baz=196	eS	Sn	03 40 59.0 -0.4
TEGC	baz=196 Jichi Village	0.78 84 P	Pn	03 40 47.8 -0.3
TEGC	baz=83	eS	Sn	03 40 59.0 -0.5
ETM	baz=83 Tongmen	0.80 66 eP	Pb	03 40 47.3 0.0
ETM	baz=64	S	Sb	03 40 58.0 0.0
CHKT	baz=64 Chengkung	0.81 131 iP	Pn	03 40 48.5 -0.1
CHKT	baz=139	S	Sn	03 41 00.5 +0.1
LONT	baz=139 Longtian	0.83 151 eP	Pb	03 40 48.0 +0.2
LONT	baz=143	eS	Sb	03 40 58.5 -0.2
TWM1	baz=143 Shoushan	0.85 197 eP	Pb	03 40 49.6 +0.5
TWM1	baz=185	eS	Sn	03 41 02.2 +1.0
EDH	baz=185 Donghe	0.86 140 eP	Pn	03 40 49.0 -0.3
EDH	baz=148	eS	Sn	03 41 01.8 +0.1
TWG	baz=148 Pinlang	0.88 157 P	Pb	03 40 48.9 +0.2
TWG	baz=158	eS	Sn	03 41 01.1 -1.0
TWGBT	baz=158 Beinan	0.89 156 P	Pn	03 40 49.5 -0.1
TWGBT	baz=156	P	Pb	03 40 48.9 +0.1

TWGBT	baz=158	eS	Sb	03 41 01.1 +0.7
HWA	baz=158 Hwallien	0.90 68 iP	Pn	03 40 49.6 -0.2
HWA	baz=66	eS	Pn	03 40 02.0 -0.6
NMLH	baz=66 Miaoii	0.90 5 iP	Pn	03 40 49.6 -0.3
NMLH	baz=351	S	Sn	03 41 02.3 -0.4
ETLH	baz=351 Xiulin Townshi	0.92 51 iP	Pg	03 40 49.2 -0.4
ETLH	baz=44	eS	Pn	03 41 02.5 -0.7
TSMG	baz=44 Majia	0.93 183 iP	Pg	03 40 49.6 0.0
TSMG	baz=185	eS	Sb	03 41 02.2 +0.6
TWD	baz=185 Chiawan	0.94 62 eP	Pg	03 40 49.6 -0.2
TWD	baz=60	eS	Sb	03 41 01.7 -0.1
SNJT	baz=60 Kaoshiung City	0.94 201 iP	Pn	03 40 51.4 +1.1
SNJT	baz=218	eS	Sn	03 41 05.9 +2.4
TTN	baz=218 Taitung	0.97 155 eP	Pn	03 40 51.2 +0.4
TTN	baz=156	eS	Sn	03 41 06.2 +2.0
NACB	baz=156 Ninganchiao	0.98 57 P	Pg	03 40 50.5 -0.2
NACB	baz=55	iP	Pb	03 40 50.1 -0.3
NACB	baz=55	S	Sb	03 41 02.6 -0.6
ETL	baz=55 Fush Village	1.00 58 eP	Pb	03 40 50.5 -0.2
NNSB	baz=57 Datong	1.01 38 iP	Pb	03 40 50.5 -0.5
NNS	baz=38 Nan Shan	1.01 38 iP	Pb	03 40 50.6 -0.4
MASBT	baz=46 Mashibuluo	1.02 183 iP	Pn	03 40 51.3 -0.2
MASBT	baz=186	eS	Sn	03 41 05.0 -0.5
WDGT	baz=186 Dungji	1.02 249 eP	Sb	03 40 50.4 -0.7
WDGT	baz=250	eS	Sb	03 41 03.6 -0.7
NSTT	baz=250 Nanjiang	1.03 16 iP	Pb	03 40 51.4 +0.1
NSTT	baz=14	iS	Sg	03 41 05.4 +0.3
PHUB	baz=14 P'eng-hu	1.04 264 P	Pb	03 40 50.2 -1.2
PHUB	baz=264	iS	Sb	03 41 04.1 -0.8
LIOB	baz=264 Emei	1.05 16 iP	Pb	03 40 51.5 0.0
LIOB	baz=14	iS	Sn	03 41 06.2 -0.1
PNG	baz=14 Penghu	1.05 267 P	Sb	03 40 50.4 -1.1
PNG	baz=267	S	Sb	03 41 04.5 -0.6
ECL	baz=267 Taimai	1.06 167 eP	Pn	03 40 51.9 -0.1
ECL	baz=158	eS	Sn	03 41 06.2 -0.3
NFF	baz=158 Wufeng Townshi	1.06 21 iP	Pb	03 40 51.8 -0.1
NFF	baz=8.0	eS	Sg	03 41 05.9 -0.3
WSSB	baz=8.0 Gushan	1.07 202 eP	Pn	03 40 52.6 +0.5
WSSB	baz=204	eS	Sn	03 41 09.2 +2.5
LATG	baz=204 Datong	1.17 40 iP	Pb	03 40 53.3 -0.5
LATG	baz=38	eP	Sg	03 41 09.5 -0.3
SBCB	baz=38 Hsinchu	1.18 13 eP	Pn	03 41 03.3 -0.4
SBCB	baz=11	eS	Sg	03 41 10.4 +0.4
HSN	baz=11 Hsinchu	1.19 12 eP	Pg	03 40 54.4 -0.3
HSN	baz=12	eS	Sg	03 41 12.1 +1.9
LDUT	baz=12 Ludao	1.19 143 eP	Pn	03 40 53.6 -0.2
LDUT	baz=129	S	Sg	03 41 11.2 +0.9
NSK	baz=129 Sanguang	1.20 30 iP	Pn	03 40 54.1 +0.1
NSK	baz=28	S	Sn	03 41 10.2 +0.1
YHNB	baz=28 Yeheng	1.20 31 P	Pb	03 40 54.3 0.0
YHNB	baz=18	iP	Pn	03 40 54.0 -0.1
YHNB	baz=18	eS	Sn	03 41 10.0 -0.1
NDT	baz=18 Datong Townshi	1.22 38 P	Pn	03 40 54.2 0.0
NDT	baz=26	eS	Sn	03 41 10.6 +0.1
ENA	baz=26 Nanau	1.24 50 iP	Pb	03 40 54.6 -0.2
ENA	baz=48	eS	Sn	03 41 11.1 +0.2
VCHM	baz=48 Qimei	1.24 250 P	Pn	03 40 53.5 -1.0
VCHM	baz=251	eS	Sb	03 41 10.4 -0.2
EAST	baz=251 Anshuo	1.25 174 eP	Pg	03 40 55.5 -0.4
EAST	baz=175	eS	Sg	03 41 12.7 +0.5
SCZT	baz=175 Fangliu	1.26 183 eP	Pb	03 40 55.0 -0.2
SCZT	baz=185	eS	Pb	03 41 12.8 +0.4
EWUT	baz=185 Wuta	1.28 51 iP	Pb	03 40 55.4 -0.1
EWUT	baz=48	eS	Sg	03 41 12.6 -0.4
ENTT	baz=48 Nioudou	1.28 38 iP	Pb	03 40 55.2 -0.2
ENTT	baz=37	eS	Pg	03 40 56.4 -0.4
TAWH	baz=37 Dawu Township	1.30 172 eP	Pg	03 41 13.8 0.0
TAWH	baz=174	eS	Pb	03 40 56.6 -0.2
NWL7	baz=174 Wulai	1.35 33 P	Pb	03 40 56.6 -0.2
NWL7	baz=37	eS	Sb	03 41 14.4 +0.4
NDS	baz=37 Dongshan	1.36 43 eP	Pb	03 40 57.1 +0.2
NDS	baz=41	eS	Sb	03 41 16.4 +0.7
FUSB	baz=41 Fushanzhiwuyua	1.38 36 P	Pg	03 40 57.3 -0.1
FUSB	baz=26	eS	Sn	03 41 14.3 -0.3
TWE	baz=26 Neicheng	1.40 39 P	Pg	03 40 58.0 -0.6
TWE	baz=32	iS	Sg	03 41 18.6 +1.8
NCUH	baz=32 Zhongli	1.40 18 eP	Pn	03 40 56.9 +0.2
NCUH	baz=1.0	eS	Sb	03 41 15.4 +0.1
TWC	baz=1.0 Suao	1.43 47 P	Pb	03 40 58.3 +0.2
TWC	baz=45	eS	Pb	03 41 16.1 -0.1
ILA	baz=45 ilan	1.48 40 eP	Pg	03 40 60.0 -0.2
TATO	baz=40 Taipei	1.52 28 P	Pb	03 40 59.0 -0.6
EOSA	baz=40 EOS4	1.56 72 eP	Pn	03 40 59.0 +0.4
EOSA	baz=85	eS	Sb	03 41 19.6 +0.1
TWS1	baz=85 Kuanyinshan	1.60 24 eP	Pb	03 41 01.3 +0.3
TWS1	baz=10.0	eS	Sb	03 41 21.1 +0.1

EOS2	baz=58	1.61 61 eP	Pb	03 41 01.5 +0.5
EOS3	baz=81	1.62 66 eP	Pb	03 41 00.7 -0.5
NTST	baz=81 Danshui	1.67 24 eS	Sb	03 41 23.9 +0.9
TIPB	baz=4.0 Shuangxi	1.68 37 eP	Pb	03 41 02.8 +0.4
TIPB	baz=21	eS	Pn	03 41 22.4 +0.4
TWK1	baz=21 Hengchun	1.69 177 eP	Pg	03 41 03.9 -0.2
YM01	baz=178 YM01	1.70 28 eP	Pn	03 41 00.6 -0.3
YM01	baz=8.0	eS	Sn	03 41 23.1 +0.6
NWF	baz=8.0 Wu-fen Shan	1.74 34 eP	Pb	03 41 04.0 +0.6
WFSB	baz=34 Wu-fen Shan	1.74 34 eP	Pb	03 41 03.9 +0.6
VWUC	baz=34 VWUC	1.77 320 eP	Pn	03 41 00.2 -1.6
TWB1	baz=320 Santiao Chiao	1.81 40 eP	Pb	03 41 03.9 -0.5
TWB1	baz=21	eS	Sb	03 41 27.1 +0.2
SK11	baz=21 Grass Mountain	1.81 36 eP	Pb	03 41 04.2 -0.3
PTMZ	baz=21 Houxiangcun	2.01 315 eP	Pn	03 41 04.2 -0.9
JYNG	baz=314 Yongunijimaku	2.21 68 eP	Pn	03 41 08.4 +0.5
KNM	baz=290 Kinmen	2.21 291 eP	Pn	03 41 08.1 +0.2
KNMB	baz=292 Chin-men Tao	2.27 292 eP	Pn	03 41 07.3 -1.3
YOJ	baz=292 Yonguniji jima	2.27 68 eP	Pn	03 41 09.9 +1.3
MATB	baz=344 Ma-tsu	2.60 345 eP	Pn	03 41 11.9 -1.2
ZPLA	baz=277 Ao Xicun	2.71 277 eP	Pn	03 41 12.2 -2.6
AXDP	baz=297 Jialang	2.79 297 eP	Pn	03 41 14.9 -0.9
HATJ	baz=328 Hateruma jima	2.88 81 eS	Sn	03 41 52.1 +0.7
MHZQ	baz=328 Yeshan	2.88 329 eP	Sn	03 41 16.6 -0.5
DSXP	baz=328 Dongshan	3.00 272 eP	Pn	03 41 17.3 -1.4
LYJJ	baz=343 Jianjiangzhen	3.02 344 eP	Pn	03 41 17.9 -1.2
JKRS	baz=343 Kuro-shima	3.09 78 eP	Sn	03 41 21.2 +1.3
JKRS	baz=343	eS	Sn	03 41 58.1 +1.5
JJIJ	baz=343 Ishigaki jima	3.26 76 P	Pn	03 41 22.6 +0.7
JJIJ	baz=343	eS	Sn	03 42 00.6 +0.4
XPSS	baz=351 Dashiqiu	3.31 352 eP	Sn	03 41 21.8 -1.3
JISG	baz=351 Ishigakijimahi	3.44 73 P	Pn	03 41 25.6 +0.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Data, Turunc, Kemer-Bodrum, etc.

NNC 12 04:45:32.7±0.4, 44.225N, 76.722E, h0km, mb3.9, mpv4.1, Error ellipse: s-maj=2.6km s-min=1.8km az=143.0

SOME 12 04:45:33.9, 44.220N, 76.735E, h15km, Error ellipse: s-maj=2.9km s-min=2.7km az=83.0

ISC 12 04:45:32.3±1.1, 44.262N, 0.02-76.74E, h0km, 10km, n79, 0.0591127, 23C-12D, Eastern Kazakhstan

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

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

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

BUI 12 04:50:56.3±0.0, 8.69N, 57.65E, h10km, mb4.7/4.5, mB5.3/26, Ms4.8/33, Ms7.4/6/32

MOS 12 04:51:00.8±0.9, 9.14N, 58.21E, h10km, mb5.1/67, Error ellipse: s-maj=6.7km s-min=3.7km az=104.3

IDC 12 04:51:00.3±0.6, 9.03N, 58.19E, h0km, mb4.4/25, mBmp4.4/26, ML3.1/2, MS4.2/22, Error ellipse: s-maj=15.3km s-min=13.3km az=179.0

NEIC 12 04:51:03.6±1.4, 9.13N, 58.22E, h20km, mb5.0/98, Mw5.4/32, Error ellipse: s-maj=16.9km s-min=15.8km az=131.0

NEIC 12 04:51:03.6±1.4, 9.03N, 58.22E, h20km, Moment Tensor Solution. Duration: 2s Moment tensor: Scale 10^17Nm; M1=1.50; M2=1.07; M3=0.43; M4=0.34; M5=0.54; M6=0.57;

Fault plane solution: Mo1.56000x10^17 Np1: 0.281, 0.600, 0.348, 4.700, -1.116, 6.500. NP2: 0.138, 1.900, 0.348, 0.000, -1.63, 14.000. Principal axes: T=1.3768, P1g2.0000, Azm299.0000; P=1.7345, P1g70.0000, Azm120.0000

GCMT 12 04:51:06.0±0.1, 9.11N, 0.01-58.13E, h0.01, h12km, Mw5.3/147, Moment Tensor Solution. s89, c115; s147, c283; Duration: 1s2 Moment tensor: Scale 10^17 Nm; M1=1.13±0.1; M2=0.89±0.1; M3=0.24±0.2; M4=0.70±0.4; M5=0.49±0.1; M6=0.01±0.5; Best double couple: Mo1.34200x10^17 Np1=0.284, 0.000, 0.361, 0.000, -1.04, 0.000. NP2=0.131, 0.000, 0.332, 0.000, -1.66, 0.000. Principal axes: T=1.3170, P1g15.0000; Azm24.0000; N=0.0530, P1g12.0000, Azm291.0000; P=1.03670, P1g71.0000; Azm162.0000; nstia1 refers to body waves, cutoff=40s, nstia2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BGR 12 04:51:22.8, 11.87N, 57.92E, h10km, mb4.8, ISC 12 04:51:02.9±0.3, 9.18N, 0.05-58.18E, h0.04, h10km, n500, 0158/501, mb4.9/173, MS4.3/38, 37C-34D, Carlsberg

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

Table with columns: Country, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like FURI, HYB, KIBK, KMBO, LOKD, etc.

Table with columns: Country, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like SHL, AAK, FRU1, BOOM, TARG, etc.

Table with columns: Country, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like MOPA, MOPAN, MUSN, CRAI, etc.

12d 4h

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

2017 NOV

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

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Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

SOMM	comp=Z,2.6nm,0.4s,baz=166,slow=3.9,SNR=9.1	PcP	PcP	05 05 05.7 +0.8
CMAR	Chiang Mai Arr 25.89 257 P	P	P	05 01 42.6 +0.9
CMAR	comp=Z,1.4nm,0.3s,baz=59,slow=8.4,SNR=1.9	pP	pP	05 02 23.9 +2.8
CMAR	comp=Z,1.4nm,0.3s,baz=56,slow=8.9,SNR=2.8	PcP	PcP	05 05 06.2 +0.8
SBUM	comp=Z,1.5nm,0.4s,baz=8.0,slow=1.0,SNR=8.3	P	P	05 01 55.8 +1.1
KULM	Kulim 31.95 232 P	I Amb	I Amb	05 02 35.1 -0.2
KULM	comp=Z,1.4nm,0.3s	P	P	05 02 39.6
RAMN	Ramite 34.68 279 eP	P	P	05 02 58.7 -0.4
RAMN	comp=Z,7.3nm,1.8s	P	PcP	05 05 29.8 +1.2
WMQ	Urumqi 34.93 309 eP	P	P	05 03 00.7 -0.1
WMQ	comp=Z,2.2nm,0.7s	pmax	pmax	
WMQ	comp=Z,3.70nm,17.1s	LR	LR	
WMQ	comp=Z,5.10nm,16.1s	LR	LR	
JIRN	Jiri 34.94 281 eP	P	P	05 03 00.9 -0.5
JIRN	comp=Z,5.1nm,0.3s	PcP	PcP	05 05 27.9 -1.6
JIRN	comp=Z,7.9nm,0.6s	P	P	05 03 03.2 -0.2
GUN	Gumba 35.17 281 eP	PcP	PcP	05 05 07.5 -2.7
GUN	comp=Z,8.1nm,0.4s	P	P	
PKI	Pulchoki 35.63 281 eP	P	P	05 03 06.7 -0.6
PKI	comp=Z,1.1nm,0.6s	PcP	PcP	05 05 31.6 +0.1
PKIN	Phulchoki 35.64 281 eP	P	P	05 03 06.8 -0.6
PKIN	comp=Z,7.9nm,0.3s	PcP	PcP	05 05 05.1 -0.5
DMN	Daman 35.90 281 eP	P	P	05 03 09.4 -0.1
GKN	Gorkha 36.25 282 eP	P	P	05 03 12.0 -0.4
GSI	Gunungsitoli 36.92 231 eP	P	P	05 03 17.9 0.0
DANN	Dangsing 36.97 282 eP	P	P	05 03 18.8 +0.2
PYUN	Piuthan 37.68 282 eP	P	P	05 03 24.8 +0.3
PYUN	comp=Z,3.0nm,0.8s	PcP	PcP	05 05 38.0 +0.4
MK31	Makanchi Array 39.41 312 P	I Amb	I Amb	05 03 38.0 -0.4
MK31	comp=Z,1.0nm,0.6s	P	P	05 03 37.9 -0.5
MKAR	comp=Z,1.4nm,0.5s,baz=100,slow=10.0,SNR=9.1	PcP	PcP	05 05 42.4 0.0
MKAR	comp=Z,2.2nm,0.8s,baz=77,slow=6.4,SNR=5.0	ScP	ScP	05 09 11.9 -0.5
MAKZ	Makanchi 39.62 312 P	I Amb	I Amb	05 03 39.8 -0.4
MAKZ	comp=Z,1.2nm,0.8s	P	P	05 03 40.0
MTN	Manton Dam 39.73 171 P	I Amb	I Amb	05 03 41.2 -0.1
MTN	comp=Z,2.3nm,1.2s	P	P	05 03 45.8 -0.6
ZALV	Zalesovo Beam 40.40 323 P	P	P	05 05 44.4 -0.9
ZALV	comp=Z,1.1nm,0.6s,baz=111,slow=8.5,SNR=26.6	PcP	PcP	05 09 14.5 -1.5
ZALV	comp=Z,1.4nm,0.6s,baz=126,slow=4.4,SNR=3.3	ScP	ScP	
ZALV	comp=Z,1.4nm,0.6s,baz=128,slow=4.6,SNR=6.6	P	P	
KNRA	Kunurra 42.29 175 P	P	P	05 04 03.0 +0.9
KURK	Kurchatov 42.81 317 P	I Amb	I Amb	05 04 05.3 -0.6
KURK	comp=Z,1.1nm,0.8s	P	P	05 04 06.3
KURBB	Kurchatov Arr 42.84 317 P	P	P	05 04 05.2 -1.0
KURBB	comp=Z,8.9nm,0.8s,baz=106,slow=8.5,SNR=31	PcP	PcP	05 04 49.1 +0.8
KURBB	comp=Z,0.6nm,0.5s,baz=108,slow=8.8,SNR=1.2	P	P	05 05 52.9 -0.7
KK31	Karatay Array 47.16 305 P	P	P	05 04 40.5 0.0
KKAR	Karatay Array 47.16 305 P	P	P	05 04 39.4 -1.0
WRAB	Tennant Creek 47.19 169 P	P	P	05 04 41.6 +0.9
WRA	Warramunga Arr 47.19 169 P	P	P	05 04 41.6 +0.8
WRA	comp=Z,9.8nm,0.7s,baz=349,slow=8.7,SNR=7.4	PcP	PcP	05 06 09.0 0.0
WRA	comp=Z,1.5nm,0.6s,baz=345,slow=3.9,SNR=5.8	P	P	
WR0	Warramunga Arr 47.24 168 P	P	P	05 04 40.9 -0.3
BVAR	Borovyk Array 48.30 318 P	P	P	05 04 48.6 -0.4
BVAR	comp=Z,0.9nm,0.3s,baz=99,slow=8.9,SNR=8.0	PcP	PcP	05 06 12.4 -0.2
BVAR	comp=Z,1.5nm,0.4s,baz=132,slow=2.2,SNR=5.8	P	P	
PSA00	Pilbara Seismi 48.36 187 P	I Amb	I Amb	05 04 48.5 -1.2
PSA00	comp=Z,2.3nm,1.4s	P	P	05 04 56.7
QIS	Mount Isa 48.96 162 P	P	P	05 04 55.8 +1.5
AS31	Alice Springs 50.77 170 P	P	P	05 05 08.9 +1.0
ASAR	Alice Springs 50.77 170 P	P	P	05 05 09.2 +1.3
ASAR	comp=Z,9.1nm,0.5s,baz=357,slow=14,SNR=72	PcP	PcP	05 06 22.6 +0.5
ASAR	comp=Z,1.6nm,0.6s,baz=348,slow=3.6,SNR=6.6	P	P	
WRKA	Wararka 51.56 177 P	P	P	05 05 15.2 +1.4
SPIA	Saint Paul Is 54.01 37 P	P	P	05 05 31.5 +0.2
GAMB	Gambell 54.23 29 P	P	P	05 05 34.4 +0.9
NIKH	Nikolski High 54.54 43 P	P	P	05 05 35.6 +0.4
ABKAR	Abkudal array 54.55 313 P	P	P	05 05 34.5 -0.8
OOD	Oodnadatta 55.10 169 P	P	P	05 05 40.1 +0.7
UNV	Unalaska Valle 55.96 42 P	P	P	05 05 47.2 +1.9
MORW	Morawa 56.25 190 P	P	P	05 05 48.5 +0.9
FORT	Forrest 57.26 177 P	P	P	05 05 56.2 +1.5
MULG	Mulgathing 57.29 171 P	P	P	05 05 56.0 +1.1
C16K	Lisburne Hills 57.70 24 P	P	P	05 05 57.8 +0.5
G15K	57.80 28 P	P	P	05 05 58.9 +0.8
M13K	Dall Lake 57.82 34 P	P	P	05 05 58.8 +0.5
L14K	Kuka Creek 58.18 33 P	P	P	05 06 01.8 +1.1
D17K	Noatak River 58.47 25 P	P	P	05 06 03.1 +0.5
H16K	Elim 58.54 29 P	P	P	05 06 03.6 +0.4
L15K	Ungalak Mouta 58.76 32 P	P	P	05 06 05.2 +0.5
L16K	Owhat River 59.72 32 P	P	P	05 06 11.6 +0.2
M16K	Timber Creek 59.98 33 P	P	P	05 06 13.5 +0.3
BBOO	Buckleboo 60.07 170 P	I Amb	I Amb	05 06 13.9 -0.1
BBOO	comp=Z,7.3nm,0.7s	P	P	05 06 15.4
BBOO	Buckleboo 60.07 170 P	P	P	05 06 15.0 +1.0
N16K	Nishlik Lake 60.09 34 P	P	P	05 06 14.5 +0.5
G18K	Tagagawik 60.10 27 P	P	P	05 06 14.7 +0.8
L17K	Donlin 60.27 32 P	P	P	05 06 16.1 +1.0
STKA	Stephens Creek 60.27 164 P	P	P	05 06 16.6 +1.2
STKA	comp=Z,2.5nm,0.4s,baz=321,slow=5.6,SNR=6.5	P	P	
D19K	Kuna River 60.38 24 P	P	P	05 06 16.3 +0.5
O16K	Kokwok River B 60.47 35 P	P	P	05 06 17.3 +0.9
P16K	Nushagak River 60.55 35 P	P	P	05 06 17.5 +0.5
E19K	Redstone River 60.69 26 P	P	P	05 06 18.3 +0.4
M17K	Hoitna River 60.70 33 P	P	P	05 06 19.0 +1.0

baz=273	GCSA Galena City Sc 60.85 29 P	P	P	05 06 20.1 +1.2
baz=271	N17K Nushagak Hills 60.87 34 P	P	P	05 06 20.6 +1.5
baz=272	J18K Innoh River 60.95 30 P	P	P	05 06 21.0 +1.3
baz=272	O17K Koliganek Bris 60.96 34 P	P	P	05 06 21.4 +1.6
baz=271	H19K Roundabout Mou 61.01 28 P	P	P	05 06 21.1 +1.1
baz=271	L18K Granite Mounta 61.02 32 P	P	P	05 06 21.2 +1.1
baz=273	E20K Nigu River 61.09 25 P	P	P	05 06 21.6 +1.0
baz=270	HTT Hallett 61.18 167 P	P	P	05 06 23.0 +1.4
baz=270	Q16K King Salmon 61.27 36 P	P	P	05 06 22.9 +1.1
baz=271	F20K Avarart Lake 61.28 26 P	P	P	05 06 23.2 +1.4
baz=271	TTA Talatina 61.30 31 P	P	P	05 06 22.8 +0.7
baz=273	P17K Kvichak River 61.34 35 P	P	P	05 06 23.3 +1.0
baz=275	J19K Poorman 61.42 30 P	P	P	05 06 24.1 +1.3
baz=273	M18K Stony River 61.47 32 P	P	P	05 06 24.3 +1.1
baz=274	N18K Kilae Creek 61.50 33 P	P	P	05 06 24.3 +0.9
baz=274	R17K Ugashik Creek 61.50 37 P	P	P	05 06 23.4 0.0
baz=273	SVW2 Sparrevohn 61.62 33 P	P	P	05 06 25.6 +1.4
baz=271	B21K Ikipuk River 61.66 23 P	P	P	05 06 25.4 +1.2
baz=271	I20K Naaghedeneel 61.87 29 P	P	P	05 06 26.7 +0.9
baz=274	L19K White Mountain 61.88 32 P	P	P	05 06 27.5 +1.5
baz=274	O18K Koktuh Hills 61.91 34 P	P	P	05 06 27.3 +1.2
baz=274	J20K Nowinta River 62.05 29 I Amb	I Amb	I Amb	05 07 08.0
baz=274	J20K Nowinta River 62.05 29 P	P	P	05 06 28.1 +1.1
baz=271	B22K Teshepuk Lake 62.06 22 P	P	P	05 06 27.0 +0.1
baz=271	IMAR Indian Mountain 62.11 27 P	P	P	05 06 28.1 +0.7
baz=271	Q18K Katmai Houdscr 62.13 36 P	P	P	05 06 27.2 -0.5
baz=271	F21K Alatna River 62.15 26 P	P	P	05 06 27.9 +0.3
baz=273	K20K Telida 62.15 30 P	P	P	05 06 28.5 +0.7
baz=274	G21K Alakaket 62.18 27 P	P	P	05 06 28.4 +0.5
baz=273	D22K Ayikyak River 62.37 24 P	P	P	05 06 29.9 +0.9
baz=273	H21K Melozitna River 62.52 28 I Amb	I Amb	I Amb	05 06 32.2
baz=273	H21K Melozitna River 62.52 28 P	P	P	05 06 31.3 +1.2
baz=273	F22K John River 62.63 25 P	P	P	05 06 32.4 +1.6
baz=273	M20K Styx River 62.72 32 P	P	P	05 06 32.7 +1.1
baz=273	E22K Anaktuvuk Pass 62.73 25 I Amb	I Amb	I Amb	05 06 33.4
baz=273	E22K Anaktuvuk Pass 62.73 25 P	P	P	05 06 32.5 +0.9
baz=274	CHUM Lake Minchuminc 62.88 30 P	P	P	05 06 33.6 +1.1
baz=276	I21K Tana 62.90 28 P	P	P	05 06 33.7 +1.1
baz=275	G22K Bettles 62.94 26 P	P	P	05 06 33.4 +0.6
baz=275	CAST Castle Rocks 63.03 30 P	P	P	05 06 34.0 +0.4
baz=274	C23K Itliklik River 63.04 23 P	P	P	05 06 34.8 +1.4
baz=274	PPLA Nunkeypile 63.04 31 P	P	P	05 06 34.1 +0.3
baz=274	D23K Nanushok River 63.08 24 P	P	P	05 06 34.3 +0.5
baz=275	H22K Ishlatina Cre 63.09 27 P	P	P	05 06 35.1 +1.2
baz=277	O20K Slope Mountain 63.17 34 P	P	P	05 06 34.7 +0.1
baz=277	N20K Mount Spurr 63.23 33 P	P	P	05 06 36.5 +1.5
baz=277	COLD Goldfoot 63.42 26 P	P	P	05 06 36.8 +0.8
baz=276	MLY Manley 63.44 28 P	P	P	05 06 37.2 +0.9
baz=276	BPWA Bear Paw Mtn. 63.44 29 I Amb	I Amb	I Amb	05 07 14.6
baz=277	BPWA Bear Paw Mtn. 63.44 29 P	P	P	05 06 37.2 +0.9
baz=278	Q20K Shuyak Island 63.49 35 P	P	P	05 06 37.9 +1.3
baz=278	KDAK Kodiak Island 63.51 36 P	P	P	05 06 37.9 +1.1
baz=279	TOLK Toolik Lake Re 63.51 24 P	P	P	05 06 37.4 +0.7
baz=279	G23K Bananza Creek 63.55 26 P	P	P	05 06 38.2 +1.3
baz=279	E23K Chandalar 63.56 25 P	P	P	05 06 38.5 +1.5
baz=279	C24K Frain Bluff 63.71 23 P	P	P	05 06 38.7 +0.8
baz=276	D24K Happy Valley 63.73 23 P	P	P	05 06 38.9 +0.9
baz=276	TRF Thorofare Moun 63.83 30 P	P	P	05 06 40.3 +1.3
baz=277	H23K Yukon River 63.84 27 P	P	P	05 06 40.1 +1.3
baz=277	SUA Susitna One 63.90 32 P	P	P	05 06 40.9 +1.5
baz=278	E24K Your Creek 63.98 25 I Amb	I Amb	I Amb	05 06 41.8
baz=278	E24K Your Creek 63.98 25 P	P	P	05 06 41.0 +1.2
baz=278	I23K Minto, Yukon-K 64.01 28 P	P	P	05 06 40.7 +0.9
baz=278	M22K Willow 64.15 32 P	P	P	05 06 41.3 +0.5
baz=279	NEA2 Nena 64.21 29 P	P	P	05 06 42.2 +1.0
baz=278,SNR=8.9	F24K Squaw Lake 64.28 25 P	P	P	05 06 43.0 +1.4
baz=278	MCK McKinley 64.39 29 P	P	P	05 06 43.1 +0.7
baz=279	RC01 Rabbit Creek A 64.44 32 P	P	P	05 06 43.5 +0.7
baz=279	MDM Murphy Dome 64.51 28 P	P	P	05 06 43.3 +0.1
baz=279	H24K Noodor Dome 64.52 27 I Amb	I Amb	I Amb	05 06 45.7
baz=279	H24K Noodor Dome 64.52 27 P	P	P	05 06 44.2 +1.0
baz=279	O22K Cooper Landing 64.54 33 P	P	P	05 06 44.1 +0.7
baz=280	G24K Hadweenciv Riv 64.55 26 I Amb	I Amb	I Amb	05 06 45.8
baz=280	G24K Hadweenciv Riv 64.55 26 P	P	P	05 06 44.4 +1.0
baz=280	D25K Kavik River 64.58 23 P	P	P	05 06 44.0 +0.5
baz=280	PMR Palmer 64.64 32 P	P	P	05 06 44.3 +0.3
baz=280	COLA College 64.68 28 P	P	P	05 06 45.1 +0.9
baz=279	WAT1 Susitna Watana 64.70 30 P	P	P	05 06 46.0 +1

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like N30M Aishkik Lake, HYT Haines Junction, JETT Jetton, Norway, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like CWC Cottonwood Cre, LAO LASA Array, SBC Santa Barbara, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like BVAR Borovoye Array, ILAR Eielson Array, FINES FINES Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like OMRZ, KARZ, PRGZ, RAGZ, EDGZ, URZ, etc.

NDI 12 05:16.03:5.1,0.29:13N:79:19E,h25km,8km,ML3.5,

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

MEX 12 05:32:53.9:0.6,13:99N:93:22W,h10km,MD4.0

CATAC 12 05:32:54.1:1.6,14:23N:93:11W,h1km,7km,ML3.9,

GCG 12 05:33:10.6:0.3,14:79N:92:06W,h50km,MD4.3

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

IDC 12 05:37:47.1:3.5,12:73N:87:52W,h0km,mb3.4/5,

CATAC 12 05:38:14.9:0.3,13:36N:88:02W,h197km,3km,ML3.6,

SNET 12 05:38:14.9:2.9,13:46N:88:09W,h189km,ML3.4

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

Main table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like La Caada, Conchagua, Cosiguina Volc, etc.

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

IDC 12 05:55:12.5:1.4,54:83S:131:15W,h0km,mb3.7/4,

mbt3.7/4,MS3.5/6,Error ellipse: s-maj=53.1km

s-min=38.1km az=118.0,Pacific-Antarctic Ridge

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

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

IDC 12 06:01:53.1, 3.6, 22.03N, 143.44E, h118km, 35km, mb3.0/4, mbmp3.6/5, Error ellipse: s-maj=46.4km s-min=20.2km az=99.0

ISC 12 06:01:51.9, 1.0, 21.9N, 0.1, 143.4E, 0.3, h100km, n7, s131/8, mb3.3/4, Mariana Islands region

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

IDC 12 06:33:48.9, 2.2, 9.93N, 125.40E, h43km, 22km, mb4.2/24, mbmp4.5/26, ML4.6/3, MS3.7/42, Error ellipse: s-maj=19.8km s-min=10.2km az=77.0

DJA 12 06:33:48.4, 0.9, 10.1N, 121.6E, h37km, 7km, M5.0/30, mb5.3/8, mb4.9/30, ML5.4/2, Mw(19)4.8/8

GCMT 12 06:33:49.2, 0.4, 9.96N, 0.02, 125.54E, 0.03, h2km, 1km, MW4.8/71, Moment Tensor Solution, s16:c17, s71:c87, Duration: 0 Moment tensor: Scale 10^19Nm; Mr0.28±.15; Mw±.00±.11; Mw±.22±.15; Mw±.04±.22; Mw±.07±.10; Mw±.04±.29; Best double couple: M2.35000±10^16 Np1±54.00000, δ89.00000, λ-164.00000. NP2: 0±324.00000, δ74.00000, λ-1.00000. Principal axes: T 2.1790, P1g10.0000, Azm189.0000; P -2.5200, P1g12.0000, Azm280.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BUJ 12 06:33:49.5, 0.0, 9.83N, 125.60E, h71km, mb4.6/45, mb5.2/20, Ms4.4/15, Ms7.4/0/16

NEIC 12 06:33:51.2, 1.1, 9.93N, 0.08, 125.5E, 0.1, h5km, 7km, mb4.7/63, Error ellipse: s-maj=14.9km s-min=11.9km az=75.0

IDC 12 06:33:48.3, 0.3, 9.95N, 0.05, 125.50E, 0.07, h35km, n199, s152/170, mb4.7/64, MS3.9/49, 3C-3D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DAV Davao City (W), TGy Tagaytay City, SANS Sanana, etc.

Main table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Nanjing, WUHO Wuhan, JCJ Chichijima, etc.

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GTA, LSA Lhasa, GOMU GeErliu, etc.

12d 7h

2017 NOV

786

Table with columns: Call sign, Name, Frequency, Band, Mode, and other details. Includes stations like AKTO, ARU, KIRV, BELG, IMAR, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, and other details. Includes stations like YSA, RAO, RAR, RAR, RAR, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, and other details. Includes stations like BATI, RPN, PAA00, MBWA, NWA0, etc.

BGR 1207:01:52.6, 21:67S: 173:71W, h81km, 1km
NEIC 1207:01:54.5, 2.0, 20.68S: 0.10x:175:3W, 0.1, h24km, 5km,
mb4.8/121, Error ellipse: s-maj=15.1km s-min=13.3km
az=137.0

WARRAMUNGA ARR 47.15 262 P
WARRAMUNGA ARR 47.15 262 P
WARRAMUNGA ARR 47.15 262 P

107A Izeze 82.22 37 P
107A Izeze 82.22 37 P
107A Izeze 82.22 37 P

12d 10h

2017 NOV

790

Table with columns: STATION, Az, Alt, AzEl, Phase, ID, Time, Res, ISC. Includes stations like FLTG Flechtingen, PRU Pruhonice, EKA Eszkaleimuir Ar, etc.

IPEC 12 09:59:54.9, 0.2, 51.50Nk:16.28E, h0km, ML3.0/5, Error ellipse: s-maj=1.9km s-min=1.2km az=42.0
VIE 12 09:59:55.9, 0.5, 51.43Nk:16.06E, h0km, mb2.8/11, m3.1/14, ms3.6/2, Error ellipse: s-maj=6.0km s-min=1.9km az=55.0 76 km WNW of Wroclaw Suspected Mining Induced.

Table with columns: Code, Station Name, Az, Alt, AzEl, Phase, ID, Time, Res, ISC. Includes stations like KSP Ksiaz, OSTC Ostas, UPC Upice, DPC Dobruska-Polom, etc.

Main table with columns: STATION, Az, Alt, AzEl, Phase, ID, Time, Res, ISC. Includes stations like COLIM Colim, Ostrava-Krasne, VRAC Vranov, etc.

Table with columns: Code, Station Name, Az, Alt, AzEl, Phase, ID, Time, Res, ISC. Includes stations like MNK Malin Array Be, AKASG Malin Array Be, HFS Hagflos, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like YAIG, Yautepce, PLATANILLO, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like CMWZ, Cape Campbell, DUVZ, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like RPZ, Rata Peaks, KMRZ, etc.

Technical notes and coordinates for various stations, including: IDC 12 10:28:55.0, 6.4, 00:97S; WEL 12 10:28:56.3, 41:17S; etc.

Technical notes and coordinates for various stations, including: CMWZ Cape Campbell, DUVZ D'Urville Isla, etc.

Technical notes and coordinates for various stations, including: RPZ Rata Peaks, KMRZ Kaimai, etc.

POLN		IAML	10 58 51.2		
ACON	comp=Z,240nm,1.0s				
ACON	Acopya	1.73 54 Pn	Pb	10 58 41.4 -3.7	
ACON	Acopya	1.73 54 i P		10 58 42.8	
ACON			IAML	10 59 26.8	
JUNTS	comp=Z,480nm,1.0s				
JUNTS	Juntas	1.74 112 eP	Pn	10 58 42.4 +0.3	
JUNTS	Las Juntas de	1.75 112 Pn	Pb	10 58 42.6 +0.5	
JUNTS				10 59 03.2 -0.2	
JUNTS	comp=Z,12nm,0.3s,baz=303,slow=20,SNR=17				
JTS	comp=Z,40nm,0.3s,baz=279,slow=23,SNR=9.9				
JTS				10 59 29.0	
BRAN	comp=Z,60nm,20.7s,baz=293,slow=44				
BRAN	Las Pilas	1.79 8 i P		10 58 36.2	
BRAN				10 58 55.4	
BRAN			IAML	10 59 33.4	
CRIN	comp=Z,1um,1.0s				
CRIN	San Cristobal	1.80 346 Pn	Pn	10 58 43.4 +0.4	
CRIN	San Cristobal	1.80 346 eP	Pn	10 58 43.3 +0.4	
CRIN	San Cristobal	1.80 346 i P		10 59 29.4	
CRIN			IAML	10 59 43.2	
ARE1	comp=Z,2um,1.0s				
ARE1	Arenal 1	1.91 104 Pn	Pb	10 58 47.2 -0.9	
ARE1	Arenal 1	1.91 104 eP	Pb	10 58 46.4 -1.8	
CEDE	Laguna Cedeo	1.92 103 Pn	Pb	10 58 45.9 -2.6	
VACR	Volcan Arenal	1.95 104 i P		10 58 49.5	
VACR			IAML	10 59 00.8	
LAFE	comp=Z,540nm,1.0s				
LAFE	Finca La Fe, P	2.01 124 eP	Pn	10 58 44.7 -1.0	
LAFE	Finca La Fe, P	2.01 124 i P		10 59 08.3	
LAFE			IAML	10 59 33.2	
SOCE	comp=Z,340nm,1.0s				
SOCE	Pocosol	2.03 106 i P		10 58 50.8	
SOCE			IAML	10 59 05.9	
LIMN	comp=Z,210nm,1.0s				
LIMN	Finca el Limon	2.12 6 i P		10 58 47.9	
LIMN			IAML	10 59 45.3	
COVE	comp=Z,310nm,1.0s				
COVE	Coope Vega, Sa	2.17 96 Pn	Pb	10 58 50.4 -2.2	
COVE	Coope Vega, Sa	2.17 96 eP	Pb	10 58 49.5 -3.1	
COVE	Coope Vega, Sa	2.17 96 i P		10 58 52.2	
COVE			IAML	10 59 15.7	
CSGN	comp=Z,380nm,1.0s				
CSGN	Cosiguina Volc	2.23 335 i P		10 58 48.5	
CSGN			IAML	10 59 30.2	
CPMI	comp=Z,2um,1.0s				
CPMI	Catarata Coope	2.28 106 i P		10 58 54.6	
CPMI			IAML	10 59 50.1	
JACO	comp=Z,500nm,1.0s				
JACO	JACO, Garabito	2.30 123 Pn	Pb	10 58 52.8 -1.9	
JACO	JACO, Garabito	2.30 123 i P		10 58 52.3	
JACO			IAML	10 59 56.6	
VPTe	comp=Z,210nm,1.0s				
VPTe	Posaito	2.48 108 i P		10 59 02.5	
VPTe			IAML	10 10 02.0	
CNCH	comp=Z,250nm,1.0s				
CNCH	Conchagua	2.62 333 i P		10 58 54.1	
CNCH			IAML	10 59 31.9	
RCPN	comp=Z,500nm,1.0s				
RCPN	Sur Rio San Jo	2.62 11 i P		10 58 54.6	
RCPN			IAML	10 59 07.8	
KTND	comp=Z,1.3nm,1.0s				
KTND	La Caada	2.67 332 i P		10 58 54.3	
KTND			IAML	10 59 41.6	
RIFO	comp=Z,200nm,1.0s				
RIFO	Rio Frio, Sara	2.71 103 i P		10 58 57.6	
RIFO			IAML	10 59 55.1	
OCM	comp=Z,260nm,1.0s				
OCM	Ochomogo	2.80 112 i P		10 58 55.9	
OCM			IAML	11 00 13.9	
LCHR2	comp=Z,110nm,1.0s				
LCHR2	La Lucha 2	2.82 115 i P	Pn	10 58 58.9 +1.8	
LCHR2	La Lucha 2	2.82 115 i P		10 58 59.4	
LCHR2			IAML	10 59 52.8	
TRT2	comp=Z,100nm,1.0s				
TRT2	Tortugero	2.84 97 i P		10 59 05.1	
TRT2			IAML	11 00 18.0	
HAYA	comp=Z,190nm,1.0s				
HAYA	Volcan Irazu	2.88 109 i P		10 59 01.5	
HAYA			IAML	10 59 18.3	
RIMA	comp=Z,210nm,1.0s				
RIMA	Rio Macho	2.94 113 Pn	Pn	10 59 00.8 +2.2	
RIMA	Rio Macho	2.94 113 i P		10 59 11.5	
RIMA			IAML	11 00 02.3	
CDM	comp=Z,100nm,1.0s				
CDM	Cerro de Muert	3.12 116 i P		10 59 03.1	
CDM			IAML	11 00 15.7	
TGUH	comp=Z,90nm,1.0s				
TGUH	Teiguicalpa,Un	3.17 348 Pn	Pn	10 59 02.6 +0.9	
BATAN	Batan	3.28 105 Pn	Pn	10 59 05.3 +2.1	
POSS	Presas 15 de Se	3.28 325 i P		10 59 03.4	
POSS			IAML	10 59 43.2	
SCLA	comp=Z,49nm,1.0s				
SCLA	Alcaldia de Sa	3.44 323 i P		10 59 05.7	
SCLA			IAML	10 59 48.3	
POTG	comp=Z,91nm,1.0s				
POTG	Potrero Grande	3.91 118 i P		10 59 14.9	
POTG			IAML	11 00 05.5	
BCIP	comp=Z,120nm,1.0s				
BCIP	Isla Barro Col	6.89 104 Pn	Pn	10 59 55.6 +2.7	
CCIG	Comitan	7.56 315 Pn	Pn	11 00 04.9 +2.7	
Y49A	Blount Mountai	22.81 0 P	P	11 03 14.1 -0.2	
Y49A			Iamb	11 03 15.4	
FPAL	comp=Z,15nm,1.0s				
FPAL	Fort Paine	23.51 2 P	P	11 03 20.8 -0.5	
FPAL			Iamb	11 03 32.6	
TXAR	comp=Z,11nm,1.1s				
TXAR	Lajas Array	24.26 321 P	P	11 03 29.8 +0.4	
TXAR			PcP	11 07 09.7 +1.4	
TXAR	comp=Z,0.3nm,0.8s,baz=154,slow=5.7,SNR=4.5				
MIAR	comp=Z,1.2nm,0.8s				
MIAR	Mount Ida	24.34 346 P	Iamb	11 03 28.0 -1.1	
MIAR			Iamb	11 04 11.2	
CPCT	comp=Z,14nm,1.4s				
CPCT	Cooper Cave	24.47 4 P	Iamb	11 03 30.0 -0.2	
CPCT			Iamb	11 03 48.8	
X37A	comp=Z,13nm,1.0s				
X37A	Clayton	24.86 343 P	P	11 03 33.4 -0.4	
X37A			Iamb	11 03 48.8	
U49A	comp=Z,8.2nm,1.1s				
U49A	Red Boiling Sp	25.47 2 P	P	11 03 38.4 -0.8	
U49A			Iamb	11 04 17.3	
LPIG	comp=Z,21nm,1.5s				
LPIG	La Paz	26.07 303 LR		11 14 56.1	
LPIG				11 14 55.6	
WMOK	comp=Z,6.8nm,0.9s				
WMOK	Wichita Mounta	26.18 337 P	P	11 03 46.3 +0.6	
WMOK			Iamb	11 03 48.6	
P52A	comp=Z,6.8nm,0.9s				
P52A	Corning	28.85 7 P	P	11 04 09.4 -0.2	
O55A	New Philadelphia	29.58 8 P	P	11 04 15.5 -0.6	
SDCO	Great Sand Dun	31.63 331 P	P	11 04 36.0 +1.4	
LPAZ	La Paz	32.65 146 LR		11 18 27.1	
LPAZ				11 18 36.4	
SRU	comp=Z,42nm,18.6s,baz=9.0,slow=37				
SRU	San Rafael Swe	35.23 327 P	P	11 05 06.5 +0.7	
NVAR	Mina Array Bea	39.38 319 P	P	11 05 43.0 +1.9	
NVAR			PcP	11 07 49.9 +0.8	
NVAR	comp=Z,0.5nm,0.8s,baz=141,slow=9.6,SNR=7.1				
BDFB	comp=Z,0.6nm,0.7s,baz=147,slow=4.3,SNR=7.1				
BDFB	Brasilila	46.45 124 LR		11 26 23.9	
ILAR	comp=Z,70nm,18.4s,baz=114,slow=37				
ILAR	Eielson Array	67.73 336 P	P	11 09 05.7 -2.5	
ILAR				11 09 05.7 -2.5	
ASAR	comp=Z,0.6nm,1.1s,baz=90,slow=2.3,SNR=1.0				
ASAR	Alice Springs	139.46 246 PKP	PKIKP	11 17 42.6 +1.2	
CMAR	comp=Z,0.1nm,0.4s,baz=323,slow=2.8,SNR=7.7				
CMAR	Chiang Mai Arr	150.28 349 PKPbc	PKPbc	11 18 02.2 -0.8	
CMAR				11 18 02.2 -0.8	

PAE	comp=Z,35nm,20.0s,baz=236,slow=30				
PAE	Paea	23.51 100 eT	T	11 27 10.1	
PAE				11 28 23.6	
PPT2	comp=Z,88nm,24.5s				
PPT2	Papeete	23.51 100 eLR	LR	11 08 23.6	
HNR	Honiara	26.12 279 LR		11 13 24.5	
TAOE	comp=Z,531nm,19.0s,baz=150,slow=34				
TAOE	Nuku Hiva Isla	33.52 84 eLR	LR	11 13 51.4	
CTA	comp=Z,7.7nm,18.3s,baz=31,slow=34				
CTA	Charters Tower	38.33 256 LR	LR	11 20 19.1	
STKA	comp=Z,69nm,21.6s,baz=14,slow=33				
STKA	Stevens Creek	43.94 239 LR	LR	11 23 15.3	
WRA	comp=Z,0.8nm,1.1s,baz=95,slow=6.3,SNR=9.2				
WRA	Warramunga Arr	49.53 256 P	P	11 07 41.9 +0.5	
ASAR	comp=Z,2.2nm,0.5s,baz=86,slow=8.5,SNR=3.9				
ASAR	Alice Springs	49.86 251 P	P	11 07 43.3 -0.6	
NVAR	comp=Z,0.1nm,0.5s,baz=224,slow=7.2,SNR=1.7				
NVAR	Mina Array Bea	74.19 42 P	P	11 10 28.2 +0.8	
ILAR	comp=Z,0.7nm,1.1s,baz=210,slow=6.5,SNR=4.1				
ILAR	Eielson Array	81.94 11 P	P	11 11 08.7 -0.9	
BRTR	comp=Z,0.4nm,0.4s,baz=76,slow=3.8,SNR=4.8				
BRTR	Reskin Array B	145.39 321 PKPbc	PKPbc	11 28 27.9 -0.8	

HEL 12 11:22:27.6:0.4,67.81N:20:14E, h0km, ML1.4, Explosion
 UPP 12 11:22:27.1:0.0,67.88N:20:17E, h0km, ML2.7, Confirmed
 Induced event
 ISC 12 11:22:26.7:0.9,67.84N:0:03:20:18E:0:03,h0km,n22,
 e190031,Sweden

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
KUA	Kurraavaara	0.13 28	Op	11 22 29.0 0.0	Pg
KUA			S	11 22 31.0 +0.3	Pg
KUVU	Laukullusapa	0.22 265	P	11 22 31.6 +0.6	Pg
ROTU	Salmi	0.38 359	P	11 22 33.9 0.0	Pg
LANU	Lannavaara	0.72 73	PG	11 22 40.4 +0.4	Pg
LANU	Lannavaara	0.72 73	PG	11 22 40.8 +0.4	Pg
LANU			SG	11 22 51.6 -0.8	Sb
DUNU	Dundret	0.74 168	P	11 22 41.7 -0.8	Pb
SALU	Saitoluokta	0.79 235	P	11 22 42.4 -0.9	Pb
MASU	Masingsbybn	0.80 118	P	11 22 42.6 -0.8	Pb
KIF	Kilpisjärvi	1.19 11	eP	11 22 49.6 +0.2	Pb
KIF	Kilpisjärvi	1.19 11	PG	11 22 50.0 0.0	Pb
KIF			MSG	11 23 06.0	
KIF	comp=Z,4.7nm,0.2s				
KIF			SG	11 23 07.1 -0.2	Sb
PAJU	Pajala	1.40 125	P	11 22 53.0 -0.5	Pg
HEF	Hetta	1.42 65	eP	11 22 53.1 -0.6	Pg
HEF	Hetta	1.42 65	PG	11 22 53.4 -0.6	Pg
HEF				11 23 11.2	
HEF	comp=Z,3.4nm,0.2s				
HEF			MSG	11 23 14.3 +1.2	SG
KLF	Kolari	1.58 111	PN	11 22 56.7 -0.2	Pg
KLF			MSG	11 23 14.8	
KLF	comp=Z,2.4nm,0.2s				
KLF			SG	11 23 18.7 +1.4	SG
KTK1	Kautokeino	1.63 43	PG	11 22 57.8 -0.1	Pg
KTK1			SG	11 23 20.3 +1.4	Pg
HARU	Harads	1.72 169	P	11 22 59.6 +0.1	Pg
TRO	Tromso	1.85 346	SG	11 23 27.1 +1.0	SG
SGF	Sodanjyl	2.46 96	PG	11 23 21.4 -0.3	Pg
SGF				11 23 42.5 0.0	
ARAO	ARCESS Array S	2.58 46	SB	11 23 12.0 -1.8	Sb
ARAO				11 23 45.0 -1.1	
RNF	Rovaniemi	2.59 116	PG	11 23 12.7 -1.2	Pg
RNF			SG	11 23 46.3 +0.2	SG
KEV	Kevo	3.14 49	SB	11 24 02.2 +0.2	Sb
VRF	Vario	3.58 87	SG	11 24 18.2 +3.4	SG

ISC 12 11:35:03.1:1.9,5.50S:153.03E,h0km,mb3.2/3,
 mbtmp3.2/3, Error ellipse: s-maj=44.7km s-min=28.0km
 az=106.0, New Ireland region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
WRA	Warramunga Arr	28.04 249 P	Op	11 30 55.7 +0.7	Pg
WRA				11 31 07.2 -0.7	
ASAR	Alice Springs	29.49 242 P	P	11 31 07.2 -0.7	Pg
ASAR				11 31 07.2 -0.7	
ASAJ	Asahikawa	57.98 344 LR	LR	11 57 33.4	
ILAR	Eielson Array	84.95 20 P	P	11 37 38.5 0.0	
ILAR				11 37 38.5 0.0	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KKM, SLVN, WYLDI, TOLIZ, KAPOI, KAPPANG, PZH, FAKI, HHC, WBO, WRA, WRAB, WB2, WMQ, AS31, ASAR, FORT, KRSR, SONM, MK31, MKAR, USRK, KURBB, ZAAO, ZALV, STKA, BVAR, ABKAR, CAN, PET, MAW, BOSB, FINES, QRZ, MRNZ, BKZ, GSPA, IMAR, TXAR.

Table with columns: SIV, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SIV, BBSO, SAML, AC05, BBRB, VILB, PTLB, LCO, BOSQ, PDRB, SALV, CFA, PP1B, SGCB, CLDB, MT02, CPUP, MACA, BO02, NPGB, ITTB, CRSM, FRBT, PCMB, SNDB, PTGB, ITTB, LDASE, ITAB, ALGR, BOAV, BOAV, MALB, IPMB, PLTB, BDFB, BDFB, GO06, TRQA, PRPB, RCLB, SPB, PLCA, PLCA, PMBV, SDV, BAUV, SDBA, JAUB, DIAM, GUA01, T59A, TXAR, SNAAS, SNAAS, DBIC, QSPA, TOAO, TORO, TORO, TORO, ESDC, ASAR, WRA, KSH, PZH.

Table with columns: ENTT, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ENTT, NDT, NDT, NNSB, NNS, FUSB, FUSB, WHF, WHF, TWB1, TIPB, TWB1, NWLT, HGSD, HGSD, YHNB, YHNB, CHGB, CHGB, NSK, NSK, WUSB, SX11, VWDT, YULB, YULB, EYUL, EYUL, NFF, WHP.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include IRIF, JKRJ, HIJ, HATJ, JJJ, JISG, JISG, JTJ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JAOM, JHCJ, JHUJ, JHUJ, JMKN, JMKN, BSO1, JOD2, JIE, JRY, JTNC, JMK, JMK.

NEIC 12 12:10:30.4z 1.8, 16:11:51.0z 0.06:72.12W.0:09, h95km, 5km, mb4.2/15, Error ellipse: s-maj=12.9km s-min=9.1km az=90.0

VAO 12 12:10:31.9z 0.5, 16:04:53.71:92W, h96km, mb4.4, IDG 12 12:10:33.6z 1.8, 15:95:57.1:95W, h125km, 15km, mb4.0/7, mbtmp4.3/11, Error ellipse: s-maj=17.2km s-min=15.4km az=13.0

ISC 12 12:10:31.5z 0.5, 16:13:5.0z 0.05:72:09W.0:07, h114km, n97, r154/99, mb4.2/12, Near coast of Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include E0S4, E0S4, E0S3, E0S3, E0S3, E0S2, E0S2, EWUT, EWUT, ENA, ENA, NACB, NACB, TWC, TWC, TWC, ETM, ETM, ETM, ETM, NDS, NDS, NDS, LXIB, LXIB, LXIB, LATG, LATG, LATG, TWE, TWE, TWE.

TAP 12 12:21:34.0z 24:09N.122:26E, h24km, ML2.2, C, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include E0S4, E0S4, E0S3, E0S3, E0S3, E0S2, E0S2, EWUT, EWUT, ENA, ENA, NACB, NACB, TWC, TWC, TWC, ETM, ETM, ETM, ETM, NDS, NDS, NDS, LXIB, LXIB, LXIB, LATG, LATG, LATG, TWE, TWE, TWE.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes entries like Alice Springs, Manton Dam, Forrest, etc.

ADC 12 12:58:24.0, 1.0, 44.85N, 32.72E, h0km, mb4.2/1, mbtmp4.2/3, ML3.3/4, MS3.2/1, Error ellipse: s-maj=15.9km s-min=10.3km az=66.0

MOS 12 12:58:25.7, 0.8, 45.05N, 32.50E, h12km, mb4.3/1, Error ellipse: s-maj=10.1km s-min=6.5km az=29.3

SIGU 12 12:58:29.2, 4.4, 86N, 32.29E, h0km, Black Sea District 1

ISC 12 12:58:26.7, 0.8, 44.95N, 0.04, 32.51E, 0.03, h22km, g6km, n81, i193/103, 25C-32, Black Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes entries like Tarkhankut, Sevastopol, Simferopol, etc.

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes entries like Targusor, Muffarat, Mangalia, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes entries like VRAC, MAUC, ZVC, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Las Mercedes, Mount Denham, Chiviro, etc.

IDC 12 14:00:44.7, 3.5, 1.55N, 99.52E, h0km, MLV3.7/5, mbmp3.7/5, MS2.9/1, Error ellipse: s-maj=156.0km s-min=21.4km az=58.0

DJA 12 14:01:01.4, 0.7, 2 N, 4 x 10^0E, h197km, 12km, M3.8/11, MLV3.8/11

ISC 12 14:01:02.5, 0.9, 1.70N, 0.08, 99.9E, 0.1, h150km, n14, 0.074/13, mb3.6/5, Northern Sumatara

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

IDC 12 14:11:28.9, 17.0, 14.07N, 88.16W, h0km, mb3.2/3, mbmp3.2/3, Error ellipse: s-maj=320.3km s-min=209.6km az=9.0

SNET 12 14:11:32.9, 1.4, 12.96N, 90.99W, h39km, 354km, ML3.3

ISC 12 14:11:35.0, 2.3, 13.1N, 0.2, 90.7W, 0.1, h10km, n8, +195/9, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Nube Las Nubes, Alcaid de Sa, etc.

NOU 12 14:15:59.7, 43.10S, 173.26E, h0km, MLV3.5/8, Off E. Coast of S. Island, N.Z.

WEL 12 14:16:02.3, 0.5, 43.3 S, 173.3 E, h5km, 2km, M3.0/18, ML3.3/11, MLV3.0/18, Error ellipse: s-maj=0.0km s-min=0.0km az=131.7, confirmed

ISC 12 14:16:01.7, 0.9, 43.00S, 0.03, 173.16E, 0.03, h10km, n62, +897/67, South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Gretna Valley S, Cheviot Emerge, etc.

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Table with columns: TCW, Station Name, Time, Res, ISC. Includes stations like Tony Channel, South Karori, etc.

IDC 12 14:25:29.0, 0.3, 21.17N, 144.73E, h0km, mb3.7/7, mbmp3.7/7, MS3.0/2, Error ellipse: s-maj=123.4km s-min=21.8km az=78.0, Mariana Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Guam, WAKE ISLAND Hy 20.81, etc.

IDC 12 14:27:05.2, 2.2, 21.12S, 178.76W, h588km, 26km, mb2.6/5, mbmp3.6/6, Error ellipse: s-maj=30.3km s-min=22.6km az=140.0

ISC 12 14:27:06.6, 1.1, 21.0S, 0.2, 178.9W, 0.2, h600km, n6, +085/6.5, Fiji Islands region

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

IDC 12 15:03:08.9, 1.7, 20.54S, 178.80W, h608km, 19km, mb2.8/11, mbmp3.7/12, Error ellipse: s-maj=25.0km az=133.0, confirmed

ISC 12 15:03:07.8, 0.7, 20.7S, 0.1, 178.7W, 0.1, h600km, n35, +1943/36, mb3.4/11, Fiji Islands region

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

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Table with columns: ILAR, Station Name, Time, Res, ISC. Includes stations like Eielson Array, Pinedale Array, etc.

IDC 12 15:58:0.0, 0.6, 29.00S, 60.73E, h0km, mb4.0/15, mbmp4.0/16, ML3.3/1, MS3.3/6, Error ellipse: s-maj=21.7km s-min=16.3km az=90.0

NEIC 12 15:59.2, 2.5, 28.87S, 0.09, 60.6E, 0.1, h10km, 1km, mb4.6/5, Error ellipse: s-maj=20.6km s-min=15.1km az=111.0

ISC 12 15:59.6, 0.5, 28.86S, 0.08, 60.5E, 0.09, h10km, n43, +183/32, mb4.0/16, MS3.4/5, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Riviere de l'E, Rodrigues Isla, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KSRS, KLR, WRR, ASAR.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AML, EKS2, AAK, KK31.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KZIL, ISP, KARP, KARP.

SJA 12:29:39.51.1, 24.21S:67.02W, h206km, 8km, ML3.7, MW3.6
NEIC 12:16:29:41.21.0, 24.18S:01:09:67.2W:0.1, h209km, 13km, m-b3.9, ML4.2(GUC) Error ellipse: s-maj=20.4km

NNC 12:16:43:14.1, 12.0, 37.71N:71.74E, h223km, 150km, mb2.2, mpv3.3, 3C-2Z, Error ellipse: s-maj=139.5km

comp=N,499nm,0.8s
ISP Isparta 1.69 64 Pn Pn 17 04 02.6 -0.9
KARP Karpatos 1.93 218 Pn Pn 17 04 06.8 -0.1

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SLA, AF01, AZAP, LVC.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like RFT7, APE, APE, APE.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PB15, PB15, PB15, YJA.

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

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ALOL, ALOL, PB14, PB14.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VIL2, VIL2, VIL2, VIL2.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PB09, PB09, PB09, PB09.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VIL2, VIL2, VIL2, VIL2.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PB07, PB07, PB07, PB07.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VIL2, VIL2, VIL2, VIL2.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PB02, PB02, PB02, PB02.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VIL2, VIL2, VIL2, VIL2.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AC01, AC01, AC01, AC01.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VIL2, VIL2, VIL2, VIL2.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AC04, AC04, AC04, AC04.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VIL2, VIL2, VIL2, VIL2.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include KURK Kurchatov, SKT Skwentna, ILAR Eielson Array, ARCES ARCESS Array B, FINES FINES Array B.

IDC 12 17:13:43.9,0.6,53.11N:63.10E,h0km,mb3.4/6, mbmp3.6/14,ML3.1/8,MS2.7/1,Error ellipse: s-maj=10.5km s-min=6.1km az=4.0

Main table for 2017 NOV, 799. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include KAUR Kamensk Uralsk, KAUR 29nm,0.5s,baz=346, KAUR 46nm,0.4s,baz=346, KAUR 51nm,0.7s,baz=346, KAUR 77nm,0.4s,baz=346, KAUR 55nm,0.4s,baz=346, AKTO Aktyubinsk, AKTO 1.3nm,0.5s, AKTO 3.7nm,0.5s, AKTO 50nm,0.7s, AKTO 0.9nm,0.3s,baz=64,slow=7.0,SNR=9.2, AKTO 3.5nm,0.3s,baz=332,slow=23,SNR=3.7, AKTO 12nm,0.3s,baz=164,slow=19,SNR=14, SVE Sverdlovsk, SVE 18nm,0.3s,baz=341, SVE 12nm,0.4s,baz=341, SVE 11nm,0.3s,baz=341, SVE 66nm,0.4s,baz=341, SVE 62nm,0.4s,baz=341, SVE 46nm,0.4s,baz=341, AB31 Akbulak array, AB31 1.7nm,0.3s,baz=33,slow=14,SNR=10.2, AB31 5.3nm,0.5s,baz=18,slow=17,SNR=21, AB31 13nm,0.5s,baz=42,slow=26,SNR=9.2, ABKAR Akbulak array, ABKAR 58nm,0.6s,baz=33,slow=27,SNR=13, ABKAR 5.4nm,0.4s,baz=210, ABKAR 3.8nm,0.5s,baz=210, ABKAR 4.8nm,0.4s,baz=210, ABKAR 44nm,0.5s,baz=210, ABKAR 19nm,0.5s,baz=210, ABKAR 47nm,0.6s,baz=210, BRVK Borovoye, BRVK 38nm,0.6s, BRVK 5.2nm,0.5s, BRVK 58nm,0.7s, BRVK 7.7nm,0.5s,baz=86, BRVK 7.8nm,0.4s,baz=86, BRVK 6.1nm,0.5s,baz=86, BRVK 20nm,0.6s,baz=86, BRVK 13nm,0.4s,baz=86, BRVK 14nm,0.4s,baz=86, ARU Arti, ARU 3.7nm,0.5s,baz=324, ARU 5.6nm,0.4s,baz=324, ARU 8.5nm,0.5s,baz=324, ARU 23nm,0.4s,baz=324, ARU 27nm,0.5s,baz=324, ARU 31nm,0.3s,baz=324, ARU 80nm,0.5s, ARU 1.4nm,0.3s,baz=144,slow=7.6,SNR=20, ARU 6.3nm,0.3s,baz=80,slow=18,SNR=4.8, BVAO Borovoye Array, BVAO 12nm,0.3s,baz=120,slow=24,SNR=17, BVAO 9.9nm,0.5s, BVAO 40nm,0.6s, BVAO 94nm,0.8s, BVAR Borovoye Array, BVAR 0.9nm,0.3s,baz=262,slow=13,SNR=156, BVAR 1.3nm,0.3s,baz=278,slow=23,SNR=11, BVAR 1.7nm,0.3s,baz=263,slow=25,SNR=10, PR3R Kungur, PR3R 34nm,0.1s,baz=324, PR3R 16nm,0.2s,baz=324, PR3R 16nm,0.1s,baz=324, PR3R 40nm,0.3s, PR3R 38nm,0.1s, PR3R 41nm,0.5s, PR3R 64nm,0.2s, PR7R Sarany, PR7R 15nm,0.4s,baz=338, PR7R 16nm,0.3s,baz=338, PR7R 15nm,0.4s,baz=338, PR7R 31nm,0.5s,baz=338, PR7R 30nm,0.7s,baz=338

Table for 2017 NOV, 799 (continued). Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include PR7R 44nm,0.3s,baz=338, PR7R 59nm,1.1s, PROR Verkhnechusovs, PROR 2.3nm,0.5s,baz=330, PROR 3.0nm,0.2s,baz=330, PROR 2.5nm,0.3s,baz=330, PROR 8.3nm,0.4s,baz=330, PROR 6.8nm,0.3s,baz=330, PROR 3.6nm,0.5s,baz=330, PR4R Vlasny, PR4R 13nm,0.3s, PR4R 11nm,0.5s,baz=322, PR4R 10.0nm,0.5s,baz=322, PR4R 30nm,0.3s,baz=322, PR4R 54nm,0.4s,baz=322, PR4R 18nm,0.5s,baz=322, PR4R 102nm,0.5s,baz=322, OTUK Ortayu, OTUK 148nm,0.4s, OTUK 2.0nm,0.5s, OTUK 6.8nm,0.8s, BELG Belogoroye, BELG 1.1nm,0.3s,baz=13,slow=5.1,SNR=7.6, BELG 0.9nm,0.3s,baz=319,slow=2.5,SNR=4.3, BELG 0.4nm,0.3s,baz=126,slow=20,SNR=1.6, KIRV Kirov, KIRV 0.9nm,0.3s,baz=167,slow=22,SNR=2.4, KURBB Kurchatov Arra, KURBB 2.9nm,0.6s, KURBB 11nm,0.8s, KURBB 28nm,0.7s, KURBB Kurchatov Arra, KURBB 0.3nm,0.3s,baz=288,slow=14,SNR=16, KURBB 0.2nm,0.3s,baz=291,slow=24,SNR=9.8, KURBB 0.1nm,0.3s,baz=298,slow=27,SNR=4.4, KK31 Karatay Array, KK31 11.06 151 Pn, AAK Ala-Archa, AAK 12.86 139 Lg, ZALV Zalesovo Beam, ZALV 12.95 177 Pn, ZALV 0.2nm,0.3s,baz=274,slow=13,SNR=5.9

IDC 12 17:29:33.7,0.8,21.29N:144.40E,h0km,mb4.1/18, mbmp4.1/21,ML3.0/2,MS3.5/18,Error ellipse: s-maj=24.9km s-min=15.9km az=80.0

Main table for 2017 NOV, 799 (continued). Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include BRTR Keskin Array B, ILAR Eielson Array, PDAR Pinedale Array, IDC 12 17:29:46.7,0.8,21.5N:0.1x144.2E:0.2,h100km,n40, JCJ Chichijima, GUMC GUMC, JHU Hachijo jima 2, MJAR Matushiro Arr, MJAR, JNU Nakatsue, KSRS Korea Array, H1N1 WAKE ISLAND Hy, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, ASAJ Asahikawa, DAV Davao City (W), USRK Ussuriysk Arr, USRK, KLR Kul'dur, PETK Petropavlovsk, HNR Honjara, BATI Baunata, MA2 Magadan, SHEM Shemya Is, Ala, SONM Songino Array, CTA Charters Tower, WRA Warramunga Arr

Table for 2017 NOV, 799 (continued). Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include CMAR Chiang Mai Arr, CMAR, LEM Lemnang, ASAR Alice Springs, ASAR, ZALV Zalesovo Beam, MKAR Makani Array, KDAK Kodiak Island, KURBB Kurchatov Arra, ILAR Eielson Array, ILAR, BVAR Borovoye Array, GEYT Alibek, SPITS Spitsbergen Arr, ARCES ARCESS Array B, NVAR Nina Array Bea, KBZ Khabaz, FINES FINES Array B, PDAR Pinedale Array

IDC 12 17:34:32.9,0.9,21.28N:144.56E,h0km,mb3.9/14, mbmp3.9/16,ML3.1/2,MS2.9/1,Error ellipse: s-maj=29.9km s-min=17.5km az=83.0

Main table for 2017 NOV, 799 (continued). Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include JCJ Chichijima, JCJ, MJAR Matushiro Arr, JNU Nakatsue, H1N1 WAKE ISLAND Hy, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, KSRS Korea Array, SONM Songino Array, WRA Warramunga Arr, CMAR Chiang Mai Arr, ASAR Alice Springs, ZALV Zalesovo Beam, MKAR Makani Array, KURBB Kurchatov Arra, ILAR Eielson Array, BVAR Borovoye Array, ARCES ARCESS Array B, NVAR Nina Array Bea, KBZ Khabaz, FINES FINES Array B, NEIC 12 17:35:31.4,2.2,34.37N:0.07x45.69E:0.06,h10km,1km, mb4.6/4,Error ellipse: s-maj=12.4km s-min=6.5km az=337.0, IDC 12 17:35:33.0,2.0,6.34N:82N:45.86E,h0km,mb4.2/21, mbmp4.2/34,ML4.4/10,MS3.4/22,Error ellipse: s-maj=13.2km s-min=9.9km az=158.0, TEH 12 17:35:36.1,34.86N:45.84E,h12km,40km,ML4.4, ISR 12 17:35:37.1,1.0,34.86N:45.73E,h6km,999km,ML4.5, THR 12 17:35:37.0,1.0,34.85N:45.86E,h18km,7km,ML4.5, AZER 12 17:35:37.0,4.0,34.16N:45.88E,h40km,Error ellipse: s-maj=4.4km s-min=2.8km az=103.0, MOS 12 17:35:38.5,1.7,34.58N:45.78E,h19km,mb4.7/28,Error ellipse: s-maj=6.3km s-min=3.6km az=101.4, Gll 12 17:35:41.2,0.0,34.36N:45.60E,h20km,3km, DSN 12 17:35:46.1,0.6,33.60N:45.71E,h30km,mb5.4/1,Error ellipse: s-maj=32.9km s-min=8.1km az=18.0, ISC 12 17:35:34.1,0.3,34.89N:0.02x45.88E:0.02,h10km,n479, c=2949/477,mb4.4/85,MS3.1/4,27C-14D,Iran-Iraq region, IDHR Dehrash, IDHR, IDHR, IGHG Ghaleghazi, IGHG, ILIN Lien, ILIN, KCHF Cheshme Sefid, SNGE Sanandaj, ILBA Ilam Banvizeh

12d 17h

Table with columns for station name, frequency, power, and signal quality. Includes stations like ILMAN Banvizeh, SDDS Sardasht, IKRK Kirkuq, etc.

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Table with columns for station name, frequency, power, and signal quality. Includes stations like IML Qazax, OZQZ Qazax, QZQZ Gabala, etc.

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Table with columns for station name, frequency, power, and signal quality. Includes stations like AJN Aijan, AJN Aijan, AJN Aijan, etc.

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

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GOF Gofitskoye, BTKR Batakoyurt, BTKR Batakoyurt, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like n635.1931/624,mb4.773,40C-22D, South of Fiji Islands, GNSA Gonsau, MSVF Nonsavu, etc.

NORS 12 17:55:47.6, 43.78N, 43.00E, h6km, MPVA4.5

TIF 12 17:55:47.5, 43.91N, 43.03E, h16km, 2km

MOS 12 17:55:48.5, 43.85N, 42.95E, h18km, MPVA4.2

DRS 12 17:55:49.8, 44.43N, 42.93E, h28km

ISC 12 17:55:48.0-0.8, 43.86N, 0.02-42.97E, 0.01, h12km, 5km, n96, c097/185, 2C-5D, Western Caucasus

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KBZ Khabaz, BEYR Belyy Ugol+, PYA1 Pyatigorsk, etc.

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

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SNZO South Karori, SNZO South Karori, SNZO South Karori, etc.

NEIC 12 17:59:32.9e, 2.7, 24.2S, 0.1, 179.8W, 0.1, h480km, 7km, mb4.7/105, Error ellipse: s-maj=16.7km s-min=13.6km az=129.0

IDC 12 17:59:34.9, 1.1, 24.17S, 179.95W, h505km, 11km, mb3.8/18, mbtmp4.6/20, Error ellipse: s-maj=14.0km s-min=10.0km az=96.0

NOU 12 17:59:35.6, 24.11S, 179.67W, h536km, mb4.5/65, South of Fiji Islands

ISC 12 17:59:35.0, 3.2, 24.20S, 0.05, 179.79W, 0.06, h518km, mb4.7/105, Error ellipse: s-maj=16.7km s-min=13.6km az=129.0

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PMG	Port Moresby	34.77 289	P	P	18 05 41.7 -0.6
PMG	comp=Z,40nm,0.8s		I	Amb	18 05 42.6
PMG	Port Moresby	34.77 289	P	P	18 05 41.9 -0.4
STKA	Stevens Creek	34.79 249	P	P	18 06 41.7 -0.5
STKA	Stevens Creek	34.79 249	P	P	18 08 02.2 +1.0
STKA	Stevens Creek	34.79 249	P	P	18 05 42.6 +0.3
STKA	Stevens Creek	34.79 249	P	P	18 05 42.0 -0.3
ARPS	Mount Arapiles	35.13 240	P	P	18 05 45.0 -0.1
INKA	Innaminka	35.55 256	P	P	18 05 49.8 +1.1
COEN	Coen	36.35 279	P	P	18 05 54.5 -1.0
COEN	comp=Z,29nm,1.2s		I	Amb	18 05 56.2
HHT	Hallett	37.13 246	P	P	18 06 01.8 +0.1
QIS	Mount Isa	37.63 267	P	P	18 06 05.5 -0.5
LCRK	Leigh Creek	37.66 251	P	P	18 06 06.1 0.0
BBOO	Buckleboo	39.50 247	P	P	18 06 19.8 -1.2
BBOO	comp=Z,8.4nm,0.5s		I	Amb	18 06 20.6
BBOO	Buckleboo	39.50 247	P	P	18 06 20.5 -0.5
OOD	Oodnadatta	40.02 255	P	P	18 06 25.9 +0.7
MULG	Mulgathing	41.26 251	P	P	18 06 34.7 -0.4
AS31	Alice Springs	42.17 261	P	P	18 06 40.5 -2.0
AS31	comp=Z,5.4nm,0.3s		I	Amb	18 06 44.5
ASAR	Alice Springs	42.17 261	P	P	18 06 41.1 -1.4
ASAR	Alice Springs	42.17 261	P	P	18 06 42.0 -0.5
ASAR	comp=Z,6.7nm,0.4s,baz=94,slow=7.2,SNR=50		S	ScP	18 11 27.4 +1.3
WR0	Warramunga Arr	42.39 266	P	P	18 06 41.6 -2.6
WR0	comp=Z,9.8nm,0.5s		I	Amb	18 06 43.8
WB2	Warramunga Arr	42.57 266	P	P	18 06 43.0 -2.5
WB2	comp=Z,2.1nm,0.5s		I	Amb	18 06 45.2
WRAB	Tennant Creek	42.57 266	P	P	18 06 44.4 -1.2
WRAB	comp=Z,1.8nm,0.5s		I	Amb	18 06 44.9
WRAB	Tennant Creek	42.57 266	P	P	18 06 44.8 -0.8
WB0	Warramunga Arr	42.57 267	P	P	18 06 43.3 -2.3
WB0	comp=Z,2.2nm,0.6s		I	Amb	18 06 45.3
WRA	Warramunga Arr	42.58 266	P	P	18 06 43.2 -2.4
WRA	Warramunga Arr	42.58 266	P	P	18 06 44.5 -1.1
WRA	comp=Z,1.6nm,0.5s,baz=104,slow=8.3,SNR=249		S	ScP	18 11 29.6 +1.8
WRA	comp=Z,7.5nm,1.0s,baz=99,slow=4.1,SNR=18		S	ScP	
FORT	Forrest	46.39 250	P	P	18 07 14.2 -0.7
FORT	comp=Z,2.7nm,0.6s		I	Amb	18 07 14.5
FORT	Forrest	46.39 250	P	P	18 07 14.3 -0.6
KDU	Kakadu	46.50 275	P	P	18 07 15.1 -0.9
WRKA	Warakurna	46.96 258	P	P	18 07 18.9 -0.5
MTN	Marnton Dam	47.67 275	P	P	18 07 23.2 -1.5
MTN	comp=Z,20nm,1.2s		I	Amb	18 07 44.9
MTN	Marnton Dam	47.67 275	P	P	18 07 23.9 -0.8
KNRA	Kununurra	48.88 270	P	P	18 07 33.1 -0.6
KNRA	comp=Z,30nm,1.1s		I	Amb	18 07 34.1
KNRA	Kununurra	48.88 270	P	P	18 07 33.7 0.0
SDHI	Sand Hill	49.46 31	P	P	18 07 35.3 -2.8
HUH	Hualalai	49.47 30	P	P	18 07 38.7 +0.4
HUH	comp=Z,2.2nm,0.5s		I	Amb	18 07 41.7 +1.2
MLH	Mauna Loa	49.51 31	P	P	18 08 49.9 -1.1
HMH	Huamua Sheep	49.56 31	P	P	18 07 39.3 +0.2
HPAH	Hawaii Prepara	49.83 30	P	P	18 07 41.1 +0.4
FAKI	Fak Fak	50.85 287	P	P	18 07 46.8 -1.5
FAKI	Fak Fak	50.85 287	P	P	18 07 48.4 +0.1
VNDA	Vanda	54.10 185	P	P	18 08 20.7 -0.7
VNDA	comp=Z,0.5nm,0.5s,baz=353,slow=8.7,SNR=7.0		S	ScP	18 08 12.1 +1.5
VNDA	comp=Z,0.6nm,0.7s,baz=330,slow=2.2,SNR=4.0		S	ScP	18 12 16.8 +1.1
KLBR	Kellerberrin	55.05 247	P	P	18 08 17.5 -0.6
SOEI	Soe	55.06 275	P	P	18 08 17.3 -1.2
SOEI	comp=Z,26nm,1.0s		I	Amb	18 08 30.7
SOEI	Soe	55.06 275	P	P	18 08 19.3 +0.8
MEEK	Meebatharra	55.21 253	P	P	18 08 19.5 +0.2
PSA00	Pilbarra Seismi	55.30 260	P	P	18 08 17.4 -2.5
MBWA	Marble Bar	55.51 260	P	P	18 08 19.7 -1.7
MBWA	Marble Bar	55.51 260	P	P	18 08 20.7 -0.7
BLDU	Baldidu	56.10 248	P	P	18 08 24.7 -0.7
SANI	Sanana	56.77 284	P	P	18 08 30.7 +0.5
MORW	Morawa	56.95 250	P	P	18 08 30.4 -0.9
MORW	comp=Z,36nm,1.4s		I	Amb	18 08 35.0
MORW	Morawa	56.95 250	P	P	18 08 31.0 -0.3
CASY	Casey	59.93 206	P	P	18 08 50.2 -0.5
PLAI	Plampang	61.33 273	P	P	18 09 00.5 -0.3
QSPA	South Pole Qui	65.89 180	P	P	18 09 30.0 +0.7
QSPA	comp=Z,15nm,1.4s		I	Amb	18 09 32.3
QSPA	South Pole Qui	65.89 180	P	P	18 09 31.1 +1.8
QSPA	comp=Z,5.0nm,0.8s,baz=143,slow=2.1,SNR=42		S	ScP	
UGM	Wanagama	68.20 271	P	P	18 09 44.1 -0.8
MJAR	Matsushiro Arr	72.25 326	P	P	18 10 07.4 -1.4
MJAR	comp=Z,3.0nm,0.8s,baz=161,slow=5.7,SNR=12		S	ScP	18 10 07.5 -0.3
MAJO	Matsushiro	72.25 326	P	P	18 10 06.4 -1.4
NIKH	Nikolski High	74.33 7	P	P	18 10 36.4 0.0
MAW	Mawson	77.54 200	P	P	18 10 37.2 +0.3
MAW	comp=Z,3.2nm,0.5s,baz=143,slow=4.0,SNR=19		S	ScP	
UNV	Unalaska Valle	78.56 8	P	P	18 10 42.6 +0.0
UNV	comp=Z,2.2nm,0.5s		I	Amb	
KSR5	Korea Array	78.59 320	P	P	18 10 43.1 +0.1
KSR5	comp=Z,2.2nm,0.7s,baz=110,slow=5.3,SNR=9.4		S	ScP	
PETK	Petrovskiy	79.43 346	P	P	18 10 47.2 +0.1
PETK	comp=Z,8.0nm,0.6s,baz=110,slow=6.7,SNR=27		S	ScP	
NJ2	Nanjing	81.00 311	eP	P	18 10 54.9 -0.9
NJ2	comp=Z,9.0nm,0.5s		I	Amb	
USRK	Ussuriysk Ar	81.11 327	P	P	18 10 57.1 +1.0
USRK	comp=Z,2.8nm,0.5s,baz=143,slow=3.0,SNR=8.4		S	ScP	
PKM	Mpherson Peak	81.75 46	P	P	18 11 02.0 +2.1
PKM	comp=Z,2.8nm,0.5s		I	Amb	
BCW	Bitter Crk WRG	82.04 46	P	P	18 10 57.5 -3.8
BCW	comp=Z,20nm,0.8s		I	Amb	18 11 04.8
ARVC	Arvin	82.54 46	P	P	18 11 05.2 +1.5
ARVC	comp=Z,23nm,0.8s		I	Amb	
ELS	Elsinore Mount	82.61 48	P	P	18 11 05.1 +0.9
MDJ	Mudanjiang	82.61 326	P	P	18 11 05.1 +1.3
MDJ	comp=Z,2.2nm,0.5s		I	Amb	
MDJ	MDJ	82.61 326	P	P	18 11 09.4 +2.1
MDJ	MDJ	82.61 326	P	P	18 12 57.8 +2.7
MDJ	MDJ	82.61 326	P	P	18 13 53.4 +5.8
MDJ	MDJ	82.61 326	P	P	18 20 38.5 +3.2
MDJ	MDJ	82.61 326	P	P	18 20 47.3
MURC	Murrieta	82.74 48	P	P	18 11 06.8 +2.0
MURC	comp=Z,17nm,0.8s		I	Amb	
SLBS	Sierra La Lagu	82.78 60	P	P	18 11 05.9 +0.6
SLBS	comp=Z,1.7nm,0.8s		I	Amb	18 11 08.8
ELIB	Princess Elisa	82.79 187	dP	P	18 11 05.1 +0.5
VES	Vestal, Richter	82.79 46	P	P	18 11 06.5 +1.5
BFSC	Mount Baldy Ra	82.80 48	P	P	18 11 07.0 +1.8
BFSC	comp=Z,23nm,0.8s		I	Amb	
MONP2	Monument Peak	82.87 49	P	P	18 11 07.7 +2.0
MONP2	comp=Z,23nm,0.8s		I	Amb	
EDW2	Edwards Air Fo	82.95 47	P	P	18 11 07.9 +2.1
EDW2	comp=Z,2.2nm,0.5s,baz=110,slow=5.3,SNR=9.4		S	ScP	
IKP	In-Ko-Pah, Jac	82.95 50	P	P	18 11 08.5 +2.6
IKP	comp=Z,2.2nm,0.7s		I	Amb	
ISA	Isabella, Lake	83.09 46	P	P	18 11 08.8 +2.3
ISA	comp=Z,2.2nm,0.7s		I	Amb	
PFO	Pinon Flats O	83.25 49	P	P	18 11 09.5 +2.0
PFO	comp=Z,2.2nm,0.7s		I	Amb	
TPO	Pinon Flats	83.25 49	P	P	18 11 10.2 +2.7
TPO	comp=Z,2.2nm,0.7s		I	Amb	
CMB	Columbia Colle	83.28 43	P	P	18 11 07.5 0.0

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CMB	comp=Z,16nm,1.1s		I	Amb	18 11 10.3
SWSC	Sam W. Stewart	83.33 50	P	P	18 11 10.6 +2.9
SWSC	comp=Z,23nm,0.8s		I	Amb	
KRMB	Red Mountain	83.37 39	P	P	18 11 09.0 +1.1
KRMB	comp=Z,2.2nm,0.5s		I	Amb	18 11 11.5
LRMC	Laurel Mtn Rd	83.50 47	P	P	18 11 10.4 +1.8
LRMC	comp=Z,24nm,1.1s		I	Amb	
KXSB	Camp Six Broad	83.59 39	P	P	18 11 07.9 -1.0
KXSB	comp=Z,17nm,1.0s		I	Amb	18 11 12.6
BELC	Belle Mtn, Jos	83.79 49	P	P	18 11 12.6 +2.5
BELC	comp=Z,23nm,0.8s		I	Amb	
CWC	Cottonwood Cre	83.80 46	P	P	18 11 12.4 +2.2
CWC	comp=Z,24nm,1.1s		I	Amb	
GSI	Gungungitoli	83.81 274	P	P	18 11 09.2 -1.3
R17K	Ugashik Creek	83.85 12	P	P	18 11 11.0 +1.3
MPMC	Manual Prospec	83.97 46	P	P	18 11 13.1 +2.1
MPMC	comp=Z,24nm,0.9s		I	Amb	
BC3	Big Chuckawall	83.97 49	P	P	18 11 13.7 +2.7
BC3	comp=Z,23nm,0.8s		I	Amb	
GSC	Goldstone, Bar	83.98 47	P	P	18 11 13.1 +2.1
GSC	comp=Z,23nm,0.8s		I	Amb	
HEC	Hector,Ludlow	84.03 48	P	P	18 11 13.6 +2.3
HEC	comp=Z,23nm,0.8s		I	Amb	
TROLL	Troll, Antarti	84.04 181	↑P	P	18 11 11.4 +0.6
TROLL	comp=Z,45nm,0.5s		I	Amb	
TROLL	comp=Z,224nm,0.9s		pP	pWP	18 13 08.2 +1.8
TIN	Tiniamia, Big	84.07 45	P	P	18 11 14.1 +2.6
TIN	comp=Z,24nm,1.1s		I	Amb	
GLA	Glennam	84.07 50	P	P	18 11 13.8 +2.4
GLA	comp=Z,23nm,0.8s		I	Amb	
YBH	Yreka Blue Hor	84.19 39	P	P	18 11 12.7 +0.8
YBH	comp=Z,23nm,0.8s		I	Amb	
PIX	Pinacate	84.22 52	P	P	18 11 13.1 +0.9
SNA4	Snaa	84.37 179	↑P	P	18 11 12.5 +0.2
SNA4	Snaa	84.37 179	↑P	P	18 11 12.6 +0.3
SNA4	comp=Z,57nm,0.5s		pP	pWP	18 13 09.7 +1.7
SNA4	comp=Z,34nm,0.9s		pP	pWP	18 11 12.7 +0.4
SNA4	Snaa	84.37 179	P	P	18 11 12.7 +0.4
SNA4	comp=Z,2.0nm,0.5s,baz=207,slow=8.0,SNR=6.5		S	ScP	
DSP	Deep Springs	84.42 45	P	P	18 11 13.6 +0.6
GMRC	Granite Mounta	84.46 48	P	P	18 11 15.6 +2.2
GMRC	comp=Z,23nm,0.8s		I	Amb	
IRM	Iron Mountain	84.46 49	P	P	18 11 16.0 +2.6
IRM	comp=Z,23nm,0.8s		I	Amb	
BNX	Binxian	84.51 326	↑P	P	18 11 13.5 +0.3
BNX	comp=Z,7.0nm,0.9s		I	Amb	
BNX	comp=Z,250nm,5.9s		pmax	pmax	
BNX	comp=Z,250nm,5.9s		pmax		

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Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DHY Denali Highway, HHC Hu-ho-hao-te, etc.

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Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like K29M Barlow Dome, D19K Kuna River, etc.

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Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SORM Soroca, MILM Miletii Miri, etc.

THE 12d 18h: 10.9, 35.63N-22.35E, h8km, 1km, ML3. 1/5, Error ellipse: s-maj=2.1km s-min=1.2km az=38.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like ANKY Antikythira Is, KTHA Kythira Island, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, P, S, Pn, Res. Includes stations like MNVA, VLI, VLI, etc.

PDG 12 18:17:58.7, 34.79N, 45.85E, h24km, mb7.3/4

IDC 12 18:18:13.0, 34.96N, 45.87E, h0km, mb6.1/5.0

NAO 12 18:18:14.2, 34.96N, 45.87E, h0km, mb7.4

AFAD 12 18:18:14.0, 34.64N, 45.80E, h20km, MS7.2

ISK 12 18:18:15.6, 34.85N, 45.63E, h5km

ISN 12 18:18:15.0, 34.84N, 45.92E, h7km, ML7.2

AZER 12 18:18:16.0, 34.80N, 45.92E, h19km, Error ellipse:

TEH 12 18:18:16.2, 34.77N, 45.76E, h18km, 22km, ML7.3

BUI 12 18:18:16.0, 34.92N, 45.71E, h20km, mb6.6/81,

GJJ 12 18:18:17.4, 34.93N, 45.79E, h34km, Mm7.3/3

NEIC 12 18:18:17.4, 34.99N, 45.84E, h2km, Moment Tensor

ASTR 12 18:18:22.6, 34.91N, 45.96E, h19km, 1km,

NEIC 12 18:18:17.5, 34.89N, 45.96E, h2km

NEIC 12 18:18:17.4, 34.89N, 45.96E, h2km

THR 12 18:18:17.8, 34.88N, 45.84E, h18km, 4km, mb7.3

IPGP 12 18:18:19.0, 34.93N, 45.79E, h19km, Mw7.4, Fault plane

DSN 12 18:18:19.0, 34.65N, 45.95E, h30km, mb7.1/5,

MOS 12 18:18:20.2, 34.93N, 45.81E, h18km, mb7.0/94,

IPGP 12 18:18:20.2, 34.87N, 45.81E, h18km, mb7.0/94,

IPGP 12 18:18:20.2, 34.87N, 45.81E, h18km, mb7.0/94,

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IPGP 12 18:18:20.2, 34.87N, 45.81E, h18km, mb7.0/94,

IPGP 12 18:18:20.2, 34.87N, 45.81E, h18km, mb7.0/94,

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Main table listing seismic events with columns: Code, Station Name, Azimuth, Elevation, P, S, Pn, Res. Includes stations like ILBA, SDSI, IKRK, etc.

Table listing seismic events with columns: Code, Station Name, Azimuth, Elevation, P, S, Pn, Res. Includes stations like HYR, SNR=52, etc.

Table listing seismic events with columns: Code, Station Name, Azimuth, Elevation, P, S, Pn, Res. Includes stations like HYR, SNR=52, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like GOBA, SENK, SEKA, SEKA, ATGJ, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like MAK, DMLR, ASUZ, SHRO, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like CSS, GEYT, ALIBECK, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like DMTO, OZUR, THAL, MTUR, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like MARR, IGT, MDVR, BMR, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like KECS, ARU, STON, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like Banja Luka, Liptovska Anna, MRVN Mnerivno Murg, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like LOBO Lobor, PTJ Pantjarka, MAUC Maruska, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like KLMR L'Aquila, AQU L'Aquila, AQU L'Aquila, etc.

12d 18h

Table with columns for station name, frequency, power, and other technical details. Includes stations like GOPE, KBA, SHLS, PDGK, etc.

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

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Table with columns for station name, frequency, power, and other technical details. Includes stations like MOX, TATN, FINES, etc.

12d 18h

Table with columns: Station, Location, Frequency, Band, Power, Azimuth, Elevation, and other parameters. Includes stations like GDLE, KIBK, HAMF, MDRS, MBAR, etc.

2017 NOV

Table with columns: Station, Location, Frequency, Band, Power, Azimuth, Elevation, and other parameters. Includes stations like HTL, YLL, GOMU, JBK, WML, etc.

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Table with columns: Station, Location, Frequency, Band, Power, Azimuth, Elevation, and other parameters. Includes stations like PALK, PALK, PALK, PALK, etc.

HSPB	comp=Z,36µm,3.6s	IVmB_BB	18 26 34.9		
TIO	Tiouine	44.36 280 P	P	18 26 26.2 -0.2	
IRK	Irkutsk	44.46 48 eP	P	18 26 27.6 +0.9	
IRK				18 28 13.6	
OUK	comp=Z,8µm,2.1s			18 26 31.0 +1.2	
SPA0	Spitsbergen Ar	45.22 352 I/P	P	18 26 33.0 +0.6	
SPA0				18 26 43.2	
SPA0	comp=Z,80µm,3.1s			18 28 17.8 -0.2	
SPA0		ePP	PP	18 33 11.2 +0.3	
SPITS	Spitsbergen Ar	45.22 352 P	P	18 26 32.5 +0.1	
SPITS					
SPITS	comp=Z,4µm,1.3s			18 26 31.8 -0.6	
SPITS	Spitsbergen Ar	45.22 352 P	P	18 26 31.8 -0.6	
SPITS	comp=Z,235nm,0.5s,baz=135,slow=9.5,SNR=214			18 33 18.9 +8.0	
SPITS		LR	LR	18 46 35.9	
TOAO	comp=Z,136µm,20.1s,baz=118,slow=38			18 26 33.0 -1.1	
TOAO	Torodi Ar. Sit	45.33 253 P	P	18 26 43.9	
TORD	comp=Z,2µm,1.2s			18 26 32.7 -1.3	
TORD	Torodi Ar. Bea	45.33 253 P	P	18 26 44.0	
TORD		IAMB	IAMB	18 26 33.0 -1.0	
TORD	comp=Z,372nm,1.1s,baz=42,slow=7.4,SNR=285			18 48 16.4	
TORD		LR	LR		
TORD	comp=Z,719µm,18.3s,baz=56,slow=40			18 26 35.7 -0.1	
TORD		LR	LR	18 26 39.6 +1.0	
MND	Mandalay	45.56 93 P	P	18 26 47.7	
JMIC	Jan Mayen	46.00 338 I/P	P	18 28 26.4 0.0	
JMIC				18 33 22.6 +0.3	
JMIC		eS	SS	18 36 45.0 -1.9	
JMIC		IVMs_BB	IVMs_BB	18 47 06.3	
JMIC	comp=Z,99µm,18.6s			18 26 37.5 -1.2	
JMIC	Jan Mayen	46.00 338 P	P	18 27 01.4	
JMIC	comp=Z,247nm,0.4s,baz=127,slow=6.3,SNR=6.8			18 26 39.8 +0.8	
JMI	Jan Mayen	46.05 338 I/P	P	18 28 24.7 -2.2	
JMI		ePP	PP	18 33 23.7 +0.7	
JMI		eS	SS	18 36 31.9 -1.1	
JMI		eScS	ScS	18 36 46.1 -1.6	
JMI		SS	SS	18 47 08.6	
JMI		IVMs_BB	IVMs_BB		
SOMM	comp=Z,103µm,16.3s			18 26 40.7 +0.7	
SOMM	Songino Array	46.12 54 P	P	18 26 50.4	
SOMM		IAMB	IAMB	18 26 40.7 +0.7	
SOMM	comp=Z,2µm,1.5s			18 26 40.7 +0.7	
SOMM	Songino Array	46.12 54 P	P	18 26 40.7 +0.7	
SOMM		PMAX	PMAX		
SOMM	comp=Z,2µm,1.5s			18 26 40.8 +0.7	
SOMM	Songino Array	46.12 54 P	P	18 35 13.1 +1.4	
SOMM		PKIKP	PKIKP	18 50 24.6	
SOMM	comp=Z,8.9nm,1.0s,baz=224,slow=4.0,SNR=1.2			18 58 11.8 -1.8	
SOMM		LR	LR	19 04 33.6	
SOMM	comp=Z,8.0nm,1.1s,baz=270,slow=4.4,SNR=2.9				
SOMM		PKPPK P	P		
SOMM		P4KPBc			
SOMM	comp=Z,2.4nm,1.0s,baz=294,slow=5.0,SNR=5.8				
SOMM		PKPPK P	P		
SOMM		P4KPBc			
TNCH	comp=Z,237nm,0.5s			18 26 41.3 +0.2	
TNCH	TengChong	46.20 87 I/P	P	18 26 47.8 +0.1	
TNCH		ePP	PP	18 26 50.7 +0.4	
TNCH		eS	SS	18 28 30.8 +1.2	
TNCH		eScS	ScS	18 33 27.4 +0.7	
TNCH		SS	SS		
TNCH		PMAX	PMAX		
TNCH	comp=Z,1µm,3.0s			18 26 41.2 -0.1	
TNCH		PMAX	PMAX	18 26 50.1	
TNCH	comp=Z,24µm,4.8s			18 28 28.8 -1.2	
TNCH		LR	LR	18 33 28.0 +2.8	
TNCH	comp=Z,271µm,18.3s			18 36 32.4 +0.4	
TNCH		LR	LR	18 47 41.5	
TNCH	comp=Z,144µm,16.3s			18 26 41.4 +0.1	
TNCH		LR	LR	18 26 41.2 -0.1	
TNCH	comp=Z,151µm,27.4s			18 26 41.6 +0.3	
TNCH		LR	LR	18 26 50.1	
KBS	Kingsbay	46.35 351 P	P	18 28 28.8 -1.2	
KBS		IAMB	IAMB	18 33 28.0 +2.8	
KBS		eS	SS	18 36 32.4 +0.4	
KBS		eScS	ScS	18 47 41.5	
KBS		SS	SS		
KBS		IVMs_BB	IVMs_BB		
KBS	comp=Z,116µm,13.6s			18 26 41.4 +0.1	
KBS	Kingsbay	46.35 351 I/P	P	18 26 41.2 -0.1	
KBS		PMAX	PMAX		
KBS	comp=Z,3µm,1.6s			18 26 41.2 -0.1	
KBS		MLR	MLR		
KBS	comp=Z,165µm,19.0s			18 26 41.2 -0.1	
KBS	Kingsbay	46.35 351 P	P	18 26 44.4 +0.6	
KBS	Ulaanbaatar	46.55 54 P	P	18 26 54.7	
ULN		IAMB	IAMB	18 26 44.3 +0.8	
ULN	comp=Z,3µm,1.4s			18 26 44.3 +0.8	
ULN	Ulaanbaatar	46.55 54 P	P	18 33 35.6 +4.4	
ULN		S	S	18 33 35.6 +4.4	
ULN		S	S	18 33 35.6 +4.4	
ULN		S	S	18 26 44.1 +0.5	
ULN		S	S	18 26 44.8 +1.3	
ULN	comp=Z,3µm,1.4s				
ULN		MLR	MLR		
ULN	comp=Z,241µm,14.0s			18 26 45.1 +1.4	
ULN	Cap Gui	46.58 281 P	P	18 26 45.6 +1.5	
ULN	Lanzhou	46.60 71 I/P	P	18 26 53.1 -0.2	
ULN		ePP	PP	18 33 36.3 +4.1	
ULN		eS	SS	18 33 45.8 +2.4	
ULN		eScS	ScS	18 36 48.0 +1.0	
ULN		SS	SS		
ULN		PMAX	PMAX		
ULN	comp=Z,1µm,1.4s			18 26 44.3 +0.8	
ULN		PMAX	PMAX	18 26 45.6 +1.5	
ULN	comp=Z,57µm,5.2s			18 26 53.1 -0.2	
ULN		LR	LR	18 33 36.3 +4.1	
ULN	comp=Z,688µm,20.6s			18 33 45.8 +2.4	
ULN		LR	LR	18 36 48.0 +1.0	
ULN	comp=Z,609µm,19.9s				
ULN		LR	LR		
ULN	comp=Z,797µm,19.2s			18 26 49.8 +3.3	
ULN		LR	LR		
KSMZ	Kasama	46.90 200 Sn	PP	18 26 39.8 +2.7	
KSMZ		I/P	P	18 26 48.3 +1.9	
KSMZ		I/P	P	18 28 48.4 +1.9	
KSMZ		I/P	P	18 26 48.4 +1.9	
KSMZ		I/P	P	18 26 48.4 +1.9	
KSMZ		I/P	P	18 26 48.4 +1.9	
SFNM	Sidi Ifni	47.28 280 P	P	18 26 51.0 +1.7	
CD2	Chendgu	48.19 78 P	P	18 26 56.5 +0.1	
CD2		ePP	PP	18 27 04.9 -0.8	
CD2		eS	SS	18 28 49.2 +0.6	
CD2		S	S	18 33 52.8 -1.9	
CD2		S	S	18 34 06.5 +0.6	
CD2		SS	SS	18 37 21.2 -2.6	
CD2	comp=Z,2µm,0.9s				
CD2		PMAX	PMAX		
CD2	comp=Z,30µm,7.3s				
CD2		LR	LR		
CD2	comp=Z,123µm,14.1s				
CD2		LR	LR		
CD2	comp=Z,295µm,15.9s				
CD2		LR	LR		
CD2	comp=Z,946µm,17.7s				
CD2		LR	LR		
SBV	Sambava	48.21 175 P	P	18 26 58.0 +1.6	
SBV		P	P	18 26 57.7 +1.3	
SBV		SNR=200			
SBV	Sambava	48.21 175 eP	P	18 27 01.5 +5.1	
SBV		eP	P	18 26 57.1 +0.7	
SBV		P	P	18 26 56.0 -0.9	
PZH	PanZhiHua	48.23 84 I/P	P		

PZH		sP	sP	18 27 09.4 +3.4	
PZH		PP	PP	18 28 52.4 +3.2	
PZH		S	S	18 33 53.6 -1.9	
PZH		ScS	ScS	18 36 46.1 -3.1	
PZH		SS	SS	18 37 23.5 -1.3	
PZH		PMAX	PMAX		
PZH	comp=Z,990nm,2.5s				
PZH		PMAX	PMAX		
PZH	comp=Z,50µm,9.9s			LR	LR
PZH	comp=Z,238µm,21.6s			LR	LR
PZH	comp=Z,366µm,19.1s			LR	LR
PZH		LR	LR		
PZH	comp=Z,663µm,23.0s			LR	LR
PBA	Port Blair	48.32 107 eP	P	18 26 57.9 +0.5	
PBA		48.32 107 P	P	18 26 57.4 0.0	
PBA		SNR=50			
PBA	Port Blair	48.32 107 I/P	P	18 26 57.1 -0.3	
ISZGB	Diego Garcia I	48.95 144 P	P	18 27 02.0 -0.2	
ISZGB		baz=21,slow=6.1,SNR=2.7			
H08S3	Diego Garcia H	49.18 144 P	P	18 27 00.7 -3.0	
H08S1	Diego Garcia H	49.19 144 P	P	18 27 00.6 -3.1	
H08S2	Diego Garcia H	49.19 144 P	P	18 27 00.5 -3.3	
H08S3	Diego Garcia H	49.18 144 P	P	18 27 00.7 -3.0	
H08S1	Diego Garcia H	49.19 144 P	P	18 27 00.6 -3.1	
H08S2	Diego Garcia H	49.19 144 P	P	18 27 00.5 -3.3	
BORG	Borghanes	49.40 329 P	P	18 27 06.9 +1.8	
BORG		IAMB	IAMB	18 27 18.1	
BORG	comp=Z,2µm,1.6s			18 27 04.9 -0.2	
BORG	Borghanes	49.40 329 P	P	18 27 04.9 -0.2	
BORG		comp=Z,115nm,0.9s,baz=96,slow=5.3,SNR=17			
BORG		comp=Z,115nm,0.9s			
CHTO	Chiang Mai	49.42 95 P	P	18 27 04.9 -1.0	
CHTO		IAMB	IAMB	18 27 21.6	
CHTO	comp=Z,1µm,0.9s			18 27 06.0 +0.1	
CHTO	Chiang Mai	49.42 95 P	P	18 27 05.3 -0.6	
CHTO		P	P	18 27 05.3 -0.6	
CHTO		P	P	18 27 05.3 -0.6	
CHTO		S	S	18 34 10.2 -2.0	
CHTO		S	S	18 34 10.2 -2.0	
CHTO		S	S	18 34 10.2 -2.0	
CHTO		S	S	18 34 10.2 -2.0	
CHTO	Chiang Mai	49.42 95 I/P	P	18 27 05.0 -0.5	
CHTO	Chiang Mai	49.42 95 P	P	18 27 04.9 -1.0	
CHTO		PMAX	PMAX		
CM31	Chiang Mai Arr	49.60 95 P	P	18 27 05.8 -1.5	
CM31		IAMB	IAMB	18 27 22.9	
CMAR	Chiang Mai Arr	49.60 95 P	P	18 27 05.3 -2.0	
CMAR	Chiang Mai Arr	49.60 95 P	P	18 27 05.8 -1.5	
CMAR		comp=Z,71nm,0.6s,baz=295,slow=7.5,SNR=278			
CMAR		comp=Z,8.4nm,1.0s,baz=297,slow=4.1,SNR=1.7		18 34 19.1 +4.4	
CMAR		LR	LR	18 52 59.3	
CMAR	comp=Z,425µm,20.3s,baz=295,slow=42			18 58 03.5 -1.2	
CMAR	comp=Z,4.2nm,1.1s,baz=36,slow=0.5,SNR=5.1				
CMAR		PKPPK P	P		
CMAR		P4KPBc			
CMAR	comp=Z,2.1nm,0.9s,baz=294,slow=4.9,SNR=10			19 04 47.4	
KMI	Kunming	49.63 85 I/P	P	18 27 07.4 -0.3	
KMI		PKIP	PKIP	18 27 14.3 0.0	
KMI		PP	PP	18 29 05.2 +3.1	
KMI		PP	PP	18 34 08.7 -6.6	
KMI		ScS	ScS	18 36 55.7 -3.1	
KMI		PMAX	PMAX		
KMI	comp=Z,2µm,2.6s			PMAX	PMAX
KMI	comp=Z,56µm,6.6s			LR	LR
KMI	comp=Z,483µm,20.6s			LR	LR
KMI	comp=Z,246µm,20.9s			LR	LR
KMI	comp=Z,630µm,24.0s			LR	LR
BOD	Bodaibo	49.86 41 eP	P	18 27 09.1 +0.4	
BOD		PMAX	PMAX		
CRAI	Chiangrai	49.90 92 IAMB	IAMB	18 27 30.9	
BTO	Baotou	50.06 63 eP	P	18 27 10.9 +0.3	
BTO		PP	PP	18 27 16.4 -0.9	
BTO		PP	PP	18 27 19.6 -0.2	
BTO		PP	PP	18 29 06.2 +0.6	
BTO		S	S	18 34 22.2 +1.4	
BTO		SS	SS	18 37 55.3 +1.6	
BTO		PMAX	PMAX		
BTO	comp=Z,2µm,1.3s			LR	LR
BTO	comp=Z,614µm,23.5s			LR	LR
BTO	comp=Z,103µm,11.0s			LR	LR
BTO	comp=Z,376µm,19.6s			LR	LR
CIT	Chita	50.17 48 eP	P	18 27 12.9 +1.6	
CIT		e	e	18 28 26.5	
CIT		e	e	18 29 07.6	
CIT		e	e	18 30 05.8	
CIT		PMAX	PMAX		
SCO	Scoresbysund	50.19 336 IAMB	IAMB	18 27 23.3	
SCO					

Table with columns: Station, Name, Time, Az, El, Azimuth, Elevation, and other parameters. Includes stations like LBTB, LBTB, LBTB, etc.

Table with columns: Station, Name, Time, Az, El, Azimuth, Elevation, and other parameters. Includes stations like BOSA, Boshof, BOSA, etc.

Table with columns: Station, Name, Time, Az, El, Azimuth, Elevation, and other parameters. Includes stations like BRAK, Graf, Graf, etc.

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Table with columns: ID, Name, Time, Date, Status, Location, etc. Includes entries like A36M Sachs Harbour, A22K Sinclair Lake, etc.

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Table with columns: ID, Name, Time, Date, Status, Location, etc. Includes entries like C26K Camden Bay, BKB Balikpapan, etc.

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Table with columns: ID, Name, Time, Date, Status, Location, etc. Includes entries like ABJI Asem Bagus, F20K Avaraart Lake, etc.

Table with columns: ID, Name, Time, Date, Location, Status, etc. Includes entries like Tanana, Unalakleet, Naaghedeneel, Sangihe, Presque Isle, etc.

Table with columns: ID, Name, Time, Date, Location, Status, etc. Includes entries like Kusilvak Mount, Salcha River, Plampang, Eagle, Harding Lake, etc.

Table with columns: ID, Name, Time, Date, Location, Status, etc. Includes entries like Wrigley, Susitna Watana, Bethel, Dall Lake, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like VLDO, N18K, N18K, N20K, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like N32M, N32M, N32M, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like HCNV, Q23K, MID, etc.

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ACSO	Alum Creek Sta	91.65 323	P	P	18 31 22.1	-0.9
F36A	Milaca	91.67 333	Iamb	Iamb	18 31 32.6	
F36A	Milaca	91.67 333	P	P	18 31 21.9	-1.1
R55A	Marlinton	91.67 320	Iamb	Iamb	18 31 34.2	
R55A	Marlinton	91.67 320	P	P	18 31 22.1	-1.2
R55A	Marlinton	91.67 320	P	P	18 31 22.1	-1.2
P52A	Corning	91.69 323	P	P	18 31 22.5	-0.6
N49A	Columbus Grove	91.70 325	P	P	18 31 21.6	-1.6
N49A	Columbus Grove	91.70 325	P	P	18 31 21.6	-1.6
MORW	Morawa	91.77 125	P	P	18 31 23.1	-0.4
D32B	Dogwood Acres	91.83 336	P	P	18 31 23.8	-0.9
L46A	Eue Claire	91.83 326	Iamb	Iamb	18 31 33.3	
L46A	Eue Claire	91.83 326	P	P	18 31 23.0	-0.8
L46A	Eue Claire	91.83 326	P	P	18 31 23.0	-0.8
U59A	Littleton	91.84 318	IAMS_20	IAMS_20	19 19 28.4	
U59A	Littleton	91.84 318	P	P	18 31 23.1	-0.9
U59A	Littleton	91.84 318	P	P	18 31 23.1	-0.9
SPMN	Marine on St.	91.94 332	Iamb	Iamb	18 31 34.1	
SPMN	Marine on St.	91.94 332	P	P	18 31 24.0	-0.2
SPMN	Marine on St.	91.94 332	P	P	18 31 23.8	-0.4
MEEK	Meskatharra	92.03 121	P	P	18 31 23.9	-0.9
MDND	Maddock	92.05 338	IAMS_20	IAMS_20	19 14 54.0	
MDND	Maddock	92.05 338	P	P	18 31 24.2	-0.5
MDND	Maddock	92.05 338	P	P	18 31 24.5	-0.2
T57A	Hurt	92.17 319	Iamb	Iamb	18 31 38.6	
T57A	Hurt	92.17 319	P	P	18 31 24.0	-1.4
T57A	Hurt	92.17 319	P	P	18 31 24.0	-1.4
I40A	Norwalk	92.18 330	Iamb	Iamb	18 31 34.5	
I40A	Norwalk	92.18 330	P	P	18 31 25.3	-0.1
K43A	Burlington	92.18 328	Iamb	Iamb	18 31 38.2	
K43A	Burlington	92.18 328	P	P	18 31 24.8	-0.6
P51A	Williamsport	92.27 323	Iamb	Iamb	18 31 35.1	
P51A	Williamsport	92.27 323	P	P	18 31 24.9	-0.9
P51A	Williamsport	92.27 323	P	P	18 31 24.9	-0.9
Q52A	Bidwell	92.27 322	IAMS_20	IAMS_20	19 13 45.2	
Q52A	Bidwell	92.27 322	P	P	18 31 25.8	-0.1
Q52A	Bidwell	92.27 322	P	P	18 31 25.8	-0.1
O49A	Covington	92.34 324	IAMS_20	IAMS_20	19 13 08.0	
O49A	Covington	92.34 324	P	P	18 31 25.3	-0.9
O49A	Covington	92.34 324	P	P	18 31 25.3	-0.9
L44A	Lake County Fo	92.42 328	Iamb	Iamb	18 31 35.0	
L44A	Lake County Fo	92.42 328	P	P	18 31 25.7	-0.8
L44A	Lake County Fo	92.42 328	P	P	18 31 24.5	-2.0
N47A	Urbana	92.45 325	IAMS_20	IAMS_20	19 14 31.6	
N47A	Urbana	92.45 325	P	P	18 31 25.7	-1.0
N47A	Urbana	92.45 325	P	P	18 31 25.7	-1.0
R53A	Hurricane	92.59 322	IAMS_20	IAMS_20	19 13 57.7	
R53A	Hurricane	92.59 322	P	P	18 31 26.5	-0.9
R53A	Hurricane	92.59 322	P	P	18 31 26.5	-0.9
BLA	Blacksburg	92.63 320	P	P	18 31 27.1	-0.6
BLA	Blacksburg	92.63 320	P	P	18 31 27.0	-0.6
S54A	Dingess, Beckl	92.66 321	Iamb	Iamb	18 31 38.1	
S54A	Dingess, Beckl	92.66 321	P	P	18 31 26.4	-1.3
S54A	Dingess, Beckl	92.66 321	P	P	18 31 26.4	-1.3
O48B	Farmland	92.68 325	P	P	18 31 26.9	-0.9
O48B	Farmland	92.68 325	P	P	18 31 26.0	-1.7
F33A	5 Mile Ranch	92.70 335	Iamb	Iamb	18 31 37.5	
F33A	5 Mile Ranch	92.70 335	P	P	18 31 26.6	-1.1
HQIL	Hanson Quarry C	92.70 327	Iamb	Iamb	18 31 37.3	
HQIL	Hanson Quarry C	92.70 327	P	P	18 31 27.6	-0.3
CNNC	Cliffs of the	92.71 317	IAMS_20	IAMS_20	19 18 53.4	
CNNC	Cliffs of the	92.71 317	P	P	18 31 27.6	-0.3
CNNC	Cliffs of the	92.71 317	P	P	18 31 27.5	-0.5
Q51A	Peebles	92.76 323	Iamb	Iamb	18 31 37.9	
Q51A	Peebles	92.76 323	P	P	18 31 26.6	-1.6
Q51A	Peebles	92.76 323	P	P	18 31 26.6	-1.6
JFWS	Jewell Farm	92.83 329	IAMS_20	IAMS_20	19 14 28.4	
JFWS	Jewell Farm	92.83 329	Iamb	Iamb	18 31 45.1	
JFWS	Jewell Farm	92.83 329	P	P	18 31 27.5	-0.8
JFWS	Jewell Farm	92.83 329	P	P	18 31 27.2	-1.2
DGMT	Dagmar	92.84 341	IAMS_20	IAMS_20	19 20 42.6	
DGMT	Dagmar	92.84 341	P	P	18 31 28.9	+0.6
DGMT	Dagmar	92.84 341	P	P	18 31 28.7	+0.4
V58A	Windy Hill, Pi	92.98 318	P	P	18 31 28.7	-0.5
V58A	Windy Hill, Pi	92.98 318	P	P	18 31 28.7	-0.5
P49A	Miami Univ. Ec	93.04 324	Iamb	Iamb	18 31 38.7	
P49A	Miami Univ. Ec	93.04 324	P	P	18 31 28.4	-0.9

P49A	Miami Univ. Ec	93.04 324	P	P	18 31 28.4	-0.9
P49A	Miami Univ. Ec	93.04 324	P	P	18 31 28.5	-0.9
W59A	Clinton	93.07 317	IAMS_20	IAMS_20	19 15 07.9	
W59A	Clinton	93.07 317	P	P	18 31 29.5	-0.1
M44A	Midewin, Midew	93.11 327	Iamb	Iamb	18 31 39.2	
M44A	Midewin, Midew	93.11 327	P	P	18 31 29.3	-0.4
M44A	Midewin, Midew	93.11 327	P	P	18 31 29.3	-0.4
KNRA	Kununnurra	93.14 107	IAMS_20	IAMS_20	19 15 51.8	
KNRA	Kununnurra	93.14 107	P	P	18 31 29.1	-1.0
BBB	Bella Bella	93.15 356	Iamb	Iamb	18 31 39.8	
BBB	Bella Bella	93.15 356	P	P	18 31 30.0	0.0
BBB	Bella Bella	93.15 356	LR	LR	19 20 12.4	
I37B	Waseca	93.18 332	P	P	18 31 30.0	0.0
BLDU	Ballidu	93.19 125	P	P	18 31 29.0	-1.1
U56A	King	93.26 319	IAMS_20	IAMS_20	19 14 23.7	
U56A	King	93.26 319	P	P	18 31 30.5	0.0
U56A	King	93.26 319	P	P	18 31 30.5	0.0
L42A	Oliver, Polo	93.33 328	Iamb	Iamb	18 31 40.2	
L42A	Oliver, Polo	93.33 328	P	P	18 31 30.4	-0.3
L42A	Oliver, Polo	93.33 328	P	P	18 31 30.4	-0.3
MTN	Manton Dam	93.40 103	Iamb	Iamb	18 31 38.3	
MTN	Manton Dam	93.40 103	P	P	18 31 31.1	-0.3
P48A	Milroy	93.44 324	Iamb	Iamb	18 31 40.4	
P48A	Milroy	93.44 324	P	P	18 31 30.4	-0.8
P48A	Milroy	93.44 324	P	P	18 31 30.4	-0.8
SMPJ	Sarmi	93.45 90	P	P	18 31 30.3	-1.4
W48A	Waseca	93.49 326	IAMS_20	IAMS_20	19 17 14.3	
W48A	Waseca	93.49 326	P	P	18 31 30.7	-0.8
W48A	Waseca	93.49 326	P	P	18 31 30.7	-0.8
E28A	Huff	93.52 338	IAMS_20	IAMS_20	19 15 39.9	
E28A	Huff	93.52 338	P	P	18 31 31.7	+0.2
E28A	Huff	93.52 338	P	P	18 31 32.6	+0.2
Y60A	Bolivia	93.79 316	IAMS_20	IAMS_20	19 19 57.1	
Y60A	Bolivia	93.79 316	P	P	18 31 32.0	-1.0
Y60A	Bolivia	93.79 316	P	P	18 31 32.0	-1.0
R50A	Paris	93.82 323	Iamb	Iamb	18 31 42.9	
R50A	Paris	93.82 323	P	P	18 31 32.8	-0.2
R50A	Paris	93.82 323	P	P	18 31 32.8	-0.2
U54A	Nelsons Funn	93.89 320	IAMS_20	IAMS_20	19 21 08.3	
U54A	Nelsons Funn	93.89 320	P	P	18 31 33.1	-0.4
U54A	Nelsons Funn	93.89 320	P	P	18 31 33.1	-0.4
W57A	Gilead	93.93 318	P	P	18 31 33.6	0.0
W57A	Gilead	93.93 318	P	P	18 31 33.6	0.0
L40A	Anamosa	93.94 329	Iamb	Iamb	18 31 42.6	
L40A	Anamosa	93.94 329	P	P	18 31 32.6	-0.9
L40A	Anamosa	93.94 329	P	P	18 31 32.6	-0.9
S51A	Beattyville	93.95 322	Iamb	Iamb	18 31 51.1	
S51A	Beattyville	93.95 322	P	P	18 31 33.6	-0.1
S51A	Beattyville	93.95 322	P	P	18 31 33.6	-0.1
X58A	Rowland	94.02 317	IAMS_20	IAMS_20	19 16 56.0	
X58A	Rowland	94.02 317	P	P	18 31 33.3	-0.7
X58A	Rowland	94.02 317	P	P	18 31 33.3	-0.7
V55A	Taylorville	94.07 319	IAMS_20	IAMS_20	19 14 57.3	
V55A	Taylorville	94.07 319	P	P	18 31 34.1	-0.1
V55A	Taylorville	94.07 319	P	P	18 31 34.1	-0.1
H05N1	Guadeloupe/Mar	94.08 293	P	P	18 31 39.8	+5.2
MDP	Montagnes des	94.08 279	LR	LR	19 12 51.2	
K38A	Parkersburg	94.09 331	Iamb	Iamb	18 31 43.2	
K38A	Parkersburg	94.09 331	P	P	18 31 32.8	-1.4
P46A	Rosedale	94.15 326	Iamb	Iamb	18 31 43.7	
P46A	Rosedale	94.15 326	P	P	18 31 33.7	-0.8
P46A	Rosedale	94.15 326	P	P	18 31 35.5	+0.6
R49A	Shelbyville	94.23 323	Iamb	Iamb	18 31 44.5	
R49A	Shelbyville	94.23 323	P	P	18 31 34.0	-0.9
R49A	Shelbyville	94.23 323	P	P	18 31 34.0	-0.9
O44A	Mansfield	94.30 327	Iamb	Iamb	18 31 45.0	
O44A	Mansfield	94.30 327	P	P	18 31 34.6	-0.6
ABD	La Joyeuse, An	94.31 293	IAMS_20	IAMS_20	19 22 50.2	
ABD	La Joyeuse, An	94.31 293	eP	eP	18 31 36.7	+1.1
ABD	La Joyeuse, An	94.31 293	Iamb	Iamb	18 31 45.0	
HDIL	Hopedale	94.32 329	IAMS_20	IAMS_20	19 15 42.7	
HDIL	Hopedale	94.32 329	P	P	18 31 34.9	-0.5
HDIL	Hopedale	94.32 329	S	S	18 42 42.0	-4.2
HDIL	Hopedale	94.32 329	P	P	18 31 34.6	-0.8
KDU	Kakadu	94.39 102	P	P	18 31 35.0	-0.9
MAGL	Barre de l'ile	94.47 293	IAMS_20	IAMS_20	19 21 36.7	
MAGL	Barre de l'ile	94.47 293	eP	eP	18 31 35.1	-1.3
MAGL	Barre de l'ile	94.47 293	P	P	18 31 34.7	-1.4
SMRT	St. Maarten	94.52 295	IAMS_20	IAMS_20	19 22 58.7	
BIRD	Birdtown, Kers	94.57 318	P	P	18 31 36.5	0.0
TMAB	Tom-Au,PA,Br	94.61 270	eP	eP	18 31 36.6	-0.4
ECSD	EROS Data Cent	94.63 334	Iamb	Iamb		

TKL	comp=Z,850nm,1.6s	IAMS_20	IAMS_20	19 16 43.7					
TKL	comp=Z,71um,20.0s								
TKL	Tuckaleechee C	95.57 321	P	P	18 31 40.8	-0.3			
BG3	Lake Jocassee	95.64 320	IAMS_20	IAMS_20	19 22 10.6				
CASEE	Lake Jocassee	95.64 320	P	P	18 31 41.7	+0.2			
USIN	University of	95.69 325	IAMB	IAMB	18 31 50.9				
USIN	comp=Z,104um,21.0s		IAMS_20	IAMS_20	19 16 32.4				
V51A	Loudon	95.75 321	IAMS_20	IAMS_20	19 15 46.5				
V51A	Loudon	95.75 321	P	P	18 31 42.0	+0.1			
ABR01	Abrohosa, BA	95.77 252	eP	P	18 31 44.1	+2.0			
N38A	Jose South For	95.83 330	IAMB	IAMB	18 31 51.6				
N38A	comp=Z,369nm,1.2s		IAMS_20	IAMS_20	19 17 36.8				
N38A	comp=Z,128um,19.0s	95.83 330	P	P	18 31 41.7	-0.5			
NEW	Newport	95.85 349	IAMS_20	IAMS_20	19 21 08.0				
NEW	Newport	95.85 349	IAMB	IAMB	18 31 52.9				
NEW	Newport	95.85 349	P	P	18 31 42.8	+0.6			
NEW	comp=Z,103um,21.0s		S	S	18 42 57.0	-2.1			
NEW	Newport	95.85 349	LR	LR	19 18 31.3				
HODGE	Hodges	95.86 319	IAMS_20	IAMS_20	19 16 03.5				
HODGE	Hodges	95.86 319	P	P	18 31 42.7	+0.3			
GU01	Guaratinga, BA	95.86 254	eP	P	18 31 42.8	+0.2			
RKGY	Rocky Gully	95.86 122	P	P	18 31 42.2	0.0			
U49A	Red Boiling Sp	95.92 323	IAMS_20	IAMS_20	19 19 37.9				
U49A	comp=Z,101um,22.0s		P	P	18 31 41.1	-1.5			
L34A	Svendsen Farm	96.07 333	IAMB	IAMB	18 31 52.3				
L34A	comp=Z,370nm,1.1s		IAMS_20	IAMS_20	19 14 59.8				
L34A	Svendsen Farm	96.07 333	P	P	18 31 41.8	-1.5			
W52A	Murphy	96.08 321	P	P	18 31 42.9	-0.6			
SVB	Belmont	96.08 291	eP	P	18 31 44.2	+0.4			
CPCT	Cooper Cave	96.11 321	IAMS_20	IAMS_20	19 16 48.1				
HAW	Hawthorne Fire	96.16 318	P	P	18 31 43.4	-0.4			
T47A	Sharon Grove	96.20 324	IAMB	IAMB	18 31 53.1				
T47A	comp=Z,602nm,1.8s		IAMS_20	IAMS_20	19 17 48.0				
T47A	Sharon Grove	96.20 324	P	P	18 31 42.4	-1.6			
CLRS	Cowichan Lake	96.21 353	IAMB	IAMB	18 31 56.2				
SLM	Saint Louis	96.33 327	IAMB	IAMB	18 31 54.0				
SLM	comp=Z,616nm,1.4s		IAMS_20	IAMS_20	19 17 40.3				
P40A	Paris	96.39 329	P	P	18 31 44.7	-0.1			
C09A	Chrisman Ranch	96.49 349	IAMS_20	IAMS_20	19 21 58.6				
CLTN	Cedars of Leba	96.53 323	IAMS_20	IAMS_20	19 19 55.9				
SIUC	Southern Illin	96.61 326	IAMB	IAMB	18 31 55.6				
SIUC	comp=Z,330nm,1.1s		IAMS_20	IAMS_20	19 17 51.9				
K30B	Basset	96.62 335	IAMB	IAMB	18 31 56.1				
K30B	comp=Z,531nm,0.3s	96.62 335	P	P	18 31 46.1	+0.2			
S44A	Carbondale	96.65 326	IAMB	IAMB	18 31 55.7				
S44A	comp=Z,323nm,1.1s		IAMS_20	IAMS_20	19 17 52.8				
S44A	Carbondale	96.65 326	P	P	18 31 45.6	-0.3			
MSO	Missoula	96.67 346	IAMS_20	IAMS_20	19 18 56.9				
MSO	comp=Z,71um,20.0s		P	P	18 31 45.9	-0.2			
MSO	Missoula	96.67 346	P	P	18 43 01.3	-5.1			
GMP	Grenada, Carri	96.70 290	eP	P	18 31 46.2	-0.3			
W50A	Signal Mountain	96.71 322	IAMS_20	IAMS_20	19 16 35.9				
W50A	comp=Z,120um,20.0s		P	P	18 31 46.0	-0.4			
MCPB	Macapa, AP	96.72 274	eP	P	18 31 47.7	+1.0			
N35A	Tabor	96.74 332	IAMB	IAMB	18 31 56.1				
N35A	comp=Z,1um,1.9s		IAMS_20	IAMS_20	19 18 36.6				
SJG	San Juan	96.75 297	P	P	18 31 47.8	+1.1			
SJG	San Juan	96.75 297	IAMS_20	IAMS_20	19 24 28.9				
SJG	San Juan	96.75 297	P	P	18 31 47.8	+1.1			
SJG	comp=Z,88nm,0.9s		MLR	MLR					
SJG	comp=Z,122um,21.0s	96.75 297	eP	P	18 31 46.6	-0.1			
RSSD	Black Hills	96.75 339	P	P	18 31 46.8	+0.2			
RSSD	Black Hills	96.75 339	IAMB	IAMB	18 31 56.5				
RSSD	Black Hills	96.75 339	P	P	18 31 47.0	+0.4			
RSSD	comp=Z,370nm,1.3s		S	S	18 43 02.9	-4.5			
RSSD	Black Hills	96.75 339	P	P	18 31 46.8	+0.2			
RSSD	Black Hills	96.75 339	P	P	18 31 46.8	+0.2			
RSSD	comp=Z,370nm,1.3s		MLR	MLR					
R04A	Port Angeles	96.90 353	IAMS_20	IAMS_20	19 19 28.6				
T45A	Paducah	96.91 325	IAMS_20	IAMS_20	19 18 03.9				
T45B	Dawn	96.94 330	IAMS_20	IAMS_20	19 16 46.0				
P38A	Dawn	96.94 330	P	P	18 31 46.9	-0.4			
FVM	French Village	96.95 327	IAMS_20	IAMS_20	19 17 17.8				
FVM	French Village	96.95 327	P	P	18 31 46.4	-0.9			
GRSS	Sisters	96.95 290	eP	P	18 31 41.0	-6.7			
X51A	Calhoun	96.97 321	IAMS_20	IAMS_20	19 24 01.9				
X51A	comp=Z,66um,20.0s	96.97 321	P	P	18 31 46.9	-0.6			
X51A	comp=Z,39,SNR=12		P	P	18 31 46.9	-0.6			
SWET	Seawane	97.02 322	IAMS_20	IAMS_20	19 16 44.9				
GRHS	Sauteurs	97.02 290	eP	P	18 31 47.5	-0.5			
V48A	Smith Brothers	97.05 323	IAMS_20	IAMS_20	19 19 19.7				
V48A	Smith Brothers	97.05 323	P	P	18 31 46.9	-0.9			
GRGR	Mount Saint Ca	97.08 290	eP	Pdf	18 31 48.6	+0.2			
GRGR	Grenville	97.09 290	eP	Pdf	18 31 49.4	+0.9			
GRGR	Grenville	97.09 290	eP	Pdf	18 31 49.3	+0.9			
Y52A	Lilburn	97.10 320	IAMS_20	IAMS_20	19 22 31.4				
Y52A	comp=Z,71um,20.0s		P	P	18 31 46.2	-1.9			
Y52A	Lilburn	97.10 320	P	P	18 31 46.2	-1.9			
Y52A	comp=Z,39,SNR=14		P	P	18 31 46.2	-1.9			
C03A	Quillayute Air	97.11 354	IAMS_20	IAMS_20	19 17 00.5				
GOGA	Godfrey	97.13 319	IAMS_20	IAMS_20	19 16 43.2				

GOGA	Godfrey	97.13 319	P	P	18 31 47.9	-0.4			
GOGA	comp=Z,77um,20.0s		S	S	18 43 05.5	-5.0			
GOGA	Godfrey	97.13 319	P	P	18 31 47.4	-0.8			
CGM3	Cape Girardeau	97.16 326	IAMB	IAMB	18 32 00.3				
CGM3	comp=Z,906nm,1.8s		IAMS_20	IAMS_20	19 18 17.3				
KMBL	Kambalada	97.16 123	P	P	18 31 46.9	-1.3			
BGNE	Belgrade	97.21 334	P	P	18 31 48.1	-0.4			
BGNE	comp=Z,101um,20.0s		S	S	18 43 06.9	-4.2			
BGNE	Belgrade	97.21 334	P	P	18 31 48.2	-0.4			
RLMT	Red Lodge	97.25 343	IAMB	IAMB	18 31 59.0				
RLMT	comp=Z,347nm,1.2s		IAMS_20	IAMS_20	19 19 05.4				
RLMT	comp=Z,111um,19.0s	97.25 343	P	Pdf	18 31 49.6	+0.7			
RLMT	comp=Z,20,SNR=30		S	S	18 43 09.9	-1.8			
CCM	Cathedral Cave	97.26 327	P	P	18 31 48.2	-0.5			
CCM	Cathedral Cave	97.26 327	P	P	18 31 48.1	-0.5			
CCM	comp=Z,62um,20.0s		S	S	18 43 07.1	-4.3			
CCM	Cathedral Cave	97.26 327	P	P	18 31 48.5	-0.2			
CCM	Cathedral Cave	97.26 327	P	P	18 31 48.2	-0.5			
CCM	comp=Z,164nm,1.3s		MLR	MLR					
D08A	Wollman Farm,	97.31 350	IAMS_20	IAMS_20	19 24 42.4				
GNW	Green Mountain	97.31 352	IAMB	IAMB	18 32 00.9				
GNW	comp=Z,344nm,1.1s		IAMS_20	IAMS_20	19 24 04.6				
LTY	Liberty	97.36 351	IAMS_20	IAMS_20	19 23 23.8				
BOZ	Bozeman (W)	97.36 344	IAMS_20	IAMS_20	19 18 20.1				
BOZ	Bozeman (W)	97.36 344	P	Pdf	18 31 49.4	+0.1			
BOZ	comp=Z,18,SNR=27		S	S	18 43 08.0	-4.4			
TABU	Tabubil	97.36 91	P	P	18 31 49.5	-0.1			
FPAL	Fort Payne	97.38 321	IAMS_20	IAMS_20	19 16 45.7				
R40A	Maddies Statio	97.51 328	IAMS_20	IAMS_20	19 17 11.5				
R40A	Maddies Statio	97.51 328	P	P	18 31 49.3	-0.5			
N33A	J Bar K Exete	97.54 333	IAMB	IAMB	18 31 59.4				
N33A	comp=Z,385nm,0.9s		IAMS_20	IAMS_20	19 16 28.7				
N33B	J Bar K Exete	97.54 333	P	P	18 31 49.2	-0.8			
UTMT	University of	97.56 325	IAMB	IAMB	18 31 58.7				
UTMT	comp=Z,702nm,1.7s		IAMS_20	IAMS_20	19 18 32.8				
D05A	Enunclaw	97.59 352	IAMB	IAMB	18 32 00.5				
D05A	comp=Z,433nm,1.4s		IAMS_20	IAMS_20	19 18 11.9				
PARMO	Parma	97.72 325	IAMS_20	IAMS_20	19 17 43.1				
E09A	Wood Farm, Sta	97.72 349	IAMS_20	IAMS_20	19 22 25.3				
255A	Hazlehurst	97.72 318	IAMB	IAMB	18 32 08.8				
255A	comp=Z,490nm,1.6s		IAMS_20	IAMS_20	19 19 06.1				
TRN	Triad (W)	97.80 289	eP	P	18 31 46.5	-5.0			
GLAT	Glass	97.82 325	IAMS_20	IAMS_20	19 18 40.9				
YMP	Mirror Lake Pl	97.83 343	IAMB	IAMB	18 32 10.8				
YMP	comp=Z,503nm,1.7s		IAMS_20	IAMS_20	19 24 21.6				
RIB01	Linhask	97.85 252	eP	Pdf	18 31 52.4	+0.8			
WISH	Wishkah	97.86 353	IAMB	IAMB	18 32 02.4				
E08A	Dider Farm, EI	97.88 350	IAMS_20	IAMS_20	19 25 09.6				
PVMO	Portageville	97.89 325	IAMS_20	IAMS_20	19 18 43.9				
E07A	Sunside	97.93 350	IAMS_20	IAMS_20	19 23 52.0				
PBMA	Poplar Bluff	97.94 326	P	P	18 31 51.1	-0.7			
YHL	Hebgen Lake	97.97 344	IAMS_20	IAMS_20	19 19 05.2				
YHL	comp=Z,119um,18.0s		IAMS_20	IAMS_20	19 20 30.4				
YNR	Yellowstone No	97.97 343	IAMS_20	IAMS_20	19 20 30.5				
YNR	comp=Z,124um,19.0s		IAMS_20	IAMS_20	19 18 34.7				
YNR	Norris Junctio	97.98 343	IAMS_20	IAMS_20	19 20 30.5				
YNR	comp=Z,121um,19.0s		IAMS_20	IAMS_20	19 18 34.7				
HAWA	Hanford	98.05 350	IAMB	IAMB	18 32 02.6				
HAWA	comp=Z,198nm,0.9s		IAMS_20	IAMS_20	19 23 55.1				
LNXT	Lenox	98.05 325	IAMS_20	IAMS_20	19 18 49.0				
YMR	Yonkers River	98.09 3							

MOS 12 18:29:50.5:1.6, 34.84N:45.87E, h17km, mb5.2/7, Error ellipse: s-maj=15.7km s-min=8.5km az=115.2

NEIC 12 18:29:52.1:1.9, 34.92N:0.05:45.59E:0.05, h10km, 1km, mb5.3/15, Error ellipse: s-maj=9.4km s-min=6.8km az=200.0

AZER 12 18:29:52.0:3.4, 34.86N:45.60E, h10km, Error ellipse: s-maj=3.0km s-min=2.5km az=115.0

TEH 12 18:29:54.4, 34.83N:45.73E, h11km, 24km, ML3.5

ISC 12 18:29:52.4:0.5, 34.82N:0.05:45.60E:0.04, h10km, n94, r177/100, mb5.2/10, 7C-2D, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Lists various stations like Dehrash, Ghaleghazi, Komasi, etc.

Table with columns: SPBS, Spitsbergen Ar, PanZhihua, etc. Lists stations and their coordinates.

ISC 12 18:48:54.8:0.7, 34.66N:45.75E, h12km, 7km, ML3.5

TEH 12 18:48:55.9, 34.60N:45.83E, h18km, 17km, ML3.5

ISC 12 18:48:55.3:1.3, 34.62N:0.04:45.79E:0.03, h5km, 13km, n11, r097/16, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like Dehrash, Ghaleghazi, Komasi, etc.

TEH 12 18:52:12.2, 34.51N:45.89E, h6km, 183km, ML3.7

ISC 12 18:52:13.1:0.4, 34.60N:45.97E, h9km, 3km, ML3.8

ISC 12 18:52:15.9:1.1, 34.56N:0.04:45.95E:0.05, h10km, n18, r102/21, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like Dehrash, Ghaleghazi, Komasi, etc.

ISC 12 19:01:27.8:1.5, 34.52N:45.31E, h0km, mb3.9/11, mbtp3.9/13, ML3.7/2, Error ellipse: s-maj=30.0km s-min=21.7km az=2.0

ISC 12 19:01:30.6:1.2, 34.5N:0.2:45.3E:0.1, h18km, n15, r076/15, mb3.9/12, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like Kurchatov Arra, Fines Array, etc.

comp=Z,0.4nm,0.9s,baz=341,slow=4.3,SNR=3.1

IDC 12 19:06:35.0:0.8, 1.34, 67N:45:69E, h0km, mb3.8/6, mbtp3.8/7, ML3.4/1, Error ellipse: s-maj=151.6km s-min=34.7km az=7.0

ISC 12 19:06:36.0:0.6, 34.60N:45.86E, h16km, 7km, ML3.7

TEH 12 19:06:36.4, 34.58N:45.86E, h7km, 29km, ML3.7

AZER 12 19:06:39.4, 34.77N:45.46E, h17km, Error ellipse: s-maj=48.3km s-min=33.0km az=124.0

ISC 12 19:06:37.1:1.1, 34.50N:0.03:45.88E:0.04, h16km, 9km, n31, r187/41, mb3.6/6, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like Dehrash, Ghaleghazi, Komasi, etc.

IDC 12 19:10:27.9:1.8, 34.11N:45.78E, h0km, mb4.0/11, mbtp4.0/15, ML3.6/4, Error ellipse: s-maj=38.3km s-min=17.9km az=28.0

ISC 12 19:10:29.0:0.5, 34.46N:45.99E, h18km, 5km, ML3.5

TEH 12 19:10:30.6, 34.37N:46.06E, h7km, 35km, ML3.5

ISC 12 19:10:31.6:0.6, 34.34N:0.04:46.01E:0.05, h10km, n44, r1945/45, mb4.0/10, 1C-3D, Western Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like Ghaleghazi, Dehrash, Komasi, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DANN, HFS, ZALV, GKN, PKIN, etc.

ISN 12 19:20:14.8, 0.7, 34.98N, 45.83E, h12km, 8km, ML3.4
TEH 12 19:20:15.7, 35.05N, 45.99E, h18km, 53km, ML3.3
ISC 12 19:20:15.1, 0.3, 35.03N, 0.04, 45.95E, 0.05, h10km, n12,

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

AZER 12 19:21:14.3, 2.5, 33.82N, 46.02E, h10km, Error ellipse:
s-maj=27.9km s-min=17.2km az=96.0, Iran-Iraq border region

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

ISC 12 19:25:41.4, 2.6, 35.16N, 45.63E, h0km, mb3, 9/6,
mbtmp3, 8/8, ML4, 1/2, Error ellipse: s-maj=56.1km,
s-min=19.7km az=171.0

ISN 12 19:25:42.3, 0.8, 34.99N, 45.79E, h15km, 11km, ML3.8
TEH 12 19:25:42.4, 34.98N, 45.85E, h8km, 24km, ML3.7
ISC 12 19:25:42.4, 1.2, 34.96N, 0.03, 45.80E, 0.04, h11km, gkm,

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FINES, MKAR, HFS, EKA.

ISN 12 19:28:15.4, 0.6, 34.56N, 46.14E, h10km, 6km, ML3.6
TEH 12 19:28:18.3, 34.55N, 46.26E, h8km, 26km, ML3.5
AZER 12 19:28:24.2, 1.7, 33.67N, 46.44E, h16km, Error ellipse:
s-maj=22.1km s-min=12.7km az=72.0

ISC 12 19:28:17.7, 1.2, 34.54N, 0.03, 46.20E, 0.04, h9km, 10km,
n28, r141/40, 3C, 2D, Western Iran

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

ISC 12 19:36:10.3, 1.6, 16.45S, 177.59W, h0km, mb3, 7/7,
mbtmp3, 7/8, ML4, 7/1, Error ellipse: s-maj=112.6km
s-min=20.2km az=150.0

ISC 12 19:36:16.0, 1.3, 16.45S, 177.8W, 0.3, h35km, n16,
r092/17, mb3, 8/7, Fiji Islands region

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

ISC 12 19:42:16.4, 2.1, 34.55N, 45.59E, h0km, mb4, 0/8,
mbtmp4, 0/8, Error ellipse: s-maj=48.6km s-min=22.8km
az=166.0

TEH 12 19:42:17.8, 34.55N, 45.83E, h13km, 31km, ML3.4
ISN 12 19:42:17.8, 0.4, 34.50N, 45.78E, h12km, 3km, ML3.6
ISC 12 19:42:19.3, 1.6, 34.52N, 0.04, 45.76E, 0.04, h16km, 11km,
n22, r121/27, mb3, 9/8, Iran-Iraq border region

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

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

MOS 12 19:54:06.7, 1.3, 34.71N, 45.51E, h17km, mb4, 4/10, Error
ellipse: s-maj=9.2km s-min=6.6km az=94.8
IDC 12 19:54:06.3, 0.8, 34.73N, 45.53E, h0km, mb4, 1/19,
mbtmp4, 0/30, ML3, 8/9, Error ellipse: s-maj=15.7km
s-min=11.0km az=163.0

NEIC 12 19:54:07.6, 1.9, 34.76N, 0.08, 45.54E, 0.04, h8km, 5km,
mb4, 4/34, Error ellipse: s-maj=11.9km s-min=4.9km
az=191.0

TEH 12 19:54:10.6, 34.72N, 45.71E, h17km, 38km, ML4.1
ISN 12 19:54:10.5, 1.7, 34.69N, 45.67E, h6km, 99km, ML4.0
OMAN 12 19:54:18.2, 2.0, 33.82N, 45.81E, h14km, mb4, 2/22, Error
ellipse: s-maj=15.9km s-min=13.3km az=50.0

GII 12 19:54:36.4, 0.0, 34.83N, 45.51E, h5km
ISC 12 19:54:07.6, 0.4, 34.73N, 0.03, 45.66E, 0.02, h10km, n185,
r227/201, mb4, 2/48, Iran-Iraq border region

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

ISC 12 19:54:07.6, 0.4, 34.73N, 0.03, 45.66E, 0.02, h10km, n185,
r227/201, mb4, 2/48, Iran-Iraq border region

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

12d 19h

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like HOQ, BIDO, BSY, SMD, WSAR, JMDO, WBK, JLJ, etc.

2017 NOV

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like PKIN, NC204, JIRN, RAM, TAPN, etc.

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Table with columns for call sign, name, frequency, mode, and other details. Includes stations like PB02, PB02, PB02, etc.

ADC 12 19:54:57.6, 0.8, 21.725S:68.32W, h107km, 7km, mb3.7/10, mbmp4.0/15, Error ellipse: s-maj=18.1km s-min=13.6km az=108.0

VAO 12 19:54:57.0, 0.5, 21.415S:68.46W, h78km, mb4.7, NEIC 12 19:54:58.0, 3.1, 21.75S:0.03:68.61W:0.08, h123km, 7km, mb4.0/9, ML3.8(GUC), Error ellipse: s-maj=1.1km s-min=0.9km az=102.0

GUC 12 19:54:58.0, 2.2, 21.71S:68.62W, h124km, 5km, ML3.8, SJA 12 19:54:58.1, 2.4, 21.71S:68.53W, h100km, ML3.6, MW3.9

ISC 12 19:54:57.0, 6.2, 21.70S:0.04:68.51W:0.05, h118km, 6km, n115, s152/131, mb4/0.10, SC, Chile-Bolivia border region

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB09, PB09, PB09, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Alice Springs, Toolangi, BBOO, FORT, BATI, NWAO, MJAR, KRSS, Vnda, CMAR, SONM, QSPA, M19K, L19K, J18K, J19K, K20K, J20K, GHO, HIN, CAST, SML, RND, M24K, I21K, IMAR, BWN, N25K, WAX, E19K, MLY, GLB, VVDI, D19K, GRNC, HDA, CTGM, M26K, MENT, IL31, ILAR, G23K, M27K, J25K, SCRK, B21K, DAWY, M30M, NVAR, MKAR, KURBB, ISN 12:20:32:19.1, 0.8, 34.65N, 45.97E, h14km, 64km, ML3.7, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Kafar-mosalman, Mahabad, HSAM, HAGO, RAFI, IJAZR, IHRS, IMRD, GRMI, IDK 12:20:42:15.0, 0.66, 0.21, 49S, 178.54W, h0km, mb4.0/3, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Jabal Madar, Wadi Bani Khal, Wadi Bani Buh, MHTO, DOK, WHFO, BELG, ABTO, ABTO, RBK, AKTO, SHAO, DMTO, DMTO, DMTO, MLR, AKASO, OBN, BVAR, KURBB, FINES, MKAR, HFS, ZALV, NOA, ARCES, EKA, ESDC, TORO, CMAR, ISN 12:20:44:04.8, 34.51N, 45.47E, h14km, 65km, ML3.9, etc.

12d 21h

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

2017 NOV

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like MARNC, LIFOU, PINNC, etc.

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

NOU 12:21:19.13.3.21.30S:168.97E, h0km, MLV3.6/6, Loyalty Islands
IDC 12:21:19.78.0.20.96S:168.20E, h0km, mb3.8/3,

NOU 12:21:19.13.3.21.30S:168.97E, h0km, MLV3.6/6, Loyalty Islands
IDC 12:21:19.78.0.20.96S:168.20E, h0km, mb3.8/3,

Table with columns: IHRs, GRMI, Heris, Germi, 3.66, 16, Pn, Pn, 21 58 31.8 +1.2, 21 58 41.0 +1.0. Includes title 'Iran-Iraq border region' and various station codes like IGHH, IDHR, ILBA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes title 'Iran-Iraq border region' and various station codes like IDHR, IGHH, ILIN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes title 'Iran-Iraq border region' and various station codes like IDHR, IGHH, ILIN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes title 'Iran-Iraq border region' and various station codes like IDHR, IGHH, ILIN, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes title 'Iran-Iraq border region' and various station codes like IDHR, IGHH, ILIN, etc.

M16K	baz=268 Timber Creek baz=263,SNR=124	41.38	38	P	P	22 31 54.1 +1.3
M16K	baz=263			S	S	22 38 08.2 +1.3
N16K	Nishik Lake baz=263,SNR=203	41.41	39	P	S	22 31 54.6 +1.6
N16K	baz=263			S	S	22 38 09.8 +2.5
C17K	Delong Mountai baz=250,SNR=8.7	41.41	26	P	P	22 31 54.1 +1.2
E17K	Hotham Inlet baz=253	41.45	28	P	P	22 31 54.4 +1.2
E17K	baz=253			S	S	22 38 10.5 +2.8
G17K	Kiwalik Mouna baz=256,SNR=35	41.48	31	P	P	22 31 54.9 +1.4
G17K	baz=256			S	S	22 38 12.1 +3.9
F17K	Baldwin Pennin baz=254,SNR=18	41.49	29	P	P	22 31 54.9 +1.4
F17K	baz=254			S	S	22 38 09.9 +1.6
NONG	Nongkai	41.50	253	P	P	22 31 55.7 +1.5
DLV	T Lat	41.62	241	P	P	22 31 57.5 +2.1
H17K	Granite Mouna baz=257	41.65	32	P	P	22 31 56.4 +1.5
H17K	baz=257			S	S	22 38 13.1 +2.3
O16K	Kokwok River B baz=265,SNR=56	41.66	40	P	P	22 31 56.1 +1.1
O16K	baz=265			S	S	22 38 10.9 0.0
P16K	Nushagak River baz=266,SNR=14	41.66	41	P	P	22 31 56.4 +1.4
P16K	baz=266			S	S	22 38 13.7 +2.8
LBM1	Labuha	41.70	207	P	P	22 31 55.7 -0.1
J17K	VABM Dome baz=260	41.70	34	P	P	22 31 56.9 +1.6
J17K	baz=260			S	S	22 38 13.5 +2.0
R16K	Pilot Point baz=268	41.79	43	P	P	22 31 55.9 -0.2
L17K	Donlin baz=262,SNR=149	41.85	36	P	P	22 31 58.4 +1.8
L17K	baz=262			S	S	22 38 16.6 +2.9
K17K	Ititarod baz=261,SNR=159	41.93	35	P	P	22 31 59.0 +1.8
K17K	baz=261			S	S	22 38 19.1 +4.2
KMSI	Cibonngi	41.96	212	P	P	22 31 57.4 -0.5
E18K	Tukpahlearik C baz=254,SNR=12	42.01	28	P	P	22 31 59.4 +1.7
E18K	baz=254			S	S	22 38 19.6 +3.7
DGZ	Jazzart, Alta	42.13	305d	iP	pmx	22 32 00.5 +1.3
DGZ	comp=Z,331nm,1.0s			MLR	MLR	
DGZ	comp=Z,44um,14.0s					
C18K	Utukok River baz=252	42.16	26	P	P	22 31 59.9 +0.9
C18K	baz=252			S	S	22 38 20.9 +2.6
M17K	Holitna River baz=264,SNR=166	42.16	37	P	P	22 32 00.8 +1.6
M17K	baz=264			S	S	22 38 19.6 +1.2
O17K	Koliganek Bris baz=266,SNR=93	42.17	40	P	P	22 32 00.6 +1.4
O17K	baz=266			S	S	22 38 19.3 +0.7
B18K	Kokok River baz=250,SNR=12	42.18	25	P	P	22 32 00.9 +1.7
B18K	baz=250			S	S	22 38 19.7 +1.2
N17K	Nushagak Hills baz=265,SNR=110	42.19	39	P	P	22 32 00.9 +1.5
N17K	baz=265			S	S	22 38 19.9 +1.0
GTOI	Gorontalo	42.33	214	P	P	22 31 59.5 -1.4
Q16K	King Salmon baz=267,SNR=12	42.33	41	P	P	22 32 01.5 +1.0
Q16K	baz=267			S	S	22 38 21.5 +0.6
H18K	Honhosa River baz=259,SNR=42	42.34	32	P	P	22 32 01.8 +1.3
H18K	baz=259			S	S	22 38 21.0 +0.1
G18K	Tagagawik baz=258,SNR=58	42.38	30	P	P	22 32 02.0 +1.2
G18K	baz=258			S	S	22 38 23.6 +2.1
FAKI	Fak Fak	42.39	199	P	P	22 32 00.4 -1.0
FAKI	Fak Fak	42.39	199	P	P	22 32 01.5 +0.2
FAKI	Fak Fak	42.39	199	P	P	22 32 00.0 -1.4
R17K	Ugashik Creek baz=269	42.44	43	P	P	22 32 02.1 +0.7
R17K	baz=269			S	S	22 38 21.4 -1.1
P17K	Kvichak River baz=267,SNR=23	42.47	41	P	P	22 32 02.8 +1.2
RABL	Rabaul	42.51	169	P	P	22 32 03.3 +0.9
KRVT	Keravat (AS076 comp=Z,2um,18.6s,baz=198,slow=34	42.60	170	LR	LR	22 48 32.8
L18K	Granite Mouna baz=263,SNR=115	42.61	36	P	P	22 32 04.4 +1.7
L18K	baz=263			S	S	22 38 27.9 +2.9
A19K	Wainwright baz=250	42.71	24	P	P	22 32 04.9 +1.5
Q17K	Contact Creek baz=268,SNR=31	42.72	42	P	P	22 32 03.4 -0.4
J18K	Innoko River baz=262	42.76	34	P	P	22 32 04.7 +0.7
J18K	baz=262			S	S	22 38 28.1 +1.0
N18K	Kilae Creek baz=266,SNR=113	42.84	38	P	P	22 32 06.5 +1.8
N18K	baz=266			S	S	22 38 29.8 +1.3
C19K	Lookout Ridge baz=253	42.85	26	P	P	22 32 06.0 +1.3
C19K	baz=253			S	S	22 38 29.3 +0.8
CHIR	Chirikof Isan	42.85	46	P	P	22 32 04.8 0.0
CHIR	Chirikof Isan	42.85	46	P	P	22 32 05.1 +0.3
GCSA	Galena City Sc baz=260,SNR=18	42.88	32	P	P	22 32 05.4 +0.5
TOL12	Tolitoli	42.92	217	P	P	22 32 05.3 -0.5
TOL12	Tolitoli	42.92	217	P	P	22 32 06.8 +1.0
F19K	Shaleruckik Mo baz=257,SNR=17	42.93	29	P	P	22 32 05.9 +0.6
F19K	baz=257			S	S	22 38 31.3 +1.8
WMQ	Urumqi	42.93	297	iP	PCs	22 32 07.1 +1.4
WMQ	comp=Z,190nm,1.1s			PCs	PCs	22 37 47.2 -1.3
WMQ	comp=Z,5um,6.9s			pmx	pmx	22 38 32.5 +2.2
WMQ	comp=Z,10um,14.3s			LR	LR	
WMQ	comp=Z,4um,17.3s			LR	LR	
M18K	Stony River baz=265,SNR=130	42.94	37	P	P	22 32 07.0 +1.5
M18K	baz=265			S	S	22 38 31.5 +1.7
MRSI	Marisa	42.94	215	P	P	22 32 05.5 -0.4
TTA	Tatalina	43.01	35	P	P	22 32 07.5 +1.5
TTA	Tatalina	43.01	35	P	P	22 32 07.1 +1.0
TTA	baz=263,SNR=57			S	S	22 38 33.4 +2.5
SVW2	Sparveohn	43.03	38	P	P	22 32 08.2 +2.0
G19K	Purcell Mouna	43.05	30	P	P	22 32 06.2 -0.1

G19K	comp=Z,339nm,1.6s			Iamb	Iamb	22 32 08.5
G19K	Purcell Mouna baz=259,SNR=32	43.05	30	P	P	22 32 07.0 +0.7
G19K	baz=259			S	S	22 38 34.2 +2.8
P18K	Big Mountain, P18K	43.10	40	P	P	22 32 07.4 +0.6
P18K	comp=Z,580nm,1.1s			Iamb	Iamb	22 32 10.0
P18K	Big Mountain baz=268,SNR=54	43.10	40	P	P	22 32 07.8 +1.0
P18K	baz=268			S	S	22 38 34.2 +1.9
O18K	Kokuh Hills baz=267,SNR=51	43.13	40	P	P	22 32 08.4 +1.3
Q18K	Katmai Hardscr baz=269,SNR=16	43.19	41	P	P	22 32 07.5 -0.1
TABU	Tabubil	43.20	185	P	P	22 32 09.2 +1.2
H19K	Roundabout Mou baz=260,SNR=95	43.20	31	P	P	22 32 08.5 +1.1
H19K	baz=260			S	S	22 38 35.4 +1.9
D19K	Kuna River	43.20	27	P	P	22 32 07.6 +0.1
D19K	comp=Z,414nm,1.4s			Iamb	Iamb	22 32 10.0
D19K	Kuna River baz=255,SNR=35	43.20	27	P	P	22 32 08.5 +1.0
D19K	baz=255			S	S	22 38 34.4 +0.9
E19K	Redstone River baz=257	43.27	28	P	P	22 32 09.2 +1.2
E19K	baz=257			S	S	22 38 35.0 +0.4
J19K	Poorman	43.31	34	P	P	22 32 09.6 +1.1
J19K	comp=Z,663nm,1.6s			Iamb	Iamb	22 32 10.8
J19K	Poorman baz=262,SNR=121	43.31	34	P	P	22 32 09.2 +0.7
J19K	baz=262			S	S	22 38 36.3 +1.1
ZAAO	Zalesovo Array	43.37	312	P	P	22 32 09.0 +0.1
ZAAO	comp=Z,294nm,1.2s			Iamb	Iamb	22 32 11.1
ZALV	Zalesovo Beam	43.37	312	P	P	22 32 08.5 -0.4
ZALV	comp=Z,157nm,1.0s,baz=90,slow=5.9,SNR=296			PCP	PCP	22 32 09.2 +0.3
ZALV	comp=Z,66nm,0.7s,baz=93,slow=3.0,SNR=10			LR	LR	22 33 56.8 -0.6
ZALV	comp=Z,8um,20.4s,baz=88,slow=37			LR	LR	22 50 51.2
L19K	White Mountain baz=265,SNR=136	43.46	36	P	P	22 32 10.9 +1.2
L19K	baz=265			S	S	22 38 42.2 +4.7
R18K	Karluk	43.48	43	P	P	22 32 08.7 -1.1
N19K	Bonanza Creek baz=267,SNR=74	43.54	38	P	P	22 32 11.9 +1.5
N19K	baz=267			S	S	22 38 41.9 +3.1
SANI	Sanana	43.55	208	P	P	22 32 10.4 -0.4
SANI	Sanana	43.55	208	P	P	22 32 09.9 -0.9
O19K	Port Aisworth baz=268,SNR=16	43.59	39	P	P	22 32 12.1 +1.4
O19K	baz=268			S	S	22 38 40.9 +1.6
SII	Sitkinak Isan	43.64	44	P	P	22 32 11.2 0.0
SII	comp=Z,242nm,1.0s			Iamb	Iamb	22 32 12.6
SII	Sitkinak Isan	43.64	44	P	P	22 32 13.0 +1.8
SII	Sitkinak Isan	43.64	44	P	P	22 32 11.0 -0.1
M19K	Big River Lodg baz=266,SNR=89	43.66	37	P	P	22 32 12.9 +1.6
M19K	baz=266			S	S	22 38 42.8 +2.5
F20K	Avaraart Lake baz=259	43.76	29	P	P	22 32 13.0 +1.0
F20K	baz=259			S	S	22 38 41.7 0.0
D20K	Styuk River baz=257,SNR=30	43.79	27	P	P	22 32 13.2 +1.0
D20K	baz=257			S	S	22 38 43.3 +1.2
MOKO	NAKOHONG	43.80	270	iP	P	22 32 13.5 +0.5
E20K	Nigu River baz=258	43.84	27	P	P	22 32 13.5 +0.9
E20K	baz=258			S	S	22 38 42.3 -0.6
H20K	Anolteenega Mo baz=262	43.84	31	P	P	22 32 13.6 +1.0
H20K	baz=262			S	S	22 38 44.7 +1.8
Q19K	Cape Douglas, Q19K	43.91	41	P	P	22 32 13.2 -0.1
Q19K	comp=Z,287nm,0.9s			Iamb	Iamb	22 32 15.0
Q19K	Cape Douglas, baz=270,SNR=9.4	43.91	41	P	P	22 32 13.2 -0.1
I20K	Naaghedeneel baz=263,SNR=10	43.91	33	P	P	22 32 14.4 +1.2
B20K	Meade River baz=255	43.92	25	P	P	22 32 14.5 +1.3
B20K	baz=255			S	S	22 38 45.8 +1.8
K20K	Telida baz=265,SNR=88	43.93	35	P	P	22 32 14.8 +1.3
K20K	baz=265			S	S	22 38 47.3 +3.0
LUWI	Luwuk	43.93	213	P	P	22 32 12.5 -1.4
LUWI	Luwuk	43.93	213	P	P	22 32 14.2 +0.3
L20K	Farewell, AK baz=266,SNR=117	43.94	36	P	P	22 32 15.1 +1.6
L20K	baz=266			S	S	22 38 46.9 +2.4
J20K	Novinta River baz=264,SNR=140	43.98	33	P	P	22 32 14.9 +1.2
J20K	baz=264			S	S	22 38 47.2 +2.3
ITAN	ITANAGAR	44.04	271	iP	P	22 32 15.1 +0.3
ITAN	comp=Z,10um,15.8s			Iamb	Iamb	22 38 48.8
ITAN	Old Harbor	44.11	43	P	P	22 32 15.5 -1.4
OHAK	Old Pt	44.12	40	P	P	22 32 15.7 +0.7
P19K	baz=269,SNR=18			S	S	22 38 49.4 +2.1
P19K	baz=269			S	S	22 32 16.2 +0.7
ZSN	Zaisan	44.15	302	iP	P	22 38 50.0 +2.1
ZSN	comp=Z,522nm,1.9s,baz=302			S	S	22 38 50.0 +2.1
ZSN	baz=302			S	S	22 32 16.1 +0.7
ZSN	Zaisan	44.15	302	iP	S	22 38 50.0 +2.1
ZSN	comp=Z,522nm,1.9s			pmx	pmx	22 32 17.7 +1.6
M20K	Styx River baz=267	44.25	37	P	P	22 32 17.7 +1.6
M20K	baz=267			S	S	22 38 51.7 +2.6
NLAI	Namlea	44.26	206	P	P	22 32 15.7 -0.8
NLAI	comp=Z,52nm,0.9s			S	S	22 32 15.7 -0.8
CHTO	Chiang Mai	44.27	258	IAMs_20	IAMs_20	22 51 42.3
CHTO	Chiang Mai	44.27	258	P	P	22 32 18.1 +1.4
CHTO	Chiang Mai	44.27	258	P	P	22 32 17.2 +0.6
CHTO	Chiang Mai	44.27	258	P	P	22 32 17.2 +0.6
CHTO	Chiang Mai	44.27	258	P	P	22 32 52.6 +2.4
CHTO	Chiang Mai	44.27	258	P	P	22 32 52.6 +2.4
IMAR	Indian Mountai Redoubt South	44.37	31	P	P	22 32 17.9 +1.0
RSO	Redoubt South	44.38				

G23K	baz=265	S	S	22 39 14.4 +0.9		
D23K	Nanushuk River	45.95	27	P	P	22 32 30.4 +1.0
D23K	baz=262	S	S	22 39 13.0 -0.4		
MK31	Makanchi Array	46.00	302	d/P	P	22 32 30.5 +0.3
MKAR	Makanchi Array	46.00	302	P	P	22 32 30.9 +0.7
MKAR	comp=Z,52nm,0.8s, baz=84, slow=9.0, SNR=175			PcP		22 34 06.6 0.0
MKAR	comp=Z,28nm,0.9s, baz=77, slow=5.4, SNR=3.6			S	S	22 39 14.5 -0.2
MKAR	comp=Z,3.0nm, 1.0s, baz=64, slow=16, SNR=2.2			LR	LR	22 52 57.9
PMG	SEWARD	46.03	39	P	P	22 32 30.1 +0.1
SEW	baz=272, SNR=45			S	S	22 39 16.5 +1.9
H23K	Yukon River	46.07	31	P	P	22 32 31.9 +1.5
H23K	baz=266, SNR=163			S	S	22 39 16.8 +1.5
C23K	Ikilik River	46.10	26	P	P	22 32 31.9 +1.3
C23K	baz=262			S	S	22 39 15.1 -0.4
I23K	Minto, Yukon-K	46.11	32	P	P	22 32 31.8 +1.1
I23K	comp=Z,413nm,1.4s			Iamb	Iamb	22 32 33.6
I23K	Minto, Yukon-K	46.11	32	P	P	22 32 31.9 +1.3
I23K	baz=267, SNR=122			S	S	22 39 18.5 +2.8
PMR	Palmer	46.15	37	P	P	22 32 30.8 -0.2
PMR	Palmer	46.15	37	P	P	22 32 31.1 +0.1
PMR	Palmer	46.15	37	P	P	22 32 31.1 +0.1
PMR	Palmer	46.15	37	P	P	22 32 30.8 -0.2
NEA2	Nenana	46.21	33	P	P	22 32 32.6 +1.1
NEA2	baz=268, SNR=66			S	S	22 39 21.6 +4.4
MAK2	Makanchi	46.21	302	IAMS_20	IAMS_20	22 52 21.8
E23K	Chandler	46.23	28	P	P	22 32 33.1 +1.3
E23K	baz=264, SNR=155			S	S	22 39 18.0 +0.4
SHL	Shillong	46.24	271	IAMS_20	IAMS_20	22 52 18.5
SHL	comp=Z,6um,19.0s			P	P	22 32 31.9 -0.5
SHL	Shillong	46.24	271	IAMS_20	IAMS_20	22 32 33.7
SHL	SNR=29			x	x	22 32 32.9 +0.5
SHL	SNR=6.2			S	S	22 39 32.6 +1.4
SHL	Shillong	46.24	271	P	P	22 32 32.4 -0.1
GHO	Glory Hole Cre	46.24	37	P	P	22 32 32.2 +0.3
MCK	McKinley	46.24	34	P	P	22 32 32.1 +0.3
MCK	baz=269, SNR=106			S	S	22 39 18.2 +0.4
RND	Reindeer	46.28	35	P	P	22 32 32.5 +0.4
RND	Reindeer	46.28	35	P	P	22 32 32.5 +0.4
RND	comp=Z,799nm,1.2s			MLR	MLR	
TOLK	Toolik Lake Re	46.31	27	P	P	22 32 33.3 +1.0
TOLK	baz=264			S	S	22 39 18.6 -0.1
WAT1	Susitna Watana	46.41	36	P	P	22 32 33.3 +0.1
KNK	Knik Glacier	46.48	37	P	P	22 32 33.9 +0.2
KNK	Knik Glacier	46.48	37	P	P	22 32 34.2 +0.5
KNK	baz=272, SNR=90			S	S	22 39 22.8 +1.6
SML	Sawmill	46.52	37	P	P	22 32 34.6 +0.5
SML	Sawmill	46.52	37	P	P	22 32 34.8 +0.7
SML	baz=271, SNR=126			S	S	22 39 22.7 +0.8
PWL	Port Wells	46.55	38	P	P	22 32 34.6 +0.3
PWL	Port Wells	46.55	38	P	P	22 32 34.4 +0.1
MDM	Murphy Dome	46.58	33	P	P	22 32 35.2 +0.7
WRH	Wood River Hill	46.63	33	P	P	22 32 35.2 +0.4
WRH	comp=Z,89nm,0.8s			Iamb	Iamb	22 32 37.6
D24K	Happy Valley	46.63	27	P	P	22 32 35.9 +1.1
D24K	baz=264			S	S	22 39 24.4 +1.2
E24K	Your Creek	46.66	28	P	P	22 32 36.2 +1.2
E24K	baz=265			S	S	22 39 23.6 0.0
COLA	College	46.74	33	P	P	22 32 37.0 +1.4
COLA	College	46.74	33	P	P	22 32 36.5 +0.9
COLA	baz=269			S	S	22 39 25.7 +1.0
C24K	Franklin Bluff	46.74	26	P	P	22 32 36.5 +0.9
C24K	baz=264			S	S	22 39 28.0 +3.4
H24K	Noodor Dome	46.76	31	P	P	22 32 37.2 +1.3
H24K	baz=268			S	S	22 39 25.4 +0.3
WAT6	Susitna Watana	46.79	36	P	P	22 32 36.6 +0.4
WAT6	baz=271, SNR=165			S	S	22 39 26.1 +0.3
M23K	Glacier View	46.81	37	P	P	22 32 36.8 +0.5
M23K	baz=272, SNR=129			S	S	22 39 26.8 +0.8
SRDT	SRDT	46.82	252	P	P	22 32 39.0 +2.1
F24K	Squaw Lake	46.84	29	P	P	22 32 37.7 +1.2
F24K	baz=266			S	S	22 39 27.9 +1.6
BKB	Balikpapan	46.89	220	P	P	22 32 38.4 +1.1
SAIH	SAIHA	46.91	266	d/P	P	22 32 37.0 -0.7
POKR	Poker Plat Res	46.92	32	P	P	22 32 38.3 +1.2
POKR	baz=269, SNR=268			S	S	22 39 29.0 +1.6
DHY	Denali Highway	46.95	35	P	P	22 32 37.6 +0.1
DHY	Denali Highway	46.95	35	P	P	22 32 37.8 +0.3
DHY	baz=271, SNR=104			S	S	22 39 28.8 +0.7
G24K	Hadweenzic Riv	46.96	30	P	P	22 32 39.1 +1.7
SCM	Sheep Creek Mo	47.00	37	P	P	22 32 38.5 +0.7
SCM	Sheep Creek Mo	47.00	37	P	P	22 32 38.5 +0.7
SCM	baz=272, SNR=146			S	S	22 39 29.2 +0.4
SCM	Sheep Creek Mo	47.00	37	P	P	22 32 38.5 +0.7
SCM	comp=Z,653nm,0.9s			pmx	pmx	
TTS1	Tana Toraja	47.02	215	P	P	22 32 37.1 -1.3
P23K	Montague Inan	47.06	39	P	P	22 32 39.1 +0.9
P23K	baz=274, SNR=39			S	S	22 39 28.3 -1.1
HDA	Harding Lake	47.12	33	P	P	22 32 38.5 -0.2
HDA	Harding Lake	47.12	33	P	P	22 32 38.5 -0.2
HDA	baz=270, SNR=144			S	S	22 39 30.1 -0.2
HDA	baz=270			S	S	22 39 30.1 -0.2
IL31	Eielson Array	47.15	33	P	P	22 32 39.1 +0.3
ILAR	Eielson Array	47.15	33	P	P	22 32 38.8 -0.1

ILAR	Eielson Array	47.15	33	P	P	22 32 38.8 -0.1
ILAR	Eielson Array	47.15	33	P	P	22 32 38.6 -0.2
ILAR	comp=Z,103nm,0.8s, baz=258, slow=5.6, SNR=466			PcP	PcP	22 34 08.5 -1.8
GLI	Glacier Island	47.16	38	P	P	22 32 38.8 -0.2
GLI	Glacier Island	47.16	38	P	P	22 32 39.4 +0.4
GLI	baz=273			S	S	22 39 33.2 +2.4
PMG	Port Moresby	47.21	177	P	P	22 32 39.8 0.0
PMG	Port Moresby	47.21	177	P	P	22 32 51.0
PMG	Port Moresby	47.21	177	P	P	22 32 41.1 +1.3
PMG	Port Moresby	47.21	177	P	P	22 32 41.3 +1.5
PMG	Port Moresby	47.21	177	P	P	22 32 39.4 -0.4
PMG	comp=Z,199nm,1.2s			pmx	pmx	
PMG	Port Moresby	47.21	177	LR	LR	22 53 14.6
FID	Port Fidalgo	47.47	38	P	P	22 32 41.6 +0.2
G25K	Bearman Lake	47.50	30	P	P	22 32 43.3 +1.7
D25K	Kavik River	47.52	27	P	P	22 32 42.9 +1.1
D25K	baz=266			S	S	22 39 40.1 +4.2
M24K	Tolsona, Glenn	47.53	36	P	P	22 32 43.3 +1.3
M24K	baz=273, SNR=142			S	S	22 39 35.2 -1.1
KURK	Kurchatov	47.56	308	P	P	22 32 42.5 +0.2
KURK	Kurchatov	47.56	308	IAMS_20	IAMS_20	22 52 40.4
KURK	Kurchatov	47.56	308	P	P	22 32 42.3 0.0
KURK	Kurchatov	47.56	308	P	P	22 39 36.1 -0.8
KURK	Kurchatov	47.56	308	P	P	22 32 42.1 -0.2
AGT	Agartala	47.57	269	I/P	I/P	22 32 44.5 +1.8
AGT	AGT	47.57	269	x	x	22 39 48.0
H25L	Birch Creek	47.61	31	P	P	22 32 44.2 +1.8
H25L	baz=270			S	S	22 39 41.8 +4.7
Q23K	Middleton Isla	47.64	40	P	P	22 32 44.0 +1.3
KURBB	Kurchatov Arra	47.64	308	P	P	22 32 43.0 +0.1
KURBB	comp=Z,227nm,0.9s, baz=82, slow=8.3, SNR=555			PcP	PcP	22 34 11.3 -0.9
KURBB	comp=Z,21nm,0.8s, baz=81, slow=8.5, SNR=1.1			S	S	22 39 37.2 -0.8
KURBB	comp=Z,0.3nm,0.3s, baz=74, slow=11.1, SNR=1.7			LR	LR	22 53 07.1
KURBB	comp=Z,3um,20.5s, baz=82, slow=36			P	P	22 32 43.0 +0.1
KURBB	comp=Z,0.5nm,0.2s, baz=306, slow=3.3, SNR=4.2			P	P	22 32 43.0 +0.1
KURBB	comp=Z,227nm,0.9s			P	P	22 32 43.0 +0.2
MID	Middleton Isla	47.64	40	P	P	22 32 45.2 +2.5
K24K	Donnelly Dome	47.65	34	P	P	22 32 43.0 +0.2
MTKI	Muara Teweh, K	47.66	223	P	P	22 32 43.4 0.0
KLU	Klutina	47.69	37	P	P	22 32 44.5 +1.3
F25K	Christian Rive	47.70	29	P	P	22 32 45.0 +1.8
F25K	baz=268, SNR=96			S	S	22 39 46.2 +2.0
PRP	Porcupine Dome	47.73	32	P	P	22 32 43.8 +0.3
PRP	PRP	47.73	32	P	P	22 32 45.9
PRP	Porcupine Dome	47.73	32	P	P	22 32 43.9 +0.4
PRP	baz=270, SNR=40			S	S	22 39 40.4 +1.2
E25K	Arctic Village	47.75	28	P	P	22 32 45.2 +1.7
E25K	baz=268, SNR=104			S	S	22 39 42.8 +3.6
J25K	Salcha River,	47.80	33	IAMS_20	IAMS_20	22 50 45.0
J25K	comp=Z,4um,18.0s			P	P	22 32 43.4 -0.6
J25K	Salcha River,	47.80	33	P	P	22 39 36.3 -3.8
J25K	baz=271, SNR=40			S	S	22 39 36.3 -3.8
PAX	Paxson	47.82	35	P	P	22 32 44.8 +0.6
PAX	baz=273, SNR=92			S	S	22 39 40.6 +0.2
EYAK	Cordova Ski Ar	47.84	39	P	P	22 32 46.0 +1.8
EYAK	Cordova Ski Ar	47.84	39	P	P	22 32 45.6 +1.3
EYAK	baz=275, SNR=62			S	S	22 39 40.9 +0.3
HARP	HAARP	47.89	36	P	P	22 32 47.0 +1.5
HARP	baz=274, SNR=35			P	P	22 32 47.0 +1.5
GTK	Tadong	48.00	275	d/P	d/P	22 32 46.0 -0.1
GTK	GTK	48.00	275	Iamb	Iamb	22 32 48.7
BBS1	Bau Bau	48.03	211	P	P	22 32 46.0 -0.2
C26K	Camden Bay	48.07	26	P	P	22 32 47.7 +1.8
C26K	comp=Z,100nm,1.3s, comp=Z,3um			P	P	22 32 47.7 +1.8
C26K	baz=267, SNR=144			S	S	22 39 43.9 +0.3
F26K	Sheenjek River	48.28	29	P	P	22 32 49.7 +2.1
F26K	baz=270, SNR=233			S	S	22 39 48.3 +1.6
KSM	Kuching	48.30	230	P	P	22 32 50.3 +1.9
N25K	Chitina, Valde	48.31	37	P	P	22 32 49.3 +1.3
N25K	baz=275, SNR=74			S	S	22 39 47.3 -0.1
BMRM	Bremner River	48.36	38	P	P	22 32 49.6 +1.2
BMRM	baz=275, SNR=80			S	S	22 39 50.9 +2.8
G26K	Porcupine Rive	48.42	30	P	P	22 32 50.5 +1.8
G26K	baz=271			S	S	22 39 50.8 +2.2
SCRK	Sand Creek	48.43	34	P	P	22 32 49.2 +0.2
SCRK	Sand Creek	48.43	34	P	P	22 32 49.2 +0.2
SCRK	baz=273, SNR=222			S	S	22 32 49.4 +0.1
SLGI	Shilgiri	48.43	274	d/P	d/P	22 32 51.4 +1.6
KAIM	Kayak Island	48.56	39	P	P	22 32 51.4 +1.6
J26L	Joseph Creek	48.59	33	P	P	22 32 49.8 -0.3
J26L	baz=273			S	S	22 39 51.7 +3.4
MENT	Mentasta	48.62	35	P	P	22 32 52.0 +1.7
TAPN	Taplejung	48.69	275	eP	eP	22 32 52.4 +0.8
I26K	Coal Creek Min	48.72	32	P	P	22 32 50.6 -0.4
STKI	Sintang	48.74	227	P	P	22 32 51.5 -0.3
L26K	Log Cabin Wild	48.78	35	P	P	22 32 53.1 +1.5
L26K	baz=275			S	S	22 39 56.4 +2.5
KAPI	Kappang	48.80	214	P	P	22 32 53.3 +1.2
KAPI	Kappang	48.80	214	P	P	22 32 52.9 +0.7
KAPI	Kappang	48.80	214	d/P	d/P	22 32 56.5 +1.5
KAPI	Kappang	48.80	214	d/P	d/P</	

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like OBNS, OBNS, OBNS, etc.

2017 NOV

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like EAGLETON, EAGLETON, EAGLETON, etc.

12d 22h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like GARNI, GARNI, GARNI, etc.

12d 22h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like 4F2A Maple Grove Fa, N35A Tabor, KULA Kula-Hanna, etc.

2017 NOV

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like KOMA Kolafin, ABTA Abfalterbach, LLG Lushyehlyin, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like S39A Bolivar, S39A Abi, ANX Abilene, etc.

544A	Carbondale	89.60	40	P	P	22 37 04.4	-0.3
M50A	Fremont	89.63	34	P	P	22 37 04.3	-0.4
M50A	baz=324,SNR=7.3					22 37 04.3	-0.4
MIAR	Mount Ida	89.66	45	P	P	22 37 05.2	+0.2
MIAR	Mount Ida	89.66	45	P	P	22 37 04.7	-0.3
TCF	Touix Ste Croi	89.67	335	eP	P	22 37 04.8	-0.1
TCF	comp=Z,144nm,1.2s						
PBMO	Poplar Bluff	89.69	41	P	P	22 37 04.9	-0.2
Z38A	Mt. Pleasant	89.81	46	P	P	22 37 05.2	-0.4
LCAR	Lake Charles	89.84	42	P	P	22 37 05.3	-0.4
J54A	Appleton	89.94	30	P	P	22 37 05.9	-0.2
J54A	comp=Z,246nm,1.4s						
J54A	Appleton	89.94	30	P	P	22 37 05.8	-0.3
J54A	baz=327,SNR=12					22 37 05.8	-0.3
D62A	Allapoint, All	89.99	22	P	P	22 37 05.8	-0.5
D62A	baz=334,SNR=20					22 37 05.8	-0.5
O49A	Covington	90.02	36	P	P	22 37 06.2	-0.3
O49A	baz=323,SNR=30					22 37 06.2	-0.3
O49A	baz=323,SNR=30					22 37 06.2	-0.3
435B	Jarrell	90.06	50	P	P	22 37 06.7	-0.2
435B	baz=316					22 37 07.0	+0.1
Jarrell	baz=316					22 37 06.8	0.0
VIVF	Saint-Julien-I	90.07	333	eP	P	22 37 06.8	0.0
VIVF	comp=Z,45nm,1.0s						
P48A	Milroy	90.10	37	P	P	22 37 06.5	-0.4
P48A	baz=323,SNR=13					22 37 06.5	-0.4
MEDO	Medina	90.10	30	IAMs_20	IAMs_20	23 23 29.3	
X40A	Basin Creek Fa	90.12	44	P	P	22 37 06.9	-0.2
X40A	baz=318,SNR=29					22 37 06.9	-0.2
MFF	Saint Martin d	90.15	337	eP	P	22 37 07.0	-0.1
MFF	comp=Z,134nm,1.1s						
M52A	Chesterland	90.25	33	P	P	22 37 07.6	0.0
M52A	baz=325,SNR=15					22 37 07.6	0.0
E62A	Clayton Lake	90.26	23	P	P	22 37 07.1	-0.5
E62A	baz=334,SNR=17					22 37 07.1	-0.5
J55A	Hilton	90.27	30	P	P	22 37 07.3	-0.3
J55A	baz=328,SNR=17					22 37 07.3	-0.3
N51A	Ashland	90.32	34	P	P	22 37 07.5	-0.4
N51A	baz=325,SNR=11					22 37 07.5	-0.4
LONV	Lake Ozonia	90.33	27	P	P	22 37 07.4	-0.6
ERPA	Erie	90.35	32	P	P	22 37 08.3	+0.2
ERPA	Erie	90.35	32	P	P	22 37 08.0	-0.1
P49A	Miami Univ. Ec	90.37	36	P	P	22 37 08.1	-0.1
P49A	baz=323,SNR=34					22 37 07.6	-0.6
WCVN	West Carthage	90.49	28	P	P	22 37 07.4	-1.3
FRNY	Flat Rock	90.49	26	P	P	22 37 07.5	-1.2
ACSO	Alum Creek Sta	90.60	35	P	P	22 37 09.3	0.0
ACSO	Alum Creek Sta	90.60	35	P	P	22 37 09.2	0.0
M53A	WI Miller and	90.62	33	P	P	22 37 09.6	+0.2
J56A	Wolcott	90.63	29	P	P	22 37 08.9	-0.4
J56A	baz=328,SNR=14					22 37 08.9	-0.4
WCI	Wyandotte Cave	90.65	38	P	P	22 37 09.5	0.0
WCI	Wyandotte Cave	90.65	38	P	P	22 37 09.4	-0.1
ALLY	Alegheny Coile	90.68	32	P	P	22 37 09.4	-0.2
833A	Chaparral WMA	90.68	53	P	P	22 37 10.2	+0.4
833A	Chaparral WMA	90.68	53	P	P	22 37 10.3	+0.5
F62A	Pittsford Farm	90.77	24	P	P	22 37 09.3	-0.7
F62A	baz=333,SNR=40					22 37 09.3	-0.7
E63A	Oxbow	90.77	22	P	P	22 37 09.4	-0.5
E63A	baz=334,SNR=16					22 37 09.4	-0.5
RJF	Les Rejaudoux	90.77	335	eP	P	22 37 10.0	0.0
RJF	comp=Z,272nm,1.4s						
J57A	Williamstown	90.85	29	P	P	22 37 10.0	-0.4
J57A	baz=329,SNR=30					22 37 10.0	-0.4
CAF	Calviac	90.92	335	eP	P	22 37 11.2	+0.5
CAF	comp=Z,178nm,1.1s						
PAOC	Oil Creek Stat	90.98	32	S	S	22 48 08.8	+0.8
NCB	Newcomb	91.02	27	P	P	22 37 10.6	-0.5
Z41A	Richland Creek	91.05	45	P	P	22 37 12.0	+0.5
Z41A	baz=318,SNR=11					22 37 12.0	+0.5
N53A	Lisbon	91.08	33	P	P	22 37 11.0	-0.5
N53A	baz=326,SNR=15					22 37 11.0	-0.5
N53A	baz=326,SNR=15					22 48 09.5	+0.6
N53A	baz=326					22 48 09.5	+0.6
NATX	Nacogdoches	91.09	47	P	P	22 37 12.0	+0.3
NATX	Nacogdoches	91.09	47	P	P	22 37 11.8	+0.1
R49A	Shelbyville	91.14	37	P	P	22 37 11.8	0.0
R49A	baz=323,SNR=13					22 37 11.8	0.0
J58A	Remsen	91.16	28	P	P	22 37 11.3	-0.5
J58A	baz=330,SNR=32					22 37 11.3	-0.5
P51A	Williamsport	91.17	35	P	P	22 37 11.5	-0.5
P51A	baz=324,SNR=17					22 37 11.5	-0.5
G62A	West of Eustis	91.19	24	P	P	22 37 12.1	+0.2
G62A	baz=333,SNR=26					22 37 12.1	+0.2
O52A	Adamsville	91.21	34	P	P	22 37 11.5	-0.6
O52A	baz=325,SNR=16					22 37 11.5	-0.6
F63A	Nahmakanta, Br	91.21	23	P	P	22 37 12.2	+0.2
F63A	baz=334,SNR=12					22 37 12.2	+0.2
VT1	Waterbury	91.22	26	P	P	22 37 12.2	+0.1

474A	Sharon Grove	91.23	39	P	P	22 37 12.2	-0.1
474A	baz=322,SNR=33						
K57A	Scipio Center	91.23	29	P	P	22 37 11.7	-0.5
K57A	baz=329,SNR=17						
735A	Kendy	91.29	51	IAMs_20	IAMs_20	23 18 46.5	
F64A	Sherman	91.30	23	P	P	22 37 11.8	-0.5
F64A	baz=334,SNR=14					22 37 11.8	-0.5
L56A	Greenwood	91.32	30	P	P	22 37 12.3	-0.4
L56A	baz=328,SNR=18					22 37 12.3	-0.4
J59A	Piesco	91.36	28	P	P	22 37 12.4	-0.3
J59A	baz=330,SNR=35					22 37 12.4	-0.3
O53A	New Philadelphia	91.37	34	P	P	22 37 12.8	0.0
O53A	baz=325,SNR=14					22 37 12.5	-0.5
M55A	Ridgway	91.40	31	P	P	22 37 12.5	-0.5
M55A	baz=327,SNR=14					22 37 12.5	-0.5
Q51A	Peebles	91.41	36	P	P	22 37 13.2	+0.1
Q51A	baz=324,SNR=34					22 37 13.2	+0.1
Q51A	baz=324,SNR=34					22 37 12.9	-0.4
MCVT	Midlebury Col	91.47	26	P	P	22 37 13.2	0.0
MCVT	baz=331,SNR=16					22 37 14.0	+0.5
PKME	Peaks-Kenny Pk	91.54	23	P	P	22 37 13.3	-0.2
PKME	baz=334,SNR=15					22 37 13.5	-0.2
R50A	Paris	91.55	37	P	P	22 37 13.5	-0.2
R50A	baz=323,SNR=17					22 37 14.1	+0.5
H62A	Milnan	91.55	25	P	P	22 37 14.1	+0.5
H62A	baz=332,SNR=32					22 37 14.1	+0.5
LBNH	Lisbon	91.59	26	P	P	22 37 14.0	+0.2
LBNH	baz=332,SNR=12					22 37 13.7	-0.1
PSDB	Penn State Uni	91.69	31	P	P	22 37 14.8	+0.5
PSDB	baz=327					22 37 14.1	-0.2
UPAO	U. Pittsburgh	91.69	33	P	P	22 37 14.1	-0.2
UPAO	baz=326					23 18 22.1	
HKT	Hockley	91.71	49	IAMs_20	IAMs_20	23 18 22.1	
HKT	comp=Z,2um,20.0s					22 37 15.1	+0.6
HKT	Hockley	91.71	49	iP	P	22 37 14.7	+0.2
HKT	baz=317						
HKT	comp=Z,113nm,1.7s						
ACCN	Adirondack Com	91.73	27	P	P	22 37 13.9	-0.5
ACCN	baz=331,SNR=25					22 37 14.7	-0.1
O54A	Aveila	91.79	33	P	P	22 37 14.7	-0.1
O54A	baz=326					22 37 15.3	+0.1
O54A	baz=326					22 37 15.0	-0.3
BINY	Binghamton	91.89	29	P	P	22 37 15.3	+0.1
BINY	baz=329,SNR=10.0					22 37 15.6	+0.2
P53A	Whipple	91.92	34	P	P	22 37 15.6	+0.2
P53A	baz=325,SNR=11					22 37 15.5	-0.1
OXF	Oxford	91.95	42	P	P	22 37 15.5	-0.1
OXF	baz=328,SNR=24					22 37 15.9	+0.3
OXF	Oxford	91.95	42	P	P	22 37 15.9	+0.3
Q52A	Bidwell	91.96	35	P	P	22 37 14.7	-0.9
Q52A	baz=325,SNR=8.9					22 37 16.0	-0.1
WVL	Waterville	92.05	24	P	P	22 37 16.0	-0.1
WVL	baz=334,SNR=15					22 37 14.6	-1.4
HCNY	Howe Caverns	92.06	28	P	P	22 37 14.6	-1.4
HCNY	baz=330,SNR=6.4					22 37 16.1	-0.1
I62A	Tamworth	92.11	25	P	P	22 37 16.1	-0.1
I62A	baz=332,SNR=8.9					23 21 56.3	
VAE	Valguarnera	92.13	323	LR	LR	23 21 56.3	
G65A	Princeton	92.13	22	P	P	22 37 16.3	+0.1
G65A	comp=Z,3um,21.2s,slow=38					22 37 16.3	+0.1
G65A	baz=335,SNR=13					22 37 16.0	-0.4
J61A	Chester	92.16	26	P	P	22 37 16.0	-0.4
J61A	baz=331,SNR=11					22 37 16.2	-0.3
M57A	Sunshine Farm	92.17	30	P	P	22 37 16.2	-0.3
M57A	baz=328,SNR=16					22 37 17.6	+0.9
I63A	Otisfield	92.21	25	P	P	22 37 17.6	+0.9
I63A	baz=333,SNR=20					22 37 18.1	+1.1
143A	Socs Landing	92.24	45	P	P	22 37 18.1	+1.1
143A	baz=319,SNR=6.4					22 37 16.3	-0.6
L59A	Walton	92.25	29	P	P	22 37 16.3	-0.6
L59A	baz=330,SNR=19					22 37 16.6	-0.4
U49A	Red Boiling Sp	92.26	39	P	P	22 37 16.6	-0.4
U49A	baz=322,SNR=28					22 37 17.0	+0.1
MTLF	Montleou	92.26	334	eP	P	22 37 17.0	+0.1
MTLF	comp=Z,87nm,1.1s						
TRY	Troy	92.30	27	P	P	22 37 16.4	-0.7
TRY	baz=331,SNR=8.6					22 37 16.5	-0.8
T50A	Nancy	92.31	38	P	P	22 37 16.5	-0.8
T50A	baz=323					22 37 16.5	-0.8
T50A	baz=323					23 22 03.3	
ATD	Arta Tunnel	92.34	286	LR	LR	23 22 03.3	
ATD	comp=Z,38nm,19.9s,slow=38					22 37 16.5	-0.9
V48A	Smith Brothers	92.34	40	P	P	22 37 16.5	-0.9
V48A	baz=322,SNR=18					22 37 17.6	0.0
Y45A	Yeager Farm, C	92.38	43	P	P	22 37 17.6	0.0
Y45A	baz=320,SNR=20					22 37 17.0	-0.7
S51A	Beattyville	92.41	37	P	P	22 37 17.0	-0.7
S51A	baz=324,SNR=13					22 37 18.3	0.0
S51A	baz=324,SNR=13					22 37 18.0	+0.1
MSEY	Mahe Island	92.45	266	P	P		

12d 22h

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like X58A Rowland, CNNO Chiffs the, MVO Moncorvo, etc.

2017 NOV

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like VNA3 Neumayer Olymp, VNA1 Neumayer-Stat, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like ABTA Abfattersbach, ARSA Arzberg, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like IBZA, IKFM, MAHB, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like WSRW, Wadi Sarin, MIFTR, Mufartat, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like USRK, Ussuriysk Ar., KRSR, Korea Array, etc.

12d 23h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like GHaleghazi, Iliam Banvizeh, etc.

ISN 12 22:52:45.4-1.0, 34.90N-45.74E, h13km, 10km, ML3.0
TEH 12 22:52:45.5, 34.87N-45.74E, h12km, 31km, ML3.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like Dehrash, Ghaleghazi, etc.

ISN 12 22:53:56.8-1.4, 34.69N-45.77E, h6km, 57km, ML3.1
TEH 12 22:53:57.1, 34.71N-45.79E, h11km, 13km, ML3.3

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like Dehrash, Ghaleghazi, etc.

ISN 12 22:59:04.0-2.0, 34.86N-45.76E, h14km, 50km, ML2.6
TEH 12 22:59:07.0, 34.86N-45.76E, h10km, 72km, ML2.6

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like Dehrash, Ghaleghazi, etc.

ISN 12 23:01:40.5-1.3, 34.75N-45.70E, h6km, 55km, ML2.5
TEH 12 23:01:41.0, 34.76N-45.72E, h9km, 130km, ML2.5

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like Dehrash, Ghaleghazi, etc.

ISN 12 23:02:08.5-1.5, 22.19N-144.16E, h0km, mb3.5, 5,
mbtmp3.5/5, Error ellipse: s-maj=52.7km s-min=20.9km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like Dehrash, Ghaleghazi, etc.

2017 NOV

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like Chichijima, WAKE ISLAND, etc.

IDC 12 23:07:37.9-1.2, 14.87N-145.53E, h134km, 11km,
mb3.8/14, mbtmp4.2/14, MS4.2/1, Error ellipse:
s-maj=22.3km s-min=15.5km az=77.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like Guam, WAKE ISLAND, etc.

IDC 12 23:07:39.8-0.5, 14.80N-145.45E, h150km, n96,
0.86/93, mb4.2/44, Mariana Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like Guam, WAKE ISLAND, etc.

IDC 12 22:59:04.0-2.0, 34.86N-45.76E, h14km, 50km, ML2.6
TEH 12 22:59:07.0, 34.86N-45.76E, h10km, 72km, ML2.6

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like Dehrash, Ghaleghazi, etc.

IDC 12 23:01:40.5-1.3, 34.75N-45.70E, h6km, 55km, ML2.5
TEH 12 23:01:41.0, 34.76N-45.72E, h9km, 130km, ML2.5

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like Dehrash, Ghaleghazi, etc.

ISN 12 23:02:08.5-1.5, 22.19N-144.16E, h0km, mb3.5, 5,
mbtmp3.5/5, Error ellipse: s-maj=52.7km s-min=20.9km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like Dehrash, Ghaleghazi, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like J25K, VRDI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like BRVK, E27K, etc.

ISN 12 23:08:17.3, 34.84N-45.87E, h15km, 48km, ML2.5
ISN 12 23:08:18.6-1.6, 34.88N-45.71E, h25km, ML2.5

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like IDHR, ILIN, etc.

JMA 12 23:12:08.4-0.2, 38.00N-0.8, 144.6E-1.0, h51km, MV3.6/26,
FAR E OFF NORTH HONSHU, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like JIKH, JIKH, etc.

TEH 12 23:13:49.3, 34.95N-45.85E, h10km, 82km, ML2.5
ISN 12 23:13:55.1-1.4, 34.92N-45.60E, h25km, ML2.5

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like IDHR, ILIN, etc.

ISN 12 23:20:09.2-0.7, 34.75N-45.68E, h4km, 5km, ML2.8
TEH 12 23:20:13.2, 34.77N-45.77E, h9km, 76km, ML2.7

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for stations like IDHR, ILIN, etc.

Table with columns: IDBR, Station Name, Frequency, Power, and other technical details. Includes stations like Badra, Komasi, and Kafar-mosalman.

IDC 12 23:24:03.8,47.0, 17.55S; 178.78W, h598km, 99km, mb3.0/3, mbtmp 3.9/4, Error ellipse: s-maj=92.4, 3km

NEIC 12 23:24:03.4,0.9, 17.55S; 0.2x178.5W:0.1, h622km, 10km, mb4.0/9, Error ellipse: s-maj=24.0km s-min=15.9km

ISC 12 23:24:01.8,0.8, 17.45S; 0.2x178.5W:0.1, h600km, n17, r149/17, mb4.0/3, Fiji Islands region

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Nonsavu, Warramunga Arr, and Alice Springs.

ISN 12 23:29:13.8,0.7, 35.02N; 45.75E, h8km, 9km, ML2.7

TEH 12 23:29:15.8, 34.93N; 45.77E, h10km, 4km, ML3.0

ISC 12 23:29:15.6, 1.0, 34.93N; 0.04x45.76E:0.04, h10km, n13, r064/16, Iran-Iraq border region

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Dehrash, Ghaleghazi, and Komasi.

ISN 12 23:31:50.8,0.5, 34.80N; 45.80E, h14km, 4.3km, ML3.2

TEH 12 23:31:50.5, 34.77N; 45.80E, h8km, 15km, ML3.0

ISC 12 23:31:51.0, 1.3, 34.76N; 0.03x45.82E:0.03, h5km, 12km, n20, r192/27, Iran-Iraq border region

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Dehrash, Ghaleghazi, and Komasi.

TRN 12 23:34:26.9, 9.31N; 63.35W, h69km, MD4.9

FUNV 12 23:34:27.4, 9.44N; 63.33W, h12km, MW4.7

NEIC 12 23:34:28.6, 1.9, 9.45N; 0.06x63.43W:0.06, h43km, 11km, mb4.4/21, Error ellipse: s-maj=10.0km s-min=8.5km

IDC 12 23:34:33.3, 1.6, 9.93N; 63.37W, h76km, 15km, mb3.7/19, mbtmp 4.0/20, Error ellipse: s-maj=19.0km s-min=13.6km

ISC 12 23:34:28.2, 0.9, 9.48N; 0.05x63.44W:0.04, h46km, 9km, n140, r183/160, mb4.1/27, 2C-ID, Venezuela

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Cumana, Carupano, and Sarab.

Table with columns: GRGR, Station Name, Frequency, Power, and other technical details. Includes stations like Grenville, Mount Saint Ca, and Sauteres.

SDV 90m, 0.4s, baz=47, slow=16, SNR=2.5

Table with columns: GDSO, Station Name, Frequency, Power, and other technical details. Includes stations like La Desirade, La Joyeuse, and Lee's Yard.

MDP 14m, 0.5s, baz=221, slow=22, SNR=2.4

Table with columns: SJCC, Station Name, Frequency, Power, and other technical details. Includes stations like San Jacinto, El Rosal, and Arguano.

UREC 21m, 0.5s, baz=71, slow=23, SNR=1.6

Table with columns: UREC, Station Name, Frequency, Power, and other technical details. Includes stations like San Jose de Ur, Presa de Saban, and Betania.

Table with columns: RTBA, Station Name, Frequency, Power, and other technical details. Includes stations like Lac du Bonnet, EYMN, and Schefferville.

SJA 12 23:37:04.7, 1.3, 31.28S; 69.83W, h109km, 5km, ML3.7, MW3.7

GUC 12 23:37:06.0, 0.7, 31.28S; 70.09W, h129km, 4km, ML3.8

IDC 12 23:37:03.3, 3.7, 31.26S; 69.69W, h116km, 26km, mb3.5/4, mbtmp 3.9/6, Error ellipse: s-maj=52.3km s-min=21.5km

ISC 12 23:37:05.2, 0.7, 31.28S; 0.03x69.87W:0.03, h110km, 6km, n65, r161/25, mb3.9/4, 1D, San Juan Province

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Leoncito, Reserva Natura, and El Pedregal.

AROD 1.16 17 eP Pn 23 37 29.6 +1.0

Table with columns: AROD, Station Name, Frequency, Power, and other technical details. Includes stations like Rodeo, Cuesta del Vie, and Juntas del Tor.

ASAL 1.57 146 eP Pn 23 37 33.9 +0.9

Table with columns: ASAL, Station Name, Frequency, Power, and other technical details. Includes stations like Salagasta, Fray Jorge, and Cerro Arco.

ALIB		S	Sn	00 23 31.0 +2.7
NASN	Na'in	ePn	Pn	00 22 25.1 +3.2
BNGB	Bingl	P	Pn	00 22 22.4 +0.4
BINT	Bingol	P	Pn	00 22 22.4 +0.0
IRAM	Ramesheh	Pn	Pn	00 22 25.0 +2.4
KARO	Karilova-Bingo	P	Pn	00 22 23.7 +1.1
GANJ	Ganja	P	Pn	00 22 24.7 +2.1
	SNR=6.0			
GANJ	Ganja	S	Sn	00 23 34.0 +2.2
GANJ	Kurdemir	P	Pn	00 22 24.7 +2.1
KDMR		P	Pn	00 22 14.17
KDMR		S	Sn	00 23 34.5 +2.5
GDB	GEDABAY	P	Pn	00 22 25.5 +1.9
	SNR=6.3			
GDB	Koprucok-ERZURU	S	Sn	00 23 35.2 +1.7
KOPR		P	Pn	00 22 27.5 +2.2
MNGR	Mingechevir, A	P	Pn	00 22 27.2 +0.2
MNGR		S	Sn	00 23 38.7 +2.3
MNGR	Mingechevir, A	P	Pn	00 22 27.2 +0.0
URFA	Urfa	P	Pn	00 22 25.0 -1.1
KARS	Kars	eP	Pn	00 22 29.4 +1.9
KARS		P	Pn	00 22 24.9 +2.2
KARS		P	Pn	00 22 27.7 +0.2
KARS		P	Pn	00 22 27.7 +0.2
YEDI	Yedisu-Bingol	eP	Pn	00 22 28.4 +0.9
GBS	Gobustan	P	Pn	00 22 29.9 +2.3
	SNR=12			
GBS		S	Sn	00 23 43.3 +2.5
IML	Ismayilli	P	Pn	00 22 30.4 +2.2
	SNR=5.4			
IML		S	Sn	00 23 44.1 +2.3
QZX	Qazax, Azerbai	P	Pn	00 22 30.1 +1.9
	SNR=11			
QZX		S	Sn	00 23 43.5 +1.6
QBL	Gabalala	P	Pn	00 22 31.3 +2.1
QBL		S	Sn	00 23 45.9 +2.3
QBL		P	Pn	00 22 31.7 +2.2
PQL	Pirkuli	P	Pn	00 22 31.7 +2.2
	SNR=5.7			
POL		S	Sn	00 23 46.6 +2.3
SENK	Senkaya-Erzuru	eP	Pn	00 22 32.1 +2.4
GOBA	Gobu	P	Pn	00 22 31.8 +2.3
GOBA		S	Sn	00 23 47.0 +2.7
ANAR	Anarak	Pn	Pn	00 23 41.6 +0.2
PTK	Perlek	P	Pn	00 22 31.1 +0.0
SEKA	Sheki	P	Pn	00 22 33.7 +2.3
	SNR=4.1			
SEKA		S	Sn	00 23 50.0 +2.5
SEKA	Sheki	P	Pn	00 22 33.6 +2.3
ATG4	Altighaj	P	Pn	00 23 50.0 +2.1
ATGJ		S	Sn	00 23 50.6 +2.3
GALA	Gala	P	Pn	00 22 34.2 +2.3
GALA		S	Sn	00 23 51.3 +2.8
IGLO	Ghaloghah	Pn	Pn	00 22 35.5 +3.3
XNQ	Xnqaliq	P	Pn	00 22 35.9 +2.0
XNQ		S	Sn	00 23 53.0 +2.2
NDR	Nardaran	P	Pn	00 22 35.3 +2.3
NDR		S	Sn	00 23 53.2 +2.7
SIZA	Siyyz	P	Pn	00 22 36.6 +2.2
	SNR=6.1			
SIZA		S	Sn	00 23 55.2 +2.3
ISAD	Sadrabad	Pn	Pn	00 22 38.5 +2.8
AKH	Akhalkalaki	P	Pn	00 22 37.1 +0.8
AKH	Akhalkalaki	P	Pn	00 22 37.1 +0.8
ZKTA	Zakatata	P	Pn	00 22 38.5 +2.1
	SNR=9.9			
ZKTA		S	Sn	00 23 58.7 +2.1
ZKTA	Zakatata	P	Pn	00 22 38.5 +2.1
TRLG	Trialeti	P	Pn	00 22 40.2 +3.6
TRLG		Pmax	Pmax	
	comp=Z,11nm,1.1s			
QUBA	Quba, Azerbajaj	P	Pn	00 22 38.5 +2.0
QUBA		S	Sn	00 23 59.0 +2.3
QUSAR	Qusar	P	Pn	00 22 39.9 +2.0
QUSAR		S	Sn	00 24 01.4 +2.2
GAZ	Gaziantep	Pn	Pn	00 22 41.9 +0.8
ARPR	Arapgir-MALATY	P	Pn	00 22 41.1 +0.4
ARPR	Arapgir-MALATY	Pn	Pn	00 22 43.6 +1.5
YZKH	Yazd	ePn	Pn	00 22 46.8 +3.7
DSBU	Dashti - Bushe	Pn	Pn	00 22 45.9 +2.0
ASF	Jabal al Asfar	P	Pn	00 22 47.6 +1.7
ASF		P	Pn	00 22 47.1 +1.2
ASF		S	Sn	00 24 14.0 +0.4
	comp=Z,31nm,0.9s,baz=62,slow=8.6,SNR=1.7			
	comp=Z,6.6nm,0.3s			
GUDG	Gudauri	P	Pn	00 22 52.0 +3.5
GUDG		Pmax	Pmax	
	comp=Z,32nm,0.8s			
ONI	Oni	Pn	Pn	00 22 53.7 +1.7
ONI		P	Pn	00 22 54.7 +1.7
ZEI	Tsey	P	Pn	00 22 56.7 +2.9
		Pmax	Pmax	
	comp=Z,21nm,0.7s			
SHRO	Shahrood	ePn	Pn	00 22 58.0 +3.5
NATI	Neve Ativ	Pn	Pn	00 22 57.9 -2.9
GEM	Giv'at Ha'Em	Pn	Pn	00 22 52.3 +3.2
GEM		S	Sn	00 24 29.8 -1.5
GHIR	Ghir-Karzin	P	Pn	00 22 58.7 +0.6
MMA0B	Mount Meron ar	P	Pn	00 22 56.6 -2.7
MMA1	Mount Meron Ar	P	Pn	00 23 00.5 +1.2
	comp=Z,2.4nm,0.3s,baz=78,slow=16,SNR=17			
MMA1		S	Sn	00 24 37.9 +0.2
	comp=Z,5.5nm,0.6s,baz=64,slow=20,SNR=1.5			
MRVT	Mravreh tapeh	ePn	Pn	00 23 02.3 +2.1
HMDT	Nahal Hemdat	Pn	Pn	00 22 57.7 -2.9
BNN	Bunyan	Pn	Pn	00 23 05.0 +1.5
NCK	Nalchik	eP	Pn	00 23 08.6 +4.9
TPRV	Parvadeh/Tabas	Pn	Pn	00 23 06.0 +1.8
GHAJ	Ghor Haditha	Pn	Pn	00 23 04.0 -0.6
GHAJ		P	Pn	00 23 02.2 +3.8
DSI	Dead Sea	Pn	Pn	00 23 01.6 -3.7
MSBI	Mazada	Pn	Pn	00 23 04.1 -2.7
TABS	Tabas	ePn	Pn	00 23 10.3 +2.8
KHBZ	Khabaz	P	Pn	00 23 12.4 +0.0
KBZ	Khabaz	P	Pn	00 23 11.4 +3.0
	comp=Z,11nm,1.0s,baz=174,slow=9.7,SNR=13			
KBZ		LR	LR	00 27 36.8
	comp=Z,402nm,20.3s,baz=110,slow=43			
AMAZ	Amazata	P	Pn	00 23 07.4 -3.2
KIV	Kislovodsk	P	Pn	00 23 15.9 +3.7
KIV	Kislovodsk	P	Pn	00 23 15.8 +3.7
KIV	Kislovodsk	eP	Pn	00 23 16.0 +4.0
KIV		Pmax	Pmax	
	comp=Z,26nm,1.0s			
HRFI	Mount Harif	Pn	Pn	00 23 15.6 -2.3
ISFR	Sfrayin	Pn	Pn	00 23 21.6 +2.9
SOC	Sochi	eP	Pn	00 23 20.3 +1.7
SOC		e		00 25 18.2
SOC		Pmax	Pmax	
	comp=Z,22nm,0.5s			
SOC		MLR	MLR	
	comp=Z,358nm,14.0s			
KRMI	Paran Flat	Pn	Pn	00 23 17.8 -2.8
MBRI	Mt Berech	Pn	Pn	00 23 18.3 -2.5
EIL	Eilat	P	Pn	00 23 21.7 +0.4
	comp=Z,2.5nm,0.3s,baz=60,slow=9.7,SNR=10			
	comp=Z,5.9nm,0.4s			
GEYT	Alibeck	Pn	Pn	00 23 21.3 -1.1
GEYT	Alibeck	P	Pn	00 23 21.3 -1.1
GEYT	Alibeck	P	Pn	00 23 24.6 +2.2
	comp=Z,0.3nm,0.3s,baz=250,slow=17,SNR=9.1			
	comp=Z,4.4nm,0.7s			
GYAO	ALIBECK ARRAY	Pn	Pn	00 23 25.6 +3.2
GYAOB	Kislovodsk	Pn	Pn	00 23 20.1 -2.3
GOF	Gofitskoye	ePn	Pn	00 23 29.5 +3.7
EMIG	Emangholi	Pn	Pn	00 23 29.5 +2.9
TRNA	Traynaya	Pn	Pn	00 23 29.0 +2.3
	SNR=8.4			
BR131	Keskin Array S	Pn	Pn	00 23 29.4 -0.3
BR131	Keskin Array S	P	Pn	00 23 29.3 -0.3
BRTR	Keskin Array B	Pn	Pn	00 23 29.3 -0.5
BRTR	Keskin Array B	Pn	Pn	00 23 30.8 +1.0
	comp=Z,0.1nm,0.3s,baz=109,slow=11,SNR=15			
	comp=Z,1.1nm,0.8s			
BND5	Gandar Abbas	ePn	Pn	00 23 34.4 +0.1
ANTO	Ankara	Pn	Pn	00 23 41.6 +2.9
ANTO	Ankara	Pn	Pn	00 23 41.6 +2.9
TBJM	Torbat-eJAM	Pn	Pn	00 23 44.2 +2.2
ANN	Anapa	Pn	Pn	00 23 42.9 -1.8
ANN		Pmax	Pmax	
	comp=Z,40nm,0.8s			
SHME	Shamm	P	Pn	00 23 46.8 +0.2
AJN	Ajban	P	Pn	00 23 58.8 +6.0

AJN	Nazwa, Dubai	S	Sn	00 26 10.6 -2.8
NAZ		P	Pn	00 23 53.2 -0.2
NAZ		S	Pn	00 26 09.9 -4.7
MASF	Masafi	P	Pn	00 26 54.1 +0.5
	SNR=5.2			
MASF		S	Sn	00 23 11.0 -3.7
MSFE	Esma-Masafi	P	Pn	00 23 52.9 -0.8
ISP	Ispartha	Pn	Pn	00 23 54.6 +0.6
ISP	Ispartha	P	Pn	00 23 54.6 +0.6
FAQ	Al Faqa, Dubai	P	Pn	00 23 55.3 -0.2
FAQ	Al Faqa, Dubai	P	Pn	00 23 55.7 +0.3
FAQ		S	Sn	00 26 14.5 -3.6
MDUB	Mudurnu	Pn	Pn	00 23 57.1 -0.2
UOSS	Minazif	P	Pn	00 23 57.3 -0.9
UOSS		P	Pn	00 23 56.8 -1.4
HATD	Hatta, Dubai	P	Pn	00 23 57.9 -1.0
ASHO	Ashtiyah	P	Pn	00 23 58.6 -1.1
MZR	Muzera	P	Pn	00 23 60.0 -0.5
JASK	Jask - Hormozg	P	Pn	00 24 04.1 +0.5
JASK		S	Sn	00 26 29.1 -3.5
ALNE	Al Ain	P	Pn	00 24 03.2 -0.8
HRA	Herat	Pn	Pn	00 24 02.6 -1.7
SOHO	SOHO	P	Pn	00 24 08.9 -0.4
SOHO		S	Sn	00 26 36.4 -6.4
HOQ	Hoqain	P	Pn	00 24 20.4 -0.8
HOQ		S	Sn	00 26 58.7 -5.7
SMDO	Samad	P	Pn	00 24 32.1 -0.3
	SNR=9.3			
SMDO		S	Sn	00 27 16.7 -8.1
WSAR	Wadi Sarin	P	Pn	00 24 34.0 -1.1
	comp=Z,8.3nm,0.5s,baz=329,slow=5.2,SNR=12			
WSAR		S	Sn	00 27 22.0 -7.9
	comp=Z,9.5nm,0.7s,baz=177,slow=19,SNR=9.9			
JMDO	Jabal Madar	P	Pn	00 24 39.6 +0.2
JMDO		S	Sn	00 27 32.8 -5.5
JRR	Jurilovca	P	Pn	00 24 46.4 +0.2
TPGR	Topolog	P	Pn	00 24 50.7 +0.8
ICOR	Corvin	P	Pn	00 24 50.3 +0.8
VRH	Novokhopryorsk	eP	Pn	00 24 46.8 -1.9
VRH		Pmax	Pmax	
PURM	Purcar	P	Pn	00 24 51.1 -0.2
HARR	Harsova	P	Pn	00 24 52.2 -0.0
HARR	Harsova	P	Pn	00 24 52.2 -0.0
VORD	Divnogorie	eP	Pn	00 24 50.1 -0.7
VORD		Pmax	Pmax	
	comp=Z,50nm,0.9s			
IDI		P	Pn	00 24 52.6 -0.8
	comp=Z,1.4nm,0.3s,baz=78,slow=14,SNR=11			
	comp=Z,4.4nm,0.4s			
MHTO	MHTO	P	Pn	00 24 50.7 -1.5
	SNR=13			
MHTO		S	Sn	00 27 54.6 -8.3
CFR	Carcaliu	P	Pn	00 24 53.6 0.0
CFR	Carcaliu	P	Pn	00 24 53.5 0.0
LOZB	Loznitsa	P	Pn	00 24 56.1 +1.1
VSR	Storzhevoye	eP	Pn	00 24 52.7 -1.4
VSR		Pmax	Pmax	
	comp=Z,50nm,0.6s			
DOK	Doka	P	Pn	00 24 54.0 -1.5
	SNR=13			
RAZG	Razgrad	P	Pn	00 24 58.3 +1.8
ELND	Elend	P	Pn	00 24 59.8 +1.3
MILM	Milestii Mici	P	Pn	00 25 00.0 -0.3
MILM	Milestii Mici	P	Pn	00 25 00.0 -0.3
BELG	Belogoroye	P	Pn	00 25 02.8 +1.6
	comp=Z,5.0nm,0.9s			
BELG	Belogoroye	P	Pn	00 24 58.6 -2.1
	comp=Z,1.7nm,0.3s,baz=184,slow=19,SNR=6.4			
	comp=Z,6.2nm,0.7s			
WHFO	Wadi Hawi	P	Pn	00 24 59.6 -2.3
	SNR=1			
AB31	Akbulak array	P	Pn	00 25 01.7 -0.7
ABKAR	Akbulak array	P	Pn	00 25 00.5 -1.9
ABKAR	Akbulak array	P	Pn	00 25 01.3 -1.1
ABKAR		Iamb	Iamb	00 25 12.1
AKTO	Aktyubinsk	P	Pn	00 25 03.9 -0.8
	comp=Z,0.8nm,0.3s,baz=212,slow=9.5,SNR=38			
ABTO	Abtau	P	Pn	00 25 03.4 -2.8
	SNR=6.3			
VRI	Vrincioaia	P	Pn	00 25 08.9 +1.7
VRI	Vrincioaia	P	Pn	00 25 08.8 +1.7
PLOR	Plorostina	P	Pn	00 25 09.5 +1.9
PLOR	Plorostina	P	Pn	00 24 51.1 +0.9
RBK	Rabuk	P	Pn	00 25 09.1 +0.6
	SNR=8.6			
SHAO	Shalim	P	Pn	00 25 06.3 -2.6
SHAO	Shalim	P	Pn	00 25 08.0 -1.0
	SNR=1.4			
DMTO	DMTO	P	Pn	00 25 07.3 -1.6
	SNR=24			
PLVB	Pleven	P	Pn	00 25 11.8 +1.6
MLR	Muntele Rosu	P	Pn	00 25 12.1 +1.4
MLR	Muntele Rosu	P	Pn	00 25 09.7 -0.5
MLR	Muntele Rosu	P	Pn	00 25 09.7 -0.5
	comp=Z,7.0nm,0.9s			
COVR	Voineasa-Covas	P	Pn	00 25 12.1 +1.3
SRS	Serrai	P	Pn	00 25 12.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NRN Naryn, BOOM Boomskoye usch, IGIN Ignalina, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ZAAO Zalesovo Array, ZALV Zalesovo Beam, WMQ Urumqi, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like YAK North Green, NEEM Zeya, ZEA Zeya, etc.

WCKO	S	Sb	00 38 13.8 0.0
WNT	baz=211 Mingjian	0.24 355	↑P Pb 00 38 10.3 +0.1
WNT	baz=356	S	Sb 00 38 14.7 +0.5
SSLB	baz=57 Suanglung	0.27 57	↑P Pb 00 38 10.5 -0.3
CHY	baz=57 Chiayi	0.30 241	↑P Pb 00 38 11.4 +0.2
CHY	baz=240	eS	Sb 00 38 16.9 +1.0
TYC	baz=240 Yuchr	0.30 28	↑P Pb 00 38 11.3 +0.1
TYC	baz=29	eS	Sb 00 38 16.5 +0.6
WTK	baz=29 Tuku	0.30 279	↑P Pb 00 38 11.3 +0.1
WTK	baz=279	S	Sb 00 38 16.9 +1.1
SMLT	baz=279 Sun Moon Lake	0.30 36	↑P Pb 00 38 11.3 0.0
SMLT	baz=37	eS	Sb 00 38 16.7 +0.6
CHN4	baz=200 Tsaushan	0.31 200	eP Pb 00 38 11.5 +0.1
CHN4	baz=200	eS	Sb 00 38 17.4 +1.2
TPUB	baz=192 Ta-pu	0.35 192	P Pb 00 38 11.9 -0.2
TPUB	baz=192	eS	Sb 00 38 17.3 -0.1
WRL	baz=192 Guolierlin Hig	0.40 311	↑P Pb 00 38 12.9 0.0
WRL	baz=311	eS	Sb 00 38 19.7 +0.9
WTP	baz=192 Ta-pu	0.40 192	↑P Pb 00 38 12.9 -0.2
WTP	baz=192	eS	Sb 00 38 19.1 +0.1
VWDT	baz=192 VWDT	0.41 74	↑P Pb 00 38 13.6 +0.4
VWDT	baz=74	S	Sb 00 38 19.4 +0.2
TWK	baz=207 Hsiinying	0.42 208	↑P Pb 00 38 13.4 0.0
TWK	baz=207	eS	Sb 00 38 20.4 +0.8
WSF	baz=270 Szu	0.45 270	↑P Pb 00 38 13.4 -0.3
WSF	baz=270	S	Sb 00 38 20.7 +0.6
WTCT	baz=300 Ta-ch'eng	0.45 300	P Pg 00 38 13.4 +0.2
WTCT	baz=300	S	Sb 00 38 20.7 +0.4
WCS	baz=300 Beigang Elemen	0.46 24	↑P Pb 00 38 13.9 -0.1
WCS	baz=35	S	Sb 00 38 20.9 +0.4
WSL	baz=267 Shulin Townsh	0.46 255	↑P Pb 00 38 14.0 +0.1
WSL	baz=267	S	Sb 00 38 21.8 +1.3
WCHH	baz=342 Zhanghua	0.46 343	eP Pb 00 38 14.3 +0.3
WCHH	baz=342	iS	Sb 00 38 21.6 +1.0
SNST	baz=205 Tainan City	0.46 205	↑P Pb 00 38 14.0 0.0
SNST	baz=205	eS	Sb 00 38 21.6 +0.9
STYH	baz=167 Taoyuan	0.47 172	↑P Pb 00 38 14.0 -0.2
STYH	baz=167	S	Sb 00 38 20.8 -0.2
ICHU	baz=235 Yijhu	0.48 235	↑P Pb 00 38 14.6 +0.3
ICHU	baz=235	S	Sb 00 38 22.9 +1.7
CHN1	baz=201 Nanshi	0.48 200	↑P Pb 00 38 14.3 -0.1
CHN1	baz=201	eS	Sb 00 38 22.0 +0.7
TCU	baz=357 Taichung	0.51 357	↑P Pb 00 38 15.1 +0.3
TCU	baz=357	eS	Sb 00 38 22.5 +0.5
WUSB	baz=46 Renai	0.51 47	↑P Pb 00 38 14.8 -0.2
WUSB	baz=46	iS	Sg 00 38 21.8 +0.4
OWD	baz=53 Renai	0.53 54	↑P Pb 00 38 15.4 +0.1
OWD	baz=53	eS	Sb 00 38 22.5 -0.3
ELDTW	baz=148 Lidau	0.53 148	↑P Pb 00 38 15.4 +0.1
ELDTW	baz=148	S	Sb 00 38 22.9 +0.1
CHN8	baz=237 Yiju	0.54 237	↑P Pb 00 38 15.5 +0.1
CHN8	baz=237	iS	Sb 00 38 24.3 +1.3
SGST	baz=191 Jianshan	0.57 192	↑P Pg 00 38 15.0 -0.4
SGST	baz=191	eS	Sb 00 38 23.9 +0.2
EHY	baz=91 Hungye	0.58 103	↑P Pb 00 38 16.6 +0.5
EHY	baz=91	S	Sb 00 38 24.6 +0.5
YULB	baz=114 Yu-li	0.60 114	↑P Pb 00 38 16.6 +0.2
YULB	baz=114	S	Sb 00 38 25.1 +0.6
CHGB	baz=45 Renai	0.60 46	↑P Pb 00 38 16.4 -0.1
CHGB	baz=45	eS	Sg 00 38 24.2 +0.1
TWF1	baz=125 Yuli	0.61 118	↑P Pb 00 38 17.1 +0.4
TWF1	baz=125	eS	Sb 00 38 25.9 +0.8
WARBT	baz=83 Fenglin Townsh	0.63 83	iP Pb 00 38 17.0 +0.2
WARBT	baz=83	S	Sb 00 38 25.5 0.0
EYUL	baz=125 Yuli	0.63 117	↑P Pb 00 38 17.3 +0.4
EYUL	baz=125	eS	Sb 00 38 26.2 +0.6
SSHA	baz=218 Shanhua	0.63 218	eP Pb 00 38 17.5 +0.5
SSHA	baz=218	eS	Sb 00 38 28.2 -0.2
CHN3	baz=221 Shinhua	0.64 209	eP Pb 00 38 18.0 -0.8
CHN3	baz=221	eS	Sb 00 38 28.2 -0.5
SLGT	baz=174 Liugui	0.65 185	↑P Pb 00 38 17.6 +0.5
SLGT	baz=174	eS	Sb 00 38 27.3 +1.3
EGFH	baz=87 Guangfu	0.66 87	iP Pb 00 38 17.8 +0.4
EGFH	baz=87	eS	Sb 00 38 26.4 -0.1
SCLT	baz=225 Jiali	0.66 226	↑P Pb 00 38 17.7 +0.3
SCLT	baz=225	S	Sb 00 38 28.8 -0.3
WHP	baz=19 WHP	0.67 19	↑P Pb 00 38 17.9 +0.2
WHP	baz=19	S	Sb 00 38 27.7 +0.9
EHD	baz=144 Haiduan	0.67 137	P Pb 00 38 18.0 +0.4
EHD	baz=144	eS	Sg 00 38 26.2 0.0
HGSD	baz=96 Ruisui	0.67 103	P Pb 00 38 18.6 -0.6
HGSD	baz=96	eS	Sb 00 38 28.9 -0.6
ESL	baz=88 Shilin	0.69 75	P Pb 00 38 18.3 +0.4

ESL	baz=88	eS	Sb 00 38 27.6 +0.4
FULB	baz=138 Fuli	0.70 129	P Pn 00 38 19.0 -0.5
FULB	baz=138	eS	Sb 00 38 29.1 -0.9
SHHT	baz=209 Tainan City	0.70 208	P Pn 00 38 19.1 -0.4
SHHT	baz=209	eS	Sb 00 38 29.8 -0.2
TWQ1	baz=5.0 Liyutan	0.71 5	↑P Pb 00 38 18.7 +0.4
TWQ1	baz=5.0	eS	Sb 00 38 28.7 +0.9
WDJ	baz=355 Dajia District	0.71 355	eP Pb 00 38 18.9 +0.7
WDJ	baz=355	S	Sb 00 38 29.6 -0.7
WHF	baz=55 Hehuan Shan	0.72 45	↑P Pb 00 38 18.8 +0.1
WHF	baz=55	eS	Sb 00 38 28.4 -0.1
ECS	baz=139 Chishang	0.72 139	eP Pb 00 38 19.0 +0.6
ECS	baz=139	eS	Sb 00 38 29.2 +1.1
TDCB	baz=42 Tech	0.74 34	↑P Pg 00 38 18.4 -0.2
TDCB	baz=42	eS	Sg 00 38 28.4 0.0
TAH1	baz=216 Yung-k'ang	0.74 216	eP Pn 00 38 19.7 -0.4
TAH1	baz=216	eS	Sb 00 38 31.0 0.0
TWT	baz=42 Tachien	0.74 35	↑P Pg 00 38 18.5 -0.3
TWT	baz=42	eS	Sg 00 38 28.1 -0.6
LXIB	baz=49 Xiulin Townshi	0.75 60	↑P Pb 00 38 19.1 +0.1
LXIB	baz=49	S	Sb 00 38 29.1 0.0
TSCK	baz=243 Chigu Township	0.75 229	eP Pb 00 38 19.2 +0.2
TSCK	baz=243	eS	Sb 00 38 31.2 -0.1
NDS	baz=115 ECBN Changbin	0.76 115	eP Pn 00 38 20.2 -0.1
NSY	baz=4.0 Sanyi	0.77 4	↑P Pn 00 38 20.0 -0.6
NSY	baz=4.0	eS	Sb 00 38 31.0 -1.0
SCST	baz=195 Cishan	0.78 195	P Pn 00 38 20.5 -0.1
SCST	baz=195	eS	Sb 00 38 33.5 +1.6
ETM	baz=65 Tongmen	0.79 66	P Pb 00 38 19.8 +0.2
ETM	baz=65	eS	Sg 00 38 30.0 0.0
LONT	baz=145 Longtian	0.83 152	P Pg 00 38 20.7 +0.4
LONT	baz=145	eS	Sb 00 38 32.7 -0.6
TWMT	baz=186 Shoushan	0.85 198	eP Pn 00 38 22.6 +0.9
EDH	baz=148 Donghe	0.86 140	P Pn 00 38 22.1 +0.4
EDH	baz=148	eS	Sb 00 38 34.5 +0.4
TWG	baz=158 Pinlang	0.88 158	P Pg 00 38 21.6 +0.3
TWG	baz=158	S	Sg 00 38 33.5 +0.6
HWA	baz=76 Hwalien	0.89 68	P Pn 00 38 22.2 +0.1
HWA	baz=76	S	Sb 00 38 34.8 +0.1
TWGBT	baz=158 Beinan	0.89 157	P Pg 00 38 21.5 0.0
TWGBT	baz=158	S	Sg 00 38 33.9 +0.8
NMLH	baz=353 Miaoili	0.90 5	↑P Pn 00 38 19.9 +0.3
NMLH	baz=353	eS	Sb 00 38 34.5 -0.5
ETLH	baz=46 Xiulin Townshi	0.91 51	↑P Pb 00 38 21.5 -0.2
ETLH	baz=46	S	Sg 00 38 34.0 +0.3
TWD	baz=61 Chiawan	0.92 62	P Pg 00 38 22.2 0.0
TWD	baz=61	eS	Sg 00 38 34.2 -0.1
TSMG	baz=184 Maj	0.93 184	P Pg 00 38 22.4 +0.1
TSMG	baz=184	eS	Sg 00 38 34.8 +0.2
SNJT	baz=217 Kaoshiung City	0.95 201	eP Pn 00 38 23.4 +0.4
SNJT	baz=217	eS	Sb 00 38 38.9 +2.8
NACB	baz=56 Ninganchiao	0.97 57	↑P Pb 00 38 22.7 0.0
NACB	baz=56	S	Sb 00 38 35.0 -0.3
TTN	baz=155 Taitung	0.97 155	P Pn 00 38 24.4 +1.1
TTN	baz=155	eS	Sb 00 38 39.3 +2.6
ETL	baz=58 Fush Village	0.98 58	eP Pb 00 38 23.1 +0.1
ETL	baz=58	eS	Sg 00 38 36.1 -0.1
NNSB	baz=45 Datong	1.00 38	↑P Pb 00 38 22.9 -0.4
NNSB	baz=45	eS	Sb 00 38 36.3 0.0
NNS	baz=45 Nan Shan	1.00 37	eP Pb 00 38 23.1 -0.3
NSTT	baz=15 Nanjuang	1.02 15	↑P Pb 00 38 23.7 +0.1
NSTT	baz=15	S	Sb 00 38 37.8 -0.3
MASBT	baz=184 Mashibuluo	1.03 184	iP Pn 00 38 24.0 0.0
MASBT	baz=184	eS	Sb 00 38 38.0 -0.2
WDGT	baz=249 Dungji	1.03 249	eP Pb 00 38 22.8 -1.0
WDGT	baz=249	eS	Sb 00 38 37.1 0.0
LIOB	baz=15 Emei	1.04 16	iP Pb 00 38 24.0 +0.1
LIOB	baz=15	eS	Sb 00 38 37.7 +0.2
PHUB	baz=264 Peng-hu	1.05 263	P Pb 00 38 22.9 -1.1
PHUB	baz=264	eS	Sb 00 38 36.6 -1.0
NFF	baz=21 Wufeng Townshi	1.05 21	↑P Pb 00 38 24.2 0.0
NFF	baz=21	eS	Sb 00 38 37.8 0.0
PNG	baz=266 Penghu	1.06 266	↑P Pb 00 38 23.1 -1.1
PNG	baz=266	S	Sb 00 38 37.0 -0.9
ECL	baz=159 Taimali	1.06 168	P Pn 00 38 24.6 0.0
ECL	baz=159	eS	Sb 00 38 40.1 +1.0
WSSB	baz=203 Gushan	1.08 202	eP Pn 00 38 24.8 0.0
WSSB	baz=203	eS	Sb 00 38 41.8 +2.4
LATG	baz=40 Datong	1.16 40	P Pn 00 38 25.8 -0.3
LATG	baz=40	eS	Sb 00 38 41.6 -0.1
SBCB	baz=12 Hsinchu	1.17 12	eP Pg 00 38 26.9 +0.1
SBCB	baz=12	eS	Sg 00 38 42.1 -0.1
HSN	baz=12 Hsinchu	1.18 12	eS Sg 00 38 42.6 +0.2
NSK	baz=30 Sanchang	1.19 30	↑P Pn 00 38 26.4 0.0

NSK	baz=30	S	Sb 00 38 41.9 +0.1
LDUT	baz=129 Ludao	1.19 144	eP Pg 00 38 26.8 -0.4
LDUT	baz=129	eS	Sg 00 38 43.8 +1.1
YHNB	baz=21 Yeheng	1.19 31	↑P Pn 00 38 26.4 0.0
YHNB	baz=21	eS	Sb 00 38 42.3 -0.1
NDT	baz=28 Datong Townshi	1.21 37	P Pn 00 38 26.6 +0.1
NDT	baz=28	S	Sg 00 38 43.6 +0.3
ENA	baz=50 Nanau	1.23 50	P Pb 00 38 27.0 -0.1
ENA	baz=50	eS	Sb 00 38 43.3 +0.2
VCHM	baz=251 Qimei	1.25 250	P Pn 00 38 26.2 -0.9
VCHM	baz=251	S	Sb 00 38 42.7 -0.7
EAST	baz=174 Anshuo	1.26 174	P Pb 00 38 27.8 +0.2
EAST	baz=174	eS	Sg 00 38 44.6 -0.3
EWUT	baz=51 Wuta	1.27 51	eP Pb 00 38 27.6 -0.1
SCZT	baz=184 Fongliu	1.27 184	P Pb 00 38 27.6 -0.1
SCZT	baz=184	eS	Sg 00 38 45.5 +0.4
ENTT	baz=31 Nioudou	1.27 38	eP Pb 00 38 27.9 +0.1
ENTT	baz=31	eS	Sg 00 38 45.8 +0.6
TAW	baz=183 Tawu	1.29 172	eP Pn 00 38 27.7 0.0
TAWH	baz=173 Dawu Township	1.31 173	eP Pb 00 38 28.4 0.0
TAWH	baz=173	eS	Sg 00 38 46.9 +0.5
NWLTL	baz=39 Wulai	1.34 33	eP Pb 00 38 29.4 +0.3
NWLTL	baz=39	eS	Sb 00 38 46.6 +0.4
NDS	baz=37 Dongshang	1.35 43	P Sg 00 38 29.5 +0.3
NDS	baz=37	eS	Sg 00 38 48.0 +0.2
FUSB	baz=28 Fushanzhiwuyua	1.37 36	P Pb 00 38 29.4 -0.2
FUSB	baz=28	eS	Sg 00 38 47.4 +0.3
TWE	baz=34 Neicheng	1.39 39	eP Pb 00 38 30.4 -0.5
TWE	baz=34	eS	Sg 00 38 49.7 +0.6
NCUH	baz=20 Zhongli	1.39 18	eS Sg 00 38 48.5 -0.7
TWC	baz=47 Suao	1.42 47	P Pb 00 38 30.6 +0.2
TWC	baz=47	eS	Sg 00 38 49.3 -0.8
TWS1	baz=12 Kuangyinshan	1.59 24	P Pn 00 38 31.8 0.0
TWS1	baz=12	eS	Sb 00 38 53.7 +0.5
EOS3	baz=81 EOS3	1.61 66	eP Pb 00 38 33.0 -0.5
TIPB	baz=23 Shuangxi	1.67 37	eP Pb 00 38 34.1 -0.7
TIPB	baz=23	eS	Sb 00 38 54.1 0.0
TWK1	baz=185 Hengchun	1.69 177	eP Pg 00 38 36.1 -0.7
TWKBT	baz=185 Hengchun	1.69 177	eP Pn 00 38 33.1 -0.1
NWF	baz=36 Wu-fen Shan	1.73 34	eP Pb 00 38 36.5 +0.8
VWUC	baz=319 VWUC	1.77 320	eP Pb 00 38 32.5 -1.7
TWB1	baz=23 Santiao Chiao	1.79 40	eP Pb 00 38 37.0 +0.2
SXII	baz=23 Grass Mountain	1.80 36	eP Pb 00 38 37.7 +0.8
LYUB	baz=154 Lan-yu	1.82 153	eP Pn 00 38 33.8 -1.2
PTMZ	baz=314 Houxiangcun	2.01 314	eP Pn 00 38 36.5 -1.0
KNMB	baz=291 Chin-men Tao	2.27 292	eP Pn 00 38 40.0 -1.2

IDC 13 00:38:06.2, 2.0, 34.08N, 46.29E, h0km, mb3.8/4, mbtm3.6/6, ML2.9/2, MS3.6/1, Error ellipse: s-maj=63.9km s-min=21.0km az=157.0
 TEI 13 00:38:10.1, 35.01N, 45.74E, h8km, 33km, ML3.5
 AZER 13 00:38:11.9, 0.7, 34.30N, 45.91E, h12km, Error ellipse: s-maj=5.9km s-min=4.3km az=54.0
 ISC 13 00:38:12.0-1.0, 34.95N, 0.04-45.78E, 0.07, h10km, n42, o173/46, mb3.6/4, Iran-Iraq border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
IDHR	Dehrash	0.56	116	Pg	00 38 22.8	-0.2
IDHR	Dehrash	0.56	116	Sb	00 38 15.5	-0.5
IGHG	Ghaleghazi	0.89	133	Pb	00 38 29.	

TORD Torodi Ar. Bea 45.28 253 P 00 46 26.8 -3.2

NEIC 13 00:39:15.2-1.7, 14.3'S:0.2-167.6'E:0.2, h150km, 1.0km, mb4.1/7, Error ellipse: s-maj=32.5km s-min=15.5km az=134.0

IDC 13 00:39:17.5-4.1, 14.57'S:167.34'E, h168km, 34km, mb3.6/9, mbtmp4.0/10, Error ellipse: s-maj=28.7km s-min=23.3km az=74.0

ISC 13 00:39:17.0-0.8, 14.51'S:0.10-167.5E:0.1, h170km, n29, r1512/28, mb4.0/13, 4D, Vanuatu Islands

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

NEIC 13 00:47:32.7-1.0, 18.2'S:0.2-177.8W:0.1, h644km, 12km, mb4.4/23, Error ellipse: s-maj=27.2km s-min=14.5km az=152.0

IDC 13 00:47:35.4-3.5, 18.06'S:178.26'W, h648km, 23km, mb3.4/4, mbtmp4.4/5, Error ellipse: s-maj=103.0km s-min=38.0km az=146.0

ISC 13 00:47:32.4-0.8, 18.22'S:0.2-177.8W:0.1, h650km, n33, r0559/35, mb4.4/17, Fiji Islands region

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

BRTR Keskin Array B 145.38 315 PKP PKPab 01 06 01.1 -0.5

MMAI Mount Meron Ar 146.78 303 PKPbc PKPKP 01 06 05.7 0.0

CATAC 13 00:54:24.1-0.5, 10.12'N:83.17'W, h1km, 2km, MLL3.7, Hypocentre not reviewed by the ISC

UPA 13 00:54:24.3-0.9, 10.20'N:83.07'W, h14km, 25km, MW4.2

ISC 13 00:54:22.4-1.4, 10.21'N:0.04-83.08'W:0.03, h10km, 11km, n81, r0548/98, 1C-2D, Costa Rica

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

JACO comp=Z, 2.59nm, 1.0s IAML 00 55 15.6

PSOM3 Paja de Sombre 1.69 154 eP Pn 00 54 52.5 +0.5

DVD David 1.96 261 eP Sb 00 54 56.4 -0.1

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

IDC 13 00:56:45.3-2.2, 8.28'N:124.16'E, h0km, mb3.7/5, mbtmp3.7/5, Error ellipse: s-maj=271.3km s-min=28.7km az=65.0, Mindanao

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

IDC 13 00:58:46.3-10.0, 18.87'N:108.76'W, h0km, mb3.1/3, mbtmp3.3/5, MLL2.9, MS3.3/1, Error ellipse: s-maj=161.1km s-min=69.5km az=150.0, Revilla Gigedo Islands region

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

JMA 13 01:13:17.1-0.2, 38.0'N:0.8-143.5'E, h56km, MV3.7/26, OFF EAST NORTH HONSHU, Off east coast of Honshu

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

IDC 13 01:27:46.8-0.5, 12.50'N:143.89'E, h0km, mb4.2/18, mbtmp4.2/18, MS3.5/2, Error ellipse: s-maj=19.3km s-min=13.2km az=102.0

NEIC 13 01:27:52.7-1.4, 12.48'N:0.08-143.9E:0.1, h41km, 8km, mb4.8/40, Error ellipse: s-maj=16.8km s-min=11.2km az=104.0

ISC 13 01:27:50.7-0.3, 12.46'N:0.05-143.92'E:0.06, h27km, n89, r1573/98, mb4.7/47, South of Mariana Islands

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

Table with columns: Station Name, Time, Res, and various parameters. Includes stations like WAKE ISLAND, Alice Springs, Guiyang, etc.

Table with columns: Station Name, Time, Res, and various parameters. Includes stations like Pine Mountain, Christman Ranch, New Newport, etc.

Table with columns: Station Name, Time, Res, and various parameters. Includes stations like VRF Varrio, Ulfuk Olanjka, Umeaa, etc.

Azm342.0000": N -0.0902, Plg15.0000", Azm106.0000";
 P -7.8269, Plg20.0000", Azm202.0000";
 GCMT 13 02:28:28.70.1, 9.45N, 84.58W, h30km, MV6.6/163,
 Moment Tensor Solution, s160,c418; s163,c683;
 Duration: 4s9 Moment tensor: Scale 1019Nm;
 Mn:0.71±.00; M₁₁:0.59±.00; M₂₂:0.11±.00; M₃₃:0.58±.01;
 M₁₂:0.32±.00; M₁₃:0.33±.01; Best double couple:
 M₁₁:0.99300×10¹⁹ Np1₁:119.00000", δ66.00000",
 7.92.00000"; NP2:0.294.00000", δ24.00000", 7.86.00000";
 Principal axes: T 0.9740, Plg69.0000", Azm32.0000"; N
 0.0390, Plg2.0000", Azm288.0000"; P -1.0120,
 Plg21.0000"; Azm207.0000"; nsta1 refers to body waves,
 cutoff=50s. nsta2 refers to surface/mantle waves,
 cutoff=50s. Triangular moment-rate function
 BGR 13 02:28:32.8, 10.82N, 83.38W, h33km, mb6.4, mB_BB7.1,
 Ms6.7

GCG 13 02:28:50.5.5.2, 16.72N, 84.93W, h0km, 999km, MD5.1
 ISC 13 02:28:22.8-0.3, 9.45N, 84.51W, 0.02, h24km, 1km,
 h24km: pP-P, n2967, c231/2891, mb6.2/506, MS6.6/717,

Code	Station Name	A°	ZP	Phase ID	Time	Res
RITA	Parrita	0.20	61	OP	02 28 28.7	+0.5
JACO	JACO, Garabito	0.28	328	Pg	02 28 28.8	-0.7
JACO	JACO, Garabito	0.28	328	Sg	02 28 33.2	-0.8
JACO	JACO, Garabito	0.28	328	EP	02 28 28.8	-0.7
JACO	JACO, Garabito	0.28	328	EP	02 28 33.2	-0.8
JACO	JACO			IS	02 28 33.6	
JACO	JACO			IAML	02 28 35.4	
comp=Z,2000µm,1.0s						
SVQ2	Quepos	0.34	88	EP	02 28 31.2	+0.9
SVQ2	Belen	0.63	30	EP	02 28 37.7	+0.6
LLNJ	Naranjito	0.40	83	EP	02 28 32.4	-0.8
LLNJ				ES	02 28 39.4	+0.6
TRB2	Turrubares	0.49	7	EP	02 28 32.3	+0.5
ACOS	Acosta	0.50	42	EP	02 28 33.0	-0.1
ACOS				ES	02 28 34.0	+0.7
RAZU	San Marcos La Fe, P	0.53	64	EP	02 28 34.0	+0.4
LAFE	Finca La Fe, P	0.55	314	EP	02 28 33.5	-0.4
LAFE	Finca La Fe, P	0.55	314	IP	02 28 33.8	
LAFE				IS	02 28 41.3	
LAFE				IAML	02 28 43.6	
comp=Z,680µm,1.0s						
ARZA	Esparza	0.59	344	EP	02 28 35.0	+0.6
ARZA				ES	02 28 42.2	-0.2
LCR2	La Lucha 2	0.59	57	EP	02 28 34.6	0.0
LCR2	La Lucha 2	0.59	57	IP	02 28 34.6	0.0
LCR2	La Lucha 2	0.59	57	IS	02 28 34.3	
LCR2				IAML	02 28 45.1	
comp=Z,1300µm,1.0s						
CB1L	Cabuya	0.60	286	EP	02 28 33.9	-0.7
BE1	Belen	0.63	30	EP	02 28 35.0	+0.3
AMPA	Desamparados	0.64	43	EP	02 28 35.0	+0.5
AMPA				ES	02 28 44.8	+0.7
EDDO	Dominical	0.66	105	EP	02 28 36.5	-0.1
EDDO				ES	02 28 46.5	+0.2
LUJA	Lujan	0.66	41	EP	02 28 36.7	-0.1
LUJA				ES	02 28 37.9	+0.1
SR1A	San Ramn	0.66	21	EP	02 28 35.2	-0.5
MEXI	Barrio Mexico	0.66	39	EP	02 28 36.8	0.0
RAMO	San Ramon	0.66	31	EP	02 28 35.3	-0.4
GREC	Grecia	0.68	17	EP	02 28 37.2	+0.1
SJS	Escuela Geolog	0.68	41	EP	02 28 36.1	0.0
SJS3	Mercedes San J	0.68	41	EP	02 28 36.1	0.0
SJS3				ES	02 28 46.1	+0.9
NARAN	Naranjo de Ala	0.68	11	EP	02 28 37.1	0.0
EDIA	Heredia	0.69	33	EP	02 28 36.3	+0.1
TIBA	Tibas	0.69	39	EP	02 28 36.4	+0.2
DDMI	Santo Domingo	0.69	36	EP	02 28 36.6	+0.2
HDC	Heredia	0.69	34	PG	02 28 35.5	+0.5
HDC				Sg	02 28 44.7	-0.8
HDC	Heredia	0.69	34	IP	02 28 36.6	+0.3
HDC				ES	02 28 48.9	+1.6
HDC	Heredia	0.69	34	IP	02 28 35.5	-0.8
HDC	Heredia	0.69	34	EP	02 28 36.7	+0.1
HDC3	Heredia 3	0.69	34	EP	02 28 36.5	+0.1
HDC3				IS	02 28 36.3	
HDC3				IP	02 28 46.3	
HDC3				IAML	02 28 51.2	
comp=Z,1400µm,1.0s						
OCM	Ochomogo	0.71	49	EP	02 28 36.5	-0.2
OCM	Ochomogo	0.71	49	IP	02 28 36.4	
OCM				IS	02 28 45.4	
OCM				IAML	02 28 47.0	
comp=Z,700µm,1.0s						
RIMA	Rio Macho	0.72	62	PG	02 28 36.6	-0.2
RIMA				Sg	02 28 45.9	-0.5
RIMA	Rio Macho	0.72	62	EP	02 28 36.8	0.0
RIMA				IS	02 28 36.7	
RIMA				IAML	02 28 48.4	
comp=Z,770µm,1.0s						
CORON	Coronado	0.74	42	EP	02 28 37.4	+0.3
CORON				ES	02 28 48.4	-0.2
CDM	Cerro de Muert	0.74	80	EP	02 28 37.6	+0.2
CDM				ES	02 28 49.6	+0.6
CDM	Cerro de Muert	0.74	80	IP	02 28 38.2	
CDM				IS	02 28 50.3	
CDM				IAML	02 28 51.5	
comp=Z,1800µm,1.0s						
REPA	Paraso	0.75	57	EP	02 28 38.3	+0.3
REPA				ES	02 28 48.9	+0.2
BUS1	Rivas	0.76	80	EP	02 28 39.0	+0.5
ZARE	Zarcoro	0.77	9	EP	02 28 37.8	+0.2
VPT	Posaito	0.80	22	EP	02 28 38.4	+0.1
VPT	Posaito	0.80	22	IP	02 28 38.4	+0.1
VPT				IS	02 28 49.7	
VPT				IAML	02 28 50.8	
comp=Z,1700µm,1.0s						
VPS6	Volcano Poas	0.81	20	EP	02 28 38.2	-0.2
CVIMO	Finca Echandii	0.82	43	EP	02 28 37.6	+0.3
POAS	Crater Von Fra	0.82	19	EP	02 28 35.4	-3.2
PCAYA	Pacayas	0.84	54	EP	02 28 39.3	-0.1
PCAYA				ES	02 28 51.5	+0.3
HAYA	Volcan Irazu	0.86	50	IP	02 28 39.5	
HAYA				IS	02 28 52.1	
HAYA				IAML	02 28 56.9	
comp=Z,1200µm,1.0s						
VICA	Volcano Irazu	0.86	49	EP	02 28 39.5	+0.2
CPMI	Catarata Coope	0.86	8	EP	02 28 39.0	-0.3
CPMI	Catarata Coope	0.86	8	IP	02 28 39.0	-0.3
CPMI				IS	02 28 51.5	
CPMI				IAML	02 29 00.1	
comp=Z,810µm,1.0s						
ICR3	Volcano Irazu	0.86	50	EP	02 28 39.5	+0.2
RAFA	San Farael, Vo	0.87	52	EP	02 28 39.6	-0.2
RAFA	San Farael, Vo	0.87	52	IP	02 28 39.7	-0.2
RAFA				IS	02 28 52.2	
RAFA				IAML	02 29 00.1	
comp=Z,2000µm,1.0s						
VINA	Volcan Vinas	0.88	58	EP	02 28 39.9	0.0
OCHAL	Ojochal	0.91	111	IP	02 28 55.1	
OCHAL				IS	02 28 56.6	
OCHAL				IAML	02 28 56.6	
comp=Z,4µm,1.0s						
VRTT	Volcan Turrial	0.91	51	EP	02 28 40.2	+0.2
VTLA	Turrialba Volc	0.92	51	EP	02 28 39.5	+0.1
MONTE	Monteverde	0.93	341	IP	02 28 39.5	+0.9
MONTE				ES	02 28 52.7	+0.4
CVTO	Turrialba Volc	0.93	52	EP	02 28 40.8	+0.1
TURIB	Turrialba	0.94	59	EP	02 28 41.6	+1.0
TURIB				ES	02 28 54.8	+1.0
VTRO	Volcan Turrial	0.94	51	EP	02 28 41.0	+0.4
CVTV	Tajo	0.94	52	EP	02 28 41.1	+0.2
MTEVE	Monteverde	0.94	340	EP	02 28 39.7	-0.9
CVTR	Volcan Turrial	0.95	51	EP	02 28 41.2	+0.2
VTCV	VTCV, Calle Va	0.95	54	EP	02 28 41.2	+0.3
VERB	Verbena	0.95	57	EP	02 28 44.8	+0.8
VERB				ES	02 28 53.1	-0.1
POCOS	Pocosol	0.96	353	EP	02 28 40.1	-0.7
SOCE				Sb	02 28 53.1	-0.1
SOCE	Pocosol	0.96	353	EP	02 28 40.5	-0.3
SOCE				IS	02 28 40.8	
SOCE				IS	02 28 44.0	
SOCE				IAML	02 28 56.5	

comp=Z,1200µm,1.0s	JUNT Juntas	0.96	332	EP	Pb	02 28 39.6	-1.2
	JUNT			ES	Pb	02 28 52.4	-0.7
	JTS	0.97	333	PG	Pg	02 28 39.6	-1.4
comp=Z,11µm,0.3s,baz=60,slow=5,-4	JTS			Lg	Lg	02 28 52.3	
comp=Z,56µm,0.3s,baz=60,slow=8,1,SNR=26	JTS			LR	LR	02 29 07.6	
comp=Z,1863µm,18.2s,baz=286,slow=54	VTLO			EP	Pn	02 28 41.7	+0.3
CASO	Castillo	1.03	347	IP	Pn	02 28 41.6	-0.2
CASO				ES	Pn	02 28 55.6	+0.1
ITAL	Pital	1.05	13	EP	Pn	02 28 42.0	0.0
TUNA	La Fortuna	1.05	353	EP	Pn	02 28 42.1	0.0
FORC	Fortuna	1.05	351	IP	Pn	02 28 42.0	0.0
AREN1	Arenal 1	1.05	349	EP	Pn	02 28 42.0	-0.1
ARE1	Arenal 1	1.05	349	EP	Pb	02 28 43.0	+0.6
VACR	Volcan Arenal	1.06	351	EP	Pn	02 28 42.3	+0.1
VACR	Volcan Arenal	1.06	351	IP	Pn	02 28 42.3	
VACR				IS	Pn	02 28 57.8	
VACR				IAML	Pn	02 29 02.1	
comp=Z,810µm,1.0s	RIFO	1.06	33	IP	Pb	02 28 42.6	
RIFO	Rio Frio, Sara			IS	Pb	02 28 57.6	
RIFO				IAML	Pb	02 29 02.8	
comp=Z,1000µm,1.0s	CEDE	1.06	330	IP	Pb	02 28 42.5	+0.1
RIFO	Rio Frio, Sara	1.06	330	IP	Pb	02 28 42.6	-0.1
CEDE	Laguna Cedeo	1.07	350	IP	Pb	02 28 59.9	+3.2
CEDE				ES	Pn	02 28 40.9	-1.5
INDI	Punta indio, G	1.08	294	EP	Pn	02 28 41.1	
INDI	Punta indio, G	1.08	294	IP	Pn	02 28 58.5	
INDI				IS	Pn	02 29 01.0	
INDI				IAML	Pn	02 29 01.0	
comp=Z,1100µm,1.0s	TABAC	1.10	347	EP	Pb	02 28 43.1	-0.1
TABAC	Tabacon			ES	Pn	02 28 58.5	+1.3
SARA	Sarapiquí	1.13	25	EP	Pn	02 28 42.0	+0.6
EDPN	Palmar Norte	1.13	114	EP	Pb	02 28 44.4	+0.7
EDPN				ES	Pb	02 29 01.7	+3.7
NARJA	Naranjal	1.16	298	EP	Pn	02 28 42.0	-1.6

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SJTE, PAVA, PANCS, LALI, UDBS, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OTAV, HOPE, GARC, CRUC, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TIGA, KINGSVILLE, GRW, etc.

13d 2h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GOGA, NHSC, Y52A, Y57A, Y58A, etc.

2017 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OXF, BIRD, PAULI, W52A, W57A, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like V52A, V52A, FW06, MIAR, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like O52A, PB18, ACSCO, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like M50A, M50A, MDP, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like N62A, N62A, N62A, etc.

13d 2h

Table with columns: PFO, Pinyon Flats O, 37.98 314, P, P, 02 35 40.7 +1.6, etc. Lists various station identifiers and their associated data points.

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Table with columns: E28A, Huff, 39.52 342, IAMS_20, IAMS_20, 02 53 48.2, etc. Lists station identifiers and their associated data points.

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Table with columns: VOG, Valley Oaks Go, 41.44 316, P, P, 02 36 08.8 +1.1, etc. Lists station identifiers and their associated data points.

MT09	comp=Z,340nm,1.2s	44.84 164	I	Amb	I	Amb	02 36 49.5
PCMB	comp=Z,225nm,1.2s	44.90 134	eP	P	P	P	02 36 36.5 +0.6
MSO	Pacaembu Missoula baz=137,SNR=24	44.91 331	P	P	P	P	02 36 34.0 -1.7
MSO	baz=137	S	S	S	S	S	02 43 27.7 +3.3
MSO	Missoula	44.91 331	↑	P	P	P	02 36 33.2 -2.5
MSO			↓	P	P	P	02 36 34.5 -1.2
MCR1	Marechal Candi	44.93 139	eP	P	P	P	02 36 37.1 +1.0
SDBA	SAO DESIDERIO	44.93 118	eP	P	P	P	02 36 36.6 +0.3
IPMB	Ipaner, G	45.01 127	eP	P	P	P	02 36 37.5 +0.6
LMEL	Las Melosas comp=Z,218nm,1.3s	45.13 163	I	Amb	I	Amb	02 36 52.4
BO04	La Puntia	45.15 164	I	Amb	I	Amb	02 36 52.6
BMO	Blue Mountains comp=Z,217nm,1.2s	45.23 327	I	IAMS_20	IAMS_20	IAMS_20	02 58 51.9
BMO	Blue Mountains comp=Z,249nm,19.0s	45.23 327	↑	P	P	P	02 36 36.0 -2.3
BMO	Blue Mountains	45.23 327	↑	P	P	P	02 36 36.0 -2.3
BMO	Blue Mountains	45.23 327	↑	P	P	P	02 36 36.0 -2.3
BOPS	Hopland Field	45.23 317	I	Amb	I	Amb	02 38 21.9
BO01	Tunca comp=Z,272nm,1.6s	45.40 164	I	Amb	I	Amb	02 36 54.5
DRLN	Deer Lake	45.66 25	P	P	P	P	02 36 40.7 -0.9
DRLN	comp=Z,422nm,1.1s	IAMS_20	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 54 56.9
GO05	Huala	45.77 166	P	P	P	P	02 36 44.2 +1.7
BO02	Sierra Bellavi	45.85 164	I	Amb	I	Amb	02 37 01.6
F10A	Beach Ranch, E comp=Z,459nm,1.4s	45.93 328	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 59 24.5
F10A	Beach Ranch, E comp=Z,459nm,18.0s	45.93 328	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 59 24.5
K05A	Summer Lake comp=Z,384nm,1.3s	45.95 323	I	Amb	I	Amb	02 38 26.9
K05A	comp=Z,384nm,1.3s	IAMS_20	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 59 15.2
KCPM	Cahto Peak comp=Z,266nm,21.0s	46.01 317	I	Amb	I	Amb	02 37 01.5
MECA	Miercede comp=Z,359nm,1.5s	46.11 147	eP	P	P	P	02 36 48.0 +2.7
LDASE	Londrina, Braz	46.16 135	eP	P	P	P	02 36 46.2 +0.5
KMRM	Mali Ridge comp=Z,239nm,1.5s	46.37 318	I	Amb	I	Amb	02 38 26.6
PTBG	Pitanga	46.40 138	eP	P	P	P	02 36 48.0 +2.6
G06A	Pilot Rock	46.41 327	P	P	P	P	02 36 45.3 -2.3
YBH	Yreka Blue Hor comp=Z,389nm,20.0s,baz=140,slow=40	46.56 310	LR	LR	LR	LR	02 59 44.2
BB19B	Bebedouro	46.56 131	eP	P	P	P	02 36 49.6 +0.6
PINE	Pine Mountain comp=Z,193nm,1.3s	46.60 324	I	Amb	I	Amb	02 38 29.2
PINE	comp=Z,193nm,1.3s	IAMS_20	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 58 54.4
ML02	Panimavida comp=Z,439nm,19.0s	46.61 165	I	Amb	I	Amb	02 37 03.8
FRBT	Francisco Belt comp=Z,450nm,1.4s	46.62 140	eP	P	P	P	02 36 49.5 0.0
JANB	Januarja	46.67 121	eP	P	P	P	02 36 50.6 +0.6
KHMM	Horse Mountain comp=Z,469nm,20.0s	46.71 319	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 57 44.6
PMNB	Patos De Minas comp=Z,208nm,1.3s	46.72 127	eP	P	P	P	02 36 51.4 +1.0
KMPM	Mount Pierce comp=Z,208nm,1.3s	46.73 318	I	Amb	I	Amb	02 38 29.5
E09A	Wood Farm, Sta comp=Z,569nm,19.0s	46.77 328	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 00 06.6
CRSM	Crisiuma (Br comp=Z,569nm,19.0s)	47.09 142	eP	P	P	P	02 36 53.6 +0.5
B105	Punta Hualp comp=Z,629nm,21.0s	47.14 168	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 51 49.3
I05D	Terrebonne, OR comp=Z,213nm,1.6s	47.16 324	I	Amb	I	Amb	02 38 30.8
KRMB	Red Mountain comp=Z,251nm,21.0s	47.16 319	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 58 05.4
FRTB	Fatura	47.21 134	eP	P	P	P	02 36 55.2 +1.1
ITQB	Itaqui	47.24 146	P	P	P	P	02 36 55.4 +1.2
ITQB	Itaqui	47.24 146	eP	P	P	P	02 36 55.8 +1.6
FFC	Flin Flon comp=Z,849nm,18.0s	47.28 346	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 58 46.4
FFC	Flin Flon	47.28 346	P	P	P	P	02 36 52.2 -1.9
G06A	Carlson Farm, comp=Z,239nm,1.3s	47.30 325	I	Amb	I	Amb	02 38 28.2
KXSB	Camp Six Broad comp=Z,679nm,20.0s	47.30 320	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 59 46.7
SCXO	Schefferville comp=Z,212nm,1.2s,baz=208,slow=6,1,SNR=59	47.42 14	P	P	P	P	02 36 52.6 -2.6
SCHO	comp=Z,201nm,19.7s,baz=202,slow=37	LR	LR	LR	LR	LR	02 57 25.5
NEW	Newport comp=Z,212nm,1.2s	47.44 331	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 59 09.9
NEW	Newport comp=Z,212nm,1.2s	47.44 331	P	P	P	P	02 36 53.9 -1.7
NEW	baz=134,SNR=11	S	S	S	S	S	02 43 49.7 +1.0
NEW	Newport	47.44 331	↑	P	P	P	02 36 53.4 -2.2
NEW	Newport	47.44 331	↓	P	P	P	02 36 54.1 -1.4
NEW	Newport	47.44 331	↑	P	P	P	02 36 54.2 -1.4
NEW	Newport	47.44 331	LR	LR	LR	LR	03 00 17.6
DOB8	Wollman Farm, comp=Z,469nm,19.2s,baz=139,slow=40	47.53 328	P	P	P	P	02 36 54.4 -1.8
DOB8	Wollman Farm,	47.53 328	I	Amb	I	Amb	02 38 28.7
DOB8	comp=Z,393nm,1.8s	IAMS_20	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 58 57.9
DOB8	Dodson Butte comp=Z,569nm,20.0s	47.60 322	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 58 57.9
UNIS	Unistala (Br	47.65 144	eP	P	P	P	02 36 59.3 +1.9
C09A	Chrisman Ranch comp=Z,659nm,22.0s	47.69 330	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 59 11.9
H04A	Detroit Lake comp=Z,199nm,1.6s	47.85 324	I	Amb	I	Amb	02 38 29.4
H04A	Detroit Lake comp=Z,199nm,1.6s	47.85 324	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 00 36.4
I03D	Drain, OR comp=Z,589nm,20.0s	47.98 322	I	Amb	I	Amb	02 38 30.4
I03D	Drain, OR comp=Z,229nm,1.7s	47.98 322	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 59 13.9
BUCK	Buck Mountain comp=Z,549nm,22.0s	48.04 323	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 00 42.5
J01E	Myrtle Point comp=Z,215nm,1.5s	48.04 321	I	Amb	I	Amb	02 37 45.2
ITAB	Concordia	48.09 140	eP	P	P	P	02 37 01.7 +0.9
RCLB	Rio Claro- Sao	48.11 132	eP	P	P	P	02 37 02.0 +0.9
KEBM	Edson Butte comp=Z,189nm,1.2s	48.14 321	I	Amb	I	Amb	02 37 16.1
COR	Corvallis comp=Z,559nm,22.0s	48.45 323	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 00 06.9
COR	Corvallis	48.45 323	P	P	P	P	02 37 03.7 +0.3
RODS	Rosario do Sul	48.55 146	eP	P	P	P	02 37 06.3 +2.0
ALGR	Alto Alegre (B	48.65 142	eP	P	P	P	02 37 06.1 +0.9
F04A	Amboy	48.72 325	I	Amb	I	Amb	02 38 35.2
G03D	McMinnville, O comp=Z,659nm,20.0s	48.78 324	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 01 13.6
DIAM	Diamond, MG	48.81 124	eP	P	P	P	02 37 07.6 +0.9
LON	Longmire comp=Z,272nm,1.8s	48.87 326	I	Amb	I	Amb	02 38 33.0
LON	comp=Z,272nm,1.8s	IAMS_20	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 01 22.9
VAO	Valinhos	48.88 132	eP	P	P	P	02 37 07.9 +0.8
SPB	Sao Paulo comp=Z,231nm,1.5s	48.89 133	I	Amb	I	Amb	02 37 19.4
SPB	Sao Paulo	48.89 133	eP	P	P	P	02 37 08.3 +1.2
HEBO	Mount Hebo comp=Z,259nm,20.0s	49.00 324	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 00 24.3
F04D	Rainier, OR comp=Z,530nm,1.5s	49.14 325	I	Amb	I	Amb	02 38 35.9
D05A	Enumclaw comp=Z,235nm,1.3s	49.23 327	I	Amb	I	Amb	02 38 37.4
D05A	comp=Z,235nm,1.3s	IAMS_20	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 01 42.5
BSCB	Bom Sucesso comp=Z,449nm,20.0s	49.38 128	eP	P	P	P	02 37 11.8 +0.9
PET0	Ilanhaem-SP	49.43 133	eP	P	P	P	02 37 10.9 -0.3
EDM	Edmont, ON comp=Z,699nm,20.0s	49.48 338	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 00 56.7
CP5B	Capacava Do Su	49.59 144	eP	P	P	P	02 37 13.6 +1.3
RADR	Rader Ridge comp=Z,499nm,18.0s	49.78 325	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 01 22.0
B06A	Paraibuna comp=Z,449nm,22.0s	49.79 328	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 00 45.1
PARB	Paraibuna	50.07 131	eP	P	P	P	02 37 16.8 +0.7
LR03	Pangipulli comp=Z,296nm,1.7s	50.09 168	I	Amb	I	Amb	02 37 54.4
LR03	comp=Z,296nm,1.7s	IAMS_20	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 53 39.5
WISH	Wishkah comp=Z,479nm,20.0s	50.17 326	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 01 24.2
WISH	Wishkah comp=Z,772nm,21.0s	50.17 326	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 01 24.2
GO06	Curarehue	50.24 167	I	Amb	I	Amb	02 37 28.6
GO06	comp=Z,229nm,1.6s	IAMS_20	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 53 57.3
CNLB	Canela	50.35 141	eP	P	P	P	02 37 19.5 +1.3
PLTB	Pedras Altas	50.51 145	I	Amb	I	Amb	02 37 19.7 +0.4
PLTB	comp=Z,389nm,19.0s	IAMS_20	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 00 05.2
PLTB	Pedras Altas	50.51 145	eP	P	P	P	02 37 20.7 +1.4
RCBR	Riachuelo comp=Z,659nm,20.0s	50.75 105	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 58 55.2
RCBR	Riachuelo	50.75 105	P	P	P	P	02 37 22.5 +1.1
RCBR	comp=Z,125nm,1.4s	50.75 105	eP	P	P	P	02 37 23.0 +1.6
RCBR	Riachuelo	50.75 105	LR	LR	LR	LR	02 59 07.1
LPA	La Plata	50.76 152	eP	P	P	P	02 37 21.6 +0.6
LPA	comp=Z,579nm,20.7s,baz=302,slow=36	50.76 152	PPP	PPP	PPP	PPP	02 39 17.1 -0.4
LPA	La Plata	50.76 152	eP	P	P	P	02 40 19.7
LPA	La Plata	50.76 152	S	S	S	S	02 44 40.6 +5.2
LPA	La Plata	50.76 152	SS	SS	SS	SS	02 48 34.9 -1.8
LPA	La Plata	50.76 152	SSS	SSS	SSS	SSS	02 49 41.1
SJMB	Sao Joao De Ma	51.06 123	eP	P	P	P	02 37 25.4 +1.8
VAS01	Vassouras-RJ	51.12 129	eP	P	P	P	02 37 25.1 +1.1
GU01	Guaratinga, BA	51.22 120	eP	P	P	P	02 37 25.7 +0.9
CLRS	Cowardin Lake comp=Z,339nm,20.0s	51.37 327	IAMS_20	IAMS_20	IAMS_20	IAMS_20	03 03 02.8
LL03	Petrohue comp=Z,479nm,20.0s	51.53 168	IAMS_20	IAMS_20	IAMS_20	IAMS_20	02 54 22.5
PLCA	Paso Flores	51.54 166	P	P	P	P	02 37 28.0 +1.1
PLCA	comp=Z,221nm,1.2s	I	Amb	I	Amb	I	02 37 40.0
PLCA	Paso Flores	51.54 166	eP	P	P	P	02 37 29.5 +2.6
PLCA	Paso Flores	51.54 166	eP	P	P	P	02 37 28.6 +1.7
PLCA	comp=Z,32nm,1.0s,baz=343,slow=9,0,SNR=47	LR	LR	LR	LR	LR	02 55 01.7
TR							

HYT	Haines Junction	64.36 334	P	P	02 38 55.7	-1.0
HYT	Haines Junction	64.36 334	P	P	02 38 56.1	-0.5
HYT	baz=119,SNR=8.5		S	S	02 47 40.5	+6.9
N30M	Aishkik Lake	64.49 335	IAMS_20	IAMS_20	03 10 59.7	
N30M	Aishkik Lake	64.49 335	P	P	02 38 57.0	-0.5
N30M	baz=120		S	S	02 47 40.0	+4.9
O29M	Mount Kennedy	64.57 333	IAMS_20	IAMS_20	03 09 25.9	
O29M	Mount Kennedy	64.57 333	P	P	02 38 57.3	-0.8
O29M	Mount Kennedy	baz=118	S	S	02 47 41.5	+5.2
PNL	Peninsula	64.65 333	P	P	02 38 57.7	-0.8
PNL	baz=117		S	S	02 47 44.9	+7.9
YUK6	Outpost Mounta	64.78 334	P	P	02 38 59.3	-0.3
YUK6	baz=118,SNR=10		S	S	02 47 46.2	+7.2
M30M	Minto, Yukon	64.94 336	IAMS_20	IAMS_20	03 11 59.9	
M30M	Minto, Yukon	64.94 336	P	P	02 38 59.1	-1.2
M30M	baz=120,SNR=48		S	S	02 47 42.9	+2.4
EFI	East Falkland	64.99 162	IAMS_20	IAMS_20	03 12 03.4	
NUUG	Nuugaatsiaq	64.99 11	i/P	Iamb	02 38 59.8	-0.6
NUUG	comp=Z,207nm,0.8s				02 39 05.6	
C36M	Paulatuk	65.04 346	P	P	02 38 57.7	-3.1
C36M	baz=136,SNR=9.7		S	S	02 47 43.0	+1.6
YUK4	Talbot Arm	65.09 334	P	P	02 39 01.0	-0.6
MAYO	Mayo, Yukon	65.11 337	Iamb	Iamb	02 39 22.9	
MAYO	comp=Z,55um,21.0s		IAMS_20	IAMS_20	03 09 36.6	
MAYO	Mayo, Yukon	65.11 337	P	P	02 39 00.8	-0.6
MAYO	baz=122		S	S	02 47 45.3	+2.7
PINM	Pinnacle	65.23 333	P	P	02 39 02.1	-0.2
PINM	baz=116		S	S	02 47 50.2	+6.0
USHA	Ushuaia	65.42 170	LR	LR	02 02 02.0	
O28M	Mount Upton	65.50 334	P	P	02 39 03.9	-0.4
O28M	baz=116		S	S	02 47 56.7	+8.8
RES	Resolute Bay	65.50 357	LR	LR	03 07 31.8	
M29M	Somme Creek	65.54 336	P	P	02 39 03.5	-0.9
M29M	baz=119		S	S	02 47 55.7	+7.7
YUK8	Steele Glacier	65.55 334	P	P	02 39 03.8	-0.7
YUK8	baz=117,SNR=9.7		S	S	02 47 55.7	+7.3
MG01	Puerto William	65.66 169	IAMS_20	IAMS_20	03 03 42.4	
L29M	L29M	65.73 336	P	P	02 39 04.4	-1.1
L29M	baz=119		S	S	02 47 56.1	+5.9
TABL	Table Mountain	65.78 333	IAMS_20	IAMS_20	03 10 38.3	
J30M	Hart River	65.80 338	P	P	02 39 04.9	-1.1
J30M	baz=122		S	S	02 47 53.9	+2.8
K29M	Barlow Dome	65.86 337	P	P	02 39 05.2	-1.2
K29M	baz=120,SNR=17		S	S	02 47 57.4	+5.4
LOGN	Logan Glacier	65.88 333	IAMS_20	IAMS_20	03 13 15.6	
PMOZ	Porto Moniz, M	65.91 58	eP	S	02 39 08.5	+1.3
PMOZ	comp=Z,702nm,1.3s				02 47 56.9	+3.4
PMOZ	comp=Z,14um,20.0s		eLQ	LQ	02 55 59.2	
PMOZ	Porto Moniz, M	65.91 58	P	P	02 39 08.9	+1.7
PMOZ	Porto Moniz, M	65.91 58	P	P	02 39 07.1	+0.4
MESA	MESA	66.03 333	P	P	02 39 07.3	-0.3
MESA	baz=114		S	S	02 48 03.9	+1.0
YUK3	Moose Creek	66.06 334	P	P	02 39 06.9	-1.0
CTGM	Chitina Glacie	66.09 333	Iamb	Iamb	02 40 01.2	
CTGM	comp=Z,53um,19.0s		IAMS_20	IAMS_20	03 13 31.5	
CTG	Chitna Glacier	66.09 333	P	P	02 39 07.6	-0.3
CTG	baz=115,SNR=12		S	S	02 48 04.1	-1.6
MBO	M Bour	66.09 78	IAMS_20	IAMS_20	03 03 34.0	
PMAR	Madeira	66.14 58	eP	P	02 39 09.6	+0.8
FUL	Funchal	66.15 59	eP	P	02 39 08.6	-0.1
I30M	Mount Dempster	66.16 339	P	P	02 39 07.3	-0.9
I30M	baz=122		S	S	02 47 57.7	+2.2
GRNC	Grante Creek	66.17 333	IAMS_20	IAMS_20	03 11 00.4	
ICESG	Greenland Ices	66.24 16	i/P	Iamb	02 39 07.4	-1.6
ICESG	comp=Z,87nm,0.9s				02 39 12.8	
MACI	Morro de la Ar	66.25 63	P	P	02 39 10.0	+0.3
BARN	Barnard Glacie	66.27 333	IAMS_20	IAMS_20	03 13 37.9	
G31M	Satah River	66.38 341	IAMS_20	IAMS_20	03 12 26.8	
G31M	comp=Z,52um,21.0s		P	P	02 39 07.9	-1.5
G31M	baz=125,SNR=44		S	S	02 48 00.6	+2.9
ISLE	Juniper Island	66.38 333	Iamb	Iamb	02 39 41.1	
ISLE	comp=Z,141nm,1.5s					
SNH	Sunshine Point	66.44 332	Iamb	Iamb	02 39 42.0	
F31M	Tsighehtich	66.51 341	IAMS_20	IAMS_20	03 12 45.2	
F31M	comp=Z,51um,18.0s		P	P	02 39 09.3	-1.0
F31M	Tsighehtich	66.51 341	P	P	02 39 09.3	-1.0
F31M	baz=125,SNR=52		S	S	02 48 01.0	+1.6
BVCY	Beaver Creek	66.52 335	P	P	02 39 09.8	-0.8
BVCY	baz=116,SNR=18		S	S	02 48 01.2	+0.1
BGLC	Bering Glacier	66.62 332	P	P	02 39 11.5	+0.1
BGLC	baz=113		S	S	02 48 05.1	+4.3
PMPST	Porto Santo, M	66.65 58	eP	P	02 39 11.4	-0.5
TGL	Tana Glacier	66.67 333	Iamb	Iamb	02 40 04.5	
DAWY	Dawson	66.69 337	P	P	02 39 10.2	-1.4
DAWY	baz=118,SNR=16		S	S	02 48 09.0	+7.1
CRQE	Cirque	66.78 333	P	P	02 39 11.8	-0.5
CRQE	baz=114		S	S	02 48 06.7	+3.5
EPYK	Eagle Plains	66.89 340	IAMS_20	IAMS_20	03 13 36.3	
EPYK	comp=Z,33um,18.0s		P	P	02 39 11.7	-1.1
EPYK	baz=122,SNR=31		S	S	02 48 08.9	+4.8
M27K	Edge Creek, AK	66.92 335	IAMS_20	IAMS_20	03 11 08.9	

M27K	Edge Creek, AK	66.92 335	P	P	02 39 12.1	-1.1
M27K	baz=115,SNR=14		S	S	02 48 03.7	-1.2
I29M	Ogilvie Camp,	66.92 338	IAMS_20	IAMS_20	03 10 07.3	
I29M	comp=Z,63um,22.0s		P	P	02 39 11.8	-1.3
I29M	Ogilvie Camp,	66.92 338	P	P	02 39 11.8	-1.3
I29M	baz=120,SNR=36		S	S	02 48 05.6	+1.0
INK	Inuvik	66.95 342	P	P	02 39 12.0	-1.1
INK	baz=126,SNR=126		S	S	02 48 06.3	+1.6
INK	baz=126		LR	LR	03 11 34.4	
INK	Inuvik	66.95 342	LR	LR	03 11 34.4	
KULLO	Kullorsuaq	66.96 8	i/P	Iamb	02 39 13.5	+0.5
KULLO	comp=Z,32nm,1.0s				02 39 27.2	
MCARA	McCarthy VSAT	67.01 334	IAMS_20	IAMS_20	03 12 41.8	
MCARA	McCarthy VSAT	67.01 334	P	P	02 39 13.4	-0.2
MCARA	baz=114,SNR=13		S	S	02 48 10.6	+5.0
G30M	baaz=114	67.05 340	IAMS_20	IAMS_20	03 11 42.9	
G30M	taoH Zraii Njii	67.05 340	P	P	02 39 12.4	-1.4
G30M	comp=Z,34um,18.0s		S	S	02 48 08.9	+2.8
G30M	taoH Zraii Njii	67.05 340	P	P	02 39 12.4	-1.4
G30M	baz=123,SNR=12		S	S	02 48 08.9	+2.8
KAIM	Kayak Island	67.07 332	Iamb	Iamb	02 39 24.3	
KAIM	comp=Z,115nm,1.1s		IAMS_20	IAMS_20	03 08 15.5	
KAIM	Kayak Island	67.07 332	P	P	02 39 14.5	+0.5
EOSO	Osorio	67.09 64	P	P	02 39 15.1	+0.2
EOSO	comp=Z,42um,20.0s		S	S	02 48 15.5	+7.5
VRDI	Verde Repeater	67.13 333	Iamb	Iamb	02 40 34.0	
VRDI	comp=Z,165nm,1.8s		IAMS_20	IAMS_20	03 13 18.1	
HMT	Hamilton	67.15 332	Iamb	Iamb	02 40 34.3	
L27K	Beaver Creek,	67.20 335	P	P	02 39 14.3	-0.6
L27K	baz=116		S	S	02 48 11.9	+3.8
A36M	Sachs Harbour	67.22 347	P	P	02 39 12.6	-2.2
A36M	baz=136,SNR=44		S	S	02 48 10.7	+2.8
F30M	Barrier River	67.25 341	P	P	02 39 14.3	-0.8
F30M	baz=123,SNR=103		S	S	02 48 11.7	+3.3
PMOR	Pomario Rio	67.34 249	eP	T	02 39 25.5	+9.0
PMOR	comp=Z,171nm,1.2s				03 02 03.7	
GLB	Gilahina River	67.38 333	IAMS_20	IAMS_20	03 13 35.6	
H29M	Whitestone	67.38 339	Iamb	Iamb	02 39 24.4	
H29M	comp=Z,43um,19.0s		IAMS_20	IAMS_20	03 12 02.8	
H29M	Whitestone	67.38 339	P	P	02 39 15.4	-0.5
H29M	baz=120		S	S	02 48 10.4	+0.4
M26K	Nabesna, AK	67.41 335	IAMS_20	IAMS_20	03 11 35.0	
M26K	comp=Z,55um,21.0s		P	P	02 39 15.7	-0.5
M26K	Nabesna, AK	67.41 335	P	P	02 39 15.7	-0.5
M26K	baz=114		S	S	02 48 14.2	+3.6
BMRM	Bremner River	67.55 333	P	P	02 39 16.7	-0.4
BMRM	baz=112		S	S	02 48 16.5	+4.2
I28M	Mirer Creek	67.56 338	P	P	02 39 16.1	-1.1
I28M	baz=118		S	S	02 48 16.6	+4.3
G29M	Pine Creek	67.61 340	IAMS_20	IAMS_20	03 13 57.9	
G29M	comp=Z,23um,19.0s		P	P	02 39 16.4	-0.9
G29M	Pine Creek	67.61 340	P	P	02 39 16.4	-0.9
G29M	baz=121		S	S	02 48 16.5	+3.7
EGAK	Eagle	67.70 337	P	P	02 39 16.7	-1.2
EGAK	baz=117,SNR=17		S	S	02 48 16.0	+2.1
K27K	Chicken	67.73 336	P	P	02 39 17.9	-0.2
K27K	baz=116		S	S	02 48 20.6	+6.4
N25K	Chitna, Valde	67.79 333	IAMS_20	IAMS_20	03 13 57.4	
N25K	comp=Z,48um,19.0s		P	P	02 39 18.4	-0.3
N25K	Chitna, Valde	67.79 333	P	P	02 39 18.4	-0.3
N25K	baz=112,SNR=16		S	S	02 48 20.1	+4.9
MID	Middleton Isla	67.80 331	IAMS_20	IAMS_20	03 12 17.8	
Q23K	Middleton Isla	67.80 331	IAMS_20	IAMS_20	03 12 08.9	
Q23K	comp=Z,21um,18.0s		P	P	02 39 18.9	+0.3
L26K	Log Cabin Wild	67.82 335	P	P	02 39 18.2	-0.6
L26K	baz=114,SNR=36		S	S	02 48 23.2	+7.9
EYAK	Cordova Ski Ar	67.92 332	P	P	02 39 19.0	-0.3
EYAK	Cordova Ski Ar	67.92 332	P	P	02 39 19.2	-0.1
EYAK	baz=111,SNR=8.9		S	S	02 48 22.9	+6.4
MENT	Mentasta	67.94 335	IAMS_20	IAMS_20	03 11 28.3	
MENT	comp=Z,43um,21.0s		P	P	02 39 18.7	-0.8
I27K	Kandik River	68.25 338	P	P	02 39 20.8	-0.7
I27K	baz=117		S	S	02 48 24.0	+3.4
FID	Port Fidalgo	68.32 332	Iamb	Iamb	02 39 57.3	
KLU	Klutina	68.33 333	P	P	02 39 21.7	-0.4
KLU	baz=111,SNR=14		S	S	02 48 28.6	+6.9
HARP	HAARP	68.33 334	P	P	02 39 21.0	-1.0
E29M	Blow River	68.34 341	IAMS_20	IAMS_20	03 14 18.1	
E29M	comp=Z,39um,20.0s		P	P	02 39 20.9	-1.0
E29M	Blow River	68.34 341	P	P	02 39 20.9	-1.0
E29M	baz=122		S	S	02 48 19.0	-2.5
MEH	Mehetia	68.36 247	eP	P	02 39 26.1	+3.2
SCRK	Sand Creek	68.47 336	IAMS_20	IAMS_20	03 15 09.3	
SCRK	comp=Z,53nm,1.3s		P	P	02 39 22.3	-0.6
SCRK	Sand Creek	68.47 336	P	P	02 39 22.3	-0.6
SCRK	baz=114,SNR=30		S	S	02 48 28.2	+4.8
P23K	Montague Islan	68.50 331	P	P	02 39 21.8	-1.2
H27K	Steamboat Moun	68.51 339	P	P	02 39 22.2	-0.8
H27K	baz=117		S	S	02 48 26.3	+2.7
J26L	Joseph Creek	68.52 336	P	P	02 39 22.9	-0.3
J26L	baz=114		S	S	02 48 28.1	+4.3
F28M	Old Crow	68.59 340	P	P	02 39 22.4	-1.1
F28M	baz=119,SNR=47					

HDA	Harding Lake comp=Z,49um,20.0s baz=111,SNR=49	69.83 336	IAMs_20	IAMs_20	03 14 11.3
HDA	Harding Lake baz=111		S	S	02 39 30.0 -1.2
HDA			P	S	02 48 39.8 +0.6
HDA			S	S	02 48 39.8 +0.6
RC01	Rabbit Creek A comp=Z,106nm,1.1s	69.94 332	IAMB	IAMB	02 39 40.6
RC01	Rabbit Creek A baz=108,SNR=10	69.94 332	P	S	02 39 31.1 -0.8
RC01			S	S	02 48 42.4 +1.9
ILAR	Eielson Array comp=Z,7.9nm,1.3s,baz=116,slow=4.0,SNR=9.1	69.94 336	P	P	02 39 30.6 -1.3
ILAR			PP	PP	02 42 04.9 -1.7
ILAR			LR	LR	03 15 35.5
WAT1	Susitna Watana baz=109	69.96 334	P	P	02 39 30.7 -1.3
WAT1			S	S	02 48 43.5 +2.8
FYU	Fort Yukon comp=Z,50um,20.0s	70.03 338	IAMs_20	IAMs_20	03 13 12.6
BRSE	Bradley Lake S baz=106	70.03 330	P	P	02 39 31.2 -1.3
BRSE			S	S	02 48 44.0 +2.3
F26K	Sheenjek River baz=115	70.08 339	P	P	02 39 31.9 -0.9
F26K			S	S	02 48 46.1 +4.0
H25L	Birch Creek baz=113	70.10 338	P	P	02 39 32.3 -0.5
BRLK	Bradley Lake comp=Z,289nm,1.5s	70.10 330	IAMB	IAMB	02 39 35.3
BRLK			IAMs_20	IAMs_20	03 15 33.9
CNPM	China Poot comp=Z,26um,18.0s	70.21 330	P	P	02 39 32.4 -1.2
CNPM			IAMB	IAMB	02 39 33.9
CNPM			IAMs_20	IAMs_20	03 13 20.6
BORG	Borgarnes comp=Z,32um,1.8s	70.25 24	LR	LR	03 10 28.7
CCB	Clear Creek Bu comp=Z,26um,18.1s,baz=246,slow=36	70.26 336	IAMs_20	IAMs_20	03 14 56.7
POKR	Poker Plat Res comp=Z,45um,20.0s	70.28 336	IAMs_20	IAMs_20	03 13 00.2
POKR	Poker Plat Res baz=111,SNR=9.8	70.28 336	P	P	02 39 32.9 -1.1
M22K	Willow comp=Z,144nm,1.1s	70.31 333	IAMB	IAMB	02 39 58.0
M22K	Willow baz=107	70.31 333	P	P	02 39 33.0 -1.1
WRH	Wood River Hil comp=Z,44um,20.0s	70.32 336	IAMs_20	IAMs_20	03 15 08.2
COLA	College baz=110	70.36 336	P	P	02 39 33.0 -1.4
COLA	College	70.36 336	P	P	02 39 33.4 -1.0
G25K	Bearman Lake baz=113	70.40 338	P	P	02 39 34.3 -0.3
MCK	McKinley baz=109,SNR=31	70.42 335	P	P	02 39 33.9 -1.0
HOM	Homer comp=Z,21um,19.0s	70.44 330	IAMs_20	IAMs_20	03 15 02.9
HOM	Homer baz=105	70.44 330	P	P	02 39 33.7 -1.3
KDAK	Kodiak Island comp=Z,54um,22.0s	70.45 328	IAMs_20	IAMs_20	03 11 40.1
KDAK	Kodiak Island baz=104	70.45 328	P	P	02 39 34.6 -0.5
KDAK	Kodiak Island comp=Z,162nm,1.6s	70.45 328	P	P	02 39 34.8 -0.3
KDAK			pmax	pmax	
KDAK			MLR	MLR	
KDAK	Kodiak Island comp=Z,70um,22.0s	70.45 328	LR	LR	03 13 20.1
KDAK	Kodiak Island comp=Z,25um,20.8s,baz=114,slow=38	70.51 331	P	P	02 39 34.8 -0.6
CAPN	Captain Cook N baz=106	70.52 332	P	P	02 39 35.0 -0.6
SUA	Susitna One baz=107	70.54 336	IAMs_20	IAMs_20	03 15 51.1
MDM	Murphy Dome comp=Z,49um,18.0s	70.55 329	IAMs_20	IAMs_20	03 11 41.7
SYI	Shuyak Island comp=Z,49um,22.0s	70.55 329	P	P	02 39 35.1 -0.6
Q20K	Shuyak Island baz=104	70.55 329	P	P	02 39 35.1 -0.6
F25K	Christina River baz=114,SNR=50	70.56 339	P	P	02 39 35.4 -0.8
CUT	Chullina comp=Z,182nm,1.0s	70.58 333	IAMB	IAMB	02 39 44.8
CUT			IAMs_20	IAMs_20	03 15 14.1
CUT	Chullina comp=Z,36um,20.0s	70.58 333	P	P	02 39 34.6 -1.2
H24K	Noodor Dome baz=111,SNR=47	70.72 337	P	P	02 39 35.9 -0.7
E25K	Arctic Village comp=Z,29um,19.0s	70.75 340	P	P	02 39 35.6 -0.3
E25K	Arctic Village baz=114,SNR=36	70.75 340	P	P	02 39 36.5 -0.3
NEA2	Nenana comp=Z,42um,18.0s	70.76 336	IAMs_20	IAMs_20	03 15 30.8
NEA2	Nenana baz=109,SNR=8.1	70.76 336	P	P	02 39 35.7 -1.2
BWN	Browne comp=Z,44um,18.0s	70.78 335	IAMs_20	IAMs_20	03 14 51.7
G24K	Hadweencic Riv comp=Z,54um,21.0s	70.88 338	IAMs_20	IAMs_20	03 13 52.3
G24K	Hadweencic Riv baz=110	70.88 338	P	P	02 39 37.1 -0.5
TRF	Thoroare Moun baz=108,SNR=22	70.90 334	P	P	02 39 36.8 -1.2
SKT	Skwentna baz=106,SNR=24	71.02 337	P	P	02 39 37.5 -1.0
SII	Sitkinak Island comp=Z,39um,22.0s	71.02 327	IAMs_20	IAMs_20	03 11 12.4
SII	Sitkinak Island baz=102	71.02 327	P	P	02 39 38.1 -0.5
O20K	Slope Mountain baz=104	71.03 331	P	P	02 39 37.7 -1.0
I23K	Minto, Yukon-K comp=Z,37um,19.0s	71.06 336	IAMs_20	IAMs_20	03 14 48.7
I23K	Minto, Yukon-K baz=109,SNR=39	71.06 336	P	P	02 39 38.0 -0.6
N20K	Mount Spurr baz=105	71.12 332	P	P	02 39 38.2 -1.0
SPCR	Spurr Chakacha baz=105	71.12 332	P	P	02 39 38.2 -1.0
P19K	Oil Pt comp=Z,23um,19.0s	71.22 330	IAMs_20	IAMs_20	03 16 18.4
P19K	Oil Pt baz=104	71.22 330	P	P	02 39 39.2 -0.6
ILSW	Iliamna Southw comp=Z,26um,18.0s	71.26 339	IAMB	IAMB	02 39 44.3
Q19K	Cape Douglas, comp=Z,203nm,1.2s	71.26 329	IAMs_20	IAMs_20	03 11 52.4
Q19K	Cape Douglas, baz=103	71.26 329	P	P	02 39 39.4 -0.6
O26K	Camden Bay baz=115,SNR=41	71.28 342	P	P	02 39 39.9 -0.1
CPA	Opana comp=Z,23um,18.0s	71.32 290	IAMs_20	IAMs_20	03 06 37.3
F24K	Squaw Lake comp=Z,40um,18.0s	71.33 339	IAMs_20	IAMs_20	03 16 41.1
F24K	Squaw Lake baz=111	71.33 339	P	P	02 39 39.8 -0.5
KIP	Kipapa comp=Z,289nm,1.5s	71.33 289	ceP	ceP	02 39 42.7 +1.5
KIP			pmax	pmax	
KIP			MLR	MLR	
H23K	Yukon River baz=109,SNR=18	71.36 337	P	P	02 39 39.7 -0.8
R18K	Karluk baz=102	71.38 328	P	P	02 39 40.3 -0.4
BPAW	Bear Paw Mtn. comp=Z,47um,19.0s	71.39 335	IAMs_20	IAMs_20	03 15 24.7
BPAW	Bear Paw Mtn. baz=107,SNR=23	71.39 335	P	P	02 39 39.5 -1.3

D25K	Kavik River comp=Z,52um,20.0s	71.50 341	IAMs_20	IAMs_20	03 15 46.6
D25K	Kavik River baz=113	71.50 341	P	P	02 39 40.7 -0.7
PPLA	Purkyville baz=106,SNR=21	71.57 333	P	P	02 39 40.8 -1.2
MLY	Manley comp=Z,38um,20.0s	71.58 336	IAMs_20	IAMs_20	03 16 15.4
MLY	Manley baz=108,SNR=32	71.58 336	P	P	02 39 40.9 -1.0
CAST	Castle Rocks baz=106,SNR=28	71.67 334	P	P	02 39 40.9 -1.5
CHIR	Chirikof Island comp=Z,31um,22.0s	71.67 326	IAMs_20	IAMs_20	03 12 14.6
CHIR	Chirikof Island baz=100	71.67 326	P	P	02 39 41.9 -0.6
M20K	Styx River comp=Z,11um,1.6s	71.72 332	P	P	02 39 41.5 -1.4
E24K	Your Creek comp=Z,47um,19.0s	71.74 339	IAMs_20	IAMs_20	03 16 44.2
E24K	Your Creek baz=111	71.74 339	P	P	02 39 42.7 -0.1
G23K	Bananza Creek baz=109	71.83 338	P	P	02 39 43.0 -0.3
SFNM	Sidi Ifni baz=103	71.83 62	P	P	02 39 47.0 +2.9
O19K	Port Alsworth baz=102	71.88 330	P	P	02 39 42.6 -1.1
Q18K	Katma Hardscr baz=103	71.89 329	P	P	02 39 42.9 -1.1
CHUM	Lake Minchum baz=106,SNR=15	71.89 334	P	P	02 39 42.1 -1.6
ASCN	Ascension comp=Z,6um,22.0s	71.96 102	IAMs_20	IAMs_20	03 08 07.3
COLD	Coldfoot baz=109,SNR=27	72.07 338	P	P	02 39 44.8 +0.1
H22K	Ishlaltina Cre baz=109,SNR=27	72.09 337	P	P	02 39 43.7 -1.2
N19K	Bonanza Creek comp=Z,45um,20.0s	72.10 331	IAMs_20	IAMs_20	03 15 28.6
N19K	Bonanza Creek baz=111	72.10 331	P	P	02 39 43.9 -1.3
I21K	Tanana comp=Z,45um,19.0s	72.12 336	IAMs_20	IAMs_20	03 16 21.4
I21K	Tanana baz=104,SNR=39	72.12 336	P	P	02 39 43.9 -1.2
E23K	Chandler baz=110	72.13 339	P	P	02 39 45.0 -0.3
P18K	Big Mountain, comp=Z,29um,21.0s	72.16 330	IAMs_20	IAMs_20	03 13 40.2
P18K	Big Mountain, baz=102	72.16 330	P	P	02 39 44.1 -1.3
SCO	Scoreesbyund SCO	72.18 18	iP	iP	02 39 44.0 -1.4
L20K	Farwell, AK baz=104	72.21 333	P	P	02 39 44.2 -1.5
O18K	Koktuh Hills comp=Z,24um,19.0s	72.24 330	IAMs_20	IAMs_20	03 16 49.4
O18K	Koktuh Hills baz=102,SNR=5.0	72.24 330	P	P	02 39 44.9 -1.1
D24K	Happy Valley comp=Z,45um,18.0s	72.25 340	IAMs_20	IAMs_20	03 16 48.5
D24K	Happy Valley baz=101,SNR=18	72.25 340	P	P	02 39 44.9 -0.9
Q17K	Contact Creek baz=101,SNR=18	72.27 328	P	P	02 39 45.3 -1.0
M19K	Big River Lodg comp=Z,42um,22.0s	72.31 332	IAMs_20	IAMs_20	03 14 24.7
M19K	Big River Lodg baz=103,SNR=11	72.31 332	P	P	02 39 45.1 -1.2
TOLK	Toolik Lake Re comp=Z,43um,18.0s	72.32 340	IAMs_20	IAMs_20	03 16 56.8
TOLK	Toolik Lake Re baz=110	72.32 340	P	P	02 39 45.5 -0.7
C24K	Franklin Bluff baz=111	72.41 341	P	P	02 39 46.1 -0.6
R17K	Ugashik Creek comp=Z,270nm,1.5s	72.41 328	IAMB	IAMB	02 39 49.6
R17K			IAMs_20	IAMs_20	03 12 53.7
R17K	Ugashik Creek comp=Z,40um,22.0s	72.41 328	P	P	02 39 46.7 -0.3
G22K	Bettles baz=108,SNR=16	72.45 338	P	P	02 39 46.7 -0.3
K20K	Telida baz=106,SNR=16	72.51 334	P	P	02 39 46.1 -1.3
L19K	White Mountain comp=Z,53um,22.0s	72.58 332	IAMs_20	IAMs_20	03 13 57.8
L19K	White Mountain baz=103	72.58 332	P	P	02 39 46.6 -1.4
H21K	Melozitna Riv comp=Z,44um,20.0s	72.59 336	IAMs_20	IAMs_20	03 14 31.7
H21K	Melozitna Riv baz=106	72.59 336	P	P	02 39 46.5 -1.4
PMAFR	Mafrá comp=Z,469nm,1.7s	72.66 52	eP	eP	02 39 49.0 +0.2
PMAFR	Mafrá	72.66 52	P	P	02 39 49.0 +0.2
PMAFR			S	S	02 49 14.8 +2.0
SVW2	Sparrevohr Kvichak Riv	72.68 331	P	P	02 39 48.0 -0.5
P17K		72.73 329	P	P	02 39 47.9 -0.9
Q16K	King Salmon baz=100	72.74 329	P	P	02 39 47.9 -1.0
N18K	Kilae Creek comp=Z,31um,20.0s	72.75 331	IAMs_20	IAMs_20	03 16 21.1
N18K	Kilae Creek baz=102	72.75 331	P	P	02 39 47.9 -1.0
J20K	Nowitna River baz=104	72.75 335	P	P	02 39 47.7 -1.1
LIS	Lisbon comp=Z,51um,22.1s	72.75 52	eP	eP	02 39 49.8 +0.4
LIS	Lisbon	72.75 52	eS	eS	02 49 15.0 +1.1
LIS			IAMs_20	IAMs_20	03 09 55.3
LIS	Lisbon comp=Z,51um,22.1s	72.75 52	eP	eP	02 39 49.8 +0.4
LIS	Lisbon	72.75 52	eS	eS	02 49 15.0 +1.1
D23K	Nanushuk River baz=109	72.81 340	P	P	02 39 48.9 -0.3
XMAS	Kiritimati comp=Z,34um,20.0s	72.84 269	IAMs_20	IAMs_20	03 03 34.2
XMAS	Kiritimati	72.84 269	P	P	02 39 59.8 +9.5
KEKH	Kekaha comp=Z,19um,19.0s	72.88 290	IAMs_20	IAMs_20	03 06 29.7
F22K	John River baz=102	72.88 338	P	P	02 39 49.4 -0.2

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like RTC Rabat Centre, ARNO Arenco, N15K Kwethluk River, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PAB San Pablo, JMI Jan Mayen, IOMK Kirk Michael, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like EDMO Edmundbyres, F14K Arctic Creek, JBK Swindon, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BHOU Houvegnez, BTNL Ternell, SKAR Skarslia, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HFS, GORTI Trebel, FABU Falkenberg, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BRG Berggiesshubel, BRG Berggiesshubel, BRG ARCES Array S, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Lohaghat, Bhuj, ChangSha, Chengdu, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Varanasi, Shilong, JORHAT, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like JACO, JACO, Garabito, etc.

Technical notes and coordinates: IDC 13 02:32:27.2, 1.1, 9.56N-84.26W, h0km, mb4.5/12, mbTpd,0.5/13, Error ellipse: s-maj=36.1km s-min=11.4km z=0.0

13d 2h

Table with columns for station name, frequency, power, and other technical details. Includes stations like CANAL Armenia, VMAR Potrero Grande, EDAD Goffito, etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like PBO2, SDCO, X18A, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like WRAB, WRA, WRA, etc.

NEIC 13 02:41:51.6:1.7:7.05:0.1x155:7E:0.1, h41km, 7km, mb4, 7/37, Error ellipse: s-maj=20.1km s-min=13.7km az=118.0

IDC 13 02:41:59.6:1.4:6.96S: 155:29E, h114km, 12km, mb4.0/17, mbmp4, 4/21, Error ellipse: s-maj=13.6km s-min=9.8km az=42.0

ISC 13 02:41:58.0:0.4:6.97S:0:07:155:28E:0:06, h100km, n80, r1920, mb4, 4/35, Bougainville-Solomon Islands

Table with columns for Code, Station Name, Az, E, Phase, D, Time, Res, h, m, s, ISC. Includes stations like RABL, KRVT, HNR, etc.

IDC 13 02:50:01.1:8.0:6.40S:146:77E, h87km, 74km, mb3.3/1, mbtp2:5/3, ML3.9/1, Error ellipse: s-maj=78.1km

ASF	comp=Z,3.6nm,0.3s,baz=61,slow=4.2,SNR=12	Lg	Lg	04 31 59.7
ASF	comp=Z,4.4nm,0.3s,baz=128,slow=20,SNR=1.2	Lg	Lg	04 31 59.7
ASF	comp=Z,3.6nm,0.4s			
KELT	7.73 256 P	Pn	Pn	04 29 57.1 +8.9
Jabal al Asfar	7.74 320 Pn	Pn	Pn	04 29 49.9 +1.5
BCA	7.77 336 eP	Pn	Pn	04 29 49.9 +1.3
KMRS	7.83 296 eP	Pn	Pn	04 29 48.8 -0.6
DARE	7.86 305 eP	Pn	Pn	04 29 49.3 -0.6
IMEH	8.03 109 Pn	Pn	Pn	04 29 52.7 +0.3
TAHT	8.06 287 P	Pn	Pn	04 29 52.0 -0.6
TKUT	8.12 326 eP	Pn	Pn	04 29 52.0 -1.4
GUDG	8.14 353 P	Pn	Pn	04 29 58.3 +4.5
GUDG		pmax	pmax	
ONI	comp=Z,35nm,1.0s			
ONI	8.40 348 eP	Pn	Pn	04 30 00.2 +3.0
ONI	8.40 348 Pn	Pn	Pn	04 29 58.5 +1.3
ONI	8.40 348 P	Pn	Pn	04 29 58.5 +1.3
KSHT	8.40 263 Pn	Pn	Pn	04 29 58.8 -0.5
NATI	8.41 265 P	Pn	Pn	04 30 05.8 +8.5
GEM	8.48 265 Pn	Pn	Pn	04 29 58.4 +0.1
SHM	8.50 262 P	Pn	Pn	04 30 07.2 +8.6
ZEI	8.52 351 eP	Pn	Pn	04 30 02.2 +3.1
ZEI		pmax	pmax	
SARI	comp=Z,26nm,0.7s			
CEYT	8.53 301 eP	Pn	Pn	04 29 58.8 -0.4
CEYT	8.55 291 eP	Pn	Pn	04 29 59.3 +0.1
KOZAN	8.62 294 eP	Pn	Pn	04 30 00.7 +0.4
IBAF	8.70 106 Pn	Pn	Pn	04 30 03.2 +1.6
MMAB	8.73 264 Pn	Pn	Pn	04 30 01.1 -0.7
MMAI	8.73 264 Pn	Pn	Pn	04 30 00.9 -0.8
MMAI	comp=Z,1.4nm,0.3s,baz=30,slow=18,SNR=2.5	Lg	Lg	04 32 28.2
QRNJ	comp=Z,5.7nm,0.3s,baz=76,slow=40,SNR=3.1			
Al-Qirein	8.75 259 P	Pn	Pn	04 30 09.6 +7.6
Wala	8.81 254 P	Pn	Pn	04 30 04.4 +8.1
Nathal Hemdat	8.91 311 eP	Pn	Pn	04 30 02.8 +0.1
SVSK	8.91 311 eP	Pn	Pn	04 30 00.5 -3.6
MRVT	8.99 66 ePn	Pn	Pn	04 30 07.5 +2.1
MRVT	8.99 66 Pn	Pn	Pn	04 30 07.6 +2.1
GHAJ	9.10 253 Pn	Pn	Pn	04 30 08.7 +1.9
Ghor Haditha	9.10 253 Pn	Pn	Pn	04 30 06.9 +0.1
BNN	9.13 302 Pn	Pn	Pn	04 30 01.2 +6.1
BNN	9.13 302 Pn	Pn	Pn	04 30 08.3 +1.0
DSI	9.15 255 Pn	Pn	Pn	04 30 07.4 -0.1
DSI	9.15 255 Pn	Pn	Pn	04 30 15.3 +7.8
OFRI	9.15 252 Pn	Pn	Pn	04 30 07.3 -0.4
TPFR	9.21 305 Pn	Pn	Pn	04 30 09.7 +1.3
SLTI	9.21 260 Pn	Pn	Pn	04 30 07.9 -0.5
NCK	9.26 350 eP	Pn	Pn	04 30 09.5 +0.5
NCK		pmax	pmax	
MSBI	comp=Z,72nm,1.1s			
Mazada	9.26 254 Pn	Pn	Pn	04 30 08.7 -0.3
Camardi-Nigde	9.31 294 eP	Pn	Pn	04 30 09.7 -0.1
SAKB	9.34 152 P	Pn	Pn	04 30 07.3 -2.8
SAKB		S	S	04 31 48.9 -6.1
YTIIR	9.43 254 Pn	Pn	Pn	04 30 12.0 +0.5
TABS	9.47 91 ePn	Pn	Pn	04 30 13.4 +1.5
KBZ	9.60 348 eP	Pn	Pn	04 30 12.0 -1.6
KBZ		pmax	pmax	
KBZ	comp=Z,29nm,1.2s			
Khabaz	9.60 348 Pn	Pn	Pn	04 30 17.6 +4.0
SHMA	comp=Z,10.0nm,0.9s,baz=91,slow=12,SNR=8.9			
Al-Shehemyia	9.62 151 P	Pn	Pn	04 30 13.8 -0.1
SHMA		S	S	04 31 56.2 -5.7
ZFRI	9.71 250 P	Pn	Pn	04 30 24.8 +1.0
YOZ	9.85 305 eP	Pn	Pn	04 30 15.3 -2.0
KIV	9.86 347 Pn	Pn	Pn	04 30 17.7 +0.5
KIV	9.86 347 eP	Pn	Pn	04 30 14.1 -3.1
SBZV	comp=Z,27nm,1.1s			
Sabzevar	9.89 75 Pn	Pn	Pn	04 30 20.1 +2.2
PRNI	9.93 249 Pn	Pn	Pn	04 30 18.7 +0.4
PRNI	9.93 249 P	Pn	Pn	04 30 27.9 +8.9
HRFI	10.05 247 Pn	Pn	Pn	04 30 19.8 -0.1
KVFI	10.05 247 Sn	Pn	Pn	04 32 13.6 +1.0
KVFI	10.19 314 Pn	Pn	Pn	04 30 28.5 +6.8
KVT		pmax	pmax	
KRMI	comp=Z,33nm,1.2s			
Paran Flat	10.25 249 Pn	Pn	Pn	04 30 23.0 +0.3
MBRI	10.26 247 Pn	Pn	Pn	04 30 23.3 +0.5
MBRI	10.26 247 P	Pn	Pn	04 30 30.8 +8.0
EIL	10.29 246 Pn	Pn	Pn	04 30 23.2 0.0
EIL	10.29 246 P	Pn	Pn	04 30 31.4 +8.2
EIL	10.29 246 Pn	Pn	Pn	04 30 23.2 0.0
EIL	comp=Z,3.1nm,0.3s,baz=96,slow=6.9,SNR=13	Lg	Lg	04 33 21.5
ISFR	comp=Z,2.1nm,0.3s,baz=315,slow=19,SNR=1.4			
Sfrayin	10.31 71 Pn	Pn	Pn	04 30 26.0 +2.3
Sochi	10.32 335 eP	Pn	Pn	04 30 21.2 -2.3
SOC		eSS	eSS	04 32 26.6 +7.6
SOC	comp=Z,24nm,0.9s			
SOC		MLR	MLR	
SMRA	comp=Z,1.1um,14.0s			
Abu-Samra	10.56 154 P	Pn	Pn	04 30 27.3 +0.4
SMRA		S	S	04 32 17.9 -7.3
GEYT	10.61 67 Pn	Pn	Pn	04 30 29.0 +1.5
GEYT	10.61 67 P	Pn	Pn	04 30 29.0 +1.5
GEYT	10.61 67 P	Pn	Pn	04 30 29.8 +2.2
GEYT	comp=Z,0.5nm,0.3s,baz=247,slow=15,SNR=6.2			
ALIBECK ARRAY	10.61 67 Pn	Pn	Pn	04 30 28.1 +0.6
TRNA	10.72 152 P	Pn	Pn	04 30 28.7 -0.3
TRNA		S	S	04 32 23.4 -5.5
IAKL	10.84 74 Pn	Pn	Pn	04 30 33.0 +2.1
GOF	10.87 350 eP	Pn	Pn	04 30 36.1 +5.1
EMANGHOLI	11.05 302 eP	Pn	Pn	04 30 33.2 +1.5
BRT1	11.05 302 eP	Pn	Pn	04 30 38.2 +4.6
BRT2	11.05 302 Pn	Pn	Pn	04 30 34.6 +1.0
BRT3	11.05 302 Pn	Pn	Pn	04 30 34.6 +1.0
BRT4	11.05 302 Pn	Pn	Pn	04 30 35.6 +2.0
AFRZ	comp=Z,5.0nm,0.8s,baz=113,slow=13,SNR=20			
Afriz	11.07 91 Pn	Pn	Pn	04 30 36.0 +2.1
JRN	11.24 145 P	Pn	Pn	04 30 36.3 +0.1
JRN		S	S	04 32 32.9 -8.9
IKRD	11.46 74 Pn	Pn	Pn	04 30 42.0 +2.6
ESRN	11.46 98 eP	Pn	Pn	04 30 39.9 +0.5
ANTO	11.70 302 P	Pn	Pn	04 30 48.5 +6.0
ANTO		pmax	pmax	
IMYA	comp=Z,29nm,1.2s			
Miami	11.88 76 Pn	Pn	Pn	04 30 47.7 +2.6
TBAM	12.02 82 Pn	Pn	Pn	04 30 48.9 +1.9
SHRT	12.09 89 ePn	Pn	Pn	04 30 50.2 +2.3
SHRT	12.09 89 Pn	Pn	Pn	04 30 49.6 +1.8
ANN	12.22 331 eP	Pn	Pn	04 30 44.8 -4.6
ANN		pmax	pmax	
SHME	comp=Z,60nm,1.4s			
Shamm	12.23 130 P	Pn	Pn	04 30 48.2 -1.4
SHME	Shamm	12.23 130 P	Pn	04 30 48.3 -1.3
SHME		SNR=15	SNR=15	
SHME	Umm Al-Quwin	12.31 133 P	Pn	04 32 56.6 -9.3
UMQ	12.31 133 P	Pn	Pn	04 30 59.2 +1.9
AJN	12.66 138 P	Pn	Pn	04 30 54.9 -0.6
AJN	SNR=9.3			
AJN	12.66 138 P	Pn	Pn	04 30 54.6 -1.0
NAZ	12.71 135 P	Pn	Pn	04 30 55.7 -0.6
NAZ	SNR=26			
NAZ	12.71 135 P	Pn	Pn	04 33 09.6 -8.2
NAZ	SNR=26			
NAZ	12.71 135 P	Pn	Pn	04 30 56.1 -0.2
MASF	12.72 331 eP	Pn	Pn	04 30 56.1 -0.4
MASF		S	S	04 33 06.4 -1.2
MSFE	12.73 132 P	Pn	Pn	04 30 54.9 -1.7
ISP	12.79 290 Pn	Pn	Pn	04 30 59.0 +1.6
ISP	12.79 290 P	Pn	Pn	04 30 59.0 +1.6
FAQ	12.86 136 P	Pn	Pn	04 30 57.4 -0.8
FAQ	SNR=5			
FAQ	12.86 136 P	Pn	Pn	04 30 57.8 -0.5
FAQ	SNR=8.5			
FAQ		S	S	04 33 13.7 -7.6
MDUB	13.06 302 Pn	Pn	Pn	04 31 01.4 +0.3
UOSS	13.07 133 P	Pn	Pn	04 30 59.1 -1.9
UOSS	13.07 133 P	Pn	Pn	04 30 59.1 -2.1
UOSS	SNR=14			
UOSS	13.07 133 P	Pn	Pn	04 30 59.3 -1.9
SHRT	13.11 134 P	Pn	Pn	04 31 00.2 -1.6

HATD	SNR=35	Hatta, Dubai	13.11 134 P	Pn	04 31 01.0 -0.8
HATD	SNR=36				
ASHO	13.18 134 P	S	S	04 33 16.9 -1.1	
ASHO	13.18 134 P	Pn	Pn	04 31 01.2 -1.5	
ASHO	13.18 134 P	Pn	Pn	04 31 01.3 -1.4	
ASHO	SNR=59				
ASHO	13.18 134 P	Pn	Pn	04 33 18.7 -1.0	
ASHO	13.18 134 P	Pn	Pn	04 31 02.3 -0.7	
ASHO	SNR=14				
MZR	13.20 147 P	S	S	04 33 20.8 -8.9	
JASK	SNR=8.8				
JASK	13.48 126 P	Pn	Pn	04 31 04.3 -2.5	
JASK	13.48 126 P	Pn	Pn	04 33 28.7 -7.8	
JASK	13.48 137 P	Pn	Pn	04 31 05.5 -1.4	
ALNE	13.48 137 P	Pn	Pn	04 31 05.9 -0.9	
ALNE	SNR=28				
ALNE	13.48 137 P	Pn	Pn	04 31 04.3 -2.5	
ALNE	SNR=28				
HRA	13.63 85 Pn	Pn	Pn	04 31 09.4 +0.4	
SOHO	13.87 135 P	Pn	Pn	04 31 10.1 -2.0	
SOHO	SNR=16				
SOHO	13.87 135 P	Pn	Pn	04 31 10.4 -1.8	
SOHO	SNR=16				
SOHO	13.87 135 P	Pn	Pn	04 33 35.8 -1.0	
SOHO	SNR=16				
ARQ	14.48 137 P	Pn	Pn	04 31 18.7 -1.8	
ARQ	SNR=22				
ARQ	14.48 137 P	Pn	Pn	04 33 52.4 -8.7	
ARQ	SNR=22				
HOQ	14.75 134 P	Pn	Pn	04 31 22.6 -1.8	
HOQ	SNR=22				
HOQ	14.75 134 P	Pn	Pn	04 31 22.6 -1.8	
HOQ	SNR=22				
ISK	14.79 302 P	Pn	Pn	04 31 31.7 +1.2	
ISK	SNR=22				
ISK	14.79 302 P	Pn	Pn	04 31 31.7 +1.2	
ISK	SNR=22				
BIDO	comp=Z,36nm,1.0s				
Bidbid	15.29 132 P	Pn	Pn	04 31 30.0 -1.5	
BID	SNR=2				
BSY	15.33 136 P	Pn	Pn	04 31 30.0 -1.9	
BSY	SNR=19				
EDC	15.41 298 P	Pn	Pn	04 34 11.9 -10	
EDC	SNR=2				
EDC	15.41 298 P	Pn	Pn	04 31 39.3 +1.8	
EDC	SNR=2				
SMDO	comp=Z,35nm,1.2s				
Samad	15.59 133 P	Pn	Pn	04 31 33.0 -2.4	
SMDO	SNR=21				
SMDO	15.59 133 P	Pn	Pn	04 34 18.9 -9.3	
SMDO	SNR=21				
WSAR	15.81 131 Pn	Pn	Pn	04 31 35.4 -2.8	
WSAR	comp=Z,5.9nm,0.3s,baz=345,slow=9.4,SNR=41				
WSAR	15.81 131 Pn	Pn	P		

MNK		iSS	SnSn	04 37 56.5	-2.7				
MNK		iSSS	SSS	04 38 09.8					
MNK		iLO	LO	04 39 23.7					
MNK		iLR	LR	04 41 02.9					
MNK		iLRM	MLR	04 41 50.6					
MNK	comp=N,1µm,21.9s	iLRM	MLR	04 42 14.5					
MNK	comp=E,569nm,18.7s	iLRM	MLR	04 42 33.2					
MNK	comp=Z,906nm,18.7s	iLRM	MLR	04 43 04.9	-2.1				
MNK	Minsk	iP		04 33 36.6					
MNK		iS	S	04 37 18.7	-2.9				
MNK		iSSS	SSS	04 38 09.8					
MNK	comp=N,17nm,1.0s								
MNK	comp=Z,21nm,0.7s								
MNK	comp=E,18nm,1.3s								
MNK	comp=N,1µm,22.0s								
MNK	comp=E,569nm,19.0s								
MNK	comp=Z,906nm,19.0s								
MORH	Mrgy, Hungar	23.70 308	↑P	P	04 33 07.5	+0.3			
MORH	Arti	23.74 18	P	IaMb	04 33 05.5	-2.0			
MORH	Arti				04 33 17.8				
ARU	Arti	23.74 18c	iP	P	04 33 07.0	-0.5			
ARU			S	SnSn	04 37 23.4	+1.1			
ARU			SS		04 38 03.9	+3.6			
ARU	comp=Z,45nm,0.8s								
AAK	Ala-Archa	23.87 61	P	P	04 33 08.1	-1.1			
AAK	Ala-Archa	23.87 61	P	P	04 33 08.1	-1.1			
AAK									
BUD	Budapest	23.93 311	P	P	04 33 09.8	+0.4			
BUD									
NIE	Niedzica	24.02 316	eP	P	04 33 12.2	+1.8			
NIE	Niedzica	24.02 316	P	P	04 33 12.2	+1.8			
NIE									
BTLS	Baital	24.12 55f	iP	P	04 33 12.1	+0.8			
BTLS	Baital	24.12 55c	iP	P	04 33 12.1	+0.8			
BTLS									
SGDS	Sogindy	24.13 59	eP	P	04 33 12.1	+0.6			
SGDS	Sogindy	24.13 59	eP	P	04 33 12.1	+0.6			
OTUK	Ortuy	24.16 47	P	P	04 33 11.1	-0.5			
MGRS	Mrkonjic Grad	24.20 303	eP	P	04 33 09.5	-2.6			
BLY	Banja Luka	24.22 304	eP	P	04 33 09.5	-2.7			
KIRV	Kirov	24.34 50e	eP	P	04 33 12.3	-0.8			
LANS	Liptovska Anna	24.38 315	eP	P	04 33 15.0	+1.4			
LANS	Liptovska Anna	24.38 315	eP	P	04 33 15.0	+1.4			
LANS									
NACGM	Naroch	24.41 333	eP	P	04 33 13.8	-0.1			
NACGM	Naroch								
VYHS	Vyhne	24.46 313	eP	P	04 33 14.9	+0.5			
VYHS	Vyhne	24.46 313	eP	P	04 33 14.9	+0.5			
VYHS									
A051A	Mirakovic	24.48 304	eP	P	04 33 14.6	-0.1			
SRO	Srobarova	24.50 312	eP	P	04 33 16.0	+1.3			
SRO	Srobarova	24.50 312	eP	P	04 33 16.0	+1.3			
SRO									
KSH	Kashi	24.63 69	P	P	04 33 14.4	-1.7			
KSH			sP	pP	04 33 20.1	+0.1			
KSH									
SVE	Sverdlovsk	24.64 20	eP	P	04 33 15.8	-0.1			
SVE									
OJC	Ojcow	24.70 318	eP	P	04 33 15.7	-0.8			
OJC	Ojcow	24.70 318	P	IaMb	04 33 16.6	+0.1			
OJC									
OJC	Ojcow	24.70 318	P	P	04 33 16.6	+0.1			
OJC									
TKM2	Tokmak 2	24.72 61	iP	P	04 33 17.7	+0.7			
TKM2									
BEL	Belsk	25.04 322	eP	P	04 33 18.9	-0.6			
BRZS	Berezni	25.14 43f	iP	P	04 33 21.0	+0.5			
BRZS	Berezni	25.14 43c	iP	P	04 33 21.0	+0.5			
BRZS									
ISAL	Salakas	25.17 333	eP	P	04 33 22.3	+1.7			
SUW	Suwalki	25.25 328	eP	P	04 33 21.0	-0.3			
SUW	Suwalki	25.25 328	eP	P	04 33 20.8	-0.6			
SUW	Suwalki	25.25 328	eP	P	04 33 21.6	+0.3			
SUW	Suwalki	25.25 328	eP	P	04 33 20.8	-0.6			
SUW									
JAVC	Velka Javorina	25.31 313	eP	P	04 33 23.6	+1.5			
KOGS	Kog	25.34 307	eP	P	04 33 23.0	+0.7			
MODS	Modra-Piesok	25.36 312	eP	P	04 33 24.2	+1.7			
MODS	Modra-Piesok	25.36 312	eP	P	04 33 24.2	+1.7			
MODS									
PTJ	Puntijarka	25.37 306	P	P	04 33 23.8	+1.1			
MAUC	Maruska	25.43 315	eP	P	04 33 24.3	+1.1			
OKC	Ostrava-Krasne	25.46 316	eP	P	04 33 24.0	+0.7			
OKC	Ostrava-Krasne	25.46 316	eP	P	04 33 24.0	+0.7			
VAE	Vaiguarnera	25.50 286	eP	P	04 33 23.2	-0.7			
VAE									
BRVK	Borovoye	25.54 36	P	IaMb	04 33 23.8	-0.3			
BRVK					04 33 31.0				
BRVK	Borovoye	25.54 36c	eP	P	04 33 24.8	+0.7			
BRVK									
SOP	Sopron	25.55 310	P	P	04 33 25.3	+1.1			
SOP									
RAFF	Raffo Rosso	25.56 285	P	P	04 33 24.5	+0.1			
BVAO	Borovoye Array	25.57 36	iP	P	04 33 24.4	0.0			
BVAO	Borovoye Array	25.57 36	iP	P	04 33 24.7	+0.3			
BVAO									
BVAO									
GOLS	Golisa	25.62 306	iP	P	04 33 25.6	+0.7			
CRES	Cresneyj	25.69 306	eP	P	04 33 26.0	+0.5			
RONA	Rosalia, Austr	25.72 310	iP	P	04 33 26.4	+0.5			
BOJS	Bojanci	25.74 305	eP	P	04 33 26.0	+0.1			
MORC	Moravsky Berou	25.78 315	iP	IaMb	04 33 26.8	+0.4			
MORC	Moravsky Berou	25.78 315	iP	IaMb	04 33 27.6	+0.6			
MORC	Moravsky Berou	25.78 315	eP	P	04 33 26.6	+0.3			
MORC	Moravsky Berou	25.78 315	eP	P	04 33 27.5	+0.6			
MORC									
MDOC	Medeo	25.81 61	eP	P	04 33 27.4	+0.6			
MDOC					04 33 28.1	+0.7			
MDOC									
CHKK	Chushkaly	25.89 59	eP	P	04 33 28.1	+0.7			
CHKK									
PABK	Paberze	25.93 331	eP	P	04 33 27.0	-0.7			
PABE	Paberze	25.95 331	eP	P	04 33 27.8	+0.1			
ARSA	Arzberg	25.96 309	iP	P	04 33 29.6	+0.9			
ARSA									
CONA	Conrad Observa	26.07 310	iP	P	04 33 29.2	+0.1			
CONA									
VRAC	Vranov	26.14 314	↑P	P	04 33 30.4	+0.8			
VRAC	Vranov	26.14 314	↑P	P	04 33 30.0	+0.4			
VRAC	Vranov	26.14 314	↑P	P	04 33 28.7	-0.9			
VRAC									
KRUC	Moravsky	26.16 313	eP	P	04 33 30.1	+0.3			
KRUC	Moravsky	26.16 313	eP	P	04 33 30.4	+0.6			
TARG	Taragay, Kyrgy	26.18 64	P	P	04 33 29.8	-0.7			
TARG	Taragay, Kyrgy	26.18 64	P	P	04 33 29.8	-0.7			
TARG									

SOKA	Soboth	26.21 307	iP	P	04 33 30.3	0.0			
KRLC	Kraliky	26.35 315	eP	P	04 33 31.7	+0.2			
KRLC	Kraliky	26.35 315	eP	P	04 33 31.7	+0.2			
CEY	Cernicka	26.36 305	eP	P	04 33 32.3	+0.7			
LJU	Ljubljana	26.37 306	P	P	04 33 33.1	+1.4			
LJU									
OBKA	Obir	26.48 307	iP	P	04 33 33.3	+0.5			
OBKA	Obir	26.48 307	eP	P	04 33 33.2	+0.5			
DPK	Dobruska-Polom	26.74 316	eP	P	04 33 35.4	+0.4			
DPK	Dobruska-Polom	26.74 316	eP	P	04 33 35.4	+0.4			
SATY	Saty	26.76 61	eP	P	04 33 36.4	+0.8			
SATY	Saty	26.76 61	eP	P	04 33 36.4	+0.8			
SATY									
OSTO	Ostas	26.89 316	eP	P	04 33 36.6	+0.3			
OSTO	Ostas	26.89 316	eP	P	04 33 36.6	+0.3			
KSP	Ksiaz	26.97 317	eP	P	04 33 37.3	+0.3			
KSP	Ksiaz	26.97 317	eP	P	04 33 37.5	+0.5			
UPJC	Ujpec	26.98 316	eP	P	04 33 37.6	+0.4			
UPJC	Ujpec	26.98 316	eP	P	04 33 37.6	+0.4			
CHVC	Chvalec	26.99 316	eP	P	04 33 37.2	+0.5			
CHVC	Chvalec	26.99 316	eP	P	04 33 37.8	+0.5			
KPKS	Kokpek	27.04 61	eP	P	04 33 38.0	+0.2			
KPKS	Kokpek	27.04 61	eP	P	04 33 38.0	+0.2			
KPKS									
MOX	Cesi	27.10 298	IaMb	IaMb	04 33 42.3				
MOX									
TDK	Taldyqorghan	27.11 57	eP	P	04 33 38.5	+0.1			
TDK	Taldyqorghan	27.11 57	eP	P	04 33 38.5	+0.1			
PBUR	Paburg	27.14 50	eP	P	04 33 39.5	+1.1			
VSU	Vasula	27.23 338	eP	P	04 33 39.3	0.0			
VSU	Vasula	27.23 338	eP	P	04 33 39.2	0.0			
VSU									
UZB	Uzymbulak	27.24 61	eP	P	04 33 39.6	-0.1			
UZB	Uzymbulak	27.24 61	eP	P	04 33 39.6	-0.1			
UZB									
PRGR	Permogore	27.28 360	eP	P	04 33 37.5	-2.1			
PRGR									
PUL	Pulkovo	27.35 343f	eP	P	04 33 42.3	+2.0			
PUL									
CKRC	Cesky Krumlov	27.35 311	eP	P	04 33 40.2	-0.3			
CKRC	Cesky Krumlov	27.35 311	eP	P	04 33 40.2	-0.3			
BIOA	Bad Ischl, Austr	27.42 309	eP	P	04 33 41.3	+0.2			
BIOA									
GPCO	Gop Pecný, Ondr	27.46 314	eP	P	04 33 41.9	+0.4			
GPCO	Gop Pecný, Ondr	27.46 314	eP	P	04 33 41.9	+0.4			
PRU	Pruhonice	27.64 314	eP	P	04 33 42.7	-0.3			
PRU	Pruhonice	27.							

13d 4h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like H31M Peel River, I27K Kandik River, POKR Poker Plat Res, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SKT Skwentna, HARP HAARP, M26K Nabesna, AK, N14K Kuskokwak Cree, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SII Sitkinak Islan, S31K Pelican, S34M Telegraph Cree, etc.

Technical information including coordinates (e.g., 13d 04:30:31.7, 1.6, 18N; 122.90E), station names (e.g., WRA Warramunga Arr), and operational details.

Additional technical information including coordinates (e.g., 13d 04:36:12.3, 1.1, 8.21N; 103.51W), station names (e.g., TXAR Lajitas Array), and operational details.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like HFS Hagfors, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like K20K Telida, J30M Hart River, CAST Castle Rocks, etc.

AZER 13 04:41:34.6:2.0, 34:24N:45:57E, h8km, Error ellipse: s-maj=12.6km s-min=8.7km az=0.0, IDC 13 04:41:41.7:1.5, 35:18N:45:72E, h0km, mb3.9/11, mbmp3.8/15, ML3.0,4, Error ellipse: s-maj=27.9km s-min=16.9km az=11.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like IDHR Dehrash, IGHG Ghaleghazi, ILIN Lien, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like SQTA Sankt Quirin, FETA Feichten, FINES FINESSE Array B, etc.

ARCES ARCESS Array B 37.03 348 P P 04 43 20.4 -1.2, ARCES ARCESS Array B 37.03 348 P P 04 43 20.4 -1.2, ARCES ARCESS Array B 37.03 348 P P 04 43 21.0 -0.6

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like IDHR Dehrash, IGHG Ghaleghazi, ILIN Lien, etc.

Table with columns: Code, Station Name, Az, El, Pn, P, Time, Res. Includes stations like IMRD Marand, GRMI Germi, JHBN Jahan bin, etc.

IDC 13 04:58:32.0 ± 1.0, 772N x 102.53W, h0km, mb3.3/4, mbtmp3.3/4, Error ellipse: s-maj=270.8km

Table with columns: Code, Station Name, Az, El, Pn, P, Time, Res. Includes stations like TXAR Lajitas Array, NVAR Mina Array Bea, PDAR Pinedale Array, etc.

IDC 13 05:04:20.6 ± 0.7, 34.45N x 45.72E, h0km, mb4.2/19, mbtmp4.1/31, ML3.9/9, Error ellipse: s-maj=14.7km

Table with columns: Code, Station Name, Az, El, Pn, P, Time, Res. Includes stations like IDHR Dehrash, IGHG Ghaleghazi, ILBA Ilam Banvizeh, etc.

IDC 13 05:04:23.7 ± 1.0, 34.51N x 45.73E, h0km, mb4.6/24, mbtmp4.1/31, ML3.9/9, Error ellipse: s-maj=14.7km

Table with columns: Code, Station Name, Az, El, Pn, P, Time, Res. Includes stations like IDHR Dehrash, IGHG Ghaleghazi, ILBA Ilam Banvizeh, etc.

Table with columns: ZNNG Zangian, IVRN Yaramin, IKLH Kolehrood, etc. Includes station codes and coordinates.

IDC 13 05:04:23.7 ± 1.0, 34.51N x 45.73E, h0km, mb4.6/24, mbtmp4.1/31, ML3.9/9, Error ellipse: s-maj=14.7km

Table with columns: Code, Station Name, Az, El, Pn, P, Time, Res. Includes stations like DARE Darendemalaty, MMAL Mount Zeron Ar, etc.

Table with columns: Code, Station Name, Az, El, Pn, P, Time, Res. Includes stations like KK31 Karatay Array, KKAR Karatay Array, etc.

Table with columns: BVAR, Borovoye Array, 24.67 35 P, P, 08 13 52.4 -1.3, comp=E, 1.3nm, 0.5s, baz=233, slow=8.7, SNR=5.6

JMA 13 08:12:57.5:0.6,22°N,3°12'E, h0km, MV3.7/14, TAIWAN REGION

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

Main table with columns: WARB, Ta-pu, 1.80 312 eP, eS, Sn, 08 13 56.5 +0.1

Main table with columns: ACOS, Acosta, 0.56 54 eP, eS, Pb, 08 15 04.9 -0.7

CATAC 13 08:17:29.4:0.3,9°38N-84°55W, h6km,2km, ML3.3, Hypocentre not reviewed by the ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RITA Parrita, JACO Garabito, SVQZ Quepos, etc.

TEH 13 08:24:17.6, 34.60N, 45.98E, h8km, 62km, ML2.6
ISN 13 08:24:19.0, 1.2, 34.61N, 46.00E, h25km, 26km, ML2.7
ISC 13 08:24:18.1, 1.0, 34.60N, 0.06, 46.04E, 0.06, h10km, n8,
#07210, Western Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDHR Dehrash, IGHH Ghaleghazi, ILBA Ilam Banvizeh, etc.

HSAM Samen 2.15 100 Pn Pb 08 24 57.1 -0.2
IDC 13 08:25:00.2, 0.6, 3.57S, 145.24E, h0km, mb4.4/16,
mbmp4.4/20, ML4.3/3, MS4.3/42, Error ellipse:
s-maj=20.2km s-min=10.9km az=91.0
BUJ 13 08:25:00.8, 0.0, 3.77S, 145.57E, h26km, mb4.8/56,
mb5.3/33, MS4.7/35, MS7.4/36
NEIC 13 08:25:01.7, 1.8, 3.51S, 0.07, 145.43E, 0.08, h16km, 2km,
mb5.0/34, Error ellipse: s-maj=13.5km s-min=8.8km
GCMT 13 08:25:04.7, 0.2, 3.34S, 0.01, 145.28E, 0.01, h12km,
MMW5.0/109, Moment Tensor Solution, s23 c29;
s109 c159; Duration: 0 Moment tensor: Scale 1016Nm;
Mn-0.02e-13; Mbb-0.24e-14; Mbb0.30e-14; Mbb-2.24e-14;
Mbb4.02e-08; Mer1.16e-32; Best double couple:
Ms4.67800x1016 NP1, 86.00000, 880.00000,
lambda-27.00000, NP2, 181.00000, 864.00000,
lambda-169.00000, Principal axes: T 4.1900, Plg11.0000,
AzM136.0000; N 0.9770, Plg62.0000, Azm247.0000; P
-5.1660, Plg26.0000; Azm41.0000; nsta1 refers to body
waves, cutoff=40s, nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function
DJA 13 08:25:06.9, 0.5, 4.54, 14.5E, h42km, 5km, M4.9/33,
mb5.4/16, mb4.9/33, ML4.9/33, Mw(mb)4.9/16
ISC 13 08:25:04.2, 0.4, 3.65S, 0.05, 145.21E, 0.06, h22km, n223,
#2771/204, mb4.9/60, MS4.4/53, 1C-4D, Near north coast
of New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MANU Manus Island, JAY Jayapura, GENI Genyem, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TGY Tagaytay City, BBOO Buckleboo, JCJ Chichijima, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NWA0 Narrogin (SRO), MJAR Matsuhiro Ar, KASI Kota Agung, etc.

13d 8h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ACON Acopyapa, ESPAN Las Encinas, MOMM Monotomol, and many others.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like NOA NORSAR Array B, ASAR Alice Springs, WRA Warramunga Arr, and many others.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KIV Kislovodsk, PRNI Paran, GEYT Alibek, and many others.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like MNK, ARU, AAK, LANS, BTLS, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like PKI, NC204, GUN, JIRN, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like E29M, E27K, BMAR, G19K, etc.

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BMRD	Maredous	33.78 311	eP	P	09 26 08.1 -1.5
SMF	Signal de Mont	33.80 304	eP	P	09 27 21.2 -1.2
LOR	Lormes	33.86 305	eP	P	09 26 10.3 -0.2
SSF	Saint Saulge	34.08 305	eP	P	09 26 11.6 -0.7
AVF	Avril sur Loir	34.15 304	eP	P	09 26 12.1 -0.9
OSL	Oslo	34.29 329	eP	P	09 26 14.2 +0.2
NOR62	NORSAR Array S	34.40 331	eP	P	09 26 14.4 +0.5
NOR65	NORESS Array B	34.40 331	eP	P	09 26 14.5 -0.4
KONO	Kongsberg	34.63 328	eP	P	09 26 16.6 -0.3
NB2	NORSAR Subarra	34.70 331	P	P	09 26 16.6 -1.0
NB2	NORSAR Subarra	34.70 331	P	P	09 26 16.6 -1.0
NB2	NORSAR Subarra	34.70 331	P	P	09 26 16.6 -1.0
NOA	comp=Z,6.7nm,20.2s,baz=55,slow=39				09 41 48.9
TCF	Toulx Ste Croi	34.89 303	eP	P	09 26 19.0 -0.4
RJF	Les Rejaudoux	35.32 302	eP	P	09 26 22.9 -0.2
SKAR	Skarslia	35.71 329	eP	P	09 26 26.7 +0.4
DOMB	Domas	36.12 331	eP	P	09 26 30.1 +0.4
KMBO	Kilima Mbogo	36.19 195	P	P	09 26 31.8 +0.7
NSS	Namsos	36.53 336	eP	P	09 26 33.3 +0.2
MFF	Saint Martin d	36.54 304	eP	P	09 26 32.3 -1.2
LDF	La Druittiere	36.67 307	eP	P	09 26 34.4 -0.2
MORR	Moi Rana	36.85 339	eP	P	09 26 35.5 -0.4
VAD0	Vadso	36.95 351	eP	P	09 26 35.9 -0.7
KTK1	Kautokseino	37.23 347	eP	P	09 26 36.4 -0.3
ARCES	ARCESS Array S	37.00 348	P	P	09 26 37.5 +0.4
ARCES	ARCESS Array B	37.00 348	P	P	09 26 36.2 -0.9
ARCES	ARCESS Array B	37.00 348	P	P	09 26 36.2 -0.9
ARCES	ARCESS Array B	37.00 348	P	P	09 26 36.9 -0.2
GRR	Gorron	37.14 307	eP	P	09 26 37.3 -1.3
KONS	Konsvik	37.46 339	eP	P	09 26 40.9 -0.1
FAUS	Fauske	37.48 341	eP	P	09 26 40.5 -0.6
STEL	Steigen	37.89 342	eP	P	09 26 44.3 -0.3
JETT	Jettan, Norway	37.96 346	eP	P	09 26 45.3 0.0
SGMF	Saint Gilles	38.26 306	eP	P	09 26 47.3 -0.7
HAMF	Hammerfest	38.27 348	eP	P	09 26 48.6 +0.7
TRO	Tromso	38.33 345	eP	P	09 26 48.3 0.0
LOF	Lofoten	38.48 341	eP	P	09 26 50.3 +0.7
QUIF	Quistinic	38.65 306	eP	P	09 26 49.9 -1.4
EKA	comp=Z,1.85nm,1.9s	39.53 317	P	P	09 26 58.1 -0.5
ESDC	Sonseca Array	39.68 293	P	P	09 27 00.5 +0.4
ESDC	comp=Z,3.3nm,0.9s,baz=67,slow=8.2,SNR=14				09 29 08.6 +2.0
PALK	Pallekele	41.94 122	LR		09 45 41.4
TOAD	Torodi Ar. Sit	45.12 253	P	P	09 27 44.0 -0.5
TORD	Torodi Ar. Bea	45.12 253	P	P	09 27 43.9 -0.7
TORD	Torodi Ar. Bea	45.12 253	P	P	09 27 45.4 +0.8
JMJC	Jan Mayen	46.46 339	LR		09 46 58.4
PZH	PanZhiHua	48.35 83	P	P	09 28 12.3 +2.3
CD2	Chengdu	48.37 77	P	P	09 28 09.3 -0.6
CMAR	Chiang Mai Arr	49.62 94	P	P	09 28 21.0 +1.4
CMAR	Chiang Mai Arr	49.62 94	P	P	09 28 20.9 +1.4
DAG	Danmarks Havn	51.05 345	iP	P	09 28 29.0 -0.6
HHC	Hu-ho-hao-te	51.42 62	eP	P	09 28 32.8 -0.2
XAN	Xi'an	51.42 71	iP	P	09 28 38.9 +5.8
NOR	Nord	52.29 351	iP	P	09 28 38.4 -0.4
XLT	XiLinHaoTe	53.85 57	eP	P	09 28 54.1 +3.1
XLT			sP	P	09 29 17.0 +1.3
XLT			sP	P	09 29 29.1 -2.7
XLT			sP	P	09 29 56.8 +0.4
DBIC	Dimbokri	54.14 251	P	P	09 28 53.2 -0.1
TIXI	Tiksi	55.64 22	P	P	09 29 03.0 -0.4
TIXI	Tiksi	55.64 22	ceP	P	09 29 04.5 +1.1
SUMG	Summit	55.91 339	P	P	09 29 06.0 +0.3
SUMG	Summit	55.91 339	P	P	09 29 06.1 +0.3
SUMG	Summit	55.91 339	iP	P	09 29 04.0 -1.8
ICESG	Greenland Ices	56.79 335	iP	P	09 29 12.1 0.0
NEEM	North Greenlan	58.24 345	iP	P	09 29 21.2 -0.8
TSUM	Tsumeb	59.64 211	LR		09 55 37.2
DY2G	Dye2	59.84 332	iP	P	09 29 32.9 -0.3
NJ2	Nanjing	59.91 70	eP	P	09 29 34.5 +0.6
NJ2			sP	P	09 29 43.6 -3.6
NJ2			sP	P	09 29 48.3 +4.8

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NJ2	comp=Z,9.0nm,0.6s				
NJ2	comp=Z,120nm,3.8s				
KLR	Kul'dur	62.45 48	P	P	09 29 51.0 0.0
KLR	Kul'dur	62.45 48	P	P	09 29 51.0 0.0
EUNU	Eureka	62.84 352	P	P	09 29 53.7 +0.6
KSR5	Korea Array	64.51 61	eP	P	09 30 04.9 +0.2
KSR5	Korea Array	64.51 61	P	P	09 30 04.5 -0.2
USRK	Ussuriysk Ar.	64.55 53	LR		10 02 33.2
BOSA	Boshof	65.57 200	P	P	09 30 13.7 +2.1
SEY	Seymchan	66.96 28	P	P	09 30 21.1 +1.0
FRB	Frobisher Bay	69.43 334	LR		10 02 40.1
YSS	Yuzh-Sakhalins	70.09 46	eP	LR	09 30 42.4 +2.5
SUR	Sutherland	70.41 202	LR		10 02 11.9
LEM	Lembang	71.23 112	LR		10 03 40.5
ASAJ	Asahikawa	71.39 49	LR		10 06 25.7
JGF	Kuroka	72.11 59	P	P	09 30 52.0 -0.4
A21K	Barrow	73.43 7	P	P	09 31 00.2 +0.7
A36M	Sachs Harbour	73.77 357	P	P	09 31 01.6 +0.1
SCHO	Schefferville	74.11 326	P	P	09 31 03.9 +0.1
B22K	Teshukuk Lake	74.69 7	P	P	09 31 07.3 +0.4
PETK	Petrovavlovsk	74.81 35	P	P	09 31 09.5 +1.6
C16K	Lisburne Hills	75.07 11	P	P	09 31 09.4 +0.3
C17K	DeLong Mountai	75.23 11	P	P	09 31 10.5 +0.3
B21K	Ikpikuk River	75.26 7	P	P	09 31 10.2 0.0
C18K	Utukok River	75.37 10	P	P	09 31 10.1 -0.9
C23K	Kilikil River	75.43 6	P	P	09 31 10.5 -0.7
C21K	Knifeblade Rid	75.69 7	P	P	09 31 12.1 -0.6
C24K	Franklin Bluff	75.69 5	P	P	09 31 12.2 -0.4
C26K	Camden Bay	75.74 4	P	P	09 31 12.7 -0.2
D20K	Etiyuk River	75.91 8	P	P	09 31 13.8 -0.2
D19K	Kuna River	75.93 9	P	P	09 31 13.6 -0.5
D22K	Aiyikyak River	76.17 7	P	P	09 31 15.3 -0.2
D24K	Happy Valley	76.24 5	P	P	09 31 15.7 -0.1
D25K	Kavik River	76.25 4	IAMB		09 31 19.3
D25K	Kavik River	76.25 4	P	P	09 31 15.6 -0.3
D23K	Nanushuk River	76.27 6	P	P	09 31 16.1 +0.1
C36M	Paulutuk	76.34 356	P	P	09 31 16.2 -0.2
C36M	Paulutuk	76.34 356	P	P	09 31 16.7 +0.3
E20K	Nigu River	76.39 8	P	P	09 31 16.9 +0.1
E21K	Kilikil River	76.46 7	P	P	09 31 17.9 +0.7
D28M	Stokes Point	76.58 2	P	P	09 31 18.7 +1.0
E18K	Tukpahleark C	76.59 10	P	P	09 31 18.1 +0.2
D27M	Malcolm River	76.60 2	IAMB		09 31 20.4
D27M	Malcolm River	76.60 2	P	P	09 31 18.1 +0.2
TOLK	Took Lake Re	76.68 6	P	P	09 31 18.7 +0.2
E17K	Hotham Inlet	76.72 11	P	P	09 31 19.5 +0.9
E22K	Anavuk Pass	76.98 7	P	P	09 31 20.6 +0.5
E19K	Redstone River	77.02 9	IAMB		09 31 22.4
E19K	Redstone River	77.02 9	P	P	09 31 20.8 +0.5
E23K	Chandler	77.25 6	P	P	09 31 22.4 +0.7
E28M	Babbage River	77.28 2	IAMB		09 31 30.0
E28M	Babbage River	77.28 2	P	P	09 31 22.0 +0.2
E24K	Your Creek	77.33 5	P	P	09 31 22.8 +0.8
F17K	Baldwin Pennin	77.40 11	P	P	09 31 23.0 +0.6
F14K	Arctic Creek	77.42 13	P	P	09 31 23.2 +0.7
E25K	Arctic Village	77.49 4	IAMB		09 31 25.2
E25K	Arctic Village	77.49 4	P	P	09 31 23.7 +0.8
F18K	Selawik	77.50 10	P	P	09 31 22.9 0.0
F15K	North Star Dit	77.51 12	P	P	09 31 23.2 +0.1
E29M	Blow River	77.54 1	IAMB		09 31 25.5
E29M	Blow River	77.54 1	P	P	09 31 22.5 -0.7
F19K	Shaleruckik Mo	77.54 9	P	P	09 31 23.4 +0.2
F22K	John River	77.55 7	P	P	09 31 23.2 -0.1
F20K	Avaraart Lake	77.60 8	P	P	09 31 23.6 +0.1
E27K	Coleen River	77.63 3	IAMB		09 31 26.1
E27K	Coleen River	77.63 3	P	P	09 31 24.3 +0.5
INK	Inuvik	77.66 360	P	P	09 31 24.6 +0.8
F21K	Alatina River	77.69 8	IAMB		09 31 27.6
F21K	Alatina River	77.69 8	P	P	09 31 24.5 +0.5
GAMB	Gambell	77.79 16	P	P	09 31 25.4 +0.9
F24K	Squaw Lake	77.92 5	P	P	09 31 24.9 -0.5
F26K	Sheenjek River	78.00 4	P	P	09 31 25.5 -0.3
F25K	Christian River	78.00 4	P	P	09 31 25.8 -0.1
COLD	Coldfoot	78.01 6	P	P	09 31 25.9 0.0
G22K	Bettles	78.19 7	P	P	09 31 26.6 -0.2
F28M	Old Crow	78.26 2	P	P	09 31 27.4 +0.2
G15K	Niukluk	78.27 12	P	P	09 31 27.5 +0.2
G19K	Purcell Mounta	78.28 9	IAMB		09 31 29.6
G19K	Purcell Mounta	78.28 9	P	P	09 31 27.3 -0.1
F30K	Tagagawik	78.30 10	P	P	09 31 27.4 -0.1
G18M	Barrier River	78.35 1	P	P	09 31 27.4 -0.2
G21K	Allakaket	78.37 8	IAMB		09 31 30.4
G21K	Allakaket	78.37 8	P	P	09 31 27.1 -0.8

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G17K	Kiwalik Mounta	78.37 11	P	P	09 31 27.1 -0.7
F31M	Tsighehtich	78.53 360	P	P	09 31 29.1 +0.5
F31M	Tsighehtich	78.53 360	P	P	09 31 28.4 -0.2
G23K	Bananza Creek	78.53 6	P	P	09 31 28.2 -0.6
HAL	Halifax	78.63 317	P	P	09 31 31.0 +1.4
HAL	Halifax	78.63 317	IAMB		09 31 31.7
HAL	Halifax	78.63 317	P	P	09 31 31.0 +1.4
G26K	Porcupine River	78.75 4	P	P	09 31 29.7 -0.2
G24K	Hadweenciz Riv	78.76 5	P	P	09 31 29.7 -0.2
G25K	Bearman Lake	78.79 5	P	P	09 31 29.7 -0.4
IMAR	Indian Mountai	78.85 8	P	P	09 31 31.8 +1.3
H16K	Elium	78.91 12	P	P	09 31 30.5 -0.3
H19K	Roundabout Mou	78.95 9	P	P	09 31 29.6 -1.4
G30M	IAoh Zraii Nji	78.98 1	IAMB		09 31 32.9
G30M	IAoh Zraii Nji	78.98 1	P	P	09 31 30.0 -1.2
G27K	Doyon Strip	79.00 3	IAMB		09 31 34.2
G27K	Doyon Strip	79.00 3	P	P	09 31 30.5 -0.9
H17K	Granite Mounta	79.01 11	P	P	09 31 30.9 -0.5
G29M	Pine Creek	79.02 2	IAMB		09 31 33.8
G29M	Pine Creek	79.02 2	P	P	09 31 30.2 -1.2

MCK	McKinley	81.55	7	P	P	09 31 44.7	-0.4
SCRK	Sand Creek	81.70	4	I	Amb	09 31 48.6	
SCRK	Sand Creek	81.70	4	P	P	09 31 45.4	-0.6
K24K	Donnelly Dome	81.75	5	P	P	09 31 45.8	-0.3
K27K	Chicken	81.76	3	I	Amb	09 31 48.6	
K27K	Chicken	81.76	3	P	P	09 31 45.8	-0.3
DAWY	Dawson	81.83	2	P	P	09 31 46.8	+0.2
DAWY	Dawson	81.83	2	P	P	09 31 45.3	-1.3
L14K	Kuka Creek	81.87	13	P	P	09 31 46.5	-0.2
L16K	Owhat River	82.11	12	P	P	09 31 47.0	-1.0
K29M	Barlow Dome	82.11	1	I	Amb	09 31 50.3	
K29M	Barlow Dome	82.11	1	P	P	09 31 47.3	-0.8
YKA	Yellowknife Ar	82.21	351	P	P	09 31 49.0	+0.5
L20K	Farewell, AK	82.22	9	P	P	09 31 48.3	-0.3
DHY	Denali Highway	82.34	6	P	P	09 31 49.1	-0.3
L19K	White Mountain	82.37	10	P	P	09 31 48.5	-0.9
MAYO	Mayo, Yukon	82.38	1	P	P	09 31 49.2	-0.2
WRGLV	Wrigley	82.38	355	P	P	09 31 48.5	-0.9
WAT1	Susitna Watana	82.47	7	P	P	09 31 49.6	-0.4
M14K	Bethel	82.55	13	P	P	09 31 50.1	-0.2
M13K	Dall Lake	82.59	14	P	P	09 31 49.7	-0.8
PAX	Paxson	82.60	5	P	P	09 31 50.1	-0.6
L26K	Log Cabin Wild	82.69	4	P	P	09 31 50.9	-0.1
M19K	Big River Lodg	82.70	9	P	P	09 31 50.9	-0.2
CUT	Chulitna	82.72	7	P	P	09 31 50.3	-0.8
BCAR	Beaver Creek A	82.73	3	P	P	09 31 52.7	+1.4
L27K	Beaver Creek,	82.73	3	P	P	09 31 50.6	-0.7
MENT	Mentasta	82.75	4	P	P	09 31 52.9	+1.5
MENT	Mentasta	82.75	4	I	Amb	09 32 00.3	
WAT6	Susitna Watana	82.79	6	P	P	09 31 51.2	-0.6
L29M	L29M	82.83	2	P	P	09 31 51.4	-0.4
M16K	Timber Creek	82.84	12	P	P	09 31 50.8	-1.1
M15K	Kasigluk River	82.84	13	P	P	09 31 50.7	-1.1
M20K	Styx River	82.89	9	P	P	09 31 53.4	+1.2
M20K	Styx River	82.89	9	P	P	09 31 51.1	-1.1
M18K	Stony River	82.89	10	P	P	09 31 51.1	-1.0
SKT	Skwentna	82.99	8	P	P	09 31 53.0	+0.3
SKT	Skwentna	82.99	8	P	P	09 31 51.6	-1.0
HARP	HARP	83.19	5	P	P	09 31 53.3	-0.4
M26K	Nabesna, AK	83.33	4	P	P	09 31 54.2	-0.2
N14K	Kuskokwak Cree	83.37	14	P	P	09 31 54.0	-0.6
M30M	Minto, Yukon	83.39	1	P	P	09 31 54.6	-0.1
M24K	Tolsona, Glenn	83.40	6	P	P	09 31 54.6	-0.2
M27K	Edge Creek, AK	83.43	4	P	P	09 31 55.0	-0.1
LBNH	Lisbon	83.47	320	P	P	09 31 54.7	-0.8
M29M	Somme Creek	83.48	2	P	P	09 31 54.6	-0.7
SML	Sawmill	83.50	7	P	P	09 31 55.6	+0.3
SML	Sawmill	83.50	7	P	P	09 31 55.1	-0.2
SCM	Sheep Creek Mo	83.57	6	P	P	09 31 57.4	+1.7
SCM	Sheep Creek Mo	83.57	6	P	P	09 31 54.9	-0.8
SCM	Sheep Creek Mo	83.57	6	P	P	09 31 57.4	+1.7
M23K	Glacier View	83.57	6	P	P	09 31 55.5	-0.1
N17K	Nushagak Hills	83.60	11	P	P	09 31 55.6	-0.2
PMR	Palmer	83.63	7	P	P	09 31 55.6	-0.3
N18K	Kilae Creek	83.66	11	P	P	09 31 56.2	+0.1
N19K	Bonanza Creek	83.73	10	P	P	09 31 58.4	+1.8
N19K	Bonanza Creek	83.73	10	P	P	09 31 56.2	-0.4
FARO	Faro, Yukon	83.76	360	P	P	09 31 57.9	+1.3
FARO	Faro	83.76	360	P	P	09 31 59.0	
FARO	Faro, Yukon	83.76	360	P	P	09 31 56.3	-0.3
KNK	Knik Glacier	83.88	7	P	P	09 31 57.4	+0.2
SPIA	Saint Paul Isl	83.88	19	P	P	09 31 57.8	+0.6
N25K	Chitina, Valde	84.01	5	P	P	09 31 57.8	-0.2
KLU	Klutina	84.02	6	P	P	09 31 59.8	+1.8
KLU	Klutina	84.02	6	P	P	09 31 59.2	+1.1
RC01	Rabbit Creek A	84.06	8	P	P	09 31 59.4	+1.2
RC01	Rabbit Creek A	84.06	8	P	P	09 31 57.6	-0.6
O14K	Tiguykaiuivt M	84.07	14	P	P	09 31 59.5	+1.3
YUK3	Moose Creek	84.08	3	P	P	09 31 59.9	+1.4
CAPN	Captain Cook N	84.21	8	P	P	09 32 00.4	+1.6
O17K	Koliganek Bris	84.33	11	P	P	09 32 00.6	+1.1
N31M	Braeburn, Yuko	84.50	1	P	P	09 32 00.9	+0.5
N30M	Aishkikik Lake	84.50	1	P	P	09 32 01.7	+1.2
YUK4	Talbot Arm	84.58	2	P	P	09 32 01.6	+0.6
LONY	Lake Ozonia	84.59	322	P	P	09 32 02.1	+1.0
LONY	Lake Ozonia	84.59	322	P	P	09 32 02.1	+1.0
YUK8	Steele Glacier	84.60	3	P	P	09 32 00.8	-0.4
CTG	Chitna Glacier	84.85	3	P	P	09 32 03.3	+1.0
CRQE	Cirque	84.96	4	P	P	09 32 01.9	-1.0
P17K	Kvichak River	84.99	11	P	P	09 32 02.5	-0.2
LOGN	Logan Glacier	85.01	3	P	P	09 32 04.4	+1.3
SEW	Seward	85.06	8	P	P	09 32 03.4	+0.3
L61B	Northampton	85.09	319	P	P	09 32 03.1	-0.5
O28M	Mount Upton	85.10	3	P	P	09 32 02.8	-1.0
HYT	Haines Junctio	85.13	2	I	Amb	09 32 06.8	
HYT	Haines Junctio	85.13	2	P	P	09 32 04.3	+0.6
O30N	Mendenhall	85.21	1	P	P	09 32 03.8	-0.2
WHY	Whitehorse	85.33	0	P	P	09 32 05.3	+0.6
FLDN	Fort Liard	85.34	355	P	P	09 32 05.2	+0.6
P23K	Montague Islan	85.37	7	P	P	09 32 03.6	-1.1

KOTAN	Kotaneleele Air	85.50	355	P	P	09 32 04.7	-0.7
BGLC	Bering Glacier	85.58	5	P	P	09 32 05.9	+0.2
O29M	Mount Kennedy	85.63	2	P	P	09 32 03.6	-2.6
P33M	Pinnacle	85.77	3	P	P	09 32 07.1	+0.3
P13M	Teslin, Yukon	85.78	359	P	P	09 32 05.1	-1.8
BATI	Baumata	85.85	105	LR	LR	10 16 01.7	
P30M	Million Dollar	85.85	1	P	P	09 32 06.5	-0.7
Q20K	Shuyak Island	86.15	9	P	P	09 32 06.6	-2.0
PNL	Peninsula	86.23	3	P	P	09 32 06.8	-2.2
R33M	Jennings River	86.57	358	P	I	09 32 11.5	+0.6
R33M	Jennings River	86.57	358	P	I	09 33 17.2	
R33M	Jennings River	86.57	358	P	P	09 32 09.0	-1.9
KDKA	Kodiak Island	86.92	10	P	P	09 32 13.9	+1.5
KDKA	Kodiak Island	86.92	10	P	P	09 32 11.9	-0.6
KDKA	Kodiak Island	86.92	10	P	P	09 32 13.9	+1.5
Q32M	Nakina River	87.03	359	P	P	09 32 15.0	+1.8
Q32M	Nakina River	87.03	359	P	P	09 32 12.7	-0.5
DLBC	Dease Lake	87.50	358	P	P	09 32 16.0	+0.6
DLBC	Dease Lake	87.50	358	P	P	09 32 17.4	+2.0
ERPA	Erie	89.13	323	P	P	09 32 23.0	-0.2
NEW	Newport	96.35	349	P	P	09 32 53.9	-2.6
WRA	Warramunga Arr	99.82	107	P	P	09 33 12.3	-0.2

MOS 13 09:20:31.4, 0.4, 94.90N; 149.38E, h70km, mb4.9/31, Error ellipse: s-maj=6.6km s-min=5.3km az=81.7
 SKHL 13 09:20:31.2, 0.3, 44.80N; 149.50E, h70km, mb5.5/12
 BUJ 13 09:20:32.6, 0.0, 44.93N; 149.53E, h101km, mb4.8/52, m85.0/28
 JMA 13 09:20:32.2, 0.9, 45.13N; 149.91E, h30km, MD4.6/18, MV4.9/18, SE OFF ETOROFU
 NIED 13 09:20:32.2, 44.96N; 149.30E, h30km, MW4.6, Moment Tensor Solution. s3 Moment tensor: Mo=8.83000x10¹⁵ Np1; Mo=7.7; Mo=2.63; Mo=3.14; Mo=1.92; Mo=3.42; Mo=6.13; Fault plane solution: Mo=8.83000x10¹⁵ Np1; Mo=7.5, 0.0000; Mo=2.63, 0.0000; Mo=3.14, 0.0000; Mo=1.92, 0.0000; Mo=3.42, 0.0000; Mo=6.13, 0.0000; NP2: Mo=60.00000;
 IDC 13 09:20:33.2, 1.7, 44.99N; 149.21E, h68km, mb4.1/36, mbtmp4.4/6, MS3.6/29 Error ellipse: s-maj=12.7km s-min=8.1km az=154.0
 NEIC 13 09:20:35.2, 1.4, 44.99N; 0.09; 149.2E; 0.1, h88km, mb4.8/331, Error ellipse: s-maj=15.4km s-min=9.0km az=145.0
 ISC 13 09:20:32.7, 0.4, 44.85N; 0.04; 149.37E; 0.04, h71km, mb4.8/226, 10C-5D, Kuril Islands

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
KUR	Kuril'sk	1.13	290	iP	Pn	09 20 51.8	-1.0
KUR	1µm,0.5s			AMB	AMB	09 20 53.2	
KUR	3µm,0.5s			AMB	AMB	09 20 53.2	
KUR	12µm,0.6s			iS	Sn	09 21 06.5	-1.4
KUR	24µm,0.6s			A	A	09 21 08.8	
KUR	Kuril'sk	1.13	290	ePN	Pn	09 20 51.9	-0.9
KUR	comp-Z,3µm,0.5s			iS	Sn	09 21 06.0	-1.9
KUR	comp-N,1µm,0.4s			pmax	pmax		
KUR	comp-N,12µm,0.6s			smax	smax		
KUR	comp-E,24µm,0.6s			smax	smax		
SHO	Shikotan	2.06	243	iP	Pn	09 21 04.0	-1.2
SHO	comp-E,210nm,0.3s			AMB	AMB	09 21 07.2	
SHO	comp-E,170nm,0.3s			AMB	AMB	09 21 07.2	
SHO	comp-E,270nm,0.3s			iS	Sn	09 21 27.4	-2.6
SHO	comp-E,2µm,0.4s			A	A	09 21 31.3	
SHO	Shikotan	2.06	243	ePN	Pn	09 21 04.2	-1.0
SHO	comp-N,209nm,0.3s			eS	Sn	09 21 27.4	-2.6
SHO	comp-E,174nm,0.3s			pmax	pmax		
SHO	comp-Z,270nm,0.3s			pmax	pmax		
SHO	comp-E,3µm,0.4s			smax	smax		
SHO	comp-N,2µm,0.5s			smax	smax		
YUK	Yuzh-Kuril'sk	2.64	253	iP	Pn	09 21 13.4	+0.5
YUK	comp-N,270nm,0.2s			AMB	AMB	09 21 14.4	
YUK	comp-N,200nm,0.2s			AMB	AMB	09 21 14.4	
YUK	comp-N,850nm,0.2s			AMB	AMB	09 21 14.4	
YUK	comp-N,5µm,0.5s			eS	Sn	09 21 43.8	-0.1
YUK	comp-N,8µm,0.5s			A	A	09 21 49.6	
YUK	Yuzh-Kuril'sk	2.64	253	ePN	Pn	09 21 13.5	+0.5
YUK	comp-Z,850nm,0.2s			eS	Sn	09 21 45.2	+1.3
YUK	comp-N,269nm,0.1s			pmax	pmax		
YUK	comp-E,201nm,0.2s			pmax	pmax		
YUK	comp-N,5µm,0.5s			smax	smax		
YUK	comp-E,8µm,0.5s			smax	smax		
NEM2	Nemuro 2	3.00	242	eP	Pn	09 21 16.9	-0.9
NEM2	Nemuro 2	3.00	242	eS	Sn	09 21 50.2	-2.5
JRA	Rausu	3.17	255	eP	Pn	09 21 21.4	+1.2
JNSB	Nemuroshibetsu	3.31	253	A	A	09 21 20.9	
comp-E,5.0nm,2.8s,comp-N,5.0nm,1.5s							
JNK	Nakash	3.57	251	eP	Pn	09 21 26.4	+0.7
JNK	Nakash	3.57	251	eS	Sn	09 22 06.2	-0.5
JAK	Akkeshi	3.85	243	A	A	09 21 28.7	
JTKR	Abashiri-Toko	4.01	259	eP	Pn	09 21 32.6	+1.0
JAR	Ashorobuto	4.32	251	eP	Pn	09 21 37.1	+1.3
JAR	Ashorobuto	4.32	251	eS	Sn	09 22 25.0	+0.1
JOB	Onbets	4.45	246	eP	Pn	09 21 38.3	+0.7
JOB	Onbets	4.45	246	eS	Sn	09 22 26.0	-2.0
JKK2	Kamakawa 2	4.84	261	eP	Pn	09 21 44.8	+1.7
JCH	Churui	4.89	245	eP	Pn	09 21 43.5	-0.2
JCH	Churui	4.89	245	eS	Sn	09 22 35.9	-3.0
JCH	Churui	4.89	245	A	A	09 21 43.5	-0.2
JKA	Kamikawa-asahi	4.90	264	Pn	Pn	09 21 45.6	+1.9
JKA	Kamikawa-asahi						

MJAR	Matsushiro Arr	11.85 229	P	Pn	09 23 17.3	-1.4
MJAR	comp=N,2.9nm,0.8s,baz=27,slow=13,SNR=7.3					
MJAR	S			Sn	09 25 32.3	+3.3
MJAR	comp=N,1.4nm,0.6s,baz=48,slow=29,SNR=0.9			LR	09 28 14.2	
USA0B	Ussuriysk Arra	12.42 273	i PN	Pn	09 23 26.1	-0.3
USRK	Ussuriysk Ar.	12.42 273	P	Pn	09 23 27.2	+0.8
USRK	Ussuriysk Ar.	12.42 273	PN	Pn	09 23 27.2	+0.8
USRK	Ussuriysk Ar.	12.42 273	P	Pn	09 23 26.1	-0.3
USRK	comp=N,7.7nm,0.7s,baz=84,slow=13,SNR=7.6			LR	09 28 15.8	
KLR	Kul'dur	12.78 296	i P	Pn	09 23 31.0	-0.3
KLR	comp=N,20nm,0.8s			AMB	09 23 40.0	
KLR	Kul'dur	12.78 296	i PN	Pn	09 23 31.0	-0.3
KLR	comp=Z,19nm,1.1s			pmax		
KLR	Kul'dur	12.78 296	P	Pn	09 23 31.1	-0.2
KLR	comp=Z,14nm,1.2s,baz=101,slow=15,SNR=13			LR	09 28 43.0	
JHU	comp=Z,264nm,19.0s,baz=126,slow=39			LR	09 29 56.5	
Hachiojima 2	13.87 216	LR		LR		
MDJ	Mudanjiang	14.06 276	P	Pn	09 23 48.9	+0.6
MDJ	comp=N,1.4nm,0.6s,baz=45,slow=39			Sn	09 26 21.3	-1.4
MDJ	comp=N,1.4nm,0.6s,baz=45,slow=39			PcP	09 26 20.9	-2.3
MDJ	comp=N,1.4nm,0.6s,baz=45,slow=39			PcS	09 26 20.9	-2.3
MDJ	comp=N,1.4nm,0.6s,baz=45,slow=39			ScS	09 26 05.4	-2.1
MDJ	comp=Z,6.0nm,1.3s			pmax		
MDJ	comp=Z,150nm,5.4s			pmax		
MA2	Magadan	14.77 3	Pn	Pn	09 23 58.1	+0.7
MA2	Magadan	14.77 3	P	Pn	09 23 58.2	+0.7
MA2	Magadan	14.77 3	P	Pn	09 23 55.9	-1.6
BNX	BinXian	15.48 281	i P	P	09 24 08.3	-1.3
BNX	comp=Z,19nm,0.8s			pmax		
BNX	comp=Z,210nm,4.6s			pmax		
HEH	HeiHe	15.75 298	eP	Pn	09 24 11.3	+1.3
HEH	comp=Z,16nm,1.1s			pmax		
HEH	comp=Z,320nm,5.5s			pmax		
HEH	comp=Z,180nm,8.5s			LR		
HEH	comp=Z,280nm,10.3s			LR		
HEH	comp=Z,390nm,9.4s			LR		
BMKR	Bomnak	16.46 314	eP	Pn	09 24 17.0	-1.9
ZEA	Zeya	16.89 310	eP	Pn	09 24 22.1	-2.1
ZEA	comp=Z,10.0nm,0.8s			AMB	09 24 30.0	
ZEA	Zeya	16.89 310	eP	P	09 24 25.7	+0.6
ZEA	comp=Z,10.0nm,1.5s			pmax		
KSRs	Korea Array	17.73 253	eP	Pn	09 24 35.8	+1.2
KSRs	comp=Z,1.0nm,0.3s			pmax		
KSRs	Korea Array	17.73 253	P	P	09 24 33.5	-1.1
KSRs	comp=Z,8.8nm,0.7s,baz=58,slow=11,SNR=18			LR	09 31 16.8	
SHEM	Shemys Is, Ala	18.04 55	e	Pn	09 24 39.9	+1.7
SHEM	comp=Z,73nm,0.9s,baz=294,slow=11,SNR=4.1			LR	09 31 48.4	
SHEM	comp=Z,29nm,20.0s,baz=271,slow=37			LR		
SMY	Shemys	18.04 55	P	Pn	09 24 39.5	+1.3
SMY	Shemys	18.04 55	P	Pn	09 24 39.5	+1.3
SEY	Seymchan	18.20 4	i P	Pn	09 24 36.4	-3.1
SEY	comp=Z,7.0nm,1.1s			pmax		
SEY	Seymchan	18.20 4	P	Pn	09 24 38.4	-1.1
JNY	comp=Z,4.0nm,0.3s,baz=74,slow=6,SNR=7.5			P	09 24 43.4	+0.4
JNU	Nakatsue	18.49 237	P	P	09 24 43.0	-0.1
JNU	Nakatsue	18.49 237	P	P	09 24 43.0	-0.1
JNU	comp=Z,9.8nm,1.0s,baz=137,slow=4.6,SNR=5.8			LR	09 32 30.8	
YAK	Yakutsk	20.67 333	eP	Pn	09 25 11.0	+1.6
YAK	comp=Z,55nm,18.3s,baz=14,slow=36			S	09 25 25.2	-4.7
YAK	comp=Z,55nm,18.3s,baz=14,slow=36			eS	09 28 49.4	-3.7
YAK	comp=Z,55nm,18.3s,baz=14,slow=36			e	09 29 17.4	
YAK	comp=Z,55nm,18.3s,baz=14,slow=36			eSS	09 29 22.4	+5.3
YAK	comp=Z,69nm,1.0s			pmax		
YAK	comp=N,31nm,1.0s			pmax		
YAK	comp=E,14nm,1.1s			pmax		
YAK	comp=E,72nm,1.9s			smax		
YAK	comp=N,420nm,4.0s			smax		
XLT	XiLinHaoTe	23.72 280	eP	P	09 25 37.6	-0.6
XLT	comp=Z,1.0nm,0.3s			pP	09 26 01.3	-1.6
XLT	comp=Z,1.0nm,0.3s			sP	09 26 09.4	+1.5
XLT	comp=Z,1.0nm,0.3s			Pn	09 26 13.8	+4.7
XLT	comp=N,9.0nm,0.6s			pmax		
XLT	comp=N,140nm,4.7s			pmax		
JOW	Kumigami	24.69 230	LR	LR	09 35 41.1	
JOW	comp=N,81nm,20.8s,baz=116,slow=37			LR		
BILL	Bilibino	24.87 15	i P	P	09 25 49.6	+1.4
BILL	Bilibino	24.87 15	i P	P	09 25 49.6	+1.4
ATKA	Atka Island	25.02 60	P	P	09 25 49.4	-0.3
NJ2	Nanjing	26.93 252	eP	Pn	09 26 06.6	-0.5
NJ2	comp=N,7.0nm,0.6s			pP	09 26 27.4	+3.5
NJ2	comp=N,7.0nm,0.6s			sP	09 26 38.3	+6.0
NJ2	comp=N,7.0nm,0.6s			pmax		
NJ2	comp=N,260nm,5.2s			pmax		
HNS	HongShan	26.99 266	i P	P	09 26 10.4	+2.7
HNS	comp=N,25nm,1.1s			pmax		
SPIA	Saint Paul Isl	27.80 49	P	P	09 26 15.4	+0.6
HHC	Hu-ho-hao-te	27.83 275	eP	P	09 26 16.0	+0.7
HHC	comp=N,33nm,0.8s			pmax		
HHC	comp=N,160nm,5.0s			LR		
HHC	comp=N,450nm,16.2s			LR		
HHC	comp=N,480nm,17.0s			LR		
NIKH	Nikolski High	28.29 58	P	P	09 26 20.1	+0.9
TIKI	Tiksi	28.63 347	i P	P	09 26 22.4	+0.5
TIKI	Tiksi	28.63 347	i P	P	09 26 22.4	+0.5
H1N2	WAKE ISLAND Hy	28.98 144	T	T	09 57 14.2	
H1N1	WAKE ISLAND Hy	28.99 144	T	T	09 57 21.0	
H1N1	WAKE ISLAND Hy	28.99 144	T	T	09 57 17.4	
BTO	Baotou	29.01 276	eP	P	09 26 25.6	-0.2
BTO	comp=N,19nm,0.6s			pP	09 26 48.4	-2.6
BTO	comp=N,19nm,0.6s			sP	09 26 59.3	-1.7
BTO	comp=N,19nm,0.6s			iP	09 27 21.8	+0.8
BTO	comp=N,19nm,0.6s			S	09 31 11.3	-0.6
BTO	comp=N,19nm,0.6s			SS	09 32 42.3	+0.7
BTO	comp=N,19nm,0.6s			pmax		
BTO	comp=N,110nm,5.7s			pmax		
BTO	comp=N,350nm,5.7s			LR		
BTO	comp=N,280nm,11.0s			LR		
ULN	Ulaanbaatar	29.09 291	P	P	09 26 26.2	-0.3
ULN	Ulaanbaatar	29.09 291	P	P	09 26 26.2	-0.3
ULN	Ulaanbaatar	29.09 291	P	P	09 26 26.2	-0.3
ULN	comp=Z,3.0nm,0.6s			pmax		

SOMM	Songino Array	29.53 291	P	P	09 26 29.9	-0.4
SOMM	Songino Array	29.53 291	P	P	09 26 29.9	-0.4
SOMM	comp=Z,2.0nm,0.6s			pmax		
SOMM	Songino Array	29.53 291	P	P	09 26 30.0	-0.4
SOMM	comp=Z,1.8nm,0.6s,baz=81,slow=7.8,SNR=11			LR	09 39 25.7	
UNV	Ulaanbaatar Valle	29.69 56	P	P	09 26 32.5	+1.0
H1S1	WAKE ISLAND Hy	29.99 146	T	T	09 58 39.6	
H1S3	WAKE ISLAND Hy	30.00 146	T	T	09 58 39.9	
H1S2	WAKE ISLAND Hy	30.01 146	T	T	09 58 40.9	
K13K	Kusilvak Mount	31.45 41	P	P	09 26 47.2	+0.3
F14K	Arctic Creek	31.66 34	P	P	09 26 49.6	+0.8
M13K	Dall Lake	31.82 44	P	P	09 26 50.5	+0.3
J14K	Nanvaranlak	32.12 39	P	Iamb	09 26 52.5	-0.2
J14K	Nanvaranlak	32.12 39	P	Iamb	09 26 54.1	
L14K	Kuka Creek	32.28 42	P	P	09 26 54.5	+0.4
L14K	comp=Z,16nm,0.8s			Iamb	09 26 56.4	
L14K	Kuka Creek	32.28 42	P	P	09 26 54.2	+0.1
F15K	North Star Dit	32.40 34	P	P	09 26 55.4	+0.2
G15K	Niukluk	32.44 35	P	P	09 26 55.7	+0.1
M14K	Bethel	32.55 43	P	P	09 26 57.5	+0.9
M14K	Bethel	32.55 43	P	P	09 26 56.7	+0.2
N14K	Kuskokwak Cree	32.60 45	P	P	09 26 57.3	+0.3
XAN	Xi'an	32.74 265	i P	P	09 26 58.6	0.0
XAN	comp=Z,15nm,1.2s			pmax		
O14K	Tigulkuivet M	32.76 46	P	P	09 26 59.2	+0.8
L15K	Ungalak Mounta	32.89 42	P	P	09 26 59.7	+0.1
K15K	Wolf Creek Mou	32.96 40	P	P	09 27 00.3	+0.1
C16K	Lisburne Hills	33.00 29	P	P	09 27 00.4	0.0
H16K	Eliim	33.10 36	P	P	09 27 01.5	+0.2
M15K	Kasigluk River	33.16 44	P	P	09 27 01.6	-0.3
G16K	Koyuk River	33.23 35	P	P	09 27 02.4	0.0
N15K	Kwethluk River	33.41 45	P	Iamb	09 27 04.5	+0.4
N15K	comp=Z,23nm,1.1s			Iamb	09 27 07.2	
N15K	Kwethluk River	33.41 45	P	P	09 27 04.6	+0.4
O15K	Unalakleet R	33.49 46	P	P	09 27 05.2	+0.4
J16K	Anvik River	33.54 39	P	P	09 27 05.5	+0.3
I17K	Unalakleet	33.60 38	P	P	09 27 05.9	+0.2
C17K	DeLong Mountai	33.82 29	P	P	09 27 08.3	+0.7
L16K	Owhat River	33.85 42	P	Iamb	09 27 08.0	+0.1
L16K	comp=Z,16nm,0.8s			Iamb	09 27 09.5	
L16K	Owhat River	33.85 42	P	P	09 27 08.1	+0.1
E17K	Holtham Inlet	33.88 32	P	P	09 27 08.0	-0.1
F17K	Baldwin Pennin	33.93 33	P	P	09 27 09.1	+0.6
F17K	Baldwin Pennin	33.93 33	P	P	09 27 08.4	-0.1
G17K	Kwik Mouna	33.95 35	P	P	09 27 08.8	+0.1
M16K	Timber Creek	34.03 43	P	P	09 27 09.9	+0.4
M16K	Timber Creek	34.03 43	P	P	09 27 10.0	+0.5
N16K	Nisik Lake	34.09 44	P	P	09 27 10.9	+0.8
H17K	Granite Mounta	34.13 36	P	P	09 27 10.5	+0.1
O16K	Kokwok River B	34.39 46	P	P	09 27 13.5	+0.9
E18K	Tukpahleark C	34.43 32	P	P	09 27 12.5	-0.4
P16K	Nushagak River	34.43 47	P	P	09 27 13.0	0.0
L17K	Donlin	34.45 41	P	P	09 27 13.5	+0.5
K17K	Iditarod	34.50 40	P	P	09 27 13.6	+0.1
C18K	Utukok River	34.57 29	P	P	09 27 13.8	-0.3
M17K	Holitna River	34.80 42	P	P	09 27 16.7	+0.6
H18K	Kokwok River	34.82 36	P	P	09 27 16.4	+0.1
H18K	Honhosa River	34.82 36	P	P	09 27 16.6	+0.3
G18K	Tagagawik	34.84 35	P	P	09 27 16.8	+0.4
N17K	Nushagak Hills	34.88 44	P	Iamb	09 27 17.3	+0.6
N17K	comp=Z,18nm,1.0s			Iamb	09 27 18.9	
O17K	Nushagak Hills	34.88 44	P	P	09 27 17.4	+0.6
N17K	Koilaganek Bris	34.90 45	P	P	09 27 17.8	+0.8
Q16K	King Salmon	35.13 47	P	P	09 27 19.2	+0.3
L18K	Granite Mounta	35.20 41	P	P	09 27 19.7	+0.1
P17K	Kvichak River	35.23 46	P	P	09 27 20.2	+0.3
C19K	Lookout Ridge	35.26 29	P	P	09 27 20.0	-0.1
J18K	Innok River	35.29 39	Iamb	Iamb	09 27 22.0	
J18K	Innok River	35.30 39	P	P	09 27 20.4	0.0
LZH	Lanzhou	35.33 272	eP	P	09 27 22.1	+1.0
LZH	comp=Z,56nm,1.1s			sP	09 27 42.8	-3.8
F19K	Shalercruk M	35.37 33	Iamb	Iamb	09 27 22.0	
F19K	Shalercruk M	35.37 33	P	P	09 27 20.3	-0.6
GCSA	Galena City Sc	35.38 37	P	P	09 27 20.8	-0.2
G19K	Purcell Mounta	35.51 34	P	Iamb	09 27 22.2	0.0
G19K	comp=Z,13nm,0.8s			Iamb	09 27 23.8	
G19K	Purcell Mounta	35.51 34	P	P	09 27 22.2	0.0
N18K	Kilae Creek					

Table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like CMB Columbia Colle, FINES FINESS Array B, YERR Yerrington, etc.

Table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like GSC Goldstone, MPU Maple Canyon, FMP For Data Center, etc.

Table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like OGNE Ogallala, SDCO Great Sand Dun, ECSD EROS Data Cent, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like P46A Rosedale, DAVOX Davos/Dischmat, BRDY Brady, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like EOSE2 EOSE2, EOSE3 EOSE3, JYNG Yonagunijimaku, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TWT baz=244, TDCB Tech, CHGB Renai, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MSAV Nonsavu, STKA Stephens Creek, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IRIF Iriomote-Funau, FUSS Fushou, WHF Hehuan Shan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TDCB Tech, CHGB Renai, WARB Fenglin Townsh, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include IKJM Ikemajima, JM2 Miyako jima3, MASBT Mashibuluo, MASBT baz=219, TSCCK Chigu Township, TSCCK baz=235, LYUB Lan-yu, WVUC WYUC, PHUB Peng-hu.

ISN 13 09:41:53.6; 0.3, 34.14N, 45.66E, h18km, 80km, ML2.5
TEH 13 09:41:54.4; 34.14N, 45.66E, h18km, 80km, ML2.8
ISC 13 09:41:54.7; 1.0, 34.400N, 0.04, 45.53E, 0.04, h10km, n11,
c=071/15, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include IDHR Dehrash, IHGH Ghaleghazi, ILBA Ilam Banvizeh, KCHF Cheshme Sefid, ILIN Lien, IBDR Badra, IBDR AML, IBDR AML, IKRK Kiruk, IKRK AML, IKRK AML, BHD Baghdad, BHD AML, IKOM Komasi, IBZA Bozab, IKFM Katar-mosalman.

IDC 13 09:42:00.5; 2.0, 35.93N, 69.96E, h93km, 18km, mb4.0/23,
mbmp4.3/27, MS3.3/1, Error ellipse: s-maj=12.7km
s-min=9.8km az=30.0

MOS 13 09:42:01.5; 0.9, 36.14N, 69.99E, h109km, mb4.6/18, Error
ellipse: s-maj=6.8km s-min=3.2km az=75.8
NEIC 13 09:42:03.6; 2.3, 36.15N, 0.03, 69.94E, 0.09, h121km, 6km,
mb4.5/37, Error ellipse: s-maj=10.4km s-min=4.6km
az=87.0

NNC 13 09:42:03.5; 2.3, 36.33N, 69.72E, h106km, 25km, mb4.3,
mpv4.9, Error ellipse: s-maj=21.2km s-min=10.9km
az=150.0
ISC 13 09:42:01.6; 0.5, 36.03N, 0.04, 69.96E, 0.04, h105km, 4km,
h104km, pP-P, n254, c=197/285, mb4.5/53, 22C-17D, Hindu
Kush region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include KBL Kabul, KBL Kabul, NNL Nilore, NNL Nilore, BTK Batken, BTK Batken, OHU Osh, JMU Jammu, TRKS Terek-Say, TRKS AML, ARSB Arslanbob, ARSB Arslanbob, KSH Kashi, KSH AML, KSH AML, THN Thein Dam, THN AML, IUG Iuzhnay, IUG Chikment, CHM Chikment, DHRM DHARAMSHALA, DHRM AML, DHRM AML, ARLS Aral, ARLS AML, AML Almayashu, AML Almayashu, AML Almayashu, AML Almayashu, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Karagaybulak, FRU1 Bishkek, FRU1 Bishkek, CHMS Chumysh, CHMS Chumysh, CHMS Chumysh, CHMS Ulhal, BOOM Boomsokoye usch, BOOM Boomsokoye usch, USP Ospenovka, TMK2 Tokmak 2, TMK2 Tokmak 2, TMK2 Tokmak 2, TMK2 Tokmak 2, SGDS Sogindny.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include SGDS Sogindny, TARG Taragay, TARG Taragay, TNSSS Tian-Shan, TNSSS Alina-Shan, AAA Alpa-Ata, MDOCK Medeo, MDOCK Medeo, PRZT Przhveval'sk, KHET Khetri, CHKK Chushkaly, CHKK Chushkaly, BTLS Baital, BTLS Baital, NDI New Delhi, NDI SATY, SATY SATY, SATY SATY, KUDL Kunduz, ZHN Zhinshike, ZHN Zhinshike, GEYT Alybek, GEYT Alybek, GEYT Alybek, GYA0 ALIBECK ARRAY, GYA0 ALIBECK ARRAY, GYA0B ALIBECK ARRAY, GYA0B ALIBECK ARRAY, UZB Uzunbulak, UZB Uzunbulak, KPKS Kokpez, KPKS Kokpez, ARXS Arshady, SHLS Shalkode, SHLS Shalkode, AJM Ajmer, PDGG Podgornoye, PDGG Podgornoye, PTH Pitthagorah, OTUK Ortau, OTUK Ortau, PYUN Pyunhan, DANN Dangsing, MAK2 Makanchi, MAK2 Makanchi, MAK2 Makanchi, BRZS Berezinski, BRZS Berezinski, MK31 Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, KOLN Koldanda, BHPL Bhopal, GKN Gorkha, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, ABKAR Akbulak array, ABKAR Akbulak array, ABKAR Akbulak array, ABKAR Akbulak array, KKK Kurchatov Arra, KURBB Kurchatov Arra, KURBB Kurchatov Arra, ZSN Zaisan, ZSN Zaisan, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, JIRN Jiri, SEM Semipalatinsk, SEM Semipalatinsk, AKTO Aktyubinsk, AKTO Aktyubinsk, AKTO Aktyubinsk, AKTO Aktyubinsk, RAMM Rarhat, BVA0 Borovoye Array, BVA0 Borovoye Array, BVA0 Borovoye Array, BVA0 Borovoye Array, BRVK Borovoye, BRVK Borovoye, BRVK Borovoye, TAPN Tapuz, ODAN Odare, DGZ Jazzator, DGZ Jazzator, GOMU GeErMu, GOMU GeErMu, GOMU GeErMu, GOMU GeErMu.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include GNI Garni, GNI Garni, GNI Garni, ZAAO Zalesovo Array, ZAAO Zalesovo Array, ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZEI Tsey, SHL Shilling, SHL Shilling, SHL Shilling, SHL Shilling, ONI Oni, ONI Oni, ONI Oni, ONI Oni, SVE Sverdlovsk, SVE Sverdlovsk, ARU Arti, ARU Arti, ARU Arti, KKBZ Khabaz, KKBZ Khabaz, KKBZ Khabaz, KKBZ Khabaz, KIBZ Kibz, KIBZ Kibz, KIBZ Kibz, KIBZ Kibz, KIV Kiv, KIV Kiv, BELG Belgomonye, BELG Belgomonye, GTA Gaotai, GTA Gaotai, GTA Gaotai, KIRV Kirov, PZH PanZhiHua, PZH PanZhiHua, BRTR Keskin Array, BRTR Keskin Array, BRTR Keskin Array, SONM Songino Array, SONM Songino Array, OBN Obninsk, OBN Obninsk, OBN Obninsk, PRGR Permogore, PRGR Permogore, PRGR Permogore, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, KLMM Klimovskoe, KLMM Klimovskoe, KLMM Klimovskoe, AKASG Malin Array Be, AKASG Malin Array Be, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, MNK Minsk, MNK Minsk, MNK Minsk, MNK Minsk, MNK Minsk, MNK Minsk, MNK Minsk, MNL Muntele Rosu, MNL Muntele Rosu, BUR08 Bucovina Ar, BUR08 Bucovina Ar, KAAM Kaadhehdoo, KAAM Kaadhehdoo, XLT XiLinHaoTe, XLT XiLinHaoTe, XLT XiLinHaoTe, XLT XiLinHaoTe, XLT XiLinHaoTe, VADS Vadso, VADS Vadso, ARAO ARCES Array B, ARAO ARCES Array B, ARAO ARCES Array B, GERS GERS Array B, GERS GERS Array B, KTK1 Kautokaino, KTK1 Kautokaino, HAMF Hangerfest, HAMF Hangerfest, GERES GERES Array B, GERES GERES Array B, JETT Jettan, JETT Jettan, HFS Hagfors, HFS Hagfors, TRO Tromso.

Table with columns: MOR#, Station Name, Frequency, Band, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like MOI Rana, FAUS, STEI, etc.

Table with columns: LIRZ, Station Name, Frequency, Band, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Lichensteins R, RAGZ, MRAK, etc.

Table with columns: SMAR, Station Name, Frequency, Band, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Somma, Somma, UGLR, etc.

KRSC 13 09:46:08.8-1.5,54.25N;168.63E, h40km,24km, M15.0
MOS 13 09:46:09.6-0.8,54.31N;168.75E, h36km, mB4.5,9, Error
ellipse: s-maj=8.1km s-min=5.7km az=23.5

IDC 13 09:46:09.2-0.7,54.71N;168.59E, h0km, mB4.1/22,
mbtmp4.1/24, ML3.8/2, MS3.3/9, Error ellipse:
s-maj=19.9km s-min=13.1km az=169.0,
ME13 09:46:13.5-1.8,54.2N;0.1;168.7E:0.1, h37km,9km,
mB4.3/36, Error ellipse: s-maj=22.8km s-min=2.7km
az=203.0

ISC 13 09:46:12.0-0.5,54.41N;0.06;168.61E:0.04, h24km, n169,
mB3.1/61, mB4.3/41, MS3.5/8, 3C-1D, Komandorsky
Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like BKI, Bering, Bering, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like BKI, Bering, Bering, etc.

13d 10h

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res, ISC. Includes stations like SONGMO Songo Array, ZALV Zalesovo Beam, SPITS Spitsbergen Ar, etc.

NIED 13 09:49:25.0, 38.04N, 144.15E, h45km, MW3.4, Moment Tensor Solution... s3 Moment tensor: Scale 10^14Nm; Mv: 1.30; Mw: 0.34; Mw: 1.65; Mw: 0.51; Mw: 0.34; Mw: 0.05; Fault plane solution: Ms: 1.62000x10^14 NP1: 0.211.00000, 852.00000, -59.00000. NP2: 0.347.00000, 847.00000, -123.00000.

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res, ISC. Includes stations like JMA 13 09:49:25.0, 38.04N, 144.15E, h45km, MW4.1/30, FAR E OFF NORTH HONSHU, Off east coast of Honshu.

2017 NOV

Main table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res, ISC. Includes stations like SNET 13 10:01:25.4, 1.0, 13.00N, 88.72W, h57km, ML4.9, CATAK 13 10:01:25.4, 0.3, 12.96N, 88.72W, h35km, 4km, ML4.9, etc.

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Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res, ISC. Includes stations like MTO3 Montecristo, MTO3 Asuncion Mita, JUAM Juam, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes call signs like TEIG, CMIG, and various community groups.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes call signs like SGCY, ALPN, JSC, and various community groups.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes call signs like MCWV, T25A, OS3A, and various community groups.

13d 10h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station ID, Time, Residual, Azimuth Rate Error, Elevation Rate Error. Includes stations like DGMT Dagmar, HLID Halley, GO01 Chusmiza, etc.

2017 NOV

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station ID, Time, Residual, Azimuth Rate Error, Elevation Rate Error. Includes stations like K27K Chicken, EGAK Tedella, L26K Log Cabin Wild, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station ID, Time, Residual, Azimuth Rate Error, Elevation Rate Error. Includes stations like E23K Chandalar, PPT Papeete, K20K Kaitake, etc.

IDC 13 10:07:33.0±2.3, 20.205±178.51W, h590km±28km, mb2/6.4, mbtmp3/5.5, Error ellipse: s-maj=41.9km, s-min=27.7km az=160.0, Fijii Islands region

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

IDC 13 10:09:21.9±99.0, 48.43N±48.28E, h0km, Error ellipse: s-maj=395.0km s-min=141.4km az=68.0, Western Kazakhstan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, Azimuth Rate Error, Elevation Rate Error. Includes stations like I31KZ AKTYUBINSK INF, I46RU ZALESOV INFRA23.7, I34MN SONGINO INFRA38.0, etc.

Table with columns: KEV, Kevo, 37.36 349, P, P, 10 51 05.0 -1.1, MBAR, Mbarara, 37.37 206, LR, LR, 11 07 04.6, ARCES, ARCES Array B, 37.41 348, P, I, 10 51 04.9 -1.7, etc.

Table with columns: A36M, Sachs Harbour, 74.14 357, P, P, 10 55 30.3 +0.5, PETK, Petropavlovsk, 74.88 36, LR, LR, 11 31 14.6, C18K, Utukok River, 75.65 10, P, P, 10 55 39.0 +0.3, etc.

Table with columns: SHLS, Shalkode, 2.44 230, Pg, Pn, 10 53 44.4 -0.4, SHLS, Shalkode, 2.44 230, Pg, Lg, 10 54 13.4, SHLS, Shalkode, 2.44 230, ePg, Lg, 10 54 44.4 -0.4, etc.

AZER 13 11:08:21.0, 4.5, 33.44N, 47.10E, h4km, Error ellipse: s-maj=56.9km s-min=39.2km az=107.0, IDC 13 11:08:23.9, 5.8, 34.32N, 45.79E, h0km, mb3.9/9, mbmp4.0/9, MS2.9/6, Error ellipse: s-maj=119.7km

TEH 13 11:08:22.4, 34.45N, 45.82E, h8km, 43km, ML3.7, ISC 13 11:08:26.8, 0.8, 34.44N, 0.04, 45.83E, 0.06, h10km, n42, 182/39, mb4.1/8, Iran-Iraq border region

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC, Res, IDH, Dehrah, 0.53 60, Pg, Pg, 11 08 36.6 -0.6, IGH, Galeghazi, 0.62 100, Pg, Pg, 11 08 39.1 +0.1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Gomez Farias, Monterrey, Liano Grande, etc.

TEH 13 11:26:39.3, 33.88N-47.60E, h6km, 56km, ML3.6
NEIC 13 11:26:39.5, 33.838N-47.477E, 0.1, h10km, 2km, mb4.2/7, Error ellipse: s-maj=29.8km s-min=13.7km az=216.0

IDC 13 11:26:43.4, 6.6, 33.98N-47.43E, h33km, 49km, mb3.6/11, mbmp3.8/13, ML3.9/2, MS2.9/4, Error ellipse: s-maj=32.7km s-min=17.4km az=2.0

ISC 13 11:26:39.5, 0.6, 33.86N-0.04, 47.57E, 0.04, h10km, n50, e1551/53, mb3.9/16, Western Iran

Main table for 13d 11h section containing station data and event listings with columns for Code, Station Name, Az, Az', Phase ID, Time, Res.

TEH 13 11:39:34.8, 34.01N-47.91E, h9km, 42km, ML3.7
IDC 13 11:39:39.0, 9.3, 33.91N-47.49E, h0km, mb3.9/14, mbmp4.0/16, ML4.0/2, MS2.7/3, Error ellipse: s-maj=21.2km s-min=16.4km az=164.0

NEIC 13 11:39:42.1, 1.5, 34.2N-0.1, 47.4E, 0.1, h10km, 1km, mb4.4/15, Error ellipse: s-maj=22.7km s-min=16.1km az=207.0

ISC 13 11:39:39.3, 0.6, 34.00N-0.07, 47.86E, 0.05, h10km, n58, e23/43, mb4.2/22, Western Iran

Table for 13d 11h section containing station data and event listings with columns for Code, Station Name, Az, Az', Phase ID, Time, Res.

Main table for 2017 NOV section containing station data and event listings with columns for Code, Station Name, Az, Az', Phase ID, Time, Res.

CATAC 13 11:41:44.7, 1.0, 10.30N-86.26W, h15km, 4km, ML3.7, Hypocentre not reviewed by the ISC

UCR 13 11:41:44.7, 1.0, 10.32N-86.30W, h15km, 10km, MW4.3
IDC 13 11:41:47.7, 3.6, 12.03N-84.83W, h0km, mb3.4/4, mbmp3.4/4, Error ellipse: s-maj=17.4km s-min=6.9km az=48.0

ISC 13 11:41:44.2, 1.0, 10.22N-0.07, 86.25W, 0.06, h10km, n31, e122/34, mb3.5/4, Off coast of Costa Rica

Main table for 2017 NOV section containing station data and event listings with columns for Code, Station Name, Az, Az', Phase ID, Time, Res.

Table for 914 section containing station data and event listings with columns for Code, Station Name, Az, Az', Phase ID, Time, Res.

SOME 13 11:42:32.7, 43.77N-82.30E, h10km, NNC 13 11:42:33.6, 2.8, 43.80N-82.31E, h22km, 9km, mb3.6, mp3.0, Error ellipse: s-maj=21.0km s-min=17.9km az=168.0, Northern Xinjiang

Main table for 914 section containing station data and event listings with columns for Code, Station Name, Az, Az', Phase ID, Time, Res.

IDC 13 11:51:30.9, 19.0, 36.91S-96.11W, h0km, mb3.7/3, mbmp3.7/3, Error ellipse: s-maj=61.1km s-min=319.5km az=126.0, West Chile Rise

Table for 914 section containing station data and event listings with columns for Code, Station Name, Az, Az', Phase ID, Time, Res.

KRSC 13 11:52:39.6, 1.2, 49.47N-156.88E, h16km, 20km, MI3.7, Kuril Islands

Main table for 914 section containing station data and event listings with columns for Code, Station Name, Az, Az', Phase ID, Time, Res.

IDC 13 11:53:53.2, 5.0, 36.36S-97.16W, h0km, mb4.6/14, mbmp4.6/14, MS4.5/20, Error ellipse: s-maj=23.5km s-min=13.9km az=89.0

GCMT 13 11:53:55.0, 4.2, 36.47S-0.02, 97.02W, 0.1, h12km, MW5.0/113, Moment Tensor Solution. s60, c76; s113, c70; Duration: 0 Moment tensor: Scale 10^16Nm; Mn-1.5t; 09; M90.49t; 09; M90.36t; 08; M90.06t; 32; M90-1.30t; 07; M90-1.50t; 26; Best double couple: M90.40100x10^16 NP1, 0.346, 0.00000; 0.55, 0.00000; 0.83, 0.00000; NP2, 0.155, 0.00000; 0.36, 0.00000; 0.79, 0.00000; Principal axes: T 4.3670, P1g10.0000; Azm71.0000; N 0.0660, Pzms.0000; Azm162.0000; P 4.4350, P1g79.0000; Azm281.0000; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function.

NEIC 13 11:53:55.4, 1.4, 36.3S-0.1, 97.1W, 0.2, h10km, 1km, mb5.0/128, Error ellipse: s-maj=25.5km s-min=18.1km az=278.0

ISC 13 11:53:54.9, 0.4, 36.37S-0.08, 97.05W, 0.08, h10km, n292, e1900/275, mb5.0/68, MS4/20, 6D, West Chile Rise

Table for 914 section containing station data and event listings with columns for Code, Station Name, Az, Az', Phase ID, Time, Res.

13d 12h

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Frequency, Power, Bandwidth, Modulation, etc. Includes stations like RSSD Black Hills, TPAW Teton Pass, FKWY Fox Creek, etc.

IDC 13 12:00:56.7z 2.0, 16.93N, 94.58W, h104km, 6km, mb3.4/2, mbmp3.7/3, Error ellipse: s-maj=46.1km s-min=18.2km az=17.0

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Frequency, Power, Bandwidth, Modulation, etc. Includes stations like CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, etc.

2017 NOV

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Frequency, Power, Bandwidth, Modulation, etc. Includes stations like MIHL Tuzandepeti, TUIG Tuzandepeti, TUIG Arroyo Zacate, etc.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Frequency, Power, Bandwidth, Modulation, etc. Includes stations like MIHL Tuzandepeti, TUIG Tuzandepeti, TUIG Arroyo Zacate, etc.

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Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Frequency, Power, Bandwidth, Modulation, etc. Includes stations like T35A Sooner Cattle, W50A Signal Mountain, S39A Bolivar, etc.

THE 13 12:14:15.2, 40.76N, 20.48E, h2km, 20km, ML2.7/2, Error ellipse: s-maj=20.8km s-min=1.3km az=115.0

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Frequency, Power, Bandwidth, Modulation, etc. Includes stations like KBCN Korca, KBN Nestorio, KBN Nestorio, etc.

IDC 13 12:20:04.1z 0.7, 12.55N, 143.72E, h0km, mb3.9/9, mbmp3.9/9, Error ellipse: s-maj=23.1km s-min=16.0km az=118.0

NEIC 13 12:20:10.2, 1.6, 12.6N, 0.1x143.9E, 0.2, h55km, 6km, mb4.9/10, Error ellipse: s-maj=29.2km s-min=11.9km az=111.0

IDC 13 12:20:07.9, 0.6, 12.5N, 0.1x143.8E, 0.1, h27km, n30, s1505/27, mb4.4/15, South of Mariana Islands

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Frequency, Power, Bandwidth, Modulation, etc. Includes stations like GUMO Guam, GUMO Guam, GUMO Guam, etc.

Table with columns: Code, Station Name, Az, El, P, I, Time, Res. Includes entries for Mendenhall, Abkarak, NVAR, LPAZ.

IDC 13:25:53.1-0.8, 8:17N, 103:61W, h0km, mb4, 3/8, mbmp4, 3/9, MS4.3/47, Error ellipse: s-maj=33.5km...

NEIC 13:25:57.7, 1.6, 8.4N, 103:2W, 0.1, h10km, 1km, mb4, 7/100, Error ellipse: s-maj=24.5km...

GCMT 13:25:58.7-0.2, 8:53N, 0:01x103:21W, 0.01, h12km, MW5, 0/117, Moment Tensor Solution...

ISC 13:25:55.8-0.6, 8:28N, 103:33W, 0.09, h10km, n335, 61506/284, mb4.6/45, MS4.3/45, Northern East Pacific...

Main table listing station codes (TLIG, MOIG, CMIG, etc.), station names, and various parameters (Az, El, P, I, Time, Res).

Main table listing station codes (WTF5, OTAV, OTAV, etc.), station names, and various parameters (Time, Res, P, I, Az, El).

Main table listing station codes (TKL, DUG, DUG, etc.), station names, and various parameters (Time, Res, P, I, Az, El).

2017 NOV

13d 13h

Table with columns: Station, Time, Azimuth, Elevation, SNR, etc. Includes stations like MDP, PPT, PPT2, PAE, etc.

Table with columns: Station, Time, Azimuth, Elevation, SNR, etc. Includes stations like H20K, F22K, M14K, etc.

DNK 13 12:29:11.2,0.5,59.71N:24.31E, h0km, ML2.7(U)PP, Suspected explosion

BER 13 12:29:11.3,1.2,59.79N:24.90E, h15km,999km, ML2.0 EST 13 12:29:12.9,0.0,59.63N:24.04E, h0km, ML2.1 (HEL), Explosion

HEL 13 12:29:13.2,0.1,59.63N:24.08E, h0km, ML2.1, Explosion UPP 13 12:29:13.1,2.5,59.72N:24.07E, h0km, ML2.1

IDC 13 12:29:14.2,1.1,59.76N:23.90E, h0km, mblmp 3.0/4, ML2.4/3, Error ellipse: s-maj=12.2km s-min=6.9km

LVSN 13 12:29:14.3,1.5,59.65N:24.16E, h0km,43km, ML2.8 ISC 13 12:29:14.0,0.7,59.64N:0.02,24.08E,0.02,h0km,m57, @178/84, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like EEO1, EEO1, MEF, etc.

Table with columns: Station, Time, Azimuth, Elevation, SNR, etc. Includes stations like SLIT, SLIT, SLIT, etc.

IDC 13 12:59:13.5,59.999,0.5009N:52.47E, h0km, Error ellipse: s-maj=1431.0km s-min=81.3km az=82.0, Western Kazakhstan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like I31KZ, I46RU, I34MN, etc.

TEH 13 13:02:35.8,34.69N:46.15E, h8km,48km, ML3.1 ISN 13 13:02:36.1,0.5,34.65N:46.05E, h12km,5km, ML3.4

ISC 13 13:02:35.8,1.2,34.68N:0.03,46.14E,0.03,h6km,12km, n16,@90/22, Western Iran

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

ISK 13 13:04:43.8,37.18N:28.63E, h16km, ML2.6/9 AFAD 13 13:04:43.7,0.0,37.20N:28.63E, h7km,2km, ML2.1

ISC 13 13:04:42.8,1.2,37.18N:0.03,28.71E,0.04,h11km,10km, n21,@93/31, Turkey

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

AYDN			S	Sg	13 05 09.2	-0.2
AYDN			i AML	AML	13 05 14.0	
comp=E,227nm,0.5s						
DAT	Data	1.01 244	Pg	Pn	13 05 02.6	-0.5
DAT	Data	1.01 244	P	Pn	13 05 03.0	-0.1
DAT			S	Sn	13 05 17.9	+0.5
DAT			i AML	AML	13 05 18.0	
comp=N,112nm,1.4s						
BODT	Bodrum	1.13 265	Pg	Pg	13 05 04.7	+0.2
IZMR	izmir-demi	1.13 328	P	Sb	13 05 04.0	-0.4
IZMR			S	Sb	13 05 17.9	+0.4
IZMR			i AML	AML	13 05 26.0	
comp=N,31nm,0.5s						
GCAM	G?zelcam?i	1.29 294	P	Pg	13 05 08.0	+0.5
PASA	Karahalli, USA	1.32 28	P	Pg	13 05 08.6	+0.4
KULA	Kula-Maris	1.03 368	Pn	Pn	13 05 03.3	+0.3
USAK	Uak-Merkez	1.55 9	P	Pb	13 05 11.9	+0.2

NAO 13 13:12:32.3, 337'30N:46'36E, h33km, mb4.1
 NEIC 13 13:12:36.7, 1.2, 344'30N:06:45:75E:0.04, h1(km±1km, mb4.7/90, Error ellipse: s-maj=10.4km s-min=5.9km az=166.0
 IDC 13 13:12:36.2:0.7, 344'44N:45'81E, h0km, mb4.4/22, mbmp4.4/29, ML3.9/7, MS3.4/7, Error ellipse: s-maj=16.2km s-min=11.2km az=164.0
 MOS 13 13:12:36.6:1.8, 344'23N:45'89E, h17km, mb4.6/34, Error ellipse: s-maj=5.5km s-min=4.1km az=97.4
 TEH 13 13:12:37.6, 34.48N:45.77E, h12km, 37km, ML4.5
 ISN 13 13:12:38.3:1.4, 344'34N:45.46E, h14km, 29km, ML4.7
 AFAD 13 13:12:42.0:0.0, 344'57N:45.09E, h15km, MW4.4
 DSN 13 13:12:47.5:1.1, 334'46N:46.06E, h15km, mb4.9/1, Error ellipse: s-maj=29.1km s-min=10.8km az=38.0
 OMAN 13 13:12:53.2:0.7, 334'43N:46.46E, h10km, mb4.7/32, ms3.6/3, Error ellipse: s-maj=15.3km s-min=3.4km az=54.0
 ISC 13 13:12:37.9:0.7, 344'42N:02:45:70E:0.02, h14km, 4km, n462, c241/458, mb4.6/112, MS3.5/5, 8C-24D, Iran-Iraq border region

Code	Station Name	A°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
IDHR	Dehrash	0.57	61	Op	Pg	13 12 48.5	-0.8
IDHR					Sg	13 12 57.4	-0.7
IDHR	Dehrash	0.57	61	Pg	Pb	13 12 48.7	-0.6
IDHR					Sg	13 12 57.1	-1.0
IGHG	Ghaleghazi	0.66	98	Pg	Pg	13 12 51.0	+0.1
IGHG	Ghaleghazi	0.66	98	Pb	Pb	13 12 51.4	-0.1
IGHG					Sg	13 13 03.1	-0.4
ILBA	Ilam Banvizeh	0.87	156	Pg	Pg	13 12 54.9	0.0
ILBA	Ilam Banvizeh	0.87	156	Pg	Sg	13 12 54.4	+0.4
KCHF	Cheshme Sefid,	1.06	98	Pg	Pg	13 12 58.3	-0.1
KCHF	Cheshme Sefid,	1.06	98	Pg	Pb	13 12 58.2	0.0
ILIN	Lien	1.09	63	Pb	Pb	13 12 58.1	-0.8
ILIN	Lien	1.09	63	Pg	Sg	13 12 57.8	-1.0
ILIN					Sn	13 13 13.8	-0.4
SLY	Sulaymaniyah	1.20 349	Pg	Pn	Pn	13 12 59.4	-1.0
IBDR	Badra	1.32 174	ePn	Pb	Sg	13 13 03.0	+0.6
IBDR					eSn	13 13 22.0	+1.6
IBDR					AML	13 13 28.8	
IBDR					AML	13 13 29.1	
comp=N,11um,0.5s							
IKOM	Komasi	1.46	99	Pg	Pg	13 13 06.0	-0.3
IKOM					Sg	13 13 07.6	+2.6
IKRK	Kirkuk	1.53 310	Pb	Pb	13 13 25.0	-2.2	
IKRK					eSg	13 13 30.4	
IKRK					AML	13 13 30.4	
comp=E,29um,0.4s							
BHD	Baghdad	1.64 226	ePn	Pn	13 13 06.0	-0.3	
BHD					eSn	13 13 24.0	-3.1
BHD					AML	13 13 41.0	
comp=E,5um,0.5s							
IBZA	Bozali	1.72 88	Pg	Pg	13 13 10.3	-0.8	
SDSI	Sardash, Az.	1.74 352	Pg	Pg	13 13 09.8	-1.5	
IKFM	Kafar-mosalman	1.94 117	Pn	Pb	13 13 12.4	-0.7	
MAHB	Mahabad	2.34 359	Pn	Pb	13 13 17.1	-2.9	
HSAM	Samen	2.35 94	Pn	Pb	13 13 18.6	-1.6	
RAFI	Al-Rafai	2.71 174	ePn	Sn	13 13 23.0	+1.9	
RAFI					Sg	13 13 46.2	+2.4
HAGD	Aghdareh	2.80 81	Pn	Pn	13 13 24.6	+2.0	
IHSH	Hashtur	3.12 22	Pn	Pb	13 13 28.2	+1.1	
CUKT	Kukurra	3.32 329	Pn	Pb	13 13 34.1	-2.7	
QSDN	Sirdan	3.46 52	Pn	Pb	13 13 34.3	+2.6	
HAKT	HAKKARI	4.02 14	Pn	Sn	13 13 45.7	+2.8	
HAKT					S	13 14 16.7	+1.9
IRAZ	Razeghan	3.55 73	Pn	Pn	13 13 34.8	+2.0	
ISRB	Sarab	3.72 24	Pn	Pn	13 13 37.1	+1.9	
ITBZ	Tabriz	3.81 4	Pn	Pn	13 13 38.9	+2.4	
ISHB	Shabestar	3.85 358	Pn	Pn	13 13 37.7	+0.6	
IHR5	Heris	4.02 14	Pn	Pn	13 13 40.4	+1.5	
SIRT	Sirnak	4.09 320	Pn	Pn	13 13 41.2	+0.9	
SIRT	Sirnak	4.09 320	Pn	Pn	13 13 39.6	-0.6	
SIRT	Sirnak	4.09 320	Pn	Pn	13 13 41.1	+0.9	
SIRT	Sirnak	4.09 320	Pn	Pn	13 13 41.4	+1.1	
SIRM	Sirnak	4.10 319	Pn	Pn	13 13 41.5	+1.1	
IMRD	Marrand	4.28 359	Pn	Pn	13 13 43.9	+1.0	
PERV	Siirt/Pervari-	4.38 324	Pn	Pn	13 13 45.1	+0.9	
IQOM	Qom	4.38 83	Pn	Pn	13 13 45.9	+1.5	
GEVA	Gevas	4.46 331	Pn	Pn	13 13 45.4	+0.1	
GEVA	Gevas	4.46 331	Pn	Pn	13 13 47.8	+2.5	
GEVA	Gevas	4.46 331	Pn	Pn	13 13 48.2	+2.7	
AKDM	Akdamar-Van	4.50 331	Pn	Pn	13 13 47.6	+1.7	
AKDM	Akdamar-Van	4.50 331	Pn	Pn	13 13 51.2	+4.2	
VANB	Van	4.59 336	Pn	Pn	13 13 49.4	+2.4	
VANB	Van	4.59 336	Pn	Pn	13 13 49.2	+1.7	
IPIR	Pirpir	4.61 111	Pn	Pn	13 13 49.7	+1.8	
KMDY	Mardin/Midyat-	4.63 211	Pn	Pn	13 13 49.3	+1.3	
JHBN	Jahan bin	4.64 117	Pn	Pn	13 13 51.0	+2.4	
GRMI	Germi	4.70 21	Pn	Pn	13 13 51.0	+2.4	
QAMS	Qamsar	4.71 97	Pn	Pn	13 13 51.1	+2.1	
ZNGN	Zangian	4.83 117	Pn	Pn	13 13 51.6	+0.9	
IVRN	Varamin	4.94 92	Pn	Pn	13 13 53.5	+1.8	
CLDR	Caldiran	4.95 34	Pn	Pn	13 13 53.2	+1.2	
IKLH	Kolahrood	4.95 101	Pn	Pn	13 13 53.3	+1.2	
MARD	Mardin	4.98 307	Pn	Pn	13 13 51.6	-0.8	
MARD	Mardin	4.98 307	Pn	Pn	13 13 51.9	-0.5	
MAKU	Maku	5.00 350	Pn	Pn	13 13 55.0	+2.2	
GURO	Guroymak-BITLI	5.11 313	Pn	Pn	13 13 56.5	+2.3	
GURO	Guroymak-BITLI	5.11 325	Pn	Pn	13 13 53.7	-0.4	
GURO	Guroymak-BITLI	5.11 325	Pn	Pn	13 13 55.5	+1.3	
MZPU	Pul - Mazandar	5.14 65	Pn	Pn	13 13 55.9	+1.1	
IBRJ	Brojen	5.24 117	Pn	Pn	13 13 56.8	+0.7	
SVAN	Silvan-Diyarba	5.24 316	Pn	Pn	13 13 56.5	+0.5	
IMIV	Demavand	5.26 76	Pn	Pn	13 13 57.2	+0.9	
KRSH	Karshahi	5.29 93	Pn	Pn	13 13 58.5	+1.8	
ISFB	Sefidabad	5.35 89	Pn	Pn	13 13 57.7	+0.2	
IGAR	Gharneh	5.61 109	Pn	Pn	13 14 02.5	+1.0	
ZEFZ	Zefreh	5.67 104	Pn	Pn	13 14 03.9	+1.8	
GNI	Garni	5.78 352	Pn	Pn	13 14 14.2	-4.2	
GNI	Garni	5.78 352	Pn	Pn	13 14 05.1	+1.7	
GNI	Garni	5.78 352	Pn	Pn	13 14 34.6	+6.0	
GNI	Garni	5.78 352	Pn	Pn	13 14 03.6	+2.0	
GNI	Garni	5.78 352	Pn	Pn	13 14 08.3	+5.0	
comp=E,1.2nm,0.3s,baz=355,slow=4.2,SNR=7.6							
GNI					Lg	13 15 42.9	
comp=E,1.1nm,0.3s,baz=256,slow=2.1,SNR=2.2							
IFIR	Firoozkooch	5.85 76	Pn	Pn	13 14 06.0	+1.5	
KLNJ	Kolanjah	5.97 123	Pn	Pn	13 14 08.2	+1.9	
ILAS	Lasjerd	5.98 79	Pn	Pn	13 14 08.0	+1.7	
IRAM	Rameshsh	6.12 119	Pn	Pn	13 14 09.1	+1.3	
BNGB	Bingi	6.13 320	Pn	Pn	13 14 09.3	+1.1	
ANAR	Anarak	6.73 98	Pn	Pn	13 14 17.3	+0.8	
ISAD	Sadrabad	7.09 108	Pn	Pn	13 14 22.0	+0.5	
ARRP	Ararajip-MALATY	7.57 310	Pn	Pn	13 14 26.5	-1.6	
KEMA	Kemali	7.57 312	Pn	Pn	13 14 30.6	+2.5	
DSBU	Dashti - Bushe	7.85 111	Pn	Pn	13 14 32.2	+1.2	
KELT	Kelkit	7.72 320	Pn	Pn	13 14 33.3	+3.1	
ASF	Jabal al Asfar	7.76 256	Pn	Pn	13 14 36.2	+5.5	
ASF	Jabal al Asfar	7.76 256	Pn	Pn	13 14 28.3	-2.4	
comp=E,1.6nm,0.3s,baz=56,slow=10,SNR=6.9							
ASF					Lg	13 16 40.2	
comp=N,2.3nm,0.3s,baz=75,slow=22,SNR=2.7							
HSUJ	Al Zarqa	8.35 257	P	Pn	13 14 43.0	+4.3	
NATI	Neve Ativ	8.43 265	P	Pn	13 14 43.9	+4.2	
ZEI	Tsey	8.48 351	eP	Pn	13 14 47.1	+6.6	
ZEI					pmax		

comp=Z,23nm,1.4s	GEM	Giv'at Ha'Em	8.50 265	P	Pn	13 14 45.2	+4.5
	SHMJ	Saham	8.52 261	P	Pn	13 14 45.8	+4.8
	MAK	Makhachkala	8.63 8	eP	Sn	13 14 42.9	+0.5
	MAK			eS	Sn	13 16 24.1	+4.6
				pmax	pmax		
comp=Z,158nm,1.0s	MAK			MLR	MLR		
comp=Z,273nm,16.0s	MMAI	Mount Meron Ar	8.76 264	Pn	Pn	13 14 45.7	+1.5
				Ph	Ph	13 14 52.7	+7.4
				SNR=2.2	SNR=2.2		
comp=Z,1.9nm,0.3s,baz=66,slow=14,SNR=2.2	MMAI			Lg	Lg	13 17 05.3	
comp=Z,2.6nm,0.3s,baz=73,slow=23,SNR=2.5	MMAI			Lg	Lg	13 17 05.3	
comp=Z,287nm,18.3s,baz=314,slow=44	MMAI			LR	LR	13 19 02.3	
comp=Z,0.9nm,9.3s	MMAI			LR	LR	13 19 02.3	

SWUJ	Swaga	8.77 251	P	Pn	13 14 48.6	+4.2	
QRNJ	Al-Qreïn	8.78 259	P	Pn	13 14 50.3	+5.8	
WALI	Wala	8.84 256	P	Pn	13 14 52.7	+7.4	
HMDT	Nahal Hemdat	8.85 259	P	Pn	13 14 51.6	+6.2	
HNTI	Hanita	8.93 264	P	Pn	13 14 50.5	+3.9	
BLGI	Bet Lehem HaGe	8.99 262	P	Pn	13 14 52.5	+5.1	
KARJ	KARJ	9.14 252	P	Pn	13 14 49.9	+0.5	
DSI	Dead Sea	9.18 255	P	Pn	13 14 55.2	+5.2	
OFRI	Ofer	9.19 262	P	Pn	13 14 56.7	+6.6	
TPRV	Parvadeh(Tabas	9.19 96	Pn	Pn	13 14 51.5	+1.2	
SLTI	Salit	9.24 259	P	Pn	13 14 56.1	+5.2	
SAKB	Bahrain	9.37 153	P	Pn	13 14 52.0	-0.5	
KBDS	Khoobdash(Taba	9.45 92	Pn	Pn	13 14 54.7	+0.9	
KBZ	Khabaz	9.56 347	P	Pn	13 14 59.3	+4.2	
KBZ				Pn	13 15 00.5	+5.4	
KBZ				LR	LR	13 19 02.7	
comp=Z,2.1nm,18.3s,baz=104,slow=40	SHMA	Shehemyia	9.64 151	P	Pn	13 14 55.9	-0.4
comp=Z,0.9nm,0.3s	SHMA	Kislovodsk Array	9.81 347	Pn	Pn	13 15 01.6	+2.9
comp=Z,0.9nm,0.3s	SHMA	Kislovodsk	9.81 347	eP	Pn	13 15 03.1	+4.4
comp=Z,2.2nm,1.0s	KIV	Kislovodsk		MLR	MLR		
comp=Z,4.0nm,12.0s	SBZV	Sabzevar	9.86 75	Pn	Pn	13 15 01.3	+1.8
SOCC	Sochi	10.29 335	eP	Pn	13 15 02.8	-2.3	
SOC				pmax	pmax	13 17 00.7	
comp=Z,1.9nm,0.7s	SOC			MLR	MLR		
comp=Z,218nm,15.0s	EIL	Eilat	10.33 246	Pn	Pn	13 15 06.5	+0.7
comp=Z,0.6nm,0.3s,baz=55,slow=5.2,SNR=3.0	EIL			Lg	Lg	13 18 06.5	
comp=Z,1.0nm,0.3s,baz=2.9,slow=14,SNR=2.7	EIL			LR	LR	13 20 13.4	
comp=Z,242nm,18.2s,baz=46,slow=44	GEYT	Alibek	10.57 67	Pn	Pn	13 15 08.0	-1.0
comp=Z,2.2nm,0.4s	GEYT	Alibek	10.57 67	Pn	Pn	13 15 10.6	+1.6
comp=Z,0.3nm,0							

13d 13h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MNK, MNK, MNS, etc.

2017 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like UPC, CHVC, KPKS, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CHTO, CMAR, DAG, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like K29M Barlow Dome, L19K White Mountain, BCAR Beaver Creek, etc.

IDC 13 13:14:09.4+0.5, 12.50N, 143.80E, h0km, mb4.1/21, mbmp4.2/22, ML4.2/1, MS3.8/12, Error ellipse: s-maj=17.1km s-min=12.1km az=88.0

NEIC 13 13:14:17.5+0.6, 12.16N, 144.14E, h76km, 10km, M4.3/12, mB5.3/5, mb4.5/12, MLV4.0/1, Mw(mB)4.7/5

ISC 13 13:14:13.5+0.4, 12.40N, 0.06:143.96E, 0.07, h27km, n129, a1506/116, mb4.9/60, MS3.9/11, South of Mariana Islands

Main table of station data for the left page, including stations like GUMO, MANU, PATS, GENI, KRVT, DAV, FAKI, LBMI, H11S3, H11S1, H11S2, KMSI, H11N1, H11N2, H11N3, JNU, MJAR, MRSI, MYLDM, COEN, MTN, KRSR, KAPI, ASAJ, KNRA, SBUM, WRB, WRA, KSM, AS31, ASAR, ASAR, KLR, KLR, HEH, HEH, LEM, PSA00, PSA00, PETK, CMAR, CMAR, CMAR, STKA, STKA, MSVF, MSVF, FORT, BBOO, BBOO, SONM, SONM, MORW, TOO, TOO.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, MAZK Makanchi, ZALV Zalesovo Beam, PALK Kurchatov Arra, KURBB Kurchatov Arra, BRLL Bradley Lake, B21K Ikpikpik River, RND Reindeer, I23K Minto, Yukon-K, I23K Teshekpuk Lake, ILAR Eielson Array, ILAR Eielson Array, E24K Your Creek, E24K Borovoye Array, BRVK Borovoye, D24K Happy Valley, SUCK Suckling Hills, J25K Salcha River, D25K Kavik River, BMAR Burt Mountain, M29M Somme Creek, F28M Old Crow, E28M Sataba River, G31M Sataba River, G31M Sataba River, INK Inuvik, R33M Akbulak array, R33M Jennings River, A36M Sachs Harbour, BBB Bella Bella, C36M Paulatuk, GEYT Alibek, EUNU Eureka, YKA Yellowknife Arr, YBH Yreka Blue Hor, YBH Yreka Blue Hor, YBH Yreka Blue Hor, MCCM Marconi Conifer, RES Resolute Bay, NEW Newport, YERR Yerington, EDM Edmonton, ARCES ARCESS Array B, ARCES ARCESS Array B, OMMB Old Mammoth Mi, OMMB Pearl Lake, PLID Pearl Lake, NVAR Mina Array Bea, NV11 Mina Array Sit, NV11 Mina Array Sit, BMN Battle Mount, BMN Camas Ranch, MFID MFID, MFID MFID, DSP Deep Springs, TPH Tonopah, GMIN Gold Mountain, HLID Hailey, ELK Elko, ELK Elko, QSM Queen of Sheba, GWW Greentwater Val, GWW Greentwater Val, VNSA Vanda, VNSA Vanda, R11B Troy Canyon, R11B Troy Canyon, PMD Palm Desert, SPR3 Spring Creek, SPR3 Spring Creek, HVU Hansel Valley, YHL Hebggen Lake, YHL Hebggen Lake, FINES Fines, FLWY Flagg Ranch, FLWY Flagg Ranch, KNB Kanab, PDAR Pinedale Array, PDAR Pinedale Array, HVU Hansel Valley, YHL Hebggen Lake, YHL Hebggen Lake, LAO Lasa Array, LAO Torodi Arr, LAO Torodi Arr, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz.

ISK 13 13:14:45.7, 36.98N, 27.67E, h1km, ML2.9/14

THE 13 13:14:46.3, 36.99N, 27.70E, h2km, 4km, ML2.9/3, Error ellipse: s-maj=4.6km s-min=1.1km az=154.0

AFAD 13 13:14:47.8+0.0, 37.03N, 27.66E, h7km, 3km, ML2.6

ISK 13 13:14:45.7, 36.98N, 27.67E, h1km, ML2.9/14

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like RFTA Mazikoy-Bodrum, RFTA Datca, DAT Datca, BOT Bodrum, RFTD Kemer-Bodrum, RFTA Milas, MLSB Mulas, TURN Turunc, TURN Turunc, TURN Yerkesik, YER Yerkesik, YER Yerkesik, NISR Nirosos, NISR Nirosos, GCAM G7zelcaml?, GCAM G7zelcaml?, DALY Dallyan (Mula), ARG Arkhangelos, ARG Arkhangelos, SMG Samos, SMG Samos, DENIZLI Tavass, DENIZLI Tavass, FETY Fetih, DNIZ Denizli-Tavass, DNIZ Denizli, DNIZ Denizli, CAME Cameli, IZZE Mula-Seydik, IZZE Mula-Seydik, GOLH Golhisar, GOLH Golhisar, URLA Izmir, APE Apeiranthos, KULA Kula-Manisa, RFTS Foca, KORT Korkuelli, KORT Korkuelli.

DNK 13 13:15:41.2+1.3, 56.06N, 13.96E, h0km, ML1.1 (UPP), Explosion, Sweden

NOU 13 13:16:36.0, 20.05S, 168.84E, h0km, MLV4.1/9, Loyalty Islands

IDC 13 13:16:36.8, 5.5, 20.00S, 168.55E, h0km, mb4.1/3, mbmp4.0/4, ML3.5/1, Error ellipse: s-maj=133.6km

s-min=34.1km az=120.0

NEIC 13 13:16:38.2, 2.9, 19.95S, 0.1:168.77E, 0.09, h25km, 7km, mb5.1/5, Error ellipse: s-maj=17.4km s-min=7.9km

ISC 13 13:16:36.1+0.7, 19.96S, 0.07:168.8E, 0.1, h10km, n33, a121/34, mb4.4/11, Vanuatu Islands

Main table of station data for the right page, including stations like LIFNC LIFOU, MARC Mare, DVP Devils Point, PINNC Pines Island, DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, QUENC Quen Island, NOUC Port Laguerre, ONTNC Ouen Toro, ONTNC Ouen Toro, KOUNC Koumac, RTZ Ruatana, BKZ Bak Stump Fm, BKZ Bak Stump Fm, LTZ Lake Taylor, WRB Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, AS31 Alice Springs, KNRA Kununurra, PSA00 Pilbara Seismi, PSA00 Pilbara Seismi, PETK Petropavlovsk, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, STKA Stephens Creek, STKA Stephens Creek, MSVF Nonsavu, MSVF Nonsavu, FORT Forrest, BBOO Buckleboo, BBOO Buckleboo, SONM Songoingto Array, SONM Songoingto Array, MORW Morawa, TOO Toolangi, TOO Toolangi.

ISC 13 13:19:15.2+0.8, 34.89N, 45.76E, h6km, 8km, ML3.0

TEH 13 13:19:18.0, 34.90N, 45.84E, h18km, 39km, ML3.0

ISC 13 13:19:17.2+0.9, 34.87N, 0.04:45.82E, 0.04, h10km, n13, a096/118, Iran-Iraq border region

Main table of station data for the right page, including stations like LIFNC LIFOU, MARC Mare, DVP Devils Point, PINNC Pines Island, DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, QUENC Quen Island, NOUC Port Laguerre, ONTNC Ouen Toro, ONTNC Ouen Toro, KOUNC Koumac, RTZ Ruatana, BKZ Bak Stump Fm, BKZ Bak Stump Fm, LTZ Lake Taylor, WRB Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, AS31 Alice Springs, KNRA Kununurra, PSA00 Pilbara Seismi, PSA00 Pilbara Seismi, PETK Petropavlovsk, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, STKA Stephens Creek, STKA Stephens Creek, MSVF Nonsavu, MSVF Nonsavu, FORT Forrest, BBOO Buckleboo, BBOO Buckleboo, SONM Songoingto Array, SONM Songoingto Array, MORW Morawa, TOO Toolangi, TOO Toolangi.

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

IDC 13 13:31:43.1±1.1, 31°47'S±177°83'W, h0km, mb4.3/7, mbmp4.3/8, ML4.6/1, MS4.0/1, Error ellipse: s-maj=30.2km s-min=23.9km az=82.0

NEIC 13 13:31:43.4±1.5, 31°51'S±177°50'W, h0km, mb4.6/12, Error ellipse: s-maj=19.5km s-min=8.5km az=359.0

ISC 13 13:31:44.1±0.9, 31°58'S±177°9'W, h10km, n43, z=203/44, mb4.6/12, Kermadec Islands region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GLKZ, RAO, RAO, RAO, etc.

IDC 13 13:35:02.7±0.4, 21°58'S±169°87'E, h0km, mb4.9/22, mbmp4.9/24, ML5.1/2, MS4.0/3, Error ellipse: s-maj=15.9km s-min=13.0km az=77.0

MOS 13 13:35:03.8±1.0, 21°60'S±168°76'E, h13km, mb5.4/33, Error ellipse: s-maj=9.0km s-min=8.1km az=22.3

BUI 13 13:35:03.0±0.0, 21°50'S±168°80'E, h10km, mb5.0/45, mb5.4/31, Ms5.2/5, Ms7.4/9/5

NEIC 13 13:35:05.2±1.66'S±168°79'E, h16km

NEIC 13 13:35:05.2±1.36'S±168°68'E, h16km, Moment Tensor Solution. Duration: 1s8 Moment tensor: Scale 10^16Nm; Mn=5.23; Mw=2.14; Mw=3.09; Ml=1.40; Mb=2.29; Mr=0.88;

Fault plane solution: Mw=3.52, N=106, NPI: phi=305.86000; lambda=17000; lambda=110.90000; NP2: phi=155.65000; lambda=89.0000; lambda=68.27000; Principal axes: T 4.9584, P1g1.0000; Azm50.0000; N 0.7267, P1g15.0000; Azm320.0000; P -6.6851, P1g15.0000; Azm145.0000;

NOU 13 13:35:05.3±2.144'S±168°67'E, h0km, mb5.1/104, Loyalty Islands

NEIC 13 13:35:05.3±2.1, 21°65'S±168°77'E, h10km, mb5.1/135, Mw=5.1/28, Error ellipse: s-maj=13.1km s-min=4.3km az=192.0

BGR 13 13:35:09.0±20°89'S±171°32'E, h33km

GCMT 13 13:35:09.0±2.21°51'S±170°168°67'E, h10km, Mw=5.1/17, Moment Tensor Solution. S=70, c94; s117, c186; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=4.84±.15; Mw=1.85±.10; Mw=3.00±.11; Mo=0.10±.19; Mw=2.25±.07; Mw=2.60±.22; Best double couple: Ms5.44000x10^16 NPI: phi=157.00000; lambda=174.00000; NP2: phi=309.00000; lambda=835.00000; lambda=114.00000; Principal axes: T 5.2140, P1g12.0000; Azm236.0000; N 0.4630, P1g13.0000; Azm329.0000; P -5.6670, P1g12.0000; Azm104.0000; nstaj refers to body waves, cutoff=40s. nstaj2 refers to surface waves,

cutoff=50s. Triangular moment-rate function

ISC 13 13:35:04.6±0.3, 21°59'S±164°82'E, h0km, mb5.6, c131/584, mb5.2/142, MS4.1/36, 4C-43D, Loyalty Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MARNC, MARNC, PINNC, etc.

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

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MORWA, GTOI, KAPPI, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like TIA, TAI, TYV, TYY, etc.

13d 13h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SNA, SNA, K15K, etc.

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like YUK3, R11B, ILAR, J08A, etc.

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like BDFB, MOS, KIV, etc.

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like IDI, POSS, ZVC, etc.

ISN 13 13:38:14.8,0.7,341.97N,45.76E, h14km,51km,ML3.1
TEH 13 13:38:14.9,34.86N,45.76E, h13km,52km,ML3.0
ISC 13 13:38:15.8,1.4,34.84N,0.04,45.66E,0.05,h5km,13km,
n15,-0.69/23,iran-ranq border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IDHR, DHR, IGHG, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like IKRKK, KCHF, SDFS, ILBA, etc.

AZER 13 13:39:53.1±2.6, 34.05N:45.45E, h10km, Error ellipse: s-maj=29.8km s-min=23.8km az=117.0

Code Station Name Azimuth Phase ID Time Res ISC

Main table for AZER station data, listing codes, station names, azimuths, phases, IDs, times, and residuals.

IDC 13 13:41:41.4±2.0, 10.00N:91.74E, h0km, mb3.5/3, mbmp3.6/4, ML4.1/1, Error ellipse: s-maj=64.9km

NEIC 13 13:41:53.8±1.3, 9.91N:01.93E, h2km, mb4.3/6, Error ellipse: s-maj=28.4km s-min=12.5km az=51.0

ISC 13 13:41:53.3±1.1, 9.8N:01.93E, h10km, n21, n19, n03/17/18, mb4.3/7, Nicobar Islands region

Main table for IDC and NEIC station data, listing codes, station names, azimuths, phases, IDs, times, and residuals.

IDC 13 13:50:25.8±1.0, 36.60N:137.31E, h271km, 14km, mb2.7/2, mbmp3.6/5, Error ellipse: s-maj=57.5km s-min=20.5km

JMA 13 13:50:26.1±0.3, 36.55N:0.8:13.7E, h267km, 2km, MV2.8/32, TOYAMA GUFU BORDER REG

Main table for IDC and JMA station data, listing codes, station names, azimuths, phases, IDs, times, and residuals.

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

ISC 13 13:56:41.0±0.4, 34.61N:46.13E, h10km, 4km, ML3.1

Code Station Name Azimuth Phase ID Time Res ISC

Main table for ISC station data, listing codes, station names, azimuths, phases, IDs, times, and residuals.

AZER 13 14:01:36.4±3.0, 33.68N:45.64E, h10km, Error ellipse: s-maj=42.6km s-min=11.0km az=73.0

TEH 13 14:01:48.3±4.3, 34.83N:45.82E, h11km, 12km, ML3.8

IDC 13 14:01:52.8±2.7, 35.52N:45.34E, h0km, mb3.9/6, mbmp3.8/7, ML4.5/1, MS3.3/1, Error ellipse: s-maj=52.1km

ISC 13 14:01:48.1±0.6, 34.75N:0.04:45.65E:0.04, h10km, n75, n170/83, mb4.3/18, Iran-Iraq border region

Main table for AZER, TEH, IDC, and ISC station data, listing codes, station names, azimuths, phases, IDs, times, and residuals.

IDC 13 14:08:18.3±1.6, 39.59N:145.04E, h0km, mb3.6/7, mbmp3.6/10, ML3.2/3, MS3.6/2, Error ellipse: s-maj=39.8km s-min=21.1km az=78.0

JMA 13 14:08:23.0±1.1, 39.73N:0.05:144.65E:0.07, h23km, n26, n194/42, mb3.7/7, Off east coast of Honshu

Main table for IDC and JMA station data, listing codes, station names, azimuths, phases, IDs, times, and residuals.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like BNI, Bardonecchia, HFS, Hagfors, etc.

ISC 13 14:08:23.0±1.1, 39.73N:0.05:144.65E:0.07, h23km, n26, n194/42, mb3.7/7, Off east coast of Honshu

Main table for 13d 14h station data, listing codes, station names, azimuths, phases, IDs, times, and residuals.

EAF 13 14:08:01.3±2.8, 37.87E, h10km, ML4.3

Code Station Name Azimuth Phase ID Time Res ISC

Main table for EAF station data, listing codes, station names, azimuths, phases, IDs, times, and residuals.

IDC 13 14:08:23.0±1.1, 39.73N:0.05:144.65E:0.07, h23km, n26, n194/42, mb3.7/7, Off east coast of Honshu

JMA 13 14:08:23.0±1.1, 39.73N:0.05:144.65E:0.07, h23km, n26, n194/42, mb3.7/7, Off east coast of Honshu

Main table for IDC and JMA station data, listing codes, station names, azimuths, phases, IDs, times, and residuals.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Kaneyama, Ashorobuto, Nemuro 2, Eniwo, OTAMA OYAMA, Abashiri-Toko, Asahikawa, Matsushiro Arr, etc.

MOS 13:14:51.24.0.0.8, 41.03N.50.30E, h22km, mb4.1/1, Error ellipse: s-maj=15.8km s-min=6.9km az=39.4

DRS 13:14:51:27.7, 41.18N.50.36E, h24km

ISC 13:14:51:23.5, 1.6, 41.26N.0.10.50.24E.0.06, h10km, n30, s-194d,60, 7C-2D, Caspian Sea

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Kasumkent, Urukrah, Serqokala, Kumukh, Makhchakala, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Khunzakh, Karanay, Uncukul, Dubki, Botlikh, Gani, Nalchik, etc.

IDC 13:14:58:58.6, 6.3, 31.70Sx179.89E, h416km, 70km, mb2.6/2, mbmp3.7/3, Error ellipse: s-maj=77.1km s-min=39.5km

WEL 13:14:59:02.1, 1.4, 32.5S, 10.1x18.0W.2.0, h344km, 19km, M4.5/10, mb4.8/7, ML4.8/11, MLV5.0/10, Mw(mb)4.1/7, Error ellipse: s-maj=0.0km s-min=0.0km az=110.9

ISC 13:14:58:57.1, 1.0, 31.146S.0.09x179.9W.0.2, h400km, n21, s-177/23, Kermadec Islands region

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

NAO 13:15:00:26.5, 32.21N.46.60E, h33km, mb4.3

TEH 13:15:00:43.6, 34.38N.45.58E, h8km, 26km, ML4.4

ISN 13:15:00:44.1, 0.0, 34.39N.45.64E, h9km, 22km, ML4.5

AFAD 13:15:01:07.0, 0.0, 35.66N.44.39E, h15km, MW3.9

Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Dehrash, Ghalghazi, Ilam Banvizeh, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Dehrash, Ghalghazi, Ilam Banvizeh, Kiruk, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Shabestar, Sirt, Karanay, Uncukul, etc.

MAZI Mazidag, IBRJ Brojen, IDMV Damavand, ISFB Seftab, etc.

ISC 13:14:58:57.1, 1.0, 31.146S.0.09x179.9W.0.2, h400km, n21, s-177/23, Kermadec Islands region

Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Green Lake, Matakaoa Point, Waionatitani S, etc.

NAO 13:15:00:26.5, 32.21N.46.60E, h33km, mb4.3

TEH 13:15:00:43.6, 34.38N.45.58E, h8km, 26km, ML4.4

ISN 13:15:00:44.1, 0.0, 34.39N.45.64E, h9km, 22km, ML4.5

AFAD 13:15:01:07.0, 0.0, 35.66N.44.39E, h15km, MW3.9

Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Dehrash, Ghalghazi, Ilam Banvizeh, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Dehrash, Ghalghazi, Ilam Banvizeh, Kiruk, etc.

Table with columns: Code, Station Name, Az, El, P, Sg, Pn, S, Res. Includes stations like Cheshme Sefid, Bozab, Ghaleghazi, Samen, Liem, lian Banvizeh, Badra, Aghdareh, Al-Rafai, Baghdad, Sirdan, Kirruk, Damsar, Kohlahood, Sofjan, Sefidab, Damavand, Zafrest, Kolanaj, Lasjerd, Sirnak, Gevas, Garni, Wadi Sarin, Akbulak array, Karatay Array, Nilore, Malin Array Be, Buocovina Array, Borovoye, Kurchatov Arra, Makanchi Array, ArcCESS Array B, FINESS Array B, Zalesovo Beam, Bardonecchia, HFS, ESKdalemir, Sonseca Array, Torodi Arr, Chiang Mai Arr, Chiangrai, KULM, Korea Array, Boshof, Ermo, B21K, B21K, E19K, E22K, F20K, E25K, F21K, E27K, F24K, G19K, BMAR, IMAR, H29M, H29M, ILAR, ILAR, ISOM.

IDC 15:33:02.0-8.0, 33°73'N-47°55'E, h0km, mb3.9/15, mbmp4.0/21, ML3.8/6, MS3.2/1, Error ellipse: s-maj=19.4km s-min=14.3km az=166.0
ISN 15:33:03.0-2.0, 33°82'N-47°57'E, h0km, ML3.8
TEH 15:33:04.2, 33°88'N-47°68'E, h8km, 175km, ML3.8
NEIC 15:33:04.8-1.7, 33°7'N-01°47'78E-0.09, h10km, 1km, mb4.6/25, Error ellipse: s-maj=18.1km s-min=12.0km az=200.0
ISC 15:33:04.6-0.4, 33°31'N-01°04'47'68E-0.04, h10km, n70, +191472, mb4.3/27, MS3.3/5, Western Iran

Table with columns: Code, Station Name, Az, El, P, Sg, Pn, S, Res. Includes stations like KAFAR-mosalmal, Bozab, Cheshme Sefid, Samen, lian Banvizeh, Liem, Dehrash, Aghdareh, Badra, Al-Rafai, Baghdad, Sirdan, Kirruk, Karatay Array, Kirruk, Borovoye, Kurchatov Arra, Makanchi Array, ArcCESS Array B, FINESS Array B, Zalesovo Beam, Bardonecchia, HFS, ESKdalemir, Sonseca Array, Torodi Arr, Chiang Mai Arr, Chiangrai, KULM, Korea Array, Boshof, Ermo, B21K, B21K, E19K, E22K, F20K, E25K, F21K, E27K, F24K, G19K, BMAR, IMAR, H29M, H29M, ILAR, ILAR, ISOM.

Table with columns: Code, Station Name, Az, El, P, Sg, Pn, S, Res. Includes stations like IRKR, ARPR, GEYT, GEYT, GYA0B, MMAI, KBZ, UOOS, EIL, WSAR, WSAR, ABKAR, AKTO, BELG, BELG, IDI, IDI, MLR, NIL, NIL, BUR08, FNA, AAK, BVA, BVA, KURBB, KURBB, MKAR, MKAR, FINES, FINES, ZALV, ZALV, ZALV, BNI, HFS, ARCES, ARCES, EKA, ESK, ESDC, ESDC, TORD, TORD, CHTO, CHTO, CMAR, CMAR, CRAI, CRAI, KULM, KULM, KSRS, KSRS, BOSA, BOSA, ERM, ERM, B21K, B21K, B21K, B21K, E19K, E19K, E22K, E22K, F20K, F20K, E25K, E25K, F21K, F21K, E27K, E27K, F24K, F24K, G19K, G19K, BMAR, BMAR, IMAR, IMAR, H29M, H29M, ILAR, ILAR, ISOM.

IDC 15:36:45.6-6.0, 34°31'N-45°74'E, h0km, mb3.9/13, mbmp3.9/18, ML3.8/6, MS3.2/1, Error ellipse: s-maj=25.3km s-min=14.3km az=164.0
NEIC 15:36:48.7-1.3, 34°28'N-01°09-45:76E-0.10, h10km, 6km, mb4.3/17, Error ellipse: s-maj=13.2km s-min=11.5km az=160.0
TEH 15:36:48.3, 34°53'N-45:78'E, h9km, 49km, ML3.8
ISN 15:36:49.6-0.5, 34°54'N-45:77'E, h22km, 3km, ML3.9
ISC 15:36:48.6-1.2, 34°50'N-01°03-45:76E-0.03, h15km, 8km, n67, +150773, mb4.2/21, Iran-Iraq border region
SCRK Sand Creek 82.11 5 P 15 45 26.4 +1.2
SCRR Beaver Creek A 83.16 4 P 15 45 31.7 +1.2

Table with columns: Code, Station Name, Az, El, P, Sg, Pn, S, Res. Includes stations like ILIN, ILIN, KCHF, KCHF, Baadra, Baadra, Kirruk, Kirruk, Komasi, Komasi, Sardasht, Sardasht, BHD, BHD, Bozab, Bozab, KAFAR-mosalmal, KAFAR-mosalmal, BAHB, BAHB, HFS, HFS, Rafi, Rafi, Aghdareh, Aghdareh, Sirdan, Sirdan, Raseghan, Raseghan, ISRB, ISRB, Sirnak, Sirnak, Gevas, Gevas, GERM, GERM, Kirin, Kirin, GURU, GURU, Garm, Garm, Jabal al Annar, Jabal al Annar, Minazif, Minazif, Wadi Sarin, Wadi Sarin, Borovoye, Borovoye, Kurchatov Arra, Kurchatov Arra, Makanchi Array, Makanchi Array, ArcCESS Array B, ArcCESS Array B, FINESS Array B, FINESS Array B, Zalesovo Beam, Zalesovo Beam, Bardonecchia, Bardonecchia, HFS, HFS, ESKdalemir, ESKdalemir, Sonseca Array, Sonseca Array, Torodi Arr, Torodi Arr, Chiang Mai Arr, Chiang Mai Arr, Chiangrai, Chiangrai, KULM, KULM, Korea Array, Korea Array, Boshof, Boshof, Ermo, Ermo, B21K, B21K, B21K, B21K, E19K, E19K, E22K, E22K, F20K, F20K, E25K, E25K, F21K, F21K, E27K, E27K, F24K, F24K, G19K, G19K, BMAR, BMAR, IMAR, IMAR, H29M, H29M, ILAR, ILAR, ISOM.

IDC 15:54:19.1-8.0, 36°23'N-70°65'E, h170km, 101km, mb3.8/1, mbmp3.8/5, MS4.0/2, Error ellipse: s-maj=111.3km s-min=39.1km az=166.0
NNC 15:54:24.6-19.0, 36°98'N-70°21'E, h190km, 651km, mb2.6, mp3.6, Error ellipse: s-maj=266.1km s-min=84.8km az=1.0
ISC 15:54:21.6-0.9, 36°33'N-01°08-70:65E-0:07, h204km, n18, +1868/21, 4C-4D, Hindu Kush region
Code Station Name Az El P Sg Pn S Res
AML Almayashu 5.98 22 1P 15 45 49.4 +0.8
AML 1.3nm, 0.4s
ISC 1.7nm, 1.0s
KK31 Karatay Array 6.47 359 1P 15 55 59.9 +1.0
1.5nm, 0.3s, baz=182, slow=14, SNR=15
KK31 13nm, 0.6, baz=192, slow=24, SNR=16
CHMS Chumysh 7.10 25 1P 15 56 03.4 +0.3
3.2nm, 0.3s

13d 16h

Table with columns: Station, Name, Frequency, Power, Mode, and Time. Includes stations like COLA, J30M, RSO, NEA2, etc.

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Table with columns: Station, Name, Frequency, Power, Mode, and Time. Includes stations like CRAG, J18K, J18K, etc.

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Table with columns: Station, Name, Frequency, Power, Mode, and Time. Includes stations like SPB2, LMN, KEV, etc.

BUL 13:16:26.31.9.0.0.8:59S; 117.67E, h10km, mb4.6/38, mB4.9/19, Ms4.4/9, Ms7.4/0.5
IDC 13:16:26.36.2.0.5.7:89S; 117.51E, h0km, mb4.2/18, mbmp4.3/21, ML4.2/3, MS3.6/19, Error ellipse: s-maj=20.6km s-min=11.9km az=64.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and ISC. Includes stations like DNP Denpasar, IGBI Denpasar, ABJI Asem Bagus, JAGI Jajag Banyuwya, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and ISC. Includes stations like CD2 comp=Z,20nm,0.9s, CD2 comp=Z,160nm,15.1s, CD2 comp=Z,190nm,13.3s, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and ISC. Includes stations like mb4.4/16, Error ellipse: s-maj=15.5km s-min=11.5km, az=183.0, ISC 13 16:49:13.4, 0.5, 33.86N, 0.04, 47.61E, 0.04, h10km, n73, etc.

Table with columns: DZM, LR, LR, 16 58 57.3, etc. Includes stations like Port Luerre, Ouen Toro, Koumac, etc.

Table with columns: M19 1.53t, M20 0.92t, M21 0.23t, etc. Includes stations like AFI Afiamalu, KOUNC Koumac, etc.

Table with columns: comp=2.116nm, 21.0s, baz=272, slow=31, etc. Includes stations like ATAH Atahualpa, NNA Nana, etc.

NEIC 13 16:58:05.5-1.6, 15.12S; 0.08:176:18W; 0.09, h10km, 1km, mb4, 7/22, Error ellipse: s-maj=18.6km s-min=5.8km az=312.0

NEIC 13 16:58:08.0-0.7, 15.03S; 176:54W, h0km, mb4, 2/9, mbmp4, 2/9, MS4, 0/34, Error ellipse: s-maj=37.4km s-min=20.1km az=141.0

NEIC 13 16:58:14.5-0.2, 14.72S; 0.01:176:17W; 0.01, h18km, 1km, MW4, 9/95, Moment Tensor Solution. s26,c35; s95,c138; Duration: 0 Moment tensor: Scale 1019Nm; Mir-0.61t; 11;

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YUK, JKH, JRA, JNSB, JNK, KUR, etc.

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

CATAC 13 19:00:48.0, 5.9, 32N, 84.63W, h2km, 3km, ML3.7, Hypocentre not reviewed by the ISC

UCR 13 19:00:49.9, 0.7, 9.39N, 84.64W, h15km, 4km, MW3.8, Costa Rica

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

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

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

MORN AI O del Volcan 2.36 335 i P 19 01 31.1

ASPAC 2.200m, 1.0s Las Esperanzas 2.81 7 i P 19 01 34.0 -0.3

UCR 13 19:00:49.5, 3.0, 3.14S, 130.96E, h0km, mb3.73, mbmp3.6/4, ML2.8/1, Error ellipse: s-maj=140.8km s-min=27.0km az=67.0

DJA 13 19:00:53.2, 0.3, 3.14S, 130.96E, h10km, M3.4/10, MLV3.4/10

ISC 13 19:00:52.7, 0.8, 3.38S, 0.06:130.12E:0.06, h10km, n11, s178/13, Seram

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

ISC 13 19:13:47.2:84.0, 52.76N:5.20E, h0km, Error ellipse: s-maj=373.4km s-min=150.5km az=104.0, The Netherlands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I31KZ, I46RU, etc.

NOU 13 19:25:07.8, 21.42S:169.45E, h0km, MLV4.4/8, Southeast of Loyalty Islands

IDC 13 19:25:16.1:3.4, 21.85S:168.78E, h0km, mb3.7/2, mbmp3.8/3, ML3.8/1, MS2.3/1, Error ellipse: s-maj=162.8km s-min=34.6km az=162.0

ISC 13 19:25:17.2:2.21S:55.00E:0.2, h10km, n12, s065/13, Loyalty Islands

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

NEIC 13 19:31:29.36:63N:121.24W, h6km

NEIC 13 19:31:29.36:63N:121.24W, h12km

NEIC 13 19:31:29.36:63N:121.24W, h8km, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mrr0.31; Mss-0.96; Mss-0.85; Mss-2.80; Mss-0.62; Mss-0.43; Fault plane solution: Mw28000x10^15 NP1: s137.99000, s80.76000, lambda-167.11000. NP2: s45.89000, s77.28000, lambda-9.48000. Principal axes: T 8.6896, Plg2.0000; Azm27.0000; N 1.0800, Plg74.0000; Azm173.0000; P -9.7896, Plg16.0000; Azm2.0000

IDC 13 19:31:29.36:63N:121.24W, h0km, mb4.1/8, mbmp4.1/4, ML3.6/5, MS4.0/61 Error ellipse: s-maj=11.0km s-min=8.3km az=58.0

NCEDC 13 19:31:29.1:2.4, 36:63N:0.02:121.24W:0.03, h6km, 4km, Mw4.6/6, mb4.7/27(NEIC), ML4.3/104(NEIC), Mw4.6/73(NEIC), Mw4.6/24(NEIC), Error ellipse: s-maj=4.0km s-min=2.0km az=48.0

NEIC 13 19:31:29.2:1.8, 36:59N:0.02:121.30W:0.03, h17km, 2km, Error ellipse: s-maj=3.5km s-min=2.7km az=69.0, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mrr-1.63; Mss-7.36; Mss-8.99; Mss-2.25; Mss-0.53; Mrr1.36; Fault plane solution: Mw72000x10^15 NP1: s317.97000, s80.76000, lambda-171.74000. NP2: s225.27000, s82.20000, lambda-19.20000. Principal axes: T 9.2032, Plg8.0000; Azm273.0000; N -1.0611, Plg69.0000; Azm24.0000; P -8.1420, Plg19.0000; Azm180.0000

NEIC 13 19:31:29.36:63N:121.24W, h12km, Moment Tensor Solution. Duration: 1st Moment tensor: Scale 10^19Nm; Mrr-0.09; Mss-1.08; Mss-1.17; Mss-0.05; Mss-0.06; Mss-0.25; Fault plane solution: Mw1.5000x10^16 NP1: s133.15000, s84.26000, lambda170.24000. NP2: s224.13000, s80.29000, lambda5.82000. Principal axes: T 1.2161, Plg11.0000; Azm58.0000; N -0.1363, Plg73.0000; Azm283.0000; P -1.0798, Plg3.0000; Azm173.0000

NEIC 13 19:31:29.36:63N:121.24W, h6km ANF 13 19:31:31.7:1.4, 36:64N:121.16W, h20km, 12km, ML4.5/33, Error ellipse: s-maj=7.9km s-min=5.4km az=80.0

GCMT 13 19:31:32.0:0.4, 36:67N:0.02:121.31W:0.03, h15km, 2km, MW4.7/4, Moment Tensor Solution. s2.c13; s74.c92; Duration: 0 Moment tensor: Scale 10^19Nm; Mrr0.03s.07; Mss-1.38s.07; Mss-1.35s.07; Mss-0.06s.13; Mss-0.15s.06; Mss-0.06s.12; Best double couple: Mw1.37600x10^16 BSMN NP1: s42.0000, s80.0000, lambda-3.00000. NP2: s132.0000, s87.0000, lambda-180.0000. Principal axes: T 1.3600, Plg2.0000; Azm87.0000; N 0.0290, Plg87.0000; Azm221.0000; P -1.3910, Plg2.0000; Azm357.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 13 19:31:29.2:0.8, 36:62N:0.02:121.27W:0.02, h10km, 5km, n413, s132/356, mb4.6/23, MS4.0/54, Central California

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

Table with multiple columns containing station call letters, names, coordinates, and other technical details. The table is organized into several vertical sections, with station names and call letters in the leftmost column, followed by various alphanumeric codes and numerical values.

Table with columns: IRAZ, Razeghan, 3.06 73 Pn Pn, 20 39 58.4 +0.6, etc.

Table with columns: WRA, Warramunga Arr, 42.16 267 P P, 21 01 29.6 -0.1, etc.

Table with columns: IML, Ismayilli, 6.47 18 P P, 20 58 05.0 +1.3, etc.

ISN 13 20:45:44.2.0.3, 34.57N:45.81E, h6km, 2km, ML2.6

NAO 13 20:56:20.4.0.3, 33.70N:46.36E, h33km, mb3.7

ISN 13 20:51:42.1.1.2, 34.66N:45.66E, h13km, 11km, ML3.8

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

ISN 13 20:51:42.1.1.2, 34.61N:45.74E, h8km, 44km, ML3.8

GIL 13 20:57:10.5.0.1, 34.00N:45.74E, h2km

ISN 13 20:51:43.3.1.4, 34.60N:45.78E, h7km, 11km, ML3.8

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

ISN 13 20:51:42.1.1.2, 34.61N:45.74E, h8km, 44km, ML3.8

IKOM Komasi, 1.50 106 Pg Pb, 20 52 11.6 +0.0

ISN 13 20:51:42.1.1.2, 34.61N:45.74E, h8km, 44km, ML3.8

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

IDC 13 20:54:22.0.2.5, 24.86S:179.85E, h510km, 24km, mb2.8/3

LKRN Lenkeran, Azer, 4.80 31 Pn Pn, 20 57 42.5 +1.8

ISN 13 20:54:23.5.0.8, 24.9S:179.9E, h1.5h37km, 14km

ISN 13 20:54:21.4.0.7, 24.91S:179.8E, h501km, n27

LKRN Lenkeran, Azer, 4.80 31 Pn Pn, 20 57 42.5 +1.8

ISN 13 20:54:21.4.0.7, 24.91S:179.8E, h501km, n27

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

NIL	Nilore	22.90	85	P	P	21 01 31.6	-0.6
NIL	comp=Z,9.4nm,0.8s			I	Amb	21 01 38.6	
NIL	Nilore	22.90	85	P	P	21 01 31.7	-0.6
NIL	comp=Z,9.0nm,0.8s			P	max		
PSZ	Piszkesteto	23.29	312	P	P	21 01 34.8	-1.4
PSZ	comp=Z,9.9nm,1.3s			I	Amb	21 01 38.9	
PSZ	Piszkesteto	23.29	312	P	P	21 01 34.8	-1.4
PSZ	comp=Z,10.0nm,1.3s			P	max		
ARU	Arti	23.52	18	P	P	21 01 35.4	-2.9
ARU	comp=Z,7.3nm,1.0s			I	Amb	21 01 49.3	
ARU	Arti	23.52	18	P	P	21 01 43.3	+5.0
OJC	Ojcow	24.41	317	P	P	21 01 46.6	-0.2
OJC	comp=Z,10nm,1.2s			I	Amb	21 01 53.2	
OJC	Ojcow	24.41	317	P	P	21 01 46.6	-0.2
OJC	comp=Z,11nm,1.2s			P	max		
NRN	Naryn	24.81	65	P	P	21 01 51.9	+1.0
NRN	comp=Z,4.3nm,1.0s			I	Amb	21 01 58.7	
NRN	Naryn	24.81	65	P	P	21 01 51.9	+1.0
NRN	comp=Z,4.0nm,1.0s			P	max		
BOOM	Boomsokoye usch	24.90	63	P	P	21 01 51.7	+0.2
BOOM	comp=Z,4.2nm,0.8s			I	Amb	21 02 04.6	
BOOM	Boomsokoye usch	24.90	63	P	P	21 01 51.7	+0.2
BOOM	comp=Z,4.0nm,0.8s			P	max		
SUW	Suwalki	24.94	328	P	P	21 01 50.8	-0.7
SUW	comp=Z,4.0nm,0.8s			I	Amb	21 01 50.8	-0.7
SUW	Suwalki	24.94	328	P	P	21 01 50.8	-0.7
SUW	comp=Z,5.3nm,1.0s			P	max		
JAVC	Velka Javorina	25.02	313	eP	P	21 01 55.1	+2.7
MAUC	Maruska	25.14	314	eP	P	21 01 55.3	+1.8
BRVK	Borovyoe	25.40	36	P	P	21 01 55.8	+0.1
BRVK	comp=Z,2.0nm,0.8s			P	max		
BRVK	Borovyoe	25.40	36	P	P	21 01 55.8	+0.1
BRVK	comp=Z,2.0nm,0.8s			P	max		
BVAR	Borovyoe Array	25.43	36	P	P	21 01 56.0	0.0
BVAR	comp=Z,0.8nm,0.5s,baz=25,slow=4.3,SNR=4.0			LR	LR	21 13 26.0	
BVAR	Borovyoe Array	25.43	36	P	P	21 01 56.0	0.0
BVAR	comp=Z,5.0nm,19.4s,baz=289,slow=40						
MORC	Moravsky Berou	25.49	315	P	P	21 01 56.4	-0.2
MORC	comp=Z,0.8nm,0.5s			I	Amb	21 01 59.9	
MORC	Moravsky Berou	25.49	315	eP	P	21 01 57.1	+0.5
MORC	comp=Z,6.8nm,1.2s			P	max		
MORC	Moravsky Berou	25.49	315	P	P	21 01 56.4	-0.2
MORC	comp=Z,7.0nm,1.2s			P	max		
VRAC	Vranov	25.85	313	eP	P	21 02 00.9	+1.0
KRUC	Kralicky	26.05	315	eP	P	21 02 02.2	+0.4
KRUC	comp=Z,1.1nm,0.5s			P	max		
KRUC	Kralicky	26.05	315	eP	P	21 02 02.2	+0.4
KRUC	comp=Z,1.1nm,0.5s			P	max		
DLC	Dobruska-Polom	26.45	315	eP	P	21 02 05.5	+0.2
DLC	comp=Z,1.1nm,0.5s			P	max		
DLC	Dobruska-Polom	26.45	315	eP	P	21 02 05.5	+0.2
DLC	comp=Z,1.1nm,0.5s			P	max		
OSTC	Ostias	26.60	316	eP	P	21 02 06.9	+0.3
OSTC	comp=Z,1.1nm,0.5s			P	max		
OSTC	Ostias	26.60	316	eP	P	21 02 06.9	+0.3
OSTC	comp=Z,1.1nm,0.5s			P	max		
CHVC	Chvalec	26.70	316	eP	P	21 02 07.9	+0.3
CHVC	comp=Z,1.1nm,0.5s			P	max		
CHVC	Chvalec	26.70	316	eP	P	21 02 07.9	+0.3
CHVC	comp=Z,1.1nm,0.5s			P	max		
GERES	GERESS Array B	27.46	311	P	P	21 02 13.7	-0.8
GERES	comp=Z,0.7nm,0.7s,baz=25,slow=6.9,SNR=3.6						
GERES	GERESS Array B	27.46	311	P	P	21 02 14.0	-0.5
GERES	comp=Z,0.7nm,0.7s						
KURBB	Kurchatov Arra	28.72	46	P	P	21 02 26.8	+1.2
KURBB	comp=Z,2.8nm,1.0s,baz=25,slow=9.5,SNR=7.3						
KURBB	Kurchatov Arra	28.72	46	P	P	21 02 26.8	+1.2
KURBB	comp=Z,2.8nm,1.0s						
KURK	Kurchatov	28.81	46	P	P	21 02 27.1	+0.7
KURK	comp=Z,4.4nm,1.1s			I	Amb	21 02 32.9	
KURK	Kurchatov	28.81	46	P	P	21 02 27.1	+0.7
KURK	comp=Z,4.4nm,1.1s			P	max		
FINES	FINESS Array B	29.57	341	P	P	21 02 32.1	-0.9
FINES	comp=Z,1.1nm,0.5s,baz=147,slow=10,SNR=14						
FINES	FINESS Array B	29.57	341	P	P	21 02 32.1	-0.9
FINES	comp=Z,1.1nm,0.5s						
MKAR	Makanchi Array	30.08	55	P	P	21 02 37.9	+0.2
MKAR	comp=Z,1.1nm,0.5s,baz=104,slow=9.3						
MKAR	Makanchi Array	30.08	55	P	P	21 02 37.9	+0.2
MKAR	comp=Z,1.1nm,0.5s						
MKAR	Makanchi Array	30.08	55	P	P	21 02 38.0	+0.2
MKAR	comp=Z,1.5nm,0.8s,baz=25,slow=7.2,SNR=3.7						
MKAR	Makanchi Array	30.08	55	P	P	21 02 38.0	+0.2
MKAR	comp=Z,1.5nm,0.8s						
HFS	Hagfors	32.82	331	P	P	21 03 01.5	-0.2
HFS	comp=Z,6.1nm,0.3s,baz=124,slow=8.0,SNR=90						
HFS	Hagfors	32.82	331	P	P	21 03 01.5	-0.2
HFS	comp=Z,6.1nm,0.3s						
ZAAO	Zalesovo Array	33.49	43	P	P	21 03 05.3	-2.2
ZAAO	comp=Z,6.1nm,0.3s						
ZAAO	Zalesovo Array	33.49	43	P	P	21 03 05.3	-2.2
ZAAO	comp=Z,6.1nm,0.3s						
ZALV	Zalesovo Beam	33.49	43	P	P	21 03 08.2	+0.6
ZALV	comp=Z,0.5nm,0.5s,baz=243,slow=7.9,SNR=4.9						
ZALV	Zalesovo Beam	33.49	43	P	P	21 03 08.2	+0.6
ZALV	comp=Z,0.5nm,0.5s						
ZALV	Zalesovo Beam	33.49	43	P	P	21 03 08.2	+0.6
ZALV	comp=Z,0.5nm,0.5s						
NB2	NORSAR Subarra	34.35	331	P	P	21 03 13.5	-1.5
NB2	comp=Z,0.5nm,0.5s						
NB2	NORSAR Subarra	34.35	331	P	P	21 03 13.5	-1.5
NB2	comp=Z,0.5nm,0.5s						
NOA	NORSAR Array B	34.35	331	P	P	21 03 13.9	-1.0
NOA	comp=Z,1.6nm,0.8s,baz=126,slow=8.9,SNR=5.2						
NOA	NORSAR Array B	34.35	331	P	P	21 03 13.9	-1.0
NOA	comp=Z,1.6nm,0.8s						
ARCES	ARCCESS Array B	36.66	348	P	P	21 03 34.2	-0.6
ARCES	comp=Z,2.2nm,0.8s,baz=161,slow=9.5,SNR=7.8						
ARCES	ARCCESS Array B	36.66	348	P	P	21 03 34.2	-0.6
ARCES	comp=Z,2.2nm,0.8s						
EKA	Eskdalemuir Arr	39.18	317	P	P	21 03 55.6	-0.5
EKA	comp=Z,0.2nm,0.2s,baz=106,slow=9.1,SNR=2.2						
EKA	Eskdalemuir Arr	39.18	317	P	P	21 03 55.6	-0.5
EKA	comp=Z,0.2nm,0.2s						
ESDC	Sonsec Array	39.40	292	P	P	21 03 58.0	-0.3
ESDC	comp=Z,0.8nm,0.9s,baz=75,slow=6.3,SNR=2.7						
ESDC	Sonsec Array	39.40	292	P	P	21 03 58.0	-0.3
ESDC	comp=Z,0.8nm,0.9s						
TOAO	Torodi Arr. Sit	45.03	253	P	P	21 04 43.8	-0.6
TOAO	comp=Z,6.2nm,1.4s			I	Amb	21 05 01.1	
TOAO	Torodi Arr. Sit	45.03	253	P	P	21 04 43.8	-0.6
TOAO	comp=Z,6.2nm,1.4s						
TORD	Torodi Arr. Bea	45.03	253	P	P	21 04 43.9	-0.5
TORD	comp=Z,1.1nm,1.0s,baz=142,slow=7.2,SNR=2.3						
TORD	Torodi Arr. Bea	45.03	253	P	P	21 04 43.9	-0.5
TORD	comp=Z,1.1nm,1.0s						
TORD	Torodi Arr. Bea	45.03	253	P	P	21 04 49.1	-0.2
TORD	comp=Z,2.1nm,1.1s,baz=160,slow=7.2,SNR=4.5						
TORD	Torodi Arr. Bea	45.03	253	P	P	21 04 49.1	-0.2
TORD	comp=Z,2.1nm,1.1s						
SPB2	Spitsbergen Arr	45.39	352	P	P	21 04 46.4	-0.1
SPB2	comp=Z,1.1nm,1.0s,baz=142,slow=7.2,SNR=2.3						
SPB2	Spitsbergen Arr	45.39	352	P	P	21 04 46.9	+0.4
SPB2	comp=Z,1.1nm,1.0s						
SPB2	Spitsbergen Arr	45.39	352	P	P	21 04 46.1	-0.5
SPB2	comp=Z,1.1nm,1.0s						
SPB2	Spitsbergen Arr	45.39	352	P	P	21 05 07.9	-2.0
SPB2	comp=Z,1.0nm,0.7s,baz=298,slow=8.2,SNR=12						
SPB2	Spitsbergen Arr	45.39	352	P	P	21 05 07.9	-2.0
SPB2	comp=Z,1.0nm,0.7s						
TIXI	Tiksi	55.43	22	P	P	21 06 02.8	+0.4
TIXI	comp=Z,5.1nm,1.1s			I	Amb	21 06 05.9	
TIXI	Tiksi	55.43	22	P	P	21 06 02.8	+0.4
TIXI	comp=Z,5.1nm,1.1s			P	max		
TULEG	Thule	61.94	346	P	P	21 06 49.3	+1.7
TULEG	comp=Z,5.0nm,1.2s			P	max		
TULEG	Thule	61.94	346	P	P	21 06 49.3	+1.7
TULEG	comp=Z,5.0nm,1.2s			P	max		
KSR5	Korea Array	64.52	61	P	P	21 07 04.5	-0.8
KSR5	comp=Z,1.5nm,0.8s,baz=294,slow=7.5,SNR=3.4						
KSR5	Korea Array	64.52	61	P	P	21 07 04.5	-0.8
KSR5	comp=Z,1.5nm,0.8s						
NACB	Ninganchiao	65.64	77	P	P	21 07 13.7	+0.8
NACB	comp=Z,1.5nm,0.8s						
NACB	Ninganchiao	65.64	77	P	P	21 07 14.3	+0.6
NACB	comp=Z,1.5nm,0.8s						
BOSA	Boshof	65.79	200	P	P	21 07 14.3	+0.6
BOSA	comp=Z,1.5nm,0.8s						
BOSA	Boshof	65.79	200	P	P	21 07 14.3	+0.6
BOSA	comp=Z,1.5nm,0.8s						
BOSA	Boshof	65.79	200	P	P	21 07 13.7	+0.1
BOSA	comp=Z,2.3nm,0.9s,baz=56,slow=7.3,SNR=1.6						

Table with columns: LIA, LPK, USAK, GELI, VER, YER, SIMA, KRBB, DAT, DAT, DAT, TAV, DNIZ, SMTH, SMTH, BAND, ERIC, TURN, KCTX, CAVK, RKY, ENEZ, ENEZ, SANT, SANT, ALN, RDO, RDO, RDO, EDRE, RZN, IDI, MMB, PLD, ELND, STP, LOZB, VTS, ICOR, TIRR, MLR, VOIR, MDVR, PLOR, VRI, DOPR, BZS, MAR, BURAR. Includes station names, coordinates, and time data.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for WRA, ASAR, and ILAR.

IDC 13 23:21.19.0.9.3, 38.93N x 105.13E, h0km, mb3.3/2, mbtm3.3/4, ML3.1/2, Error ellipse: s-maj=125.4km s-min=41.2km az=125.0, Western Nei Mongol

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for SONM, SONM, MKAR, ZALV, and KURBB.

NEIC 13 23:23.3.2.2.3, 11.6N:0.1x125.4E:0.2, h35km, 2km, mb4.5/7, Error ellipse: s-maj=33.8km s-min=19.7km az=255.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for DAV, BATI, CMAR, CMAR, WRA, ASAR, H1N1, H1N2, H1N3, BBOO, BBOO, ARMA, PEAOB, KOUNC, MK31, MK31, MKAR, KURK, KURK, KURBB, KKAR, BVAR, ABKAR, BMAR, FINES, AKASO.

IDC 13 22:06:55.1.4.5, 36.07N:71.28E, h108km, 32km, mb3.4/7, mbtm3.8/13, MS3.5/1, Error ellipse: s-maj=52.2km s-min=24.0km az=144.0

NNC 13 22:07:06.5.3.3, 36.98N:71.03E, h162km, 51km, mb3.1, mpv3.9, Error ellipse: s-maj=30.0km s-min=22.6km az=45.0

ISC 13 22:07:00.1.0.9, 36.49N:0.07-71.29E:0.09, h150km, n34, az=143, mb3.6/6, 5C-7D, Afganistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for AML, AML, EKS2, AAK, AAK, KK31, KBK, CHMS, USP, TKM2, TKM2, GYET, GYET, PYUN, MKAR, DANN, GKN, PKIN, PKI, GUN, KURBB, AB31, AB31, JBRN, BVAR, TAPN, AKTO, AKTO, AKTO, ZALV, ARU, FINES, ARCES, HFS, NOA, USRK, TORO.

IDC 13 23:36:00.3.9.3, 22.23S:66.41W, h284km, 66km, mb3.1/1, mbtm3.7/3, Error ellipse: s-maj=119.4km s-min=46.5km az=25.0

ISC 13 23:35:54.2.1.0, 22.271S:0.05x66.60W:0.05, h245km, n24, az=159/39, Jujuy Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for YJA, ZAP, LVC, FLA, PB09, PB09, AL09, PB15, PB15, PB06, PB06, PB01, PB01, PB07, PB07, PB04, PB04, FSA, PB08, PB08, GOO2, GOO2, PATCX, PATCX, GO01, GO01, HMBC, HMBC, TA01, TA01, PB14, PB14, PB14.

SJA 13 23:35:52.6.0.6, 22.61S:66.47W, h260km, 7km, ML3.5, MW3.7

IDC 13 23:36:00.3.9.3, 22.23S:66.41W, h284km, 66km, mb3.1/1, mbtm3.7/3, Error ellipse: s-maj=119.4km s-min=46.5km az=25.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for GURU, ISFB, ABEH, HVR, BLO, BLO, BLO, AGDM, AGDM, SAAT, GNI, GNI, GNI, GNI, ZRD, ZRD, IRAM, GANJ, GANJ, GDB, GDB, GDB, GBS, IML, KARS, ANAR, OZZ, OZZ, QBL, QBL, GGOB, POL, POL, SEKA, ATGJ, NDR, XNO, SIZA, QUBA, QUBA, QSAR, ARPR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for AC01, AC01, PB16, PB16, LPAZ, LPAZ, BDFB, TORO.

GII 14 00:06:32.9.0.0, 34.49N:46.52E, h8km, Mm4.2/5, IDC 14 00:06:34.9.0.7, 34.50N:45.76E, h0km, mb3.9/18, mbtm3.9/28, ML3.1/10, MS2.8/5, Error ellipse: s-maj=14.9km s-min=11.1km az=162.0, TEH 14 00:06:35.7, 34.57N:45.76E, h8km, 49km, ML4.0, NEIC 14 00:06:36.8.1.2, 34.57N:0.04x45.4E:0.1, h10km, 1km, mb4.2/27, Error ellipse: s-maj=15.9km s-min=6.3km az=105.0, AZER 14 00:06:36.8.0.6, 34.59N:45.41E, h10km, Error ellipse: s-maj=5.3km s-min=4.3km az=123.0, OMAN 14 00:06:44.4.0.3, 33.43N:45.63E, h10km, mb4.5/15, Error ellipse: s-maj=12.3km s-min=4.7km az=237.0, ISC 14 00:06:37.4.0.4, 34.47N:0.03x45.95E:0.03, h10km, n219, az=313/260, mb4.1/32, 7C-7D, Iran-iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for IDHR, IDHR, IGHG, IGHG, ILBA, KCHF, KCHF, IKOM, IKOM, IBZA, SD1, IKFM, HISAM, MAHS, HAGD, HSHR, IAZR, GSDN, IHRZ, ISRB, ITBZ, ISHB, JIRI, AHWZ, Heteris, SIRT, IQOM, IMRD, LHJ2, ORD, ORDB, IPIR, GEVA, JHAN, ASARA, QAMS, LRK, LRK, GRMI, Kermi, GARDASHT, ASTRA, ASTRA, NAX, NAX, ZNGN, IVRN, LKRN, LKRN, YRD, YRD, YRD, IKLH, SBZ, SBZ, SBZ, MZPU, MARD, QRD, QRD, QRD, QRD, IMDV, IBRJ, KRSH, GLBA, GLBA, GURU, ISFB, ABEH, HVR, BLO, BLO, BLO, AGDM, AGDM, SAAT, GNI, GNI, GNI, GNI, ZRD, ZRD, IRAM, GANJ, GANJ, GDB, GDB, GDB, GBS, IML, KARS, ANAR, OZZ, OZZ, QBL, QBL, GGOB, POL, POL, SEKA, ATGJ, NDR, XNO, SIZA, QUBA, QUBA, QSAR, ARPR.

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details. Includes stations like ASAF, ONI, KSHT, NATI, etc.

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details. Includes stations like KIEV, BURAR, BTK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like DZM, ONTC, KOUNC, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, SNR, etc. Includes stations like BOSA, PTBL, SIV, LBTB, HI052, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, SNR, etc. Includes stations like CTAO, KHZ, INZ, LTZ, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, SNR, etc. Includes stations like AKUT, CMAR, CMAR, etc.

NOU 14 00:24:53.6, 21:36S:168:75E, h0km, MLV5.0/11, Loyalty Islands
IDC 14 00:24:54.6, 0.5, 21:50S:168:65E, h0km, mb4.5/16, mbmp4.5/18, ML3.9/2, MS4.0/41, Error ellipse: s-maj=17.4km s-min=15.5km az=99.0
BGR 14 00:24:55.7, 21:57S:172:95E, h17km
NEIC 14 00:24:57.3, 1.5, 21:59S:0:06:168:43E:0:04, h10km, 1km, mb4.9/64, Mw4.7/14, Error ellipse: s-maj=11.3km s-min=5.4km az=201.0, Moment Tensor Solution.

AS31 Alice Springs 31.93 260 P P 00 31 22.3 +0.3
ASAR Alice Springs 31.93 260 P P 00 31 22.6 +0.0
ASAR Alice Springs 31.93 260 P P 00 31 23.4 +0.8
ASAR comp=2.17nm, 1.0s, baz=96, slow=2.8, SNR=5.5
ASAR comp=2.246nm, 20.4s, baz=94, slow=36

AKUT Akutan 78.55 15 P P 00 36 59.0 +1.4
CMAR Chiang Mai Arr 78.78 295 P P 00 37 01.0 +1.2
CMAR Chiang Mai Arr 78.78 295 P P 00 37 01.3 +1.5
KMI Kunming 78.87 303 pP 00 37 02.5 +2.1
KMI comp=2.16nm, 1.1s pmax pmax
CHTO Chiang Mai 78.95 295 P P 00 36 59.8 -0.9

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, SNR, etc. Includes stations like MARNC, LIFNC, PINNC, QUENC, DZM, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, SNR, etc. Includes stations like CTAO, KHZ, INZ, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, SNR, etc. Includes stations like AKUT, CMAR, CMAR, etc.

Code	Station Name	Δ°	AZ $^\circ$	Phase	ID	Time	Res	h	m	s	ISC
MOX	Moxa	145.72	334	ePKPbc	PKPab	00 44 35.7	0.0				
IBBN	Ibbenburen	145.84	339	ePKPbc	PKPbc	00 44 35.4	-0.2				
CKRC	Cesky Krumlov	145.85	339	ePKP	PKPdf	00 44 35.3	+0.1				
KHC	Kasperske Hory	145.97	320	ePKP	PKPdf	00 44 35.2	-0.3				
MANZ	Manzenberg	146.01	332	ePKPbc	PKPab	00 44 37.1	+0.3				
GE2C	GERESS Array S	146.12	330	ePKPbc	PKPab	00 44 37.5	+0.1				
GERES	GERESS Array B	146.12	330	ePKPbc	PKPbc	00 44 36.7	-0.1				
ROTZ	Rotzenmühle	146.13	332	ePKPbc	PKPab	00 44 37.5	+0.2				
UBBA	Unterbreizbach	146.24	335	ePKPbc	PKPab	00 44 37.2	-0.2				
WET	Wetzell	146.29	331	ePKPbc	PKPab	00 44 37.8	-0.1				
KASTN	Kahler Asten	146.53	337	ePKPbc	PKPbc	00 44 37.4	-0.4				
KASTN	Molln	146.53	328	ePKP	ePKPbc	00 44 42.3	-0.5				
MOA	Molin	146.61	333	ePKPbc	PKPbc	00 44 38.8	-0.1				
GRF	Grafenberg Arr	146.61	333	ePKPbc	PKPbc	00 44 38.5	+0.4				
TNS	Taunus Mts	147.31	336	ePKPbc	PKPbc	00 44 40.1	0.0				
KBA	Koelnbreinsp	147.52	328	ePKP	PKPbc	00 44 40.4	-0.5				
LESA	Schwarzleotol	147.60	329	iPKP	PKPbc	00 44 41.0	0.0				
MYKA	Terra Mystica	147.67	327	ePKP	PKPbc	00 44 40.8	-0.4				
FUR	Furstenfeldbru	147.73	331	ePKPbc	PKPbc	00 44 41.6	+0.4				
FUR	Tennel	147.84	339	ePKPbc	sPKPdf	00 44 46.8	-0.3				
MEM	Membach	147.88	339	dPKP	PKPbc	00 44 41.4	0.0				
BSTI	Sart Tilman	148.03	339	dPKP	PKPbc	00 44 42.1	0.0				
BHOH	Houvegneg	148.08	339	dPKP	PKPbc	00 44 42.6	+0.5				
ABTA	Abfallersbach	148.18	328	ePKP	PKPbc	00 44 41.9	-0.6				
WATA	Waldertm	148.19	330	iPKP	PKPbc	00 44 42.6	-0.1				
WTTA	Wattenberg	148.22	329	iPKP	PKPbc	00 44 43.2	+0.4				
BCLA	Clavier	148.28	339	dPKP	PKPbc	00 44 42.6	0.0				
BGES	Gesves	148.38	340	dPKP	PKPbc	00 44 42.1	-0.7				
MOTA	Moosalm	148.41	330	ePKP	PKPbc	00 44 43.1	+0.1				
SQTA	Sankt Quirin	148.45	330	ePKP	PKPbc	00 44 43.6	+0.3				
RETA	Reutte	148.46	331	ePKP	PKPbc	00 44 43.6	+0.3				
RCHB	Rochefort	148.51	339	dPKP	PKPbc	00 44 43.0	-0.2				
EMRD	Maredsous	148.53	340	dPKP	PKPbc	00 44 42.3	-1.0				
WLF	Walderdange	148.61	338	dPKP	PKPbc	00 44 44.2	+0.7				
WLF	Walderdange	148.61	338	ePKPbc	PKPbc	00 44 43.9	+0.4				
UBR	Ueberrohr	148.61	331	ePKPbc	PKPbc	00 44 44.0	+0.3				
DOU	Dourbes	148.77	340	dPKP	PKPbc	00 44 44.0	+0.1				
FETA	Feichten	148.82	330	ePKP	PKPbc	00 44 44.8	+0.5				
BFO	Black Forest	148.87	334	ePKPbc	PKPbc	00 44 44.3	+0.1				
DVA	Damuels	149.01	331	ePKP	PKPbc	00 44 45.2	+0.4				
ESDC	Sonsec Array	160.78	342	PKPab	PKPab	00 45 38.5	-0.5				
TORD	Tordif Ar Bea	164.87	239	PKP	PKPdf	00 44 59.6	-1.9				
TORD	Cessi	164.87	239	PKP	PKPab	00 45 56.6	-1.0				

NEIC 14 00:30:06.7.1.7.21.45S:0.05:168:87E:0.06, h10km, 2km, mb4.5/6, Error ellipse: s-maj=10.3km s-min=8.1km az=121.0
 IDC 14 00:30:09.0.8.0.21.53S:168:59E, h0km, mb4.0/10, mbtmp4.0/11, ML3.6/1, Error ellipse: s-maj=23.7km s-min=20.3km az=156.0
 NOU 14 00:30:09.3.21.59S:168:69E, h0km, MLV3.7/6, Loyalty Islands

Code	Station Name	Δ°	AZ $^\circ$	Phase	ID	Time	Res	h	m	s	ISC
MARNC	Mare, Loyalty	0.51	268	P	Pb	00 30 21.2	-0.7				
MARNC	Mare, Loyalty	0.51	268	P	Pb	00 30 21.4	-0.5				
LIFNC	LIFOU	1.42	298	Pn	Pn	00 30 35.3	-1.0				
PINNC	Pines Island, N	1.55	222	P	Pn	00 30 37.2	-0.9				
PINNC	Pines Island, N	1.55	222	P	Pn	00 30 37.2	-0.9				
OUCNC	Ouen Island, N	1.87	239	P	Pn	00 30 41.9	-0.6				
OUCNC	Ouen Island, N	1.87	239	P	Pn	00 30 42.6	+0.1				
DZM	Mont Dzumac	2.07	253	Pn	Pn	00 30 44.7	-0.7				
DZM	Mont Dzumac	2.07	253	Pn	Pn	00 30 45.8	+0.4				
DZM	Mont Dzumac	2.07	253	Pn	Pn	00 30 46.0	+0.6				
DZM	18nm, 0.3s, baz=121, slow=19, SNR=9.3				Sn	00 31 12.3	+1.6				
ONTNC	Ouen Toro	2.14	247	P	Pn	00 30 46.2	0.0				
ONTNC	Ouen Toro	2.14	247	P	Pn	00 30 47.2	+1.0				
NOUC	Port Laguerre	2.21	253	P	Pn	00 30 48.0	+0.9				
KOUNC	Koumac, New Ca	4.11	122	Pn	Pn	00 31 13.3	0.0				
RAO	Raoul Island	14.45	185	Pn	Pn	00 33 35.3	+0.2				
ARMA	Armidade	17.64	236	P	P	00 34 18.2	+1.0				
ARMA	157nm, 0.3s, baz=144, slow=18, SNR=13				IAMB	00 34 36.8					
STKA	Stevens Creek	26.18	241	P	P	00 35 45.8	+0.9				
WB2	Warramunga Arr	32.02	266	P	P	00 36 32.9	-4.0				
WB2	104nm, 0.3s, baz=19, slow=22, SNR=5.8				IAMB	00 36 43.6					
WRA	Warramunga Arr	32.03	266	P	P	00 36 36.4	-0.6				
WRA	Warramunga Arr	32.03	266	P	P	00 36 36.3	-0.8				
ASAR	Alice Springs	32.05	259	P	P	00 36 37.4	+0.1				
MTN	Manton Dam	36.72	277	P	P	00 37 17.6	-0.1				
MTN	17nm, 0.5s, baz=144, slow=18, SNR=13				IAMB	00 37 20.4					
FORT	Forrest	37.38	247	P	P	00 37 20.8	-2.4				
KNRA	Kunururra	38.10	272	P	P	00 37 28.4	-1.1				
KNRA	comp=Z, 1.1nm, 1.2s				IAMB	00 37 34.0					
VNDA	Vanda	56.20	182	P	P	00 39 50.4	+0.7				
QSPA	South Pole Qui	66.60	180	P	P	00 41 13.1	+0.1				
PETK	Petrovavlovsk	74.86	353	P	P	00 41 52.8	+2.4				
CMAR	Chiang Mai Arr	78.86	295	P	P	00 42 15.8	+2.0				
TROLL	Troll, Antartic	86.28	184	P	P	00 42 51.9	+0.1				
SNAA	Sanae	86.92	183	P	P	00 42 54.2	-0.6				
VNA3	Neumayer Olymp	87.53	181	P	P	00 42 57.3	-0.4				
SONM	Songino Array	88.62	323	P	P	00 43 02.9	-0.4				
ILAR	Eielson Array	92.53	18	P	P	00 43 21.0	+0.1				
ARCES	ARCES Array B	127.05	345	PKP	PKPdf	00 49 13.1	-0.5				
CLL	Collin	144.64	333	iPKPbc	PKPbc	00 49 42.4	-2.8				
EKA	Eskdalemyr Arr	145.62	352	ePKPbc	PKPbc	00 49 48.5	-0.2				
GERES	GERESS Array B	146.12	330	ePKPbc	PKPbc	00 49 51.1	+0.2				

Code	Station Name	Δ°	AZ $^\circ$	Phase	ID	Time	Res	h	m	s	ISC
MARNC	Mare, Loyalty	0.70	267	P	Pb	00 35 45.7	+1.1				
LIFNC	LIFOU	1.54	292	P	Pb	00 35 59.8	-1.2				
PINNC	Pines Island, N	1.76	224	P	Pn	00 36 01.8	+0.3				
OUCNC	Ouen Island, N	2.08	239	P	Pn	00 36 07.0	+1.0				
DZM	Mont Dzumac	2.28	251	Pn	Pn	00 36 09.7	+0.9				
DZM	2.2nm, 0.3s, baz=107, slow=19, SNR=20				Sn	00 36 09.7	+0.9				
DZM	75nm, 0.3s, baz=128, slow=23, SNR=6.9				Sn	00 36 36.3	+0.2				
ONTNC	Ouen Toro	2.35	246	P	Pn	00 36 10.8	+1.0				
NOUC	Port Laguerre	2.42	252	P	Pn	00 36 11.6	+1.0				
STKA	Stevens Creek	26.39	241	P	P	00 41 03.7	-3.4				
WRA	Warramunga Arr	32.22	266	P	P	00 42 00.6	+1.6				
ASAR	Alice Springs	32.25	259	P	P	00 42 01.4	+2.1				
ROM	ROM 14 00:42:11.0.0.0, 42.921N:0.003:13.161E:0.0003, h12km, ML1.0/2, Error ellipse: s-maj=0.3km s-min=0.1km az=206.0, Central Italy										
MC2	Monte Cornacci	0.02	110	P	Pg	00 42 13.5	+0.1				
FDMO	Fjordimonte	0.13	335	P	Sg	00 42 15.5	0.0				
FDMO	1.1nm, 0.5s, baz=82, slow=2.5, SNR=18				Sg	00 42 14.6	+0.4				
FDMO	2.1nm, 0.8s, baz=102, slow=7.6, SNR=9.2				AML	00 42 17.1	+0.5				
T1214	Arquata del T.	0.17	168	P	Pg	00 42 15.2	+0.4				
T1214	1.9nm, 1.0s, baz=94, slow=9.3, SNR=7.2				Sg	00 42 18.0	+0.3				
CSF1	Cessapalombo	0.17	11	P	Pg	00 42 15.5	+0.5				
CESI	CESI - Serrava	0.21	294	S	Sg	00 42 19.6	+1.0				
CESI	1.8nm, 1.0s, baz=94, slow=9.3, SNR=7.2				AML	00 42 19.6	+1.0				
T1221	Campello sul C.	0.24	255	P	Pg	00 42 16.5	+0.5				
T1221	1.8nm, 1.0s, baz=94, slow=9.3, SNR=7.2				Sg	00 42 20.5	+1.0				

14d 1h

2017 NOV

950

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KIV Kislovodsk, ZFRI Zfiri, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like AKBB Malin Array Si, KIEV Kiev, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PABE Paberze, ARSA Arzberg, and many others.

ISC 14 01:18:00.1-0.9, 7.92S, 0.06e, 117.34E, 0.05, h35km, n15, c=179/18, mb3.7/5, Bali Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TWSI Tailiawang, Sumb, PLAMPANG Plampang, SRBI Singaraja, etc.

ASN 14 01:22:16.6-0.7, 33.84N, 47.67E, h11km, 10km, ML2.9

TEH 14 01:22:17.4, 33.86N, 47.65E, h9km, ML2.7

ISC 14 01:22:16.9, 33.88N, 0.04, 47.66E, 0.04, h2km, 13km, n11, c=0564/17, Western Iran

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IKOM Komasi, IKOM Kafar-mosallman, IBZA Bozab, etc.

IDC 14 01:28:24.0-1.7, 7.64S, 148.56E, h0km, mb3.4/2, mbmtpp3.3/4, ML3.2/1, MS2.9/1, Error ellipse: s-maj=64.6km s-min=23.2km az=125.0, Eastern New Guinea region

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

ISC 14 01:29:10.9-1.0, 33.88N, 47.69E, h10km, 61km, ML2.8

TEH 14 01:29:12.1, 33.88N, 47.68E, h10km, ML2.6

ISC 14 01:29:11.6-1.1, 34.00N, 0.05, 47.82E, 0.06, h10km, n9, c=0569/13, Western Iran

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IKOM Komasi, IKOM Kafar-mosallman, IBZA Bozab, etc.

NAO 14 01:45:35.5, 32.61N, 46.17E, h33km, mb4.1

Gil 14 01:45:37.2-0.0, 34.54N, 46.99E, h10km, Mm4.9/4

ISC 14 01:45:45.8, 1.2, 34.51N, 45.81E, h8km, 12km, ML4.1

IDC 14 01:45:47.3-0.7, 34.55N, 45.70E, h0km, mb4.1/22, mbmp4.0/34, ML3.6/11, MS3.5/37, Error ellipse: s-maj=13.8km s-min=10.0km az=152.0

MOS 14 01:45:47.5-1.5, 34.42N, 45.70E, h14km, mb4.4/24, Error ellipse: s-maj=8.2km s-min=3.6km az=103.7

TEH 14 01:45:47.1, 34.49N, 45.81E, h8km, 33km, ML4.1

NEIC 14 01:45:49.2-0.3, 34.51N, 45.47E, 0.03, h10km, 1km, mb4.3/44, Error ellipse: s-maj=6.8km s-min=3.8km az=159.0

AZER 14 01:45:49.5-0.4, 34.42N, 45.82E, h10km, Error ellipse: s-maj=5.6km s-min=3.4km az=91.0

OMAN 14 01:45:53.0, 1.8, 33.78N, 45.71E, h10km, mb4.2/17, Error ellipse: s-maj=35.5km s-min=11.9km az=32.0

AFAD 14 01:46:01.0-0.0, 35.63N, 45.59E, h22km, 22km, MW4.5

ISC 14 01:45:48.2-0.6, 34.46N, 0.02, 45.82E, 0.02, h8km, 5km, n430, c=2534/447, mb4.4/69, MS3.5/28, 43C-3D, Iran-Iraq border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IDHR Dehrasht, IHGH Ghaleghazi, ILBA Ilam Banvizeh, etc.

BHD Baghdad 1.69 226 ePn Pp 01 46 18.0 -1.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BHD Baghdad, IBZA Bozab, IKFM Kafar-mosallman, etc.

ORD AKDM Akdamar-Van 4.49 330 S Sn 01 47 51.7 +3.2

YANB Van 4.57 335 P Pn 01 46 57.7 +0.9

IPIR Pirpir 4.57 311 Pn Pn 01 47 00.6 +2.4

GAST Astara - Iran 4.62 311 Pn Pn 01 47 00.9 +2.6

JHBN Heris 4.62 117 Pn Pn 01 47 00.6 +1.9

MIDY Mardin/Midyat- 4.64 311 S Sn 01 47 52.8 0.0

LRK Leran SNR=10 4.64 25 P Pn 01 47 00.2 +1.4

LRK Germi 4.65 20 Pn Pn 01 47 55.4 +2.3

QAMS Qamsar 4.68 97 Pn Pn 01 47 02.4 +2.9

NAX Nakhchivan SNR=3.3 4.71 357 P Pn 01 47 01.9 +2.1

NAX Nakhchivan SNR=3.3 4.71 357 P Pn 01 47 57.9 +3.2

ASTR Astara SNR=17 4.74 29 P Pn 01 47 01.6 +1.5

ZNGN Zangian 4.82 118 Pn Pn 01 47 03.6 +2.3

YRD Yardiim SNR=9.2 4.86 23 P Pn 01 47 03.2 +1.4

YRD Lenkeran, Azer SNR=20 4.87 28 S Sn 01 48 00.8 +2.5

LRKN Lenkeran, Azer SNR=20 4.87 28 S Sn 01 47 05.0 +3.3

LRKN Lenkeran, Azer SNR=20 4.87 28 S Sn 01 48 00.8 +2.6

LRKN Lenkeran, Azer SNR=20 4.87 28 S Sn 01 47 05.0 +3.3

VMUR Van-Muradiye 4.87 339 P Pn 01 47 03.9 +1.3

CLDR Clidran 4.92 342 P Pn 01 47 04.3 +1.6

CLDR Clidran 4.92 342 P Pn 01 47 06.0 -2.0

IKLH Kolahorud 4.92 102 Pn Pn 01 47 06.2 +3.5

SBZ Shahbuz SNR=18 4.94 358 P Pn 01 47 04.6 +1.8

SBZ Shahbuz SNR=18 4.94 358 P Pn 01 48 03.4 +3.2

BLIS Bitlis-Merkez 4.95 324 P Pn 01 47 03.1 0.0

MAKU Maku 4.97 350 Pn Pn 01 47 04.4 +1.0

MARD Mardin 4.99 306 Pn Pn 01 47 03.1 -0.4

MZPU Pul - Mazandar 5.09 366 Pn Pn 01 47 07.9 +2.8

GURD Guroymak-BITLI 5.10 324 P Pn 01 47 02.6 0.6

GURD Guroymak-BITLI 5.10 324 P Pn 01 47 05.2 +0.1

QRD Qoradiz SNR=9.3 5.14 13 P Pn 01 47 07.5 +2.1

GLBA Gilanabad SNR=34 5.20 23 P Sn 01 48 07.8 +2.9

GLBA Gilanabad SNR=34 5.20 23 P Sn 01 47 08.0 +1.7

IDMV Damavand 5.22 76 Pn Pn 01 48 09.5 +3.0

SVAN Silvan-Diyarba 5.25 316 Pn Pn 01 47 07.4 +2.5

SVAN Silvan-Diyarba 5.25 316 Pn Pn 01 47 09.3 +2.6

KRSH Karshahi 5.25 94 Pn Pn 01 47 10.1 +2.8

MAZI Mazidag 5.29 306 Pn Pn 01 47 09.6 +1.9

HYR Heyderabad SNR=5.4 5.31 352 P Sn 01 47 10.3 +2.5

HYR Heyderabad SNR=5.4 5.31 352 P Sn 01 48 12.5 +3.2

ISFB Sefidab 5.36 89 Pn Pn 01 47 09.8 +1.9

MLAZ Malazgirt-MUS 5.36 332 eP Pn 01 47 09.3 +0.6

BLQ Belyaqaan SNR=12 5.43 14 P Pn 01 47 11.3 +1.8

BLQ Belyaqaan SNR=12 5.43 14 P Pn 01 48 15.3 +3.0

DORK Agr/Tutak/Do 5.49 335 P Pn 01 47 08.8 +1.7

MUSM Mu-Serkez 5.49 322 P Pn 01 47 06.3 +4.1

AGRB Hanur-Agry 5.59 337 eP Pn 01 47 12.9 +1.1

AGDM Agdam SNR=11 5.73 10 P Pn 01 47 15.5 +1.8

AGDM Agdam SNR=11 5.73 10 P Pn 01 48 22.8 +3.1

GNI Garni 5.75 352 Pn Pn 01 47 15.5 +1.5

SEKA Sheki 6.83 9 P Pn 01 48 20.0 -0.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SEKA Sheki, ATGJ Altgajagh, XNJO Khinaliq, etc.

QUBA Quba, Azerbaj 7.20 16 P Sn 01 47 35.6 +1.7

QUBA Quba, Azerbaj 7.20 16 P Sn 01 48 59.0 +3.1

QUSAR Qusar 7.30 15 P Pn 01 47 36.9 +1.7

QUSAR Qusar 7.30 15 P Pn 01 49 01.3 +2.9

GAZ Gaziantep 7.50 294 Pn Pn 01 47 37.0 -0.9

ARPR Arapagit-MALATY 7.50 294 eP Pn 01 47 39.5 +0.3

ERZINC ERZINC-MALATY 7.58 310 Pn Pn 01 47 38.9 +0.7

ASF Jabal al Asfar 7.81 256 Pn Pn 01 47 41.9 -0.3

ASF Jabal al Asfar 7.81 256 Pn Pn 01 47 41.9 -0.3

ASF comp=Z, 0.9nm, 0.3s, baz=66, slow=8.7, SNR=3.3 7.81 256 Pn Pn 01 49 09.4 -1.5

ASF comp=Z, 1.8nm, 0.3s, baz=22, slow=19, SNR=1.7 7.81 256 Pn Pn 01 51 37.7

ASF comp=Z, 535nm, 18.7s, baz=92, slow=45 7.81 256 Pn Pn 01 48 50.1 +3.4

GUDG Gudauri 8.06 353 P Pn 01 47 50.5 +4.7

GUDG comp=Z, 13nm, 0.9s 8.06 353 P Pn 01 47 50.7 +1.3

ONI Oni 8.33 348 Pn Pn 01 47 50.7 +1.3

ONI Oni 8.33 348 Pn Pn 01 47 50.7 +1.3

HSUJ Al Zarqa 8.39 256 P Pn 01 48 35.2 +6.3

ZEI Tsey 8.45 350 eP Pn 01 47 54.7 +3.5

ZEI Tsey 8.45 350 eP Pn 01 47 54.7 +3.5

KSHT Keshet 8.47 263 Pn Pn 01 47 53.0 +1.7

KSHT Keshet 8.47 263 Pn Pn 01 49 39.9 +1.3

NATI Neve Ativ 8.47 265 Pn Pn 01 47 53.9 +2.7

NATI Neve Ativ 8.47 265 Pn Pn 01 49 39.9 +1.3

NATI Neve Ativ 8.47 265 Pn Pn 01 48 31.1 +0.7

MAK Makachalkala 8.59 86 Pn Pn 01 49 25.4 -4.5

MAK Makachalkala 8.59 86 Pn Pn 01 49 25.4 -4.5

MAK Makachalkala 8.59 86 Pn Pn 01 49 25.4 -4.5

MMAOB Mount Meron Ar 8.79 264 Pn Pn 01 47 58.0 +2.2

MMAOB Mount Meron Ar 8.79 264 Pn Pn 01 49 40.0 +1.3

MMAI Mount Meron Ar 8.79 264 Pn Pn 01 47 56.3 +0.5

MMAI comp=Z, 0.8nm, 0.3s, baz=79, slow=22, SNR=2.8 8.79 264 Pn Pn 01 50 24.3

MMAI comp=Z, 2.3nm, 0.3s, baz=65, slow=33, SNR=1.8 8.79 264 Pn Pn 01 50 24.3

MMAI comp=Z, 341nm, 18.3s, baz=48, slow=44 8.79 264 Pn Pn 01 52 07.4

MMAI comp=Z, 0.5nm, 0.3s 8.79 264 Pn Pn 01 52 07.4

MMCT Mount Meron Ar 8.80 264 Pn Pn 01 47 58.3 +2.4

SWQA Sawaqa 8.81 251 P Pn 01 48 36.7 -0.3

HMDT Nahal Hemdat 8.89 259 P Pn 01 48 41.2 +2.8

WALJ Wala 8.89 254 P Pn 01 48 39.2 +0.8

MMLI Mount Malkishu 8.92 260 Pn Pn 01 47 59.8 +2.4

MMLI Mount Malkishu 8.92 260 Pn Pn 01 49 50.6 +1.2

BLGI Bet Lehem HaGe 9.03 262 Pn Pn 01 48 01.7 +2.8

BLGI Bet Lehem HaGe 9.03 262 Pn Pn 01 49 53.4 +1.3

GHAJ Ghor Haditha 9.18 253 Pn Pn 01 48 00.2 -0.7

GHAJ Ghor Haditha 9.18 253 Pn Pn 01 48 01.5 +0.6

GHAJ Ghor Haditha 9.18 253 Pn Pn 01 48 02.5 +0.9

DSI Dead Sea 9.23 255 Pn Pn 01 48 57.3 +1.2

OFRI Ofer 9.23 262 Pn Pn 01 48 40.4 +2.3

OFRI Ofer 9.23 262 Pn Pn 01 49 58.1 +1.2

SLTI Salit 9.29 259 Pn Pn 01 48 05.0 +2.6

SLTI Salit 9.29 259 Pn Pn 01 48 59.9 +1.3

ILBA	Ilan Banvizeh	1.20 261	Pg	Pb	04 28 38.2	0.0
ILIN	Lien	1.23 333	Pg	Pb	04 28 36.9	-1.7
ILIN			Sg	Pb	04 28 54.7	+0.1
IDHR	Dehrah	1.35 311	Pg	Pn	04 28 39.2	-1.1
IDBR	Badrha	1.59 244	ePp	Pn	04 28 40.3	-0.4
IDOR			eSg	Pb	04 29 05.0	+0.2
IDBR			AML	AML	04 29 14.1	
IDBR	comp=N,6um,0.6s		AML	AML	04 29 19.4	
HAGD	Aghdash	1.60 51	Pg	Pn	04 28 43.3	-0.5
RAFI	Al-Rafai	2.45 212	ePn	Pn	04 28 56.0	+0.8
RAFI			eSn	Pn	04 29 26.0	+0.9
RAFI			AML	AML	04 29 50.4	
RAFI	comp=E,2um,0.5s		AML	AML	04 29 50.7	
IRAZ	comp=N,1um,0.4s					
IRAZ	Razeghan	2.47 50	Pn	Pn	04 28 58.4	+2.8
BHD	Baghdad	2.77 259	ePn	Pn	04 29 00.0	+0.4
BHD			eSn	Pn	04 29 34.0	+1.1
BHD			AML	AML	04 29 52.3	
BHD			AML	AML	04 29 52.3	
SDSI	Sardash. Az.	2.91 323	Pn	Pn	04 29 04.2	+2.4
IPIN	Pirpir	2.96 112	Pn	Pn	04 29 04.8	+2.5
GSDN	Sirdan	3.06 25	Pn	Pn	04 29 04.9	+2.5
JHEN	Jahan bin	3.00 121	Pn	Pn	04 29 05.1	+2.5
IQOM	Qom	3.02 69	Pn	Pn	04 29 05.5	+2.2
QAMS	Qamsar	3.14 91	Pn	Pn	04 29 07.6	+2.7
IKRK	Kirkuk	3.14 301	ePn	Pn	04 29 05.0	+0.3
IKRK			eSn	Pn	04 29 43.0	+1.0
IKRK			AML	AML	04 30 07.7	
IKRK	comp=N,770nm,0.6s		AML	AML	04 30 13.3	
ZNGN	Zangian	3.20 121	Pn	Pn	04 29 07.6	+1.8
IKLH	Kolahrood	3.33 98	Pn	Pn	04 29 09.9	+2.3
MAHB	Mahabad	3.33 332	Pn	Pn	04 29 09.2	+2.3
JIR1	Jirandeh	3.38 31	Pn	Pn	04 29 10.0	+1.8
IHSB	Hasanabad	3.41 61	Pn	Pn	04 29 10.8	+2.3
IHSB	Hashtrud	3.49 355	Pn	Pn	04 29 11.4	+1.6
IVRN	Varamin	3.58 70	Pn	Pn	04 29 13.1	+2.3
IBRJ	Grojan	3.60 121	Pn	Pn	04 29 14.2	+2.7
KRSH	Karshahi	3.75 87	Pn	Pn	04 29 16.1	+2.9
ISFB	Sefidab	3.86 81	Pn	Pn	04 29 16.5	+1.8
IGAR	Garnah	3.96 110	Pn	Pn	04 29 18.2	+1.9
ISRB	Sarab	3.99 0	Pn	Pn	04 29 18.4	+1.7
IDMV	Damavand	4.03 63	Pn	Pn	04 29 19.5	+2.4
IZEF	Zefreh	4.04 102	Pn	Pn	04 29 20.1	+2.8
IJAZR	Azarshahr	4.08 341	Pn	Pn	04 29 19.5	+1.7
KLNJ	Kolanjah	4.37 129	Pn	Pn	04 29 23.9	+1.9
IRAM	Rameshah	4.47 115	Pn	Pn	04 29 26.0	+2.7
IHRH	Heris	4.51 354	Pn	Pn	04 29 25.3	+1.5
IPRN	Peran	4.55 67	Pn	Pn	04 29 26.9	+2.3
IFIR	Firoozkoo	4.59 69	Pn	Pn	04 29 27.7	+2.2
ILAS	Lasroj	4.66 69	Pn	Pn	04 29 28.5	+2.6
ISHB	Shabestar	4.74 340	Pn	Pn	04 29 29.8	+2.8
ASTR	Astara	4.82 11	P	Pn	04 29 32.2	+4.4
ASTR			SNR=24			
ASTR			S	Pn	04 30 21.5	-2.0
LRK	Lerik	4.84 7	S	Pn	04 29 32.2	+4.9
LRK			SNR=5.8			
LRK	Lerkeran, Azer	4.96 10	S	Pn	04 30 21.6	-2.8
LRKN			SNR=10	Pn	04 29 35.1	+5.3
GRMI	Germi	4.98 2	Pn	Pn	04 29 32.3	+2.2
YRD	Yardimli	5.11 5	P	Pn	04 29 36.9	+4.9
YRD			SNR=29			
YRD			S	Pn	04 30 28.2	-2.7
ANAR	Anarak	5.13 95	Pn	Pn	04 29 33.6	+1.3
ORD	Ordubad	5.26 346	P	Pn	04 29 39.9	+5.9
ORD			SNR=44			
ORD			S	Pn	04 30 33.3	-1.2
ISAJ	Anjilo	5.43 71	S	Pn	04 29 34.8	+2.2
ISAD	Sadrabad	5.44 109	Pn	Pn	04 29 38.1	+1.8
GLBA	Citlabad	5.44 6	P	Pn	04 29 40.9	+4.5
IKIA	Kiasar	5.51 63	Pn	Pn	04 29 40.0	+2.5
SIRT	Sirmak	5.60 312	Pn	Pn	04 29 38.4	+0.1
NAX	Nakhchivan	5.61 343	S	Pn	04 29 47.7	+5.9
NAX			S	Pn	04 30 42.6	-0.5
QRD	Qoradiz	5.63 358	S	Pn	04 30 41.4	-2.1
BLQ	Beylaqan	5.89 359	P	Pn	04 29 47.0	+4.5
MAKU	Maku	6.01 338	Pn	Pn	04 29 46.4	+2.1
DSBU	Dashti - Bushe	6.27 149	Pn	Pn	04 29 50.2	+2.5
IMEH	Mehriz	6.37 110	Pn	Pn	04 29 51.6	+2.2
GURO	Guroymak-BITLI	6.54 318	Pn	Pn	04 29 51.5	-0.1
GNI	Garni	6.72 341	Pn	Pn	04 29 56.2	+2.0
GNI			SNR=31	Pn	04 29 60.0	+5.9
GNI	comp=E,1.0nm,0.3s,baz=136,slow=6.1,SNR=7.7		Pg	Pb	04 30 14.2	+1.8
GNI			Pg	Pb	04 31 45.4	
GNI	comp=E,1.3nm,0.3s,baz=85,slow=12,SNR=3.1		Lg	Lg	04 31 45.4	
GNI	baz=71,slow=3.4		LR	LR	04 32 52.2	
GNI			LR	LR	04 31 09.7	-2.2
GBS	Qobustan	6.78 8	S	Pn	04 31 09.7	-2.2
TNSJ	Nastajin	7.47 66	Pn	Pn	04 31 08.4	+2.1
TPRV	Parvadh(Tabas	7.61 93	Pn	Pn	04 30 08.6	+2.4
TKDS	Koohdash(Taba	7.91 89	Pn	Pn	04 30 13.1	+2.7
SAKB	Bahrain	8.21 161	P	Pn	04 30 15.6	+1.2
SAKB			S	Pn	04 31 45.8	-1.3
SHMA	Al-Shehmyia	8.45 159	Pn	Pn	04 30 18.2	+0.6
SHMA			S	Pn	04 31 18.5	+1.6
ASF	Jabal al Asfar	9.16 263	Pn	Pn	04 30 28.5	+0.9
ASF	comp=E,0.8nm,0.3s,baz=91,slow=5.8,SNR=3.9		S	Pn	04 32 10.5	-0.1
ASF	comp=E,0.6nm,0.3s,baz=154,slow=17,SNR=1.2		Lg	Lg	04 33 01.6	
ASF	comp=E,0.9nm,0.3s,baz=157,slow=11,SNR=4.6		Lg	Lg	04 33 01.6	
ASF	comp=E,2.4nm,0.5s					
GEYT	Oni	9.35 341	Pn	Pn	04 30 32.4	+2.4
GEYT	Alibeck	9.45 61	Pn	Pn	04 30 34.4	+2.7
GEYT	Alibeck	9.46 344	Pn	Pn	04 30 34.0	+2.7
GEYT	comp=E,0.3nm,0.3s,baz=95,slow=16,SNR=1.6		LR	LR	04 34 33.1	
GEYT	comp=E,596nm,18.9s,baz=270,slow=40					
GYA0B	ALIBECK ARRAY	9.44 61	Pn	Pn	04 30 33.8	+2.5
SMRA	Abu-Samra	9.46 162	P	Pn	04 30 31.9	+0.4
SMRA			S	Pn	04 32 16.4	-1.4
TRNA	Turayna	9.58 160	P	Pn	04 30 34.2	+1.1
TRNA			SNR=10			
TRNA			S	Pn	04 32 17.1	-3.5
HMDT	Nahal Hemdat	10.28 265	Pn	Pn	04 31 02.0	+1.9
HMDT			S	Pn	04 32 40.1	+2.2
MML1	Mount Malkishu	10.33 266	Pn	Pn	04 31 02.0	+1.9
MML1			S	Pn	04 32 40.6	+1.4
UJAP	Ai Uja	10.40 263	Pn	Pn	04 31 03.3	+1.9
UJAP			S	Pn	04 32 43.4	+2.7
BLGI	Bet Lehem HaGe	10.47 267	Pn	Pn	04 31 02.8	+1.7
BLGI			S	Pn	04 32 41.9	-0.7
KBZ	Khabaz	10.56 341	LR	LR	04 34 38.9	
KBZ	comp=E,1.73nm,20.2s,baz=175,slow=37					
MSBI	Mazada	10.65 260	Pn	Pn	04 31 08.8	+2.1
SHME	Shamm	10.70 134	Pn	Pn	04 30 47.8	-0.7
SHME	Shamm	10.70 134	Pn	Pn	04 30 48.6	+0.1
KVAR	Kislovodsk Arr	10.82 341	LR	LR	04 34 42.0	
KVAR	comp=E,645nm,18.1s,baz=30,slow=36					
ZFRI	Zfiri	11.04 256	Pn	Pn	04 31 15.8	+2.3
ZFRI			S	Pn	04 33 04.7	+8.2
MASF	Masafi	11.22 136	P	Pn	04 30 55.4	-0.2
MASF			SNR=6.1			
MASF	Esma-Masafi	11.23 136	i Pn	Pn	04 32 56.8	-4.2
AJN	Ajnan	11.24 143	i Pn	Pn	04 30 56.0	+0.2
AJN			SNR=5.7			
AJN	Ajnan	11.24 143	P	Pn	04 30 57.0	+1.2
AJN			SNR=6.0			
AJN			S	Pn	04 32 59.1	-2.3
NAZ	Nazwa, Dubai	11.24 139	Pn	Pn	04 30 56.2	+0.2
NAZ	Nazwa, Dubai	11.24 139	Pn	Pn	04 30 55.8	+0.8
NAZ			S	Pn	04 32 57.3	+4.2
PRNI	Paran	11.25 256	Pn	Pn	04 31 19.1	+2.3
PRNI			S	Pn	04 33 10.9	+9.1
HRFI	Mount Harif	11.35 254	Pn	Pn	04 31 21.1	+2.4
HRFI			S	Pn	04 33 14.2	+1.0
FAQI	Al Faqa, Dubai	11.40 140	P	Pn	04 33 04.0	+0.8
FAQI			S	Pn	04 33 01.7	-3.7
MBRI	Mt Berech	11.54 253	Pn	Pn	04 31 24.1	+2.4
EIL	Eilat	11.56 252	Pn	Pn	04 31 24.3	+2.4
EIL			S	Pn	04 33 20.9	+1.2

EIL	Eilat	11.56 252	Pn	Pn	04 31 00.1	-0.1
EIL	comp=E,1.0nm,0.3s,baz=71,slow=14,SNR=6.1		LR	LR	04 35 55.9	
UOSS	Minazif	11.57 138	Pn	Pn	04 30 59.9	-0.6
HATD	Hatta, Dubai	11.63 138	P	Pn	04 31 02.2	+0.9
HATD			S	Pn	04 33 06.1	-4.9
ASHO	Ashyiah	11.70 139	i Pn	Pn	04 31 01.3	-1.0
ASHO			SNR=17			
ASHO	Muzera	11.70 139	P	Pn	04 33 06.1	-6.8
ASHO			SNR=7.9			
ASHO	Ashyiah	11.70 139	P	Pn	04 31 02.0	-0.2
MZR	Muzera	11.94 153	i Pn	Pn	04 31 06.6	+1.0
MZR			SNR=11			
MZR	Muzera	11.94 153	P	Pn	04 31 06.6	+1.0
MZR			SNR=11			
ALNE	Al Ain	12.04 142	i Pn	Pn	04 33 14.0	-4.7
ALNE			SNR=6.9			
ALNE	Al Ain	12.04 142	P	Pn	04 31 06.3	-0.6
ALNE			SNR=6.9			
SOHO	SOHO	12.40 139	P	Pn	04 31 10.8	-1.0
SOHO			S	Pn	04 33 26.0	-3.8
BRTR	Keskin Array B	12.66 302	Pn	Pn	04 31 15.8	+0.3
BRTR			SNR=10.1nm,0.3s,baz=106,slow=13,SNR=5.1			
BRTR			LR	LR	04 37 01.0	
BRTR	comp=E,377nm,18.0s,baz=112,slow=42					
BRTR			LR	LR	04 31 16.2	+0.8
BR131	Keskin Array S	12.67 302	Pn	Pn	04 31 19.4	-1.1
ARQ	Arq	13.04 141	P	Pn	04 33 40.4	-5.1
BSY	Bisyra	13.88 140	P	Pn	04 34 30.8	-1.2
BSY			S	Pn	04 31 01.3	-4.8
SMDO	Samad	14.09 137	P	Pn	04 31 33.8	-1.3
WSAR	Wadi Sarin	14.29 135	P	Pn	04 31 35.9	-1.8
WSAR	Wadi Sarin	14.29 135	Pn	Pn	04 31 36.6	-1.1
WSAR	comp=E,1.3nm,0.3s,baz=359,slow=7.1,SNR=14		LR	LR	04 38 19.0	
WSAR	comp=E,139nm,20.2s,baz=248,slow=42					
NGSH	Negor Chabah	14.45 122	P	Pn	04 31 37.6	-2.3
JMDO	Jabal Madar	14.67 138	P	Pn	04 31 40.7	-2.2
MDUB	Muduru	14.68 302	Pn	Pn	04 31 43.5	+0.5
WBK	Wadi Bani Khal	14.97 135	P	Pn	04 31 44.3	-2.7
JLN	Jalan Bani Bah	15.59 135	P	Pn	04 31 51.5	-3.5
MHTO	MHTO	15.72 142	P	Pn	04 31 54.4	-2.4
DOK	DOK	16.22 157	P	Pn	04 32 00.1	-3.1
DOK			SNR=6.5			
WHFO	Wadi Hawi	16.77 159	P	Pn	04 32 07.8	-2.4
WHFO			SNR=7.7			
ABTO	Aybut	17.17 161	P	Pn	04 32 12.4	-2.9
ABTO			SNR=9.4			
SHAO	Shalim	17.29 154	i Pn	Pn	04 32 13.5	-3.2
SHAO			SNR=7.			

0.3nm,0.3s
ILAR Eielson Array 89.38 18 P P 04 51 08.8 -0.3
0.9nm,0.7s,baz=232,slow=5.2,SNR=5.9
0.3nm,0.7s

IDC 14 04:48:51.8-0.9,33.82N-47.59E,h0km,mb4.0/16,
mbtmp4,0/21,ML4.0/4,MS3.1/14,Error ellipse:
s-maj=18.1km s-min=15.4km az=178.0
TEH 14 04:48:51.9,33.90N-47.66E,h6km,68km,ML4.1
ISN 14 04:48:52.5-1.2,33.86N-47.59E,h6km,68km,ML4.0
NEIC 14 04:48:54.3-1.6,33.80N-0.06-47.72E-0.07,h10km,1km,
mb4.2/21,Error ellipse:s-maj=12.1km s-min=8.8km
az=321.0

OMAN 14 04:46:59.9-1.7,33.35N-48.06E,h9km,mb4.1/19,Error
ellipse:s-maj=31.7km s-min=14.4km az=37.0
ISC 14 04:48:53.0-1.4,33.77N-0.03-47.87E-0.03,h10km,n140,
e205/151,mb4.2/22,MS3.3/6,5C-1D,Western Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like IKFM Kafar-mosalman, IKOM Komasi, IBZA Bozab, etc.

Main table with columns: IDI, Anoyia, 18.82 281, Pn, 04 53 14.0 +0.7, etc. Rows include stations like RDO Rodhopi, BTK Batken, KK31 Karatay Array, etc.

Table with columns: GP77 Hacienda Santa, 1.14 102, eP, Pg, 05 16 16.1 -0.1, etc. Rows include stations like ORTG Ortega, Santa, WILN Americas 2, APYN Apoyeque, etc.

NOU 14 05:25:06.3,21.36S:168.81E,h0km,MLV5.0/10,Loyalty
Islands
IDC 14 05:25:08.6,0.7,21.42S:168.61E,h0km,mb4.6/12,
mbtmp4.6/14,ML4.1/2,MS4.1/47,Error ellipse:
s-maj=18.7km s-min=18.2km az=119.0
NEIC 14 05:25:09.7,2.9,21.27S:0.04:168.58E-0.03,h10km,1km,
mb4.9/42,MW4.9/15,Error ellipse:s-maj=7.8km
s-min=3.4km az=163.0
BGR 14 05:25:13.9,20.67S:171.09E,h33km
GCMT 14 05:25:14.7,0.2,21.34S:0.02:168.52E-0.02,h12km,
MW4.9/110,Moment Tensor Solution. s36,c43;
s110,c148; Duration: 0 Moment tensor: Scale 10^16Nm;
Mr-3.25t; Mr1-7.2t; Mr2-1.53t; Mr3-0.82t; Ms-
1.10t; Mb-0.69t; Mw-0.69t; Best double couple:
M33.17500x10^16 Np133.00000; 855.00000;
-7.9.00000. NP233.00000; 635.00000;
-7.89.00000. Principal axes: T 2.9140, P10.0000;
Az=42.0000; N 0.5210, P10.0000; Az=32.0000;
P 3.4350, P180.0000; Az=119.0000; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rater function
ISC 14 05:25:10.6,0.8,21.38S:0.05:168.52E-0.05,h12km,4km,
n182,1410/140,mb4.9/42,MS4.2/43,1C-14D,Loyalty
Islands
Code Station Name Az Az' Phase ID Time Res
MARC Mare, Loyalty 0.47 258 Op S 05 16 13.6 -0.2
MARNC N 05 16 28.6 -0.7
MARNC Mare, Loyalty 0.47 258 P 05 16 14.0 +0.3
LIFNC LIFOU 1.34 296 P 05 16 14.8 +0.4
LIFNC Buena Vista 1.05 101 eS 05 16 30.6 -0.9
LIFNC Borinquen Arri 1.06 100 iP 05 16 14.8 +0.3
VRLA La Escondida, 1.10 101 iP 05 16 15.4 +0.1
VRLA La Escondida, 1.10 101 iP 05 16 15.8
VRLA comp=Z,610nm,1.0s iS 05 16 30.6
GPS3 Bodega del ICE 1.10 103 iP 05 16 16.3 0.0
GPS3 05 16 35.1 +2.2
VORI VORI 1.11 100 eP 05 16 16.5 0.0

Table with columns for station name, frequency, power, and other technical details. Includes stations like DZM, ONTC, NOUNC, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MDJ, PETK, MAW, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CONA, MOX, IBBN, etc.

AEIC 14 05:36:21.3z:0.7,51.32N:0.08:178:20W:0.02, h40km,10km, Error ellipse: s-maj=1.12km s-min=2.2km

NEIC 14 05:36:22.6:1.2,51.40N:0.07:178:21W:0.03, h36km,56km,ML3.6,ML3.3(AEIC), Error ellipse: s-maj=9.8km s-min=1.8km az=166.0, Andreanof Islands

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TAFL, TAPA, GALAA, etc.

IDC 14 05:44:33.6:3.7, 18:53S:175:62W, h205km,33km, mb4.1/13, mbtmp4.6/14, Error ellipse: s-maj=15.6km s-min=1.5 km az=129.0

NEIC 14 05:44:35.3:1.8, 18:55S:0.1:175:30W:0.10, h242km,86km, mb4.7/33, Error ellipse: s-maj=15.9km s-min=13.4km az=176.0

NOU 14 05:44:36.1, 18:27S:175:21W, h291km,MLV5.0/10, Tonga Islands

ISC 14 05:44:37.2:0.4, 18:53S:0.07:175:46W:0.06, h265km, n164, e145/160, mb4.7/34, 7D, Tonga Islands

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TAVE, DGTI, NIUE, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like RATZ, BKZ, KATZ, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like SNA, VNA3, VNA2, etc.

NNC 14 05:52:59.1±2.8, 38.63N; 71.09E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=21.7km s-min=15.7km az=173.0

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like DRK, BTk, OHH, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like CHMS, CHMS, CHMS, etc.

G30M	baz=152,SNR=308	Pn	Pn	06 05 46.4 +0.7
G30M	IaOh Zraii Nji	Sn	Pn	06 06 16.9 +1.3
H29M	Whitestone	S	Pn	06 05 47.0 +0.8
H29M	Whitestone	S	Pn	06 06 17.3 +0.9
H29M	Whitestone	Pn	Pn	06 05 47.0 +0.8
H29M	Whitestone	Sn	Pn	06 05 17.2 +0.8
F31M	Tsigitehchic	S	Pn	06 05 48.9 +0.5
F31M	Tsigitehchic	S	Pn	06 06 20.7 +0.4
F31M	Tsigitehchic	Pn	Pn	06 05 49.0 +0.5
F31M	Tsigitehchic	Sn	Pn	06 05 19.2 +1.1
DAWY	Dawson	Pn	Pn	06 05 50.4 +0.8
DAWY	Dawson	Pn	Pn	06 05 50.5 +1.0
DAWY	Dawson	Sn	Pn	06 06 21.5 +0.9
FARO	Faro, Yukon	Pn	Pn	06 05 51.6 +2.1
FARO	Faro, Yukon	Pn	Pn	06 05 51.7 +2.1
FARO	Faro, Yukon	Sn	Pn	06 06 22.1 -0.3
L29M	L29M	Pn	Pn	06 05 50.8 +0.8
L29M	L29M	Sb	Sb	06 06 30.7 +2.8
L29M	L29M	Pn	Pn	06 05 50.8 +0.8
L29M	L29M	Sg	Sb	06 06 30.7 +2.8
M31M	Drury Creek, Y	Sb	Sb	06 05 52.2 +2.0
M31M	Drury Creek, Y	Sb	Sb	06 06 32.3 +3.7
M31M	Drury Creek, Y	Pn	Pn	06 05 52.3 +2.0
M31M	Drury Creek, Y	Sn	Pn	06 06 23.4 -0.3
M30M	Minto, Yukon	Pn	Pn	06 05 51.6 +1.1
M30M	Minto, Yukon	Sb	Sb	06 06 31.9 +3.0
M30M	Minto, Yukon	Pn	Pn	06 05 51.6 +1.1
M30M	Minto, Yukon	Sn	Pn	06 05 23.6 -0.4
M30M	Minto, Yukon	Sg	Sb	06 06 30.5 +1.6
G29M	Pine Creek	S	Pn	06 05 51.4 +0.6
G29M	Pine Creek	S	Pn	06 06 24.5 -0.1
G29M	Pine Creek	Pn	Pn	06 05 51.6 +0.8
G29M	Pine Creek	Pn	Pn	06 05 51.4 +0.5
I28M	I28M	S	Pn	06 06 24.8 -0.1
I28M	I28M	S	Pn	06 06 24.8 -0.1
I28M	I28M	Pn	Pn	06 05 51.5 +0.5
I28M	I28M	Pn	Pn	06 05 53.3 +0.5
F30M	F30M	S	Pn	06 06 28.6 +0.5
F30M	F30M	S	Pn	06 06 28.6 +0.5
EGAK	Eagle	Pn	Pn	06 05 58.4 +0.7
EGAK	Eagle	Pn	Pn	06 05 58.2 +0.5
M29M	Somme Creek	P	Pn	06 05 59.3 +1.1
M29M	Somme Creek	Sb	Sb	06 06 48.8 +3.8
M29M	Somme Creek	Pn	Pn	06 05 59.4 +1.2
M29M	Somme Creek	Sn	Pn	06 06 36.2 -1.6
M29M	Somme Creek	Sg	Sb	06 06 48.8 +3.8
M29M	Somme Creek	Sg	Sb	06 06 00.7 +0.4
INK	Inuvik	Pn	Pn	06 06 00.7 +0.4
INK	Inuvik	Pn	Pn	06 06 00.7 +0.4
INK	Inuvik	Sn	Pn	06 06 40.8 -0.9
I27K	Kandik River	Pn	Pn	06 06 01.4 +0.6
I27K	Kandik River	Pn	Pn	06 06 01.7 +0.9
N31M	Braeburn, Yuko	Pn	Pn	06 06 03.8 +2.0
N31M	Braeburn, Yuko	Pn	Pn	06 06 03.8 +2.0
N31M	Braeburn, Yuko	Sn	Pn	06 06 43.8 -0.6
N31M	Braeburn, Yuko	Sn	Pn	06 06 02.9 +0.6
H27K	Steamboat Moun	Pn	Pn	06 06 03.1 +0.8
H27K	Steamboat Moun	Pn	Pn	06 06 03.8 +0.6
N32M	Quiet Lake	Pn	Pn	06 06 06.7 +2.2
N32M	Quiet Lake	S	Pn	06 06 51.6 +2.4
N32M	Quiet Lake	Pn	Pn	06 06 06.5 +2.0
N32M	Quiet Lake	Sn	Pn	06 06 50.6 +1.4
F28M	Old Crow	Pn	Pn	06 06 05.1 +0.5
F28M	Old Crow	S	Pn	06 06 48.1 -1.3
F28M	Old Crow	Pn	Pn	06 06 05.2 +0.6
F28M	Old Crow	Sn	Pn	06 06 47.9 -1.4
N30M	Aishikik Lake	Pn	Pn	06 06 06.7 +1.6
N30M	Aishikik Lake	Pn	Pn	06 06 06.7 +1.6
N30M	Aishikik Lake	Sg	Sb	06 07 04.5 +5.5
N30M	Aishikik Lake	Sg	Sb	06 06 06.1 +1.0
K27K	Chicken	Sb	Sb	06 07 02.7 +3.1
K27K	Chicken	Pn	Pn	06 06 06.2 +1.1
K27K	Chicken	Pn	Pn	06 06 06.7 +0.7
G27K	Doyon Strip	Pn	Pn	06 06 07.0 +1.0
G27K	Doyon Strip	Sn	Pn	06 06 07.0 +1.0
E29M	Blow River	Pn	Pn	06 06 07.9 +0.9
L27K	Beaver Creek	Pn	Pn	06 06 09.8 +0.7
L27K	Beaver Creek	Pn	Pn	06 06 10.1 +1.0
L27K	Beaver Creek	Sn	Pn	06 06 55.4 -1.9
I26K	Coal Creek Min	Pn	Pn	06 06 09.4 +0.2
BVCY	Beaver Creek	P	Pn	06 06 10.3 +1.1
BVCY	Beaver Creek	Pn	Pn	06 06 10.3 +1.1
BVCY	Beaver Creek	Sn	Pn	06 06 56.4 -1.2
BVCY	Beaver Creek	Sg	Sg	06 07 13.6 -3.2
BVCY	Beaver Creek	Sg	Sg	06 06 12.0 +2.3
GTGN	Hyland Airport	Pn	Pn	06 06 12.6 +2.9
GTGN	Hyland Airport	Pn	Pn	06 06 12.6 +2.9
YUK4	Talbot Arm	Pn	Pn	06 06 11.8 +0.4
YUK4	Talbot Arm	Pn	Pn	06 06 12.2 +1.8
YUK4	Talbot Arm	Pn	Pn	06 06 13.9 +2.0
WHY	Whitehorse	Pn	Pn	06 06 13.9 +2.0
WHY	Whitehorse	Pn	Pn	06 06 13.9 +2.0
WHY	Whitehorse	Sn	Pn	06 06 13.9 +2.0
WHY	Whitehorse	Sn	Pn	06 07 18.9 +5.2
O30N	Mendenhall	Pn	Pn	06 06 13.9 +2.0
J26L	Joseph Creek	P	Pn	06 06 12.9 +0.5
YUK3	Moose Creek	Pn	Pn	06 06 15.0 +1.3
YUK3	Moose Creek	Pn	Pn	06 06 14.9 +1.3
YUK3	Moose Creek	Sg	Sg	06 07 23.8 -3.1
E28M	Babbage River	Pn	Pn	06 06 14.4 +0.5
HYT	Haines Junctio	Pn	Pn	06 06 16.1 +1.8
HYT	Haines Junctio	Pn	Pn	06 06 16.3 +2.0
HYT	Haines Junctio	Sn	Pn	06 07 08.9 -0.9
M27K	Edge Creek, AK	Pn	Pn	06 06 15.6 +0.7
M27K	Edge Creek, AK	Pn	Pn	06 06 15.2 +0.4
M27K	Edge Creek, AK	Sg	Sg	06 07 26.9 -2.9
YUK2	White River	Pn	Pn	06 06 16.2 +1.0
YUK2	White River	Pn	Pn	06 07 07.7 -0.7
YUK6	Outpost Mounta	Pn	Pn	06 06 17.1 +1.8
YUK6	Outpost Mounta	Pn	Pn	06 06 17.0 +1.8
YUK6	Outpost Mounta	Sn	Pn	06 07 28.9 -1.7
YUK6	Outpost Mounta	Sg	Pn	06 06 17.4 +1.2
YUK8	Steele Glacier	Pn	Pn	06 06 17.5 +1.5
YUK8	Steele Glacier	Sg	Sg	06 07 29.2 -3.4
YUK8	Steele Glacier	Sg	Sg	06 06 17.5 +1.0
E27K	Coleen River	P	Pn	06 06 16.9 +0.4

E27K	Coleen River	4.62 320	Pn	Pn	06 06 16.5 -0.1
E27K	Coleen River	4.62 320	Pn	Pn	06 07 07.3 -3.5
E27K	Coleen River	4.70 176	Pn	Pn	06 06 19.3 +1.7
P33M	Teslin, Yukon	4.70 176	Pn	Pn	06 06 19.1 +1.5
P33M	Teslin, Yukon	4.70 176	Pn	Pn	06 07 11.8 -0.9
WRGLY	Wrigley	4.73 106	P	Pn	06 06 20.1 +2.1
YUK7	Dusty Glacier	4.84 208	Pn	Pn	06 06 21.8 +2.0
YUK7	Dusty Glacier	4.84 208	Pn	Pn	06 07 15.9 -0.5
YUK7	Dusty Glacier	4.84 208	Pn	Pn	06 07 38.0 -3.1
M26K	Nabesna, AK	4.89 244	Pn	Pn	06 06 21.7 +1.5
P30M	Million Dollar	5.03 200	P	Pn	06 06 24.6 +2.4
P30M	Million Dollar	5.03 200	Pn	Pn	06 06 24.2 +2.1
P30M	Million Dollar	5.03 200	Pn	Pn	06 07 21.1 +0.3
P30M	Million Dollar	5.03 200	Pn	Pn	06 07 43.6 -3.3
O28M	Mount Upton	5.12 219	Pn	Pn	06 06 25.5 +1.9
O28M	Mount Upton	5.12 219	Pn	Pn	06 06 24.3 +0.7
O28M	Mount Upton	5.12 219	Pn	Pn	06 06 46.7 -3.7
F26K	Sheenjek River	5.13 308	Pn	Pn	06 06 24.4 +0.9
O29M	Mount Kennedy	5.14 209	P	Pn	06 06 25.9 +2.1
O29M	Mount Kennedy	5.14 209	Pn	Pn	06 06 26.0 +2.1
O29M	Mount Kennedy	5.14 209	Pn	Pn	06 07 22.3 -1.5
O29M	Mount Kennedy	5.14 209	Pn	Pn	06 07 46.8 -3.9
D27M	Malcolm River	5.25 330	P	Pn	06 06 26.1 +0.9
WTLY	Watson Lake, Y	5.26 153	Sg	Sg	06 07 52.9 -1.6
CTGM	Chitna Glacier	5.29 226	Pn	Pn	06 06 27.3 +1.4
CTGM	Chitna Glacier	5.29 226	Pn	Pn	06 07 27.2 -0.2
CTGM	Chitna Glacier	5.29 226	Pn	Pn	06 07 51.5 -4.0
CTG	Chitna Glacier	5.30 226	P	Pn	06 06 28.3 +2.4
LOGN	Logan Glacier	5.31 223	Pn	Pn	06 06 27.1 +1.1
P32M	Atlin	5.31 181	Pn	Pn	06 06 28.0 +2.1
P32M	Atlin	5.31 181	Pn	Pn	06 06 27.9 +1.9
P32M	Atlin	5.31 181	Pn	Pn	06 07 27.4 -0.2
PTPK	Patty Peak	5.49 232	Pn	Pn	06 06 30.0 +1.4
SKAG	Skagway	5.50 190	P	Pn	06 06 31.1 +2.6
MCARJ	McCarthy VSAT	5.54 235	Pn	Pn	06 06 31.0 +1.9
PLBC	Pleasant Camp	5.60 195	Pn	Pn	06 06 32.2 +2.3
PLBC	Pleasant Camp	5.60 195	Pn	Pn	06 07 35.5 +0.8
F25K	Christian River	5.60 305	Pn	Pn	06 06 31.1 +1.2
GRNC	Granite Creek	5.61 226	Pn	Pn	06 06 31.9 +1.7
P29M	Windy Craggy	5.62 202	Pn	Pn	06 06 32.2 +2.0
P29M	Windy Craggy	5.62 202	Pn	Pn	06 06 31.7 +1.5
P29M	Windy Craggy	5.62 202	Pn	Pn	06 07 34.3 -1.0
R33M	Jennings River	5.63 166	Pn	Pn	06 06 33.0 +2.5
R33M	Jennings River	5.63 166	Pn	Pn	06 06 32.8 +2.3
R33M	Jennings River	5.63 166	Pn	Pn	06 07 34.8 +2.1
KIAG	Kiagna River	5.65 229	Pn	Pn	06 06 36.3 +0.0
KIAG	Kiagna River	5.65 229	Pn	Pn	06 06 34.1 +3.2
PCIA	Pinnacle	5.71 216	Pn	Pn	06 06 39.4 +1.7
E25K	Arctic Village	5.80 309	Pn	Pn	06 06 33.3 +0.6
C36M	Paulatuk	5.81 35	P	Pn	06 06 33.6 +0.9
C36M	Paulatuk	5.81 35	Pn	Pn	06 06 33.2 +0.4
C36M	Paulatuk	5.81 35	Pn	Pn	06 07 35.6 -3.3
Q32M	Nakina River	5.97 174	Pn	Pn	06 06 37.5 +2.4
Q32M	Nakina River	5.97 174	Pn	Pn	06 06 36.9 +1.8
Q32M	Nakina River	5.97 174	Pn	Pn	06 07 43.3 -0.9
Q32M	Nakina River	5.97 174	Pn	Pn	06 08 15.0 -2.2
DLBC	Dease Lake	6.67 164	Pn	Pn	06 06 47.4 +2.6
DLBC	Dease Lake	6.67 164	Pn	Pn	06 06 47.2 +2.5
DLBC	Dease Lake	6.67 164	Pn	Pn	06 08 00.3 -1.0
DLBC	Dease Lake	6.67 164	Pn	Pn	06 08 36.0 -3.7
C26K	Camden Bay	6.68 324	P	Pn	06 06 46.9 +2.2
D25K	Kavik River	6.70 317	Pn	Pn	06 06 46.4 +1.4
E24K	Your Creek	6.78 305	P	Pn	06 06 47.0 +0.9
S31K	Pelican	7.06 192	Pn	Pn	06 06 52.8 +2.9
S34M	Telegraph Cree	7.08 169	Pn	Pn	06 06 52.6 +2.4
S34M	Telegraph Cree	7.08 169	Pn	Pn	06 06 52.8 +1.4
COLD	Coldfoot	7.17 297	Pn	Pn	06 06 53.2 +1.8
COLD	Coldfoot	7.17 297	Pn	Pn	06 08 09.8 -3.6
COLD	Coldfoot	7.17 297	Pn	Pn	06 06 53.0 +1.5
COLD	Coldfoot	7.17 304	Pn	Pn	06 06 55.2 +1.0
TOLK	Toolik Lake Re	7.37 308	P	Pn	06 06 53.0 +1.0
TRF	Thorofare Moun	7.45 267	Pn	Pn	06 06 57.1 +1.6
A36M	Sachs Harbour	7.76 19	Pn	Pn	06 07 00.3 +0.8
A36M	Sachs Harbour	7.76 19	Pn	Pn	06 06 59.8 +0.3
A36M	Sachs Harbour	7.76 19	Pn	Pn	06 08 22.1 -5.7
FNSB	Fort Nelson	7.94 135	Sn	Pn	06 06 29.7 -2.2
T35M	Bob Quinn	8.08 167	Pn	Pn	06 07 06.9 +1.0
T35M	Bob Quinn	8.08 167	Pn	Pn	06 07 05.5 +1.5
C23K	Itkillik River	8.23 167	Pn	Pn	06 07 06.9 +1.0
WRAK	Wrangell Islan	8.51 175	Pn	Pn	06 06 12.3 +2.6
NBCS	NorthernBC 5	9.04 140	Sn	Pn	06 07 57.3 -2.2

BUC 14 06:24:59.8:0.3,45:55N:26:51E,h132km,2km,m3,7/41,
 Error ellipse: s-maj=2.1km s-min=1.5km az=160.0
 ISC 14 06:24:59.0:1.6,45:56N:0:04:26:49E:0.03,h141km,8km,
 n49,r09:60/78,42C-33,Romania

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
NEHR	Neohiu	0.19	225	Op	h m s	ISC
NEHR	Neohiu	0.19	225	Op	25 18.5 +0.3	
PLOR	Plostina	0.31	21	Op	25 32.2 -0.4	
PLOR	Plostina	0.31	21	Op	25 18.5 +0.1	
PLOR	Plostina	0.31	21	Op	25 32.7 -0.7	
VRJ	Vrincioaia	0.34	29	Op	25 18.8 +0.3	
VRI	Vrincioaia	0.34	29	Op	25 33.4 -0.1	
COVR	Voineasa-Covas	0.35	325	Op	25 18.5 -0.1	
COVR	Voineasa-Covas	0.35	325	Op	25 32.2 -1.3	
MLR	Muntele Rosu	0.39	260	Op	25 19.2 +0.3	
MLR	Muntele Rosu	0.39	260	Op		

14d 7h

Table with columns: KOTS, Lg, Lg, 06 37 48.0, 06 37 02.8 +0.1, 06 37 48.0, 06 37 03.1 -0.3, 06 37 48.8, 06 37 03.1 -0.3, 06 37 48.8, 06 36 59.1 +2.2, 06 36 59.6 +0.4, 06 37 45.6 -3.4, 06 37 08.4 +0.2, 06 37 57.7, 06 37 08.4 +0.2, 06 37 57.7, 06 37 09.4 +0.1, 06 37 59.5, 06 37 09.3 +0.1, 06 37 59.5, 06 37 11.4 -0.2, 06 38 02.8, 06 37 11.3 -0.2, 06 38 02.8, 06 37 11.3 -0.4, 06 38 03.6, 06 37 12.3 +0.5, 06 38 04.6, 06 37 13.0 +0.6, 06 38 03.6, 06 37 13.0 +0.6, 06 38 06.0, 06 37 13.4 +0.8, 06 38 06.5, 06 37 13.3 +0.8, 06 38 06.5, 06 37 04.3 -0.4, 06 37 52.9 +2.2, 06 37 13.2 -1.3, 06 38 06.3, 06 37 13.2 -1.3, 06 38 06.3, 06 37 22.7 +1.5, 06 38 21.9, 06 37 22.7 +1.5, 06 38 21.9, 06 37 22.9 +0.3, 06 38 22.6, 06 37 30.4 -0.3, 06 38 35.4, 06 37 33.0 +0.5, 06 38 41.5, 06 37 36.4 +2.3, 06 38 45.5, 06 37 36.4 +2.3, 06 38 45.5

IDC 14 06:51:10.9,2.1,33.68N,47.65E,h0km,mb4,0/6, mbmp4,0/6,MS2,9/6,Error ellipse: s-maj=67.3km s-min=23.6km az=153.0

TEH 14 06:51:12.5,33.87N,47.66E,h0km,ML3.9 ISC 14 06:51:13.3,0.8,33.87N,0.04,47.61E,0.04,h10km,n43, s=126/39,mb3.9/Western Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, IKOM Komasi, 0.31 344, 06 51 18.3 -1.3, IKOM Kafar-mosalman, 0.40 151, 06 51 23.6 -0.2, IKFM, 06 51 19.9 +1.3, IKFM, 06 51 20.0 -0.4, KCHF Cheshme Sefid, 0.62 310, 06 51 24.3 -1.1, IBZA Bozab, 0.63 19, 06 51 23.6 -1.9, HSAM Samen, 0.89 67, 06 51 28.1 -2.3, HSAM, 06 51 42.1 +0.8, ILSA Iam Banvizeh, 1.20 258, 06 51 30.0, IDHR Dehrash, 1.31 309, 06 51 39.0 +1.2, HAGD Aghdareh, 1.58 53, 06 51 40.7 -0.9, IRAZ Razeghan, 2.44 51, 06 51 53.8 +0.4, QSDN Sirdan, 2.92 26, 06 52 01.4 +1.4, IPIR Pirpir, 2.99 112, 06 52 01.9 +0.8, IQOM Oom, 3.02 70, 06 52 02.4 +1.0, IJBN Jahan bin, 3.04 122, 06 52 03.5 +1.7, IMHD Mahdasht, 3.10 53, 06 52 03.8 +1.5, QAMS Qamsar, 3.15 91, 06 52 04.5 +1.2, ZNGN Zangian, 3.24 122, 06 52 05.6 +1.2, IKLH Kohak, 4.41 129, 06 52 07.1 +1.4, IVRN Varamin, 3.58 71, 06 52 10.6 +1.6, IBRJ Brojen, 3.64 122, 06 52 11.1 +1.1, KRSH Karshahi, 3.76 87, 06 52 13.3 +1.8, KLST Kelardashst - M, 3.86 46, 06 52 14.8 +1.7, ISFB Sefidab, 3.87 92, 06 52 14.2 +1.3, ISGAR Gharshab, 4.02 119, 06 52 16.1 +1.3, IDMV Damavand, 4.02 64, 06 52 16.4 +1.2, IAZR Azarsahhr, 4.02 341, 06 52 17.3 +2.1, IZEF Zefreh, 4.07 103, 06 52 18.2 +1.6, MZPU Pul - Mazandar, 4.13 51, 06 52 18.8 +1.6, KLANJ Kolanjai, 4.41 129, 06 52 19.4 +0.7, IRAM Rameshkeh, 4.51 116, 06 52 23.3 +1.4, IFIR Firuzkooh, 4.58 66, 06 52 24.4 +1.5, ANAR Anarak, 5.15 96, 06 52 31.8 +1.2, DSBU Dashti - Bushe, 6.32 149, 06 52 48.8 +2.2, GNTI Ganti, 6.67 341, 06 55 06.7, NEYR Neyriz, 9.43 62, 06 57 30.8, EIL Elat, 11.56 292, 06 59 48.4, AKTO Aktyubinsk, 18.23 22, 07 03 58.6, AAK Ala-Archa, 22.78 60, 07 06 08.2, BVAR Borovoye Arra, 25.11 33, 07 06 38.5 +0.4, KURBB Kurchatov Arra, 28.07 44, 07 06 57 05.2 +0.4

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Table with columns: MKAR Makanchi Array, 29.17 53, 06 57 14.7 0.0, MKAR, 07 10 06.8, ZALV Zalesovo Beam, 32.95 41, 06 57 47.8 -0.1, NOA NORARS Arra B, 35.85 330, 06 58 13.6 +0.7, TORD Torai Arra, 46.43 255, 06 59 39.4 -1.1

IDC 14 06:58:20.5,2.9,53.72N,88.10E,h0km,mbmp3,5/3, ML2,8/3,Error ellipse: s-maj=26.3km s-min=15.5km az=64.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, I46RU ZALESOVO INFRA, 1.96 278, 06 58 54.4 -0.5, ZALV Zalesovo Beam, 1.96 278, 06 58 54.4 -0.5, ZALV, 06 59 22.8, KURBB Kurchatov Arra, 6.65 246, 06 59 59.6 +0.3, KURBB, 07 01 52.5, MKAR Makanchi Array, 7.86 211, 07 00 17.3 +1.3, MKAR, 07 02 27.2, BVAR Borovoye Arra, 10.61 273, 07 00 53.0 -0.5, BVAR, 07 02 50.3 -2.6, SONM Songoing Array, 12.97 110, 07 05 14.5, I34MN SONGINO INFRAS, 13.00 110, 08 12 00.0

IDC 14 07:12:13.5,3.7,46.09N,150.73E,h180km,35km, mb3,4/11,mbmp3,9/12,MS3,4/1,Error ellipse: s-maj=22.0km s-min=16.5km az=94.0, NEIC 14 07:12:13.1,1.3,47.0N,0.1,150.6E,0.2,h175km,9km, mb4,1/24,Error ellipse: s-maj=24.9km s-min=18.4km az=121.0

ISC 14 07:12:11.9,0.9,47.0N,0.1,150.7E,0.1,h167km,n52, s=65/45,mb4,0/23,Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, PEAOB Petropavlovsk-, 7.65 34, 07 14 00.7 +0.2, PETK Petropavlovsk-, 7.65 34, 07 14 00.9 +0.4, PETK, 07 14 01.2 +0.7, TIXI Tixi, 26.82 345, 07 17 35.2 -0.9, H1N2 WAKE ISLAND Hy, 30.22 148, 07 50 00.2, H1N1 WAKE ISLAND Hy, 30.24 148, 07 49 53.8, H1N3 WAKE ISLAND Hy, 30.24 148, 07 49 58.8, H1S1 WAKE ISLAND Hy, 31.28 150, 07 51 17.9, H1S3 WAKE ISLAND Hy, 31.29 150, 07 50 57.5, H1S2 WAKE ISLAND Hy, 31.30 150, 07 51 05.7, F17K Baldwin Pennin, 31.69 35, 07 18 19.4 +0.3, C18K Utukok River, 32.30 31, 07 18 23.9 -0.8, G18K Tagagawik, 32.60 36, 07 18 27.0 -0.2, C19K Lookout Ridge, 32.99 30, 07 18 31.1 +0.5, D19K Luna River, 33.35 32, 07 18 33.9 +0.2, E19K Redstone River, 33.45 34, 07 18 34.4 -0.2, B20K Meade River, 34.06 29, 07 18 40.1 +0.4, IMAR Indian Mountai, 34.61 36, 07 18 43.5 -1.0, E21K Killik River, 34.84 32, 07 18 48.2 +1.7, B22K Teshekpuk Lake, 35.38 29, 07 18 51.0 0.0, C23K Ikilik River, 36.24 30, 07 18 58.2 -0.2, TOLK Toolik Lake Re, 36.47 32, 07 19 01.0 +0.6, D24K Happy Valley, 36.79 31, 07 19 03.9 +0.5, E24K Your Creek, 36.83 33, 07 19 04.1 +0.6, ILAR Eielson Array, 37.45 39, 07 19 08.4 -0.2, D25K Kavik River, 37.67 31, 07 19 10.7 +0.2, B28K Burnt Mountain, 38.30 34, 07 19 16.9 +1.1, K27K Chicken, 39.59 40, 07 19 26.5 0.0, BCAR Beaver Creek A, 39.86 41, 07 19 29.4 +0.6, IB2M Miner Creek, 40.32 37, 07 19 32.6 0.0, G30M Mt Aouth Zraii Nj, 41.59 35, 07 19 43.4 +0.5, IO3M Mount Dempster, 41.83 37, 07 19 44.9 0.0, INK Inuvik, 42.39 32, 07 19 50.0 +0.8, A36M Sachs Harbour, 44.42 26, 07 20 06.1 +0.6, MKAR Makanchi Array, 45.34 296, 07 20 13.6 +0.4, MKAR Makanchi Array, 45.34 296, 07 20 14.0 +0.9, KURBB Kurchatov Arra, 45.93 302, 07 20 18.4 +0.7, ABKAR Akbulak array, 56.99 309, 07 21 38.8 -0.9, AKTO Aktyubinsk, 57.33 311, 07 48 19.0, SUNC FINNESS Array B, 63.13 334, 07 22 04.5 -0.3, NOA NORARS Arra B, 67.48 340, 07 22 48.9 -0.4, HFS Hagfors, 67.67 338, 07 22 50.2 -0.3, WB0 Warramunga Arr, 68.00 197, 07 22 52.9 -0.1, WRA Warramunga Arr, 68.19 197, 07 22 53.8 -0.3, WRA Warramunga Arr, 68.19 197, 07 22 54.1 0.0, AKASG Malin Array Be, 70.43 325, 07 23 07.7 +0.2, ASAR Alice Springs, 71.89 196, 07 23 17.2 +0.5, ASAR Alice Springs, 71.89 196, 07 23 17.6 +1.0, NOA NORARS Arra B, 67.48 340, 07 22 48.9 -0.4, HFS Hagfors, 67.67 338, 07 22 50.2 -0.3, WB0 Warramunga Arr, 68.00 197, 07 22 52.9 -0.1, WRA Warramunga Arr, 68.19 197, 07 22 53.8 -0.3, WRA Warramunga Arr, 68.19 197, 07 22 54.1 0.0, AKASG Malin Array Be, 70.43 325, 07 23 07.7 +0.2, ASAR Alice Springs, 71.89 196, 07 23 17.2 +0.5, ASAR Alice Springs, 71.89 196, 07 23 17.6 +1.0, EKA Eskdale, 75.73 345, 07 23 39.3 +0.7, TXAR Lajitas Array, 78.85 59, 07 23 55.1 -1.4

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Table with columns: TXAR Lajitas Array, 78.85 59, 07 23 56.5 -0.1

NNC 14 07:14:08.5,1.2,50.01N,78.85E,h0km,mb2,6,mpv2,2, Error ellipse: s-maj=12.7km s-min=3.4km az=73.0, Suspected Mining explosion, IDC 14 07:14:09.5,1.2,50.04N,78.69E,h0km,mbmp2,4/2, ML1,8/2,Error ellipse: s-maj=9.7km s-min=7.7km az=48.0, ISC 14 07:14:10.1,1.1,50.06N,0.06,78.70E,0.10,h0km,n15, s=82/22,17C-SD,Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KUR07 Kurchatov Arra, 0.54 348, 07 14 20.3 -0.1, KUR06 Kurchatov Arra, 0.56 349, 07 14 20.4 -0.7, KUR14 Kurchatov Arra, 0.56 353, 07 14 20.5 -0.4, KUR14 Kurchatov Arra, 0.57 351, 07 14 20.5 -0.4, KUR15 Kurchatov Arra, 0.57 349, 07 14 20.9 -0.2, KURBB Kurchatov Arra, 4.5nm,0.3s, 07 14 30.2 -0.2, KURBB Kurchatov Arra, 0.57 349, 07 14 30.9 -0.2, KURBB Kurchatov Arra, 0.5m,0.3s,ba=176,slow=19,SNR=11, 07 14 29.6, KUR16 Kurchatov Arra, 0.58 348, 07 14 21.3 0.0, KUR16, 07 14 31.5 -0.5, KUR17 Kurchatov Arra, 0.59 346, 07 14 31.3 -0.1, KUR17, 07 14 31.4 -0.9, KURK Kurchatov, 0.66 356, 07 14 32.1 -0.6, KURK, 07 14 32.6 -1.7, MAK2 Makanchi, 3.92 145, 07 16 09.9, MK31 Makanchi Array, 4.05 142, 07 15 12.9 -0.4, MK31, 07 15 22.6 +0.4, MK31, 07 16 16.1, MKAR Makanchi Array, 4.05 142, 07 15 13.2 -0.1, MKAR, 07 16 15.5, OTUK Ortau, 4.55 249, 07 15 20.0 -0.2, OTUK, 07 16 33.0, I46RU ZALESOVO INFRA, 5.43 42, 07 45 30.0, ZALV Zalesovo Beam, 5.43 42, 07 45 33.8 +1.6

NOU 14 07:28:54.2,21.44S,-168.83E,h0km,MLV4,3/7,Loyalty Islands,Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, MARNC Mare, Loyalty, 0.75 267, 07 29 08.6 +0.1, LIFNC LIFOU, 1.62 294, 07 29 23.8 -0.3, PINNC Pines Island, 1.73 227, 07 29 25.7 +0.1, OUCNC Ouen Island, N, 2.09 242, 07 29 30.2 -0.3, DZM Mont Dzumac, 2.31 254, 07 29 32.8 -0.8, ONTC Ouen Toro, 2.37 248, 07 29 33.9 -0.5, NOUC Port Laguerre, 2.44 254, 07 29 35.2 -0.1

IDC 14 07:29:31.9,3.3,21.03S,168.86E,h0km,mb4,1/6, mbmp4,1/8,ML4,1/2,MS3,5/15,Error ellipse: s-maj=60.9km s-min=26.4km az=22.0, NEIC 14 07:29:36.2,1.8,21.62S,0.09,168.86E,0.05,h10km,1km, mb4,3/9,Error ellipse: s-maj=15.7km s-min=7.0km az=19.0

ISC 14 07:29:37.1,1.1,21.5S,0.1,168.63E,0.08,h20km,n40, s=145/30,mb4,4/10,MS3,5/13,2C-1D,Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, MARNC Mare, Loyalty, 0.75 274, 07 29 08.7 +1.7, PINNC Pines Island, 1.55 225, 07 30 03.9 -0.8, OUCNC Ouen Island, N, 1.89 241, 07 30 09.0 +0.1, DZM Mont Dzumac, 2.11 255, 07 30 15.3 0.0, DZM Mont Dzumac, 2.11 255, 07 30 12.6 +0.7, DZM, 07 30 36.1 -1.5, DZM Mont Dzumac, 2.11 255, 07 30 14.9 -0.4, DZM, 07 30 41.3 +0.2, ONTC Ouen Toro, 2.17 248, 07 30 14.1 +1.4, ROUNC Koumang, New Ca, 4.17 283, 07 30 14.7 +1.4, HNR Honiara, 14.64 324, 07 37 03.1, ARMA Armidale, 17.66 236, 07 33 48.1 +4.6, ARMA, 07 34 03.7, URZ Urewera, 18.21 158, 07 33 51.0 +1.5, URZ, 07 38 56.2, CTA Charters Tower, 20.97 270, 07 42 12.4, RPZ Rata Peaks, 22.22 175, 07 41 31.2, STKA, 07 45 23.5, RAR Rarotonga, 29.40 95, 07 44 38.2, WB0 Warramunga Arr, 32.05 267, 07 46 36.7, WB0, 07 46 40.4, WRA Warramunga Arr, 32.08 267, 07 46 36.3 -0.5, WRA Warramunga Arr, 32.08 267, 07 46 36.2 -1.2, ASAR Alice Springs, 32.09 259, 07 46 36.2 -0.5, ASAR, 07 49 31.3, MTN Manton Dam, 36.77 277, 07 46 44.4 +0.1, FITZ Fitzroy Crossi, 40.50 267, 07 47 14.9 -0.6, BATT Batt, 44.55 271, 07 56 24.2, WADI Wanda, 50.16 182, 07 58 17.1 +1.7, NPV Narogin (SRO), 46.70 245, 07 57 02.4, KAP Kappang, 50.06 182, 07 58 30.1, QSPA South Pole Qit, 65.84 180, 07 40 36.1 -2.7, QSPA South Pole Qit, 65.84 180, 07 40 39.1 +0.4, QSPA, 08 07 26.3, MAW Mawson, 76.12 202, 07 41 21.4 -2.3, MAW, 07 41 29.6, MAW, 07 41 24.4 +0.7, BELA Belgrano 2, 79.89 175, 07 41 44.0 -0.6, BELA, 07 41 49.1, KDAK Kodiak Island, 85.36 20, 08 16 28.8, TROLL Troll, Antarti, 86.23 184, 07 42 17.4 -0.2, SNAAS Sanae, 86.87 183, 07 42 20.3 -0.4, SNAAS, 07 42 25.5

14d 8h

Table with columns: Call sign, Frequency, Mode, Power, Status, Time, Azimuth, Elevation. Includes stations like BCAR, HHC, SCRC, ILAR, CMAR, PDAR, PZH, ZALV, MKAR, KURBB, BVAR, SPAO, SPITS, ARU, AKTO, GEYT, HAMF, KEV, ARAO, ARCES, JETT, KTKI, TRO, STEI, FAUS, KONS, NSS, FINES, NB2, NOA, HFS, AKASG, AKKB, APRK, DPC, CLL, CLL, KRLC, MORC, BRG, BRG, FBE, PVCC, MAUC, RICC, HSKO, VRAC, GOPC, PRU, JAVX, TANN, WERD, KASTN, GUNZ, KRUC, WERN, TREC, ZVC, MANZ, ROTZ, KHC, MEM, BTNL, TNS, CKRC, GECZ, GERES, GERES, CONA, BMRD, RONA, RCHB, MOHB, LESA, BFO, UBR, WTTA, EDCA, TORO.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BARC, PAMC, BRRC, RUSC, PTBC, TAMC, TMC, SPBC, ZARC, NORC, CHIC, ROSC, MEDEC, UREC, GUYZ, PTGC, NIZA, CBOC, DBBC, ARGC, SDV, APAC, PRAC, ORTC, SJCC, PLMC, LCBC, CRJOC, YOTC, SMRC, CAPC, BETC, URIC, JAMC, GARC, POPC, FLOC, MARNC, LIFNC, PINNC, PIINC, QUENC, DZM.

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Table with columns: Call sign, Frequency, Mode, Power, Status, Time, Azimuth, Elevation. Includes stations like DZM, ONTC, NOUC, KOUNC, MINSV, CTA, STKA, STKA, BBOO, WBO, WRA, WRA, ASAR, ASAR, MTN, KNRA, FITZ, SBA, SBA, CASY, QSPA, QSPA, GSPA, CMAR, BELA, BELA, R17K, SNAK, ARCES, EKA, EKA, DAVOS, TORO, TORO, NNC, SOME, Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KKAR Karatay Array, NIL Niore, AKASG Malin Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GUMO Guam, H1N1 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NIUE Niue, AFU Afiamalu, etc.

Main table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like DZM 26nm,22.8s, PPT Paapeete, URZ Urewera, etc.

UCR 14 09:56:41.3.0.8.8:26N-82:20W,h2km,6km,MW3.8
LPA 14 09:56:42.9.1.0.8:29N-82:30W,h19km,3km,MW3.7
CATAC 14 09:56:42.0.9.8:16N-83:03W,h10km,ML3.6

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PTPM Petroterinale, LIMO3 Limones, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like VINA Juan Vinas, REPA Paraso, LCR2 La Lucha 2, etc.

IDC 14 10:36:49.5:7.1, 14:82N:90:16W,h0km,mb3.7/1,
mbtmp3.4/2,ML3.6/1,MS2.7/1, Error ellipse:
s-maj=523.4km s-min=72.7km az=40.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SULM Suchitepequez, STG3 Santiago 3, etc.

BER 14 10:40:30.0e-1.58:03N:11:39E,h0km,ML1.7,Suspected explosion
DNK 14 10:40:31.0e-1.0,58:19N:11:15E,h0km,8km
UPP 14 10:40:31.4e-0.2,58:17N:11:24E,h0km,ML2.0,

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various stations like TJOJ, VANU, ONAU, etc.

UPP 14 10:40:38.1e-0.2,58:16N:11:26E,h0km,ML2.2, Suspected explosion, Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various stations like VANU, ONAU, STRU, etc.

BGR 14 10:49:03.4, 17.67S:176.88W,h33km
BUJ 14 10:50:04.0e-0.0,17.71S:177.68W,h600km,mb4.9/6.0, mb5.1/38

NEIC 14 10:50:05.5, 18:18S:177.99W,h598km
MOS 14 10:50:05.9e-1.18:14S:176.14W,h606km,mb5.0/24, Error ellipse: s-maj=8.8km s-min=9.1km az=0.8

NEIC 14 10:50:05.5, 18:18S:177.99W,h600km, Moment Tensor Solution. Duration: 288 Moment tensor: Scale 1017Nm;

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various stations like TAVE, UDTI, MSVF, etc.

Table with columns: FUNA, FUNAFU, RAO, etc. Lists various stations and their coordinates.

Table with columns: QUZ, GRZ, WUZ, etc. Lists various stations and their coordinates.

Table with columns: RIGZ, RTZ, RTA, etc. Lists various stations and their coordinates.

Table with columns: TIAR, FOZ, LBZ, etc. Lists various stations and their coordinates.

Table with columns: ODZ, PMOR, MLZ, etc. Lists various stations and their coordinates.

Table with columns: ARMA, ARMA, ARMA, etc. Lists various stations and their coordinates.

Table with columns: CTAO, CTAO, CTAO, etc. Lists various stations and their coordinates.

Table with columns: PMG, PMG, PMG, etc. Lists various stations and their coordinates.

Table with columns: OOD, BBOO, BBOO, etc. Lists various stations and their coordinates.

Table with columns: WRA, WRA, WRA, etc. Lists various stations and their coordinates.

Table with columns: MULG, AS31, AS31, etc. Lists various stations and their coordinates.

Table with columns: ASAR, ASAR, ASAR, etc. Lists various stations and their coordinates.

Table with columns: SMPI, KDU, KDU, etc. Lists various stations and their coordinates.

Table with columns: FAKI, FAKI, FAKI, etc. Lists various stations and their coordinates.

14d 10h

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like TMTI Ternate, SANI Sanana, MBWA Marble Bar, etc.

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Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like YULB Yu-li, NACB Ninganchiao, UNV Unalaska Valle, etc.

970

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like M13K Dall Lake, GMRC Granite Mounta, FURC Furnace Creek, etc.

Table with columns: PWL, Port Wells, 82.29, 14, P, P, 11 01 24.0 -0.7, etc.

Table with columns: BJI, Beijing, 84.23, 315, P, P, 11 01 35.0 +0.3, etc.

Table with columns: I23K, Minto, Yukon-K, 85.89, 12, Iamb, Iamb, 11 01 42.9, etc.

14d 10h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like I26K Coal Creek Min, EGAK Eagle, H17A Grant Village, etc.

2017 NOV

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like K22A Casper, E25K Arctic Village, KOTAN Kotaneelee Arr, etc.

972

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like D28M Stokes Point, TNCH FengChong, R32A Long Quarter, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like KIS, LJV, MILM, BNN, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like VYHS, UBBA, JUNC, GAVZ, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like ONAU, STRU, GNOU, etc.

Table titled 'UPP 14:05:17.6-0.2, 58°17N-11°28E, h0km, ML2,1, Suspected explosion, Sweden'. Lists station names and coordinates.

Table titled 'NEIC 14:05:19.5-0.8, 09°18N-0°07-155°30W, 0.06, h5 k1ms, 3km, Error ellipse: s-maj=12.57 km s-min=4.3 km az=144.0'. Lists station names and coordinates.

Table titled 'HVO 14:05:19.6-0.9, 18°18N-0°03-155°14W, 0.04, h13 km, 6km, ML2.3/6, ML2.5/2(NEIC), Error ellipse: s-maj=5.7 km s-min=2.9 km az=126.0, Hawaiian Islands'. Lists station names and coordinates.

Table titled 'BER 14:05:08.4-1.1, 57°96N-11°53E, h0km, ML1.8, Suspected explosion'. Lists station names and coordinates.

Table titled 'UPP 14:05:10.9-0.2, 58°17N-11°25E, h0km, ML1.9, Suspected explosion'. Lists station names and coordinates.

Table titled 'ISC 14:05:09.4-0.8, 58°16N-0°03-117E:0.04, h0km, n41, 0504/54, Sweden'. Lists station names and coordinates.

14d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HATHI, OBL, SBLH, JOKA, KHU, etc.

UCR 14 11:03:45.0, 7.8, 60N-84.09W, h18km, 4km, MW3.7
UPA 14 11:03:47.7, 1.1, 80N-83.93W, h0km, 57km, MW3.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LLNJ, BUN, EDP2, etc.

IDC 14 11:04:48.2, 1.7, 62S-178.89W, h544km, 22km, mb3.0/4, mbmp3.8/5, Error ellipse: s-maj=41.9km s-min=31.4km

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

IDC 14 11:28:24.1, 1.7, 58N-111.31E, h0km, mbmp3.4/4, ML2.5/5, Error ellipse: s-maj=14.8km s-min=12.9km

UPP 14 11:28:27.9, 2.0, 58N-117N-11.30E, h0km, ML2.2, Suspected explosion

DNK 14 11:28:28.1, 0.8, 58N-111.27E, h0km, ML2.2(UPP), Explosion

IDC 14 11:28:24.2, 1.5, 58N-110.06E, h0km, n23, alpha173/22, Sweden

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

ROM 14 11:31:01.9, 0.1, 42.934N, 0.004, 13.013E, 0.005, h11km, ML0.6/8, Error ellipse: s-maj=0.4km s-min=0.3km az=171.0, Central Italy

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

2017 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FDMO, NRCA, MC2, etc.

ROM 14 11:31:59.9, 0.2, 43.103N, 0.006, 13.44E, 0.01, h23km, 1km, ML2.2/6, Error ellipse: s-maj=0.7km s-min=0.7km az=230.0, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MNTP, GUMA, CSP1, etc.

IDC 14 11:38:30.0, 2.2, 6.85S, 129.05E, h0km, mb3.5/1, mbmp3.6/4, ML3.7/3, Error ellipse: s-maj=56.1km s-min=33.2km az=72.0

IDC 14 11:38:47.2, 1.5, 7.45S, 0.2, 128.6E, 0.4, h150km, n10, alpha397/7, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CING, EL6, MTRA, etc.

IDC 14 11:38:30.0, 2.2, 6.85S, 129.05E, h0km, mb3.5/1, mbmp3.6/4, ML3.7/3, Error ellipse: s-maj=56.1km s-min=33.2km az=72.0

IDC 14 11:38:47.2, 1.5, 7.45S, 0.2, 128.6E, 0.4, h150km, n10, alpha397/7, Banda Sea

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

IDC 14 11:39:03.7, 999.0, 48.31N, 48.24E, h0km, Error ellipse: s-maj=2836.0km s-min=155.8km az=67.0, Western Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I31KZ, I46RU, I34MN.

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THE 14 12:15:12.9, 36.97N-27.71E, h6km, 1km, ML3.7/6, Error ellipse: s-maj=1.7km s-min=0.6km az=247.0
ISK 14 12:15:12.8, 36.97N-27.70E, h6km, ML3.5/26
AFAD 14 12:15:12.8, 0.0, 36.96N-27.62E, h18km, 1km, MW3.7
ATH 14 12:15:15.9, 36.93N-27.61E, h33km, 4km, ML3.3/7

Manual Solution by A.Moschou First location: 2019/04/09 09:10:15, This location: 2019/04/09 09:09:45 ML
Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 6 km; Longitude uncertainty: 5 km

ISC 14 12:15:12.8, 0.0, 36.96N, 0.02, 27.64E, 0.02, h13km, 4km, n73, alpha98/12, Dodecanese Islands

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RFTAA, BDRM, DAT, etc.

TAP 14 12:22:47.9, 24.05N-122.94E, h30km, ML2.9, D
JMA 14 12:22:48.2, 0.1, 24.0N, 0.6, 123.0E, 0.3, h29km, 1km, MW2.4/14, NW OFF ISHIGAKIUMA IS

ISC 14 12:22:43.6, 1.2, 23.85N, 0.03, 122.98E, 0.02, h13km, 9km, n92, alpha83/150, Taiwan region

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like HATJ, IRIF, EIOS, JKRS, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like LONT, WHYT, PCYT, LIOB, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MKAR, SJA, GUC, ISC, etc.

14d 14h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists various stations and their coordinates and times.

2017 NOV

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists various stations and their coordinates and times.

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Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists various stations and their coordinates and times.

Table with columns: Station Name, Frequency, Band, Mode, SNR, and other technical details. Includes stations like WRA, WB0, VVDA, WRKA, MTN, KNRA, FITZ, NWA0, CASY, GUMO, BATI, QSPA, RPN, KAPI, DAV, JAGI, PMSA, MAW, LEM, TGY, ELIB, SNA, KSR, GSI, PETK, NJ2, YBH, NVAR, MDJ, ELK, CLR, TXAR, CMIG, NNA, LVC, CMAR, ATAH, MA2, NEW, PZH, PDAR, HHC, LPAZ, BTO, BTP, MKAR, ZALV, KURBB, BVAR, KBZ, FINES, NB2, NOA, HFS, HFS.

Table with columns: Station Name, Frequency, Band, Mode, SNR, and other technical details. Includes stations like MMAI, AKASO, BRTR, CHVC, DPC, KRLC, ZLL, KHC, GERE, TORO, TORO, JMA, JYNG, JYNG, YOJ, YOJ, TWB1, E0S2, E0S2, E0S3, SXI1, SXI1, TIPB, TIPB, TWC, TWC, TWC, E0S4, E0S4, E0S4, ENA, ENA, FUSB, FUSB, YMO1, YMO1, YMO1, ENTT, ENTT, NHHD, NHHD, NWLT, NWLT, NDT, NDT, LATG, LATG, YHNB, YHNB, NSK, NSK, ETL, ETL, IRIF, IRIF, NACB, NACB, NNSB, NNSB, NNS, NNS, TWD, TWD, ETLH, ETLH, HWA, HWA, ETM, ETM, NFF, NFF, NFF, LXIB, LXIB, LXIB, WHF, WHF, TWT, TWT, TWT, TDCB, TDCB.

Table with columns: Station Name, Frequency, Band, Mode, SNR, and other technical details. Includes stations like TDCB, LIOB, LIOB, SBBC, SBBC, NNST, NNST, NNST, NNST, CHGB, CHGB, JISG, JISG, OWD, OWD, WARB, WARB, EGFH, EGFH, WUSB, WUSB, WHP, WHP, VWDT, VWDT, VWDT, TWQ1, TWQ1, WCS, WCS, WCS, HGSD, HGSD, EHY, EHY, SMLT, SMLT, SSSL, SSSL, SSSL, TYC, TYC, TYC, JTJ, JTJ, YULB, YULB, WHY, WHY, WJS, WJS, WJS, FULB, FULB, FULB, CHKT, CHKT, CHKT, ALS, ALS, ALS, EHD, EHD, CHNS, CHNS, CHNS, ELDTW, ELDTW, ELDTW, EDH, EDH, EDH, WRL, WRL, WRL, JIRB, JIRB, WCKO, WCKO, WCKO, JIKM, JIKM, JIKM, CHN4, CHN4, CHN4, STYH, STYH, STYH, TPUB, TPUB, TPUB, LDUT, LDUT, LDUT, WTP, WTP, WTP, JM2J, JM2J, TWG, TWG, TWG, JOGS, JOGS, JOGS, SNST, SNST, SNST, CHN1, CHN1, CHN1, SGST, SGST, SGST, SLGT, SLGT, SLGT.

NOU 14:43:01.2, 20:00S: 179:56E, h140km, mb4.2/12, South of Fiji Islands
NEIC 14:43:24.1, 2:0, 20:3S: 0:2x:177:6W: 0:1, h57km: 13km,

14d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes data for stations like Nonsavv, Afi Afiamalu, RAO, etc.

14d 15:16:02.5-0.6, 34.65N-45.52E, h0km, mb4.0/20, mbmp4.0/30, ML3.4/8, MS3.1/7, Error ellipse: s-maj=13.6km s-min=11.4km az=139.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes data for stations like KSB, IDHR, IGHG, etc.

2017 NOV

Main table with columns: S, P, N, ISC, Time, Res, h m s, ISC. Lists stations like Nakhchivan, Gamsar, Yrd, etc.

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Table with columns: YTR, YKAR, KIV, etc. Includes station names and associated data.

Table with columns for station code, name, time, and other details. Includes stations like KKAR Karatay Array, TRKS Terek-Say, OBNS Obninsk, ARK Arkit, MOS Moscow, LVV Lvov, KOLS Kolonicke sedl, CRVS Cervencia-Dubn, PSZ Piszkesteto, ARU Arti, NIE Niedzica, KIRV Kirov, SVE Sverdlovsk, SUW Suwalki, JAVC Velka Javorina, MAUC Maruska, OKC Ostrava-Krasne, BRVK Borovoye, BVAR Borovoye Array, RONA Rosalia, MORC Moravsky Berou, CONA Conrad Observna, VRAC Vranov, KRUC Moravsky, KLMR Klimovskoe, TREC Trest, CHVC Chvalec, MOA Molin, PRGR Permogore, GERES GERESS Array B, WTAA Wattenberg, KURB Kurchatov Arra, KURK Kurchatov, FINES FINESS Array B, MK31 Makanchi Array, MKAR Makanchi Array, BNI Bardonecchia, PYUN Pluthan, LODK Lodwar, DANN Danging, HFS Hagfors, ZAAO Zalesovo Array, ZALV Zalesovo Beam, WHQ Urumqi, GKN Gorkha, DGZ Jazzartur, NB2 NORSAR Subarray, NOA NORSAR Array B.

Table with columns for station code, name, time, and other details. Includes stations like PKIN Pulchok, PKI Pulchok, GUN Gumba, JIRN Jiri, RAMN Ramite, KMBO Kilima Mbogo, TAPN Tapejung, ARCES ARCESS Array B, MBAR Mbarara, EKA Eskdalemuir, ESDC Sonseca Array, GTA Gaotai, TOAO Torodi Ar. Sit, TORO Torodi Ar. Bea, SPITS Spitsbergen Ar, PZH PanZhiHua, CMAR Chiang Mai Arr, HHC Hu-ho-hao-te, DBIC Dimbokro, VOI Vohitsoka, NRS Narsarsuaq, LBTB Lobatse, KRSR Korea Array, BOSA Boshof, B22K Teshekpuk Lake, PEAOB Petropavlovsk, PETK Petropavlovsk, D19K Kuna River, E22K Anaktuvuk Pass, E28M Babbage River, E25K Arctic Village, E29M Blow River, F24K Squaw Lake, BMAR Burnt Mountain, IMAR Indian Mountain, G31M Satah River, H21K Melozitna Rive, I28M Miner Creek, J30M Hart River, BCAR Beaver Creek, GSPA South Pole Qui, IDC 14 16:06:01.5, UPA 14 16:06:04.1, CATALOG 14 16:06:05.1, UCR 14 16:06:05.3, NEIC 14 16:06:06.1, ISC 14 16:06:05.0, JACO JACO, JACO JACO, JACO JACO, JACO JACO, SVQZ Quepos, LLNJ Naranjito.

Table with columns for station code, name, time, and other details. Includes stations like LLNJ Finca La Fe, P, CBL1 Cabuya, TRB2 Turubayas, ACOSTA Acosta, ARZA Esparza, ABE2 San Pablo, SAN MARCOS DE LA LUCHA 2, LCR2 La Lucha 2, LCR2 La Lucha 2, SRA1 San Ramn, SRA1 San Ramon, BELE Belen, AMPA Desamparados, TABLN Tablon, Guarco, EDDO Dominical, EDDO Dominical, NARAN Naranjo de Ala, GREC Grecia, LUJA Lujan, MEXI Barrio Mexico, EDIA Heredia, ESCUELA Geolog, SJS Mercedes San J, SJS3 Santo Domingo, HDC Heredia, HDC Heredia, HDC3 Heredia 3, HDC3 Heredia 3, OCM Ochomogo, OCM Ochomogo, ZARE Zarco, RIMA Rio Macho, RIMA Rio Macho, RIMA Rio Macho, CORON Coronado, CDM Cerro de Muert, CDM Cerro de Muert, REPA Paraso, BUSI Rivas, VPT E Poasito, VPT E Poasito, VPS6 Volcano Poas, ZEZE Perez Zeledon, CVIMO Finca Echandi, CPMI Catarata Coope, CPMI Catarata Coope, MONTE Monteverde, PCAYA Pacayas, JUNT Juntas, HAYA Volcan Izazu, VICA Volcano Izazu, JTS Las Juntas de, ICR3 Volcano Izazu, RAFA San Farael, Vo, OCHAL Ojochal, VINA Juan Vinas, SOCE Pocosol, SOCE Pocosol, INDI Punta indio, G, INDI Punta indio, G, VTRT Volcan Turrial, CMARA Lajas Hojancha, VTLA Turrialba Volc, CVTO Turrialba Volc, VTRT Volcan Turrial, CVTR Tajo, TURIB Turrialba, CVTR Volcan Turrial, VTCV VTCV, Calle Va, VERB Verbena, ARE1 Arenal 1, ARE1 Arenal 1, TUNA La Fortuna, VACR Volcan Arenal, VACR Volcan Arenal, VTLO VTLO.

Table with columns for station name, coordinates, and time. Includes stations like NARANJAL, LAGUNA CEDEO, DULCE NOMBRE, etc.

Table with columns for station name, coordinates, and time. Includes stations like GANDOCA, PASO ANCHO, PETROTERMINALE, etc.

Table with columns for station name, coordinates, and time. Includes stations like SPITSBERGEN AR, ADAR, TORO ARR, etc.

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
NEEM	comp=Z,15m,0.3s									
NEEM	North Greenland	9.11 267	eP	Pn			18	19	03.2	-1.5
NEEM			eS	Sn			18	20	40.3	-6.9
NEEM			IAML				18	20	45.6	
JMIC	comp=Z,15m,0.3s									
JMIC	Jan Mayen	10.78 187	eP	Pn			18	19	26.1	-1.2
JMIC	Jan Mayen	10.78 187	eP	Pn			18	19	31.1	+3.8
JMIC	comp=Z,14m,0.3s,baz=347,slow=18,SNR=7.2									
JMIC	Jan Mayen	11.51 237	eP	Pn			18	19	27.3	-0.8
JMI	Summit	11.51 237	eP	Pn			18	19	36.4	-1.2
SUMG			eS	Sn			18	21	35.6	-1.1
SUMG	Summit	11.51 237	eS	Sn			18	19	36.9	-0.6
SUMG			eS	Sn			18	21	38.8	-7.3
SUMG	comp=Z,17m,0.3s									
SUMG	Summit	11.51 237	eP	Pn			18	19	36.9	-0.6
SUMG			eS	Sn			18	21	38.8	-7.3
SUMG			IAML				18	21	48.4	
SCO	comp=Z,17m,0.3s									
SCO	Scoresbysund	11.88 209	Pn	Pn			18	19	44.4	+2.1
SCO	Scoresbysund	11.88 209	iP	Pn			18	19	49.1	+6.8
SCO			IAML				18	22	06.8	
SCO	comp=Z,3.9m,0.3s									
SCO	Scoresbysund	11.88 209	iP	Pn			18	19	49.1	+6.8
SCO			IAML				18	22	06.8	
EUNU	Eureka	12.06 305	Pn	Pn			18	19	42.4	-2.4
KULLO	Kullorsuaq	12.30 264	iP	Pn			18	19	45.9	-2.2
KULLO			IAML				18	21	58.0	
KULLO	Kullorsuaq	12.30 264	iP	Pn			18	19	45.9	-2.2
KULLO			IAML				18	21	58.0	
TULEG	comp=Z,9.6m,0.4s									
TULEG	Thule	12.38 281	Pn	Pn			18	19	45.0	-4.1
HAMF	Hammerfest	12.73 134	Pn	Pn			18	19	55.5	+1.6
HAMF			Sn	Sn			18	22	10.8	-4.6
HAMF	Hammerfest	12.73 134	eP	Pn			18	19	57.1	-2.2
TRO	Tromsø	13.20 01.3	eP	Pn			18	20	01.3	+0.5
JETT	Jettan, Norway	13.24 142	eP	Pn			18	20	04.0	+0.3
JETT	Upernivik	13.70 259	iP	Pn			18	20	15.4	+2.7
UPNV	Upernivik	13.70 259	iP	Pn			18	20	04.4	-2.7
VADS	Vadso	13.86 127	eP	Pn			18	20	06.1	-3.2
KEV	Kevo	13.93 130	Pn	Pn			18	20	09.0	-1.3
KEV	Kevo	13.93 130	eP	Pn			18	20	09.7	-0.6
ARAO	ARCESS Array S	13.98 133	Pn	Pn			18	20	10.2	-0.7
ARAO	comp=Z,348,slow=14			Sn	Sn		18	22	34.7	-1.1
ARAO	comp=Z,356,slow=22			Pn	Pn		18	20	10.0	-1.0
ARAO	ARCESS Array S	13.98 133	eP	Pn			18	20	10.0	-1.0
ARAO	comp=Z,348,slow=14			Sn	Sn		18	22	34.7	-1.1
ARAO	comp=Z,356,slow=22			Pn	Pn		18	20	11.5	+0.5
ARCES	ARCESS Array B	13.98 133	Pn	Pn			18	20	10.6	-0.3
ARCES	comp=Z,0.4m,0.3s,baz=354,slow=11,SNR=28			Sn	Sn		18	22	35.7	-1.0
ARCES	comp=Z,0.2m,0.3s,baz=359,slow=18,SNR=6.0			LR	LR		18	24	43.3	
ARCES	comp=Z,72m,20.6s,baz=70,slow=34			LR	LR		18	20	14.1	+2.6
KIF	Kilpisjärvi	14.02 140	Pn	Pn			18	20	12.6	+1.1
KIF	Kilpisjärvi	14.02 140	eP	Pn			18	20	15.4	+2.7
KTKI	Kautokero	14.25 137	eP	Pn			18	20	19.1	-3.3
LOF	Loften	14.28 151	eP	Pn			18	20	23.5	-2.4
STEI	Steigen	14.60 149	eP	Pn			18	20	25.6	+2.5
HEF	Hetta	14.87 137	eP	Pn			18	20	25.6	+2.5
HEF	Hetta	14.87 137	eP	Pn			18	20	23.5	-0.5
ICESG	Greenland Ices	14.91 233	eP	Pn			18	20	23.5	-0.5
ICESG			IAML				18	23	03.2	
ICESG	Greenland Ices	14.91 233	eP	Pn			18	20	22.4	-2.9
ICESG			IAML				18	23	11.9	
UMMG	Uummannaq	15.03 251	eP	Pn			18	20	22.4	-2.9
UMMG			IAML				18	23	11.9	
UMMG	Uummannaq	15.03 251	eP	Pn			18	20	22.4	-2.9
UMMG			IAML				18	23	11.9	
SALU	Saltoluoka	15.40 145	eP	Pn			18	20	34.9	0.0
APAO	Apatity Array	16.67 125	eP	Pn			18	20	45.5	-1.0
APAO	comp=Z,54m,20.6s,baz=17,slow=31			Pn	Pn		18	20	45.5	-1.0
APAO	Apatity Array	16.67 125	eP	Pn			18	20	52.8	-4.2
RES	Resolute Bay	17.51 298	eP	IAMB	IAMB		18	20	53.2	-3.7
RES	comp=Z,11m,0.7s			Pn	Pn		18	26	09.6	
RES	Resolute Bay	17.51 298	eP	Pn			18	20	53.2	-3.7
BORG	Borgarnes	17.52 204	Pn	LR	LR		18	21	03.4	-2.9
SFJD	Kangerlussuaq	18.26 244	Pn	IAMB	IAMB		18	21	04.8	-1.4
SFJD	comp=Z,18m,0.9s			IAML	IAML		18	24	18.4	
SFJD	Kangerlussuaq	18.26 244	iP	Pn			18	21	04.8	-1.4
SFJD			IAML				18	24	18.4	
SFJD	comp=Z,5.6m,0.4s			Pn	Pn		18	21	04.2	-2.1
SFJD	Kangerlussuaq	18.26 244	iP	Pn			18	21	04.2	-2.1
SFJD			IAML				18	24	18.4	
SFJD	comp=Z,7.9m,0.4s,baz=92,slow=7.8,SNR=8.3			Sn	Sn		18	24	10.4	-1.6
SFJD	comp=Z,125m,18.3s,baz=14,slow=36			LR	LR		18	27	50.0	
NC204	NORSAR Array S	20.92 159	P	IAMB	IAMB		18	21	34.6	-0.9
NC204			IAMB	IAMB			18	22	05.5	
NC303	NORSAR Array S	21.00 158	P	IAMB	IAMB		18	22	36.9	+0.5
NC303			IAMB	IAMB			18	21	16.3	
NC405	NORSAR Array S	21.14 158	P	IAMB	IAMB		18	21	38.6	+0.8
NC405			IAMB	IAMB			18	22	23.7	
NOA	comp=Z,19m,1.4s			Pn	Pn		18	21	41.6	+3.3
NOA	NORSAR Array B	21.18 158	P	LR	LR		18	20	06.4	
NOA	comp=Z,1.4m,0.8s,baz=350,slow=11,SNR=5.3			LR	LR		18	21	44.2	+2.5
NRAO	NORESS Array S	21.50 158	P	P			18	21	44.2	+2.5
NRAO	comp=Z,29m,18.2s,baz=260,slow=32			P	P		18	21	48.6	+2.5
NRAO	NORESS Array S	21.50 158	P	P			18	21	48.6	+2.5
FAIO	FINESS Array S	21.91 139	P	P			18	21	48.6	+2.5
FAIO	comp=Z,346,slow=12			P	P		18	21	48.6	+2.5
FAIO	FINESS Array S	21.91 139	P	P			18	21	46.9	+0.8
FINES	FINESS Array B	21.91 139	P	P			18	21	48.3	+2.3
FINES	comp=Z,3.0m,0.6s,baz=357,slow=10,SNR=8.9			PcP	PcP		18	25	45.7	+1.3
FINES	comp=Z,1.5m,0.8s,baz=347,slow=1.9,SNR=3.8			LR	LR		18	30	18.2	
FINES	comp=Z,48m,20.5s,baz=302,slow=37			P	P		18	21	53.1	+3.6
HFS	Hagfors	22.23 155	P	P			18	20	40.3	
HFS	comp=Z,9m,1.2s,baz=18,slow=9.7,SNR=2.4			P	P		18	22	07.2	0.0
FRB	Frøbisjer Bay	23.83 261	LR	LR			18	22	07.2	0.0
KLMR	Klimovskoe	23.97 123	P	P			18	22	10.1	+2.7
PRGR	Permogore	24.00 115	P	P			18	22	39.7	+0.3
EKA	Eskdalemir Ar	26.47 178	P	P			18	22	52.3	+0.1
EKA	comp=Z,0.6m,0.6s,baz=10,slow=8.5,SNR=1.5			P	P		18	22	53.2	+0.4
D27M	Malcolm River	27.52 328	P	P			18	23	04.2	
C23K	Itkillik River	27.61 335	P	P			18	22	53.8	-0.7
INIK	Inuvik	27.81 322	LR	LR			18	22	53.8	-0.7
B2K	comp=Z,38m,18.6s,baz=193,slow=62			Pn	Pn		18	22	43.9	-0.1
E25K	Arctic Village	28.97 331	P	P			18	22	52.3	+0.1
F28M	Arctic Village	29.04 326	P	P			18	22	53.2	+0.4
F28M			IAMB	IAMB			18	23	04.2	
E24K	Your Creek	29.22 333	P	P			18	22	53.8	-0.7
E24K			IAMB	IAMB			18	23	04.2	
G31M	Satah River	29.37 321	P	P			18	22	55.2	+0.7
D19K	Kuna River	29.38 340	P	P			18	22	55.9	+0.2
G29M	Pine Creek	29.56 324	P	P			18	22	57.6	+0.1

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
G29M	comp=Z,3.8m,1.1s			IAMB	IAMB		18	23	07.7	
F24K	Squaw Lake	29.73 332	P	P			18	22	59.5	+0.6
H29K	Whitestone	30.28 324	P	P			18	23	04.9	+1.0
E19K	Redstone River	30.35 339	P	P			18	23	04.8	+0.4
F20K	F20K		IAMB	IAMB			18	23	15.7	
F20K	Avaaraat Lake	30.67 338	P	P			18	20	36.	

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Pamatai, Raukawa, RUGZ, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CTAO Charters Tower, CMAA Cobar Meteorol, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like RPN Rapa Nui, BNDI Bandanaira, etc.

PNL	Peninsula	82.75	16	P	P	18 56 24.7 +0.8
NEW	Newport	82.79	33	LR	LR	19 27 18.2
CROM	Cirque	82.81	14	P	P	18 56 22.7 -1.6
CRQE	Cirque	82.81	14	P	P	18 56 24.3 0.0
M23K	Glacier View	82.82	11	P	P	18 56 24.1 0.0
ISLE	Juniper Island	82.85	14	IAMB	IAMB	18 56 25.1
TGL	Tana Glacier	82.87	14	IAMB	IAMB	18 56 25.3
TGL	KLU			IAMS_20	IAMS_20	19 25 37.6
KLJ	Klutina	82.89	12	P	P	18 56 24.2 -0.3
PINM	Pinnacle	82.90	15	P	P	18 56 24.3 -0.3
SCM	Sheep Creek Mo	82.93	11	IAMB	IAMB	18 56 35.6
SCM	Sheep Creek Mo	82.93	11	P	P	18 56 25.5 +0.7
CUT	Chullina	82.95	10	IAMS_20	IAMS_20	19 28 48.6
CUT	Chullina	82.95	10	P	P	18 56 24.2 -0.6
MDJ	Mudanjiang	82.97	322	P	P	18 56 26.6 +1.3
MDJ	MDJ			PcP	PcP	18 56 29.9 +0.1
MDJ	MDJ			pP	pP	18 56 31.3 -0.5
MDJ	MDJ			PP	PP	18 59 38.3 +1.9
MDJ	MDJ			S	S	19 06 47.3 +4.5
MDJ	MDJ			S	S	19 06 54.3 +0.8
MDJ	comp=Z,21nm,2.0s				pmax	pmax
MDJ	comp=Z,390nm,6.5s					
MDJ	comp=Z,1µm,14.3s				LR	LR
MDJ	comp=Z,520nm,14.2s				LR	LR
MDJ	comp=Z,550nm,16.4s				LR	LR
TABL	Table Mountain	82.99	15	P	P	18 56 23.2 -2.1
TABL	Table Mountain			IAMB	IAMB	18 56 26.5
S22A	4UR Ranch, Cre	83.02	46	P	P	18 56 28.1 +2.0
J18K	Innoko River	83.09	7	IAMB	IAMB	18 56 27.1
J18K	Innoko River	83.09	7	P	P	18 56 26.3 +0.8
I17K	Unalakleet	83.13	5	P	P	18 56 27.0 +1.4
P29M	Windy Craggy	83.15	17	P	P	18 56 26.9 +0.9
GRNR	Gornyy	83.17	330	eP	eP	18 56 26.6 +0.4
N25K	Chitina, Valde	83.26	13	P	P	18 56 24.8 -1.7
N25K	Chitina, Valde			IAMB	IAMB	18 56 27.1
N25K	Chitina, Valde	83.26	13	P	P	18 56 26.5 0.0
T35M	Bob Quinn	83.29	21	P	P	18 56 27.5 +0.8
K20K	Telida	83.31	8	IAMB	IAMB	18 56 27.9
K20K	Telida	83.31	8	P	P	18 56 26.8 +0.2
O20A	White River Ci	83.31	44	P	P	18 56 28.8 +1.4
MCARA	McCarthy VSAT	83.39	13	P	P	18 56 27.3 +0.2
M24K	Tolsona, Glenn	83.40	12	IAMB	IAMB	18 56 28.3
M24K	Tolsona, Glenn	83.40	12	P	P	18 56 27.4 +0.2
CTG	Chitina Glacier	83.40	14	P	P	18 56 27.6 +0.3
BARN	Barnard Glacie	83.41	14	P	P	18 56 25.0 -2.4
FXWY	Fox Creek	83.46	40	IAMS_20	IAMS_20	19 30 25.4
O29M	Mount Kennedy	83.51	16	P	P	18 56 28.2 +0.4
O28M	Mount Upton	83.51	15	P	P	18 56 28.1 +0.1
ANM	Nome	83.51	3	P	P	18 56 28.3 +0.7
WAT6	Susitna Watana	83.55	11	P	P	18 56 27.9 -0.1
M50	Missoula	83.62	36	P	P	18 56 27.0 -1.8
M50	Missoula			IAMB	IAMB	18 56 30.3
M50	Missoula	83.62	36	P	P	18 56 29.0 +0.3
WAT1	Susitna Watana	83.63	10	P	P	18 56 28.1 -0.3
CAST	Castle Rocks	83.64	9	IAMS_20	IAMS_20	19 31 57.6
CAST	Castle Rocks	83.64	9	P	P	18 56 26.8 -1.5
SKAW	Skeagway	83.68	18	P	P	18 56 28.3 -0.2
LOHW	Long Hollow	83.70	40	P	P	18 56 27.6 -1.8
LOHW	Long Hollow			IAMB	IAMB	18 56 32.1
S34M	Telegraph Cree	83.72	20	P	P	18 56 29.6 +0.7
J19K	Poorman	83.73	7	P	P	18 56 26.0 -2.8
J19K	Poorman			IAMB	IAMB	18 56 34.0
J19K	Poorman	83.73	7	P	P	19 32 45.1
NJ2	Nanjing	83.74	307	P	P	18 56 29.2 +0.4
NJ2	NJ2			pP	pP	18 56 31.4 +1.9
NJ2	NJ2			sP	sP	18 56 33.5 -0.1
NJ2	NJ2			PP	PP	18 59 42.5 -0.5
NJ2	NJ2			SS	SS	19 06 53.8 +2.9
NJ2	NJ2			pS	pS	19 07 00.6 +1.4
NJ2	comp=Z,7.0nm,0.6s				pmax	pmax
NJ2	comp=Z,250nm,4.0s				LR	LR
NJ2	comp=Z,230nm,20.8s				LR	LR
NJ2	comp=Z,230nm,21.8s				LR	LR
H16K	Elim	83.76	4	P	P	18 56 29.2 +0.3
P30M	Million Dollar	83.78	17	P	P	18 56 30.3 +1.1
HARP	HAARP	83.86	12	P	P	18 56 29.8 +0.3
BW06	Boulder Array	83.87	41	P	P	18 56 31.4 +1.1
PD31	Pinedale Array	83.87	41	P	P	18 56 27.6 -2.8
PDAR	Pinedale Array	83.87	41	P	P	18 56 31.4 +1.0
PDAR	Pinedale Array			LR	LR	19 28 22.5
FLWY	Flagg Ranch	83.90	39	IAMS_20	IAMS_20	19 30 42.1
SDCO	Great Sand Dun	83.93	47	P	P	18 56 32.8 +2.0
SDCO	Great Sand Dun	83.93	47	P	P	18 56 33.0 +2.2
TRF	Thorofare Moun	83.93	9	IAMB	IAMB	18 56 40.8
TRF	Thorofare Moun			IAMS_20	IAMS_20	19 29 13.5
TRF	Thorofare Moun	83.93	9	P	P	18 56 29.4 -0.6
DSRI	Dabo	84.00	272	P	P	18 56 31.4 0.0
LL02	Futaleuf	84.01	134	IAMB	IAMB	18 56 35.1
G15K	Nukluk	84.01	3	P	P	18 56 31.3 +1.1

CHUM	Lake Minchumin	84.04	8	P	P	18 56 29.7 -0.7
YUK8	Steele Glacier	84.06	15	P	P	18 56 31.5 +0.6
DHY	Denali Highway	84.07	11	P	P	18 56 30.4 -0.3
MSTX	Muleshoe	84.08	51	P	P	18 56 33.3 +1.8
MSTX	Muleshoe	84.08	51	P	P	18 56 33.2 +1.8
J20K	Nowinta River	84.08	8	IAMB	IAMB	18 56 32.0
J20K	Nowinta River	84.08	8	P	P	18 56 30.9 +0.3
YUK6	Outpost Mounta	84.11	16	P	P	18 56 31.5 +0.4
RND	Reindeer	84.12	10	P	P	18 56 28.1 -2.8
RND	Reindeer			IAMB	IAMB	18 56 42.4
RND	Reindeer	84.12	10	P	P	19 28 56.4
RND	Reindeer	84.12	10	P	P	18 56 28.1 -2.8
H17A	Grant Village	84.15	39	P	P	18 56 34.0 +2.3
MA2	Magadan	84.17	342	LR	LR	19 27 36.9
833A	Chaparral WMA,	84.18	58	P	P	18 56 29.8 -2.1
833A	Chaparral WMA,	84.18	58	P	P	18 56 33.3 +1.4
833A	Chaparral WMA,	84.18	58	P	P	18 56 33.8 +2.0
Q32M	Nakina River	84.19	19	P	P	18 56 32.1 +0.6
BOZ	Bozeman (W)	84.20	38	P	P	18 56 33.0 +1.2
H17K	Granite Mounta	84.23	5	P	P	18 56 30.4 -0.8
H17K	Granite Mounta			IAMB	IAMB	18 56 43.1
H17K	Granite Mounta			IAMS_20	IAMS_20	19 29 54.3
H17K	Granite Mounta	84.23	5	P	P	18 56 31.3 0.0
H17K	Granite Mounta	84.23	5	P	P	18 56 32.0 +0.5
P32M	Atlin	84.26	18	P	P	18 56 31.6 0.0
M26K	Nabesna, AK	84.31	13	IAMB	IAMB	18 56 32.6
M26K	Nabesna, AK	84.31	13	P	P	18 56 32.1 +0.2
YUK3	Moose Creek	84.32	14	P	P	18 56 32.2 +0.1
PAX	Paxson	84.32	12	P	P	18 56 31.5 -0.5
GCSA	Galena City	84.32	6	P	P	18 56 32.5 +0.8
YUK4	Talbot Arm	84.38	15	P	P	18 56 33.2 +0.8
F14K	Arctic Creek	84.38	2	P	P	18 56 32.4 +0.3
T25A	Trinidad	84.39	48	P	P	18 56 30.5 -2.5
T25A	Trinidad			IAMB	IAMB	18 56 36.2
T25A	Trinidad	84.39	48	P	P	18 56 35.1 +2.0
MCK	McKinley	84.41	10	P	P	18 56 35.2 -0.2
TNA	Tin City	84.42	2	P	P	18 56 32.6 +0.4
BPWA	Bear Paw Mtn.	84.44	9	IAMS_20	IAMS_20	19 33 18.9
BPWA	Bear Paw Mtn.	84.44	9	P	P	18 56 31.0 -1.4
DLBO	Dease Lake	84.50	21	P	P	18 56 33.3 +0.4
G16K	Koyuk River	84.50	4	IAMB	IAMB	18 56 33.8
G16K	Koyuk River	84.50	4	P	P	18 56 33.0 +0.3
TPRI	Tanjung Pinang	84.51	273	P	P	18 56 33.4 -0.5
M27K	Edge Creek, AK	84.51	13	P	P	18 56 33.5 +0.6
KLR	Kul'dur	84.52	327	eP	eP	18 56 33.2 +0.1
KLR	Kul'dur			pmax	pmax	
KLR	Kul'dur	84.52	327	LR	LR	19 32 16.4
O30N	Mendenhall	84.56	17	IAMB	IAMB	18 56 37.5
O30N	Mendenhall	84.56	17	P	P	18 56 33.6 +0.4
H18K	Honhosa River	84.58	6	IAMS_20	IAMS_20	19 33 43.5
H18K	Honhosa River	84.58	6	P	P	18 56 33.2 +0.2
YMP	Mirror Lake Pl	84.59	39	P	P	18 56 31.8 -2.2
I20K	Naaghedeneel	84.64	7	P	P	18 56 33.6 +0.2
F15K	North Star Dit	84.69	3	P	P	18 56 33.4 -0.2
G17K	Kiwalik Mounta	84.73	5	P	P	18 56 34.2 +0.4
BWN	Browne	84.74	10	IAMS_20	IAMS_20	19 29 10.5
JCT	Junction City	84.77	55	IAMS_20	IAMS_20	19 31 07.8
JCT	Junction City	84.77	55	P	P	18 56 36.1 +1.2
JCT	Junction City	84.77	55	P	P	18 56 36.4 +1.5
JCT	Junction City	84.79	14	P	P	18 56 34.6 +0.3
L26K	Log Cabin Wild	84.79	13	IAMS_20	IAMS_20	19 28 05.3
L26K	Log Cabin Wild	84.79	13	P	P	18 56 34.6 +0.4
WHY	Whitehorse	84.80	17	P	P	18 56 32.9 -1.5
WHY	Whitehorse	84.80	17	P	P	18 56 34.8 +0.3
MAW	Mawson	84.87	198	P	P	18 56 36.9 +2.2
MAW	Mawson	84.87	198	P	P	18 56 36.7 +2.0
MAW	Mawson			LR	LR	19 30 55.5
ISCO	Idaho Springs	84.87	45	P	P	18 56 36.9 +1.3
ISCO	Idaho Springs	84.87	45	P	P	18 56 37.4 +1.9
ISCO	Idaho Springs	84.87	45	P	P	18 56 37.2 +1.6
N30M	Aishikik Lake	84.88	16	IAMB	IAMB	18 56 36.3
N30M	Aishikik Lake	84.88	16	P	P	18 56 35.3 +0.5
BNX	BinXian	84.88	322	P	P	18 56 35.3 +0.3
BNX	BinXian			pmax	pmax	
BNX	BinXian			pmax	pmax	
R33M	Jennings River	84.95	20	P	P	18 56 35.6 +0.4
CN2	Changchun	84.99	320	P	P	18 56 36.4 +0.8
CN2	Changchun			pmax	pmax	
CN2	Changchun			pmax	pmax	
K24K	Donnelly Dome					

14d 19h

Table with columns: BRG, BRG, comp-Z, Berggiesshubel, 147.97 353, ePKP2, PKPbc, 19.03 44.5 -0.9, WET, Wetzzell, 149.79 354, ePKPbc, PKiKp, 19.03 51.2 0.0, ESDC, Sonseca Array, 156.87, 25, PKPpdf, PKPpdf, 19.03 55.3 -0.6

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Table with columns: WET, Wetzzell, 149.79 354, ePKPbc, PKiKp, 19.03 51.2 0.0, ESDC, Sonseca Array, 156.87, 25, PKPpdf, PKPpdf, 19.03 55.3 -0.6

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Table with columns: ESDC, Sonseca Array, 156.87, 25, PKPpdf, PKPpdf, 19.03 55.3 -0.6, Code, Station Name, Az, AzG, Phase ID, Time, Res

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EPF, EPFF, SJPF, MDT, etc.

IDC 14 19:11:02.6:2.3,33:52x178:65W,h0km,mb4.0/2, mbtmp4.1/3,ML4.2/1, Error ellipse: s-maj=62.0km

WEL 14 19:11:06.0:1.4,33:5:10x179:9W,2.3,h105km,87km, M4.1/8,mb4.8/8,ML4.3/8,MLV4.3/8,Mw(m)3.6/6, Error ellipse: s-maj=0.0km s-min=0.0km az=111.7, confirmed

ISC 14 19:11:05.7:1.7,33:55:0:1x178:5W,0.3,h41km,n28, s=127/38, South of Kermadec Islands

Main station list table for the first section, including stations like GLKZ, WMGZ, HAZ, etc.

IDC 14 19:21:17.1:4.2,16:37Sx174:18E,h0km,mb3.9/3, mbtmp3.8/4,ML4.6/1, Error ellipse: s-maj=151.7km

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

IDC 14 19:39:17.5:2.0,36:23S-63:68E,h0km,mb3.8/3, mbtmp3.8/4,ML4.0/1, Error ellipse: s-maj=57.8km

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

IDC 14 19:46:22.8:0.6,12:03N-86:59W,h0km,mb4.1/3, mbtmp4.5/16,ML4.7/2,MS4.1/49, Error ellipse: s-maj=32.2km s-min=11.6km az=59.0

CATAC 14 19:46:28.6:0.4,11:66N-87:15W,h23km,4km,MB5.3, mb4.9,ML5.1, Hypocentre not reviewed by the ISC

NEIC 14 19:46:29.8,11:72N-87:06W,h46km, NEIC 14 19:46:24.1:1.7,11:70N:0:03:87:05W:0:06,h42km,5km, mb4.9/324,Mwr4.9/36, Error ellipse: s-maj=9.2km

s-min=3.9km az=78.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mr=-1.92; Mw=0.27; Mw2=1.9; Mw3=0.87; Mw4=0.42; Mw5=0.88; Fault plane solution: M2:4.5000x10^16 NP1:327.890000, 84.033000, lambda-128.250000, NP2:193.860000, 85.945000, lambda-62.270000

Principal axes: T 2.3944, P1g10.0000, Azm284.0000; N 0.1054, P1g24.0000, Azm359.0000; P -2.4939, P1g64.0000, Azm152.0000

GCMT 14 19:46:31.5:0.3,11:70N:0:02:87:25W:0:02,h30km, MW5.0/95, Moment Tensor Solution. s36,c41; s9,c123; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=-2.45; Mw=0.74; Mw2=1.0; Mw3=1.71; Mw4=1.1; Mw5=1.72; Mw6=1.2; Mw7=0.53; Mw8=1.3; Best double couple: Mw5.51100x10^16 NP1:247.000000, 85.900000, lambda-52.000000, NP2: 10.000000, 84.700000, lambda-136.000000

Principal axes: T 3.4510, P1g7.0000, Azm311.0000; N 0.1180, P1g32.0000; Azm46.0000; P -3.5720, P1g57.0000, Azm210.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

SNET 14 19:46:31.3:2.8,11:80N-87:15W,h46km,ML5.1 GCG 14 19:46:36.0:0.6,13:17N-87:41W,h286km,29km,MD4.6 ISC 14 19:46:28.2:0.4,11:69N:0:04:87:08W:0:04,h40km,3km, n618, s1914/519,mb4.9/155,MS4.1/46, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSHP, MSHQ, MSHR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like COPN, BC86, CRUN, etc.

CNGA AI SSO del Vol 0.89 25 i P 19 46 46.4

CNGN Cerro Negro 0.89 25 i P 19 46 46.0

CNGN Cerro Negro 0.89 25 e P 19 46 46.2

CNGN Cerro Negro 0.89 25 i S 19 46 46.4

CNGN Cerro Negro 0.89 25 i S 19 46 46.4

CNGN Cerro Negro 0.89 25 i S 19 46 46.4

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

CUI Cuiapala 2.15 118 e P 19 47 03.3

PACA Pacapaya 2.14 326 i P 19 47 02.8

ALJI Alcalda de J 2.18 318 e P 19 47 02.5

ALJI Alcalda de J 2.18 318 e S 19 47 02.3

ALJI Alcalda de J 2.18 318 i P 19 47 02.2

NICO Nicoya 2.23 134 e P 19 47 03.6

DUNO Dulce Nombre 2.23 135 e P 19 47 03.5

DUNO Dulce Nombre 2.23 135 e P 19 47 03.8

DUNO Dulce Nombre 2.23 135 i P 19 47 03.3

DUNO Dulce Nombre 2.23 135 i P 19 47 03.3

YUSH Yucarán 2.27 6 i P 19 47 05.6

TECA Teacapa 2.27 323 i P 19 47 04.4

TGUH Tegucigalpa,Un 2.36 356 i P 19 47 07.0

TGUH Tegucigalpa,Un 2.36 356 i P 19 47 07.0

INDI Punta indio, G 2.38 139 e P 19 47 05.6

INDI Punta indio, G 2.38 139 i P 19 47 05.6

POSS Presa 15 de Se 2.41 323 e S 19 47 06.7

POSS Presa 15 de Se 2.41 323 e S 19 47 06.7

POSS Presa 15 de Se 2.41 323 i P 19 47 06.6

POSS Presa 15 de Se 2.41 323 i P 19 47 06.6

LCHIL Las Chiles 2.41 105 e P 19 47 06.2

ALCAI Alcalda de Te 2.48 318 e P 19 47 06.8

ALCAI Alcalda de Te 2.48 318 i P 19 47 06.8

JTS Las Juntas de 2.51 123 Pn 19 47 04.6

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JTS Las Juntas de 2.51 123 Pn 19 47 04.6

ALCAI Alcalda de J 2.18 318 e S 19 47 02.3

ALCAI Alcalda de J 2.18 318 i P 19 47 02.2

NICO Nicoya 2.23 134 e P 19 47 03.6

DUNO Dulce Nombre 2.23 135 e P 19 47 03.5

DUNO Dulce Nombre 2.23 135 e P 19 47 03.8

DUNO Dulce Nombre 2.23 135 i P 19 47 03.3

DUNO Dulce Nombre 2.23 135 i P 19 47 03.3

YUSH Yucarán 2.27 6 i P 19 47 05.6

TECA Teacapa 2.27 323 i P 19 47 04.4

TGUH Tegucigalpa,Un 2.36 356 i P 19 47 07.0

TGUH Tegucigalpa,Un 2.36 356 i P 19 47 07.0

INDI Punta indio, G 2.38 139 e P 19 47 05.6

INDI Punta indio, G 2.38 139 i P 19 47 05.6

POSS Presa 15 de Se 2.41 323 e S 19 47 06.7

POSS Presa 15 de Se 2.41 323 e S 19 47 06.7

POSS Presa 15 de Se 2.41 323 i P 19 47 06.6

POSS Presa 15 de Se 2.41 323 i P 19 47 06.6

LCHIL Las Chiles 2.41 105 e P 19 47 06.2

ALCAI Alcalda de Te 2.48 318 e P 19 47 06.8

ALCAI Alcalda de Te 2.48 318 i P 19 47 06.8

JTS Las Juntas de 2.51 123 Pn 19 47 04.6

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JTS Las Juntas de 2.51 123 Pn 19 47 04.6

14d 19hcr

MT03	Montecristo	3.49 321	i P		19 47 21.9
MT03			IAML		19 47 53.0
LOAL	Lomas de Alarc	3.49 311	i P		19 47 22.5
LOAL			IAML		19 48 11.2
OCM	Ochomogo	3.55 120	i P		19 47 23.4
OCM			IAML		19 47 36.9
TBLN	Tablon, Guarco	3.55 121	i P		19 47 23.0
TBLN			IAML		19 48 10.9
LCR2	La Lucha 2	3.59 122	i P	Pn	19 47 22.5 +0.9
LCR2		3.59 122	i P		19 47 24.1
LCR2			IAML		19 47 38.0
HAYA	Volcan Irazu	3.61 118	i P		19 47 23.9
HAYA			IAML		19 47 45.1
RIMA	Rio Macho	3.70 121	i P	Pn	19 47 25.5 +2.5
RIMA		3.70 121	i P		19 47 27.8
CDM	Cerro de Muert	3.89 123	i PA		19 47 28.3
CDM			IAML		19 47 50.0
BATAN	Batan	4.27 113	i P	Pn	19 47 27.1 +0.5
NBG	Las Nubes	4.39 313	eP	Pn	19 47 34.9 +3.7
PCG	Pacaya	4.36 308	eS	Pn	19 47 36.9 +4.7
PCG			eS	Pn	19 48 20.8 -1.1
FUG	Fuego 3	4.58 307	eP	Pn	19 47 38.0 +2.9
FUG			eS	Pn	19 48 28.3 +1.2
RGMO	Gandoca	4.87 115	Pn	Pn	19 47 37.7 -0.3
SULM	Suchitpequez,	5.08 301	eP	Pn	19 47 45.5 +3.6
CDTO	Canoas	5.17 126	Pn	Pn	19 47 45.3 +2.2
BRUZ	Volcan	5.19 123	Pn	Pn	19 47 45.0 +1.5
STG3	Santiagouito 3,	5.30 305	eS	Pn	19 47 48.2 +3.1
STG3			eS	Pn	19 48 43.9 -1.2
PRVC	Isia de Provid	5.83 73	i P		19 48 25.3
PRVC			IAMB		19 48 25.9
PRVC			IvMB_BB		19 49 01.8
PRVC			IAML		19 48 16.5 +0.6
BCIP	Isia Barro Col	7.55 109	Pn	Pn	19 48 17.5
BCIP		7.55 109	i P		19 48 40.2
BCIP			IAML		19 48 48.0
BCIP			IvMB_BB		19 49 11.1
TEIG	Tepich	8.57 352	Pn	Pn	19 48 29.9 +0.2
TEIG		8.57 352	Pn	Pn	19 48 26.0 -3.7
TEIG			IvMB_BB		19 52 11.2
TEIG			LR		19 48 40.7 +1.3
CMIG	Matias Romero	9.27 306	Pn	Pn	19 50 21.9 -0.6
CMIG			Sn		19 52 43.6
CMIG			LR		19 49 07.3 +0.2
CMIG			Pn		19 49 12.3 -0.5
CMIG			Pn		19 49 27.3 +2.9
CMIG			Pn		19 49 48.3 +0.5
CMIG			Pn		19 49 48.5 +0.2
CMIG			Pn		19 49 49.1 0.0
CMIG			LR		19 55 29.5
MTDJ	Mount Denham	11.28 54	Pn	Pn	19 49 48.9 -0.5
MTDJ			Pn		19 49 11.5 -1.8
TLIG	Tlapa	12.55 299	Pn	Pn	19 49 58.3 +0.4
OTAV	Olival	14.24 142	Pn	Pn	19 50 04.3 +0.6
TULM	Tuacan-Chalpat	14.28 139	Pn	Pn	19 50 10.1 -0.6
ROSC	El Rosal	14.34 117	Pn	Pn	19 50 13.3 -0.9
ROSC			Pn		19 50 16.4 +0.4
ROSC			IAMB		19 50 21.2
ROSC			LR		19 50 15.7 -0.4
ROSC			LR		19 56 52.1
IMBA	Imbabura, San	14.37 141	Pn	Pn	19 50 20.6 -0.9
PULLI	Putulahu	14.39 143	Pn	Pn	19 50 23.6 -0.2
SJOR	San Lorenzo -	15.00 145	Pn	Pn	19 50 25.7 +0.5
CHSH	Refugio Sar-Vo	15.43 148	Pn	Pn	19 50 29.9 +0.5
MOIG	Morelia	15.72 302	P	P	19 50 40.9 -0.9
COHC	Cochancay	16.07 151	P	P	19 50 44.4 -0.1
SDV	Santo Domingo	16.42 98	IAMB	IAMB	19 50 44.5 -0.3
SDV			IAMB		19 50 48.9
SDV			Pn		19 50 45.7 -0.2
SDV			Pn		19 50 52.3 +0.2
SDV			LR		19 50 57.7 +0.7
SDV			IAMB		19 50 59.9
SDV			Pn		19 50 57.2 +0.3
SDV			IAMB		19 50 59.4
SDV			Pn		19 50 56.6 -0.4
SDV			IAMB		19 51 02.9
SDV			Pn		19 50 57.7 -0.6
SDV			IAMB		19 50 59.8
SDV			Pn		19 50 57.8 -0.6
SDV			IAMB		19 51 08.6
SDV			Pn		19 50 58.4 0.0
SDV			Pn		19 50 59.9 +0.7
SDV			Pn		19 51 00.6 -0.7
SDV			Pn		19 50 59.9 +0.7
SDV			Pn		19 51 00.6 -0.7
SDV			Pn		19 51 04.2 -1.0
SDV			IAMB		19 51 07.3
SDV			Pn		19 51 05.1 +1.3
SDV			Pn		19 51 06.8 -0.1
SDV			LR		19 58 11.3
SDV			P		19 51 05.1 -0.7
SDV			IAMB		19 51 04.2
SDV			P		19 51 08.2 0.0
SDV			IAMB		19 51 13.7
SDV			Pn		19 51 07.9 -1.2
SDV			IAMB		19 51 29.8
SDV			Pn		19 51 10.9 +1.1
SDV			Pn		19 51 10.3 +0.3
SDV			IAMB		19 51 15.0
SDV			P		19 51 11.5 +1.5
SDV			Pn		19 51 10.5 -0.1
SDV			LR		19 58 45.7
SDV			P		19 51 11.7 +0.8
SDV			P		19 51 12.9 +2.0
SDV			P		19 51 11.8 -0.2
SDV			P		19 51 14.1 +2.1
SDV			P		19 51 12.5 -0.4
SDV			IAMB		19 51 25.8
SDV			Pn		19 51 15.8 +0.1
SDV			IAMB		19 51 20.1
SDV			P		19 51 16.6 +0.2
SDV			P		19 51 18.6 +1.0
SDV			P		19 51 19.9 +2.3
SDV			P		19 51 20.6 +0.9
SDV			P		19 51 20.0 0.0
SDV			IAMB		19 51 42.1
SDV			P		19 51 19.9 -0.3

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JCT	Junction City	22.11 330	P	IAMB	19 51 23.6
JCT			P		19 51 21.5 +1.3
YS2A	Ysleta	22.25 7	P	IAMB	19 51 21.9 +0.3
YS2A			IAMB		19 51 25.8
WHTX	Lake Whitney	22.36 336	P	P	19 51 22.8 0.0
WHTX		22.36 336	P	P	19 51 24.0 +1.2
BRDY	Brady	22.40 332	P	IAMB	19 51 23.0 -0.1
BRDY			IAMB		19 51 26.7
TREL	Trell	22.52 340	P	IAMB	19 51 24.5 0.0
TREL			IAMB		19 51 28.5
FW16	Waxahatchie	22.58 338	P	IAMB	19 51 25.7 +0.5
FW16			IAMB		19 51 29.1
WLAR	White Oak Lake	22.61 347	P	P	19 51 25.3 +0.1
FW14	Alvarado	22.68 337	P	IAMB	19 51 25.6 +0.1
FW14			IAMB		19 51 29.0
Z38A	Cl. Pleasant	22.66 343	P	P	19 51 26.9 +0.9
X48A	Hartselle	22.66 0	P	P	19 51 26.4 +0.4
FW13	Cleburne	22.66 337	P	IAMB	19 51 26.6 +0.6
FW13			IAMB		19 51 29.4
FPAL	Fort Payne	22.79 3	P	P	19 51 27.8 +0.4
OXF	Oxford	22.82 355	P	P	19 51 27.0 0.0
OXF			IAMB		19 51 50.9
OXF			P		19 51 28.3 +0.6
X51A	Calhoun	22.87 5	P	P	19 51 27.5 -0.7
HODGE	Hodges	22.87 10	P	IAMB	19 51 27.2 -1.0
HODGE			IAMB		19 51 46.3
SAND	Sanderson	22.93 325	P	IAMB	19 51 28.3 -0.7
SAND			IAMB		19 51 37.5
FW07	Weatherford	23.11 336	P	IAMB	19 51 30.2 -0.5
FW07			IAMB		19 51 33.6
OZNA	Ozona	23.14 328	P	IAMB	19 51 30.7 -0.4
OZNA			IAMB		19 51 35.2
PLAL	Pickwick Lake	23.21 358	P	P	19 51 31.6 0.0
FW06	Azle	23.26 337	P	IAMB	19 51 32.6 +0.4
FW06			IAMB		19 51 35.3
X40A	Basin Creek Fa	23.29 348	P	P	19 51 32.3 -0.1
TX31	Lajitas Ar. Si	23.39 321	P	P	19 51 34.2 +0.6
TX32	Lajitas Arroy	23.39 321	P	P	19 51 34.2 +0.6
TXAR	Lajitas Arroy	23.39 321	P	P	19 51 34.0 +0.4
TXAR			PcP		19 55 21.6 +2.1
TXAR			ScP		19 58 58.7 +4.1
PLPT	Palo Pinto	23.42 336	P	IAMB	19 51 33.8 +0.1
PLPT			IAMB		19 51 36.6
SWET	Sewanee	23.45 2	P	P	19 51 35.0 +1.0
SWET			IAMB		19 51 37.9
W50A	Signal Mountain	23.46 4	IAMB	IAMB	19 51 36.8
Z35A	Perchaven, San	23.47 338	P	P	19 51 34.6 +0.4
W52A	Murphy	23.48 7	IAMB	IAMB	19 51 52.3
BG3	Lake Jocassee	23.51 9	IAMB	IAMB	19 51 57.0
MIAR	Mount Ida	23.51 346	IAMB	IAMB	19 51 36.1
MIAR			P		19 51 35.2 +0.6
BIRD	Birdtown, Kers	23.61 14	P	P	19 51 35.3 -0.4
BIRD			IAMB		19 52 01.0
CPCT	Coop Cave	23.77 5	IAMB	IAMB	19 52 01.6
ABTX	Abiene, Hawle	23.82 333	IAMB	IAMB	19 51 41.0
ABTX			P		19 51 38.2 +0.6
KMCS	Kings Mountain	23.93 12	P	P	19 51 39.7 +1.3
SGCY	Stirling City	23.93 329	IAMB	IAMB	19 51 41.0
W48A	Smith Brothers	23.95 1	P	P	19 51 38.5 -0.1
WHAR	Woolly Hollow	23.97 349	IAMB	IAMB	19 52 05.5
CZSB	Cruzeiro do Su	24.01 143	P	IAMB	19 51 39.3 -0.2
CZSB			IAMB		19 51 53.2
LOOK	Love County	24.04 339	P		19 51 40.3 +0.7
TKL	Tuckaleechee C	24.05 7	IAMB	IAMB	19 52 04.4
TKL			LR		20 00 32.4
ALPN	Alpine	24.12 323	P	IAMB	19 51 41.1 +0.6
ALPN			IAMB		19 51 47.7
V51A	Loudon	24.14 5	IAMB	IAMB	19 52 07.7
CLTN	Cedars of Leba	24.31 1	IAMB	IAMB	19 51 44.5
WTF5	Witchita Falls	24.32 336	IAMB	IAMB	19 51 42.0 -0.1
WTF5			IAMB		19 51 44.4
LCAR	Lake Charles	24.55 352	P	P	19 51 43.1 -1.1
SN01	Snyder I	24.59 331	IAMB	IAMB	19 51 47.7
APMT	Aspermont	24.63 333	P	P	19 51 45.2 +0.3
APMT			IAMB		19 51 49.2
U49A	Red Boiling Sp	24.75 3	IAMB	IAMB	19 51 49.0
SLBS	Sierra La Lagu	24.79 302	P	P	19 51 47.8 +1.2
SLBS			IAMB		19 51 55.1
TZTN	Taxwell	24.95 7	P	P	19 51 49.3 +1.4
PECS	Pecos	24.98 324	IAMB	IAMB	19 51 57.2
W35A					

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MDP, GMRC, V12A, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like YHL, BMN, ULM, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like M31M, P29M, N31M, etc.

Table with columns: SEY, SEYMCHAN, MA2, AKASA, KURBB, SONM, WMQ, HHC, GTA, NJ2, STKA, ASAR, ASAR, WRA, WRA, PZH, CMAR, etc. Includes station names, coordinates, and various codes.

Table with columns: Code, Station Name, Az, Az2, Op, Phase, Time, Res, ISC, h, etc. Includes station names like BAGH, IDAH, IKOO, etc. and their associated data.

Table with columns: BRVK, BRTR, BRTR, MAKZ, GKN, MK31, MKAR, MKAR, MKAR, KURBB, DMN, KURK, PKIN, PKI, GUN, JIRN, RAMN, TAPN, ZAAO, ZALV, ZALV, ZALV, etc. Includes station names, coordinates, and various codes.

14 19:53:29.4, 5.2, 24.65N, 121.88E, h0km, mb3.7/3, mbtmp3.7/3, MS3.0/2, Error ellipse: s-maj=352.0km s-min=29.2km az=59.0
TAP 14 19:53:30.7, 24.95N, 122.27E, h15km, ML3.5, C
ASIES 14 19:53:30.7, 24.95N, 122.27E, h15km, ML3.5, Mw3.4,
Moment Tensor Solution. Moment tensor: Scale 10²¹Nm;
M₁₁=-0.57; M₂₂=0.84; M₃₃=-0.23; M₁₂=1.01; M₁₃=0.67; M₂₃=-0.64;
Fault plane solution: Mo1.55351x10²¹ NP1;
σ₁:283.28000°, δ:75.99000°, λ:53.74000°; σ₂:330.50000°, δ:157.13000°, λ:0.00000°; σ₃:346.36800°, δ:19.13000°, λ:0.00000°; P:46.41400°, Azm230.63100°; N:157.13000°, Azm93.02700°; T:122.3E:0.4, h30km, 4km, MV3.0/11, TAIWAN REGION
ISC 14 19:53:30.2, 1.1, 24.94N, 0.03, 122.31E, 0.02, h15km, 8km, n108, 0.62/150, mb3.7/3, 9C, Taiwan region

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
TWB1	Santiao Chiao	0.30	283	Op	Pb	19 53 36.9	-0.4
TWB1	baz=283			iS	Sb	19 53 41.0	-1.1
SK11	Grass Mountain	0.42	291	Op	Pb	19 53 39.6	+0.2
SK11	baz=292			S	Sb	19 53 45.3	-0.4
TIPB	Shuangxi	0.44	274	Op	Pb	19 53 39.5	-0.2
TIPB	baz=273			S	Sb	19 53 45.9	-0.3
NWC	Toucheng	0.44	259	Op	Pb	19 53 39.9	+0.2
NWC	baz=257			iP	Pb	19 53 41.0	+0.3
NWF	Wu-fen Shan	0.50	285	Op	Pb	19 53 47.5	-0.3
NWF	baz=285			iS	Sb	19 53 41.0	+0.4
WFSB	Wu-fen Shan	0.50	285	Op	Pb	19 53 41.0	+0.4
WFSB	baz=285			S	Sb	19 53 47.5	-0.3
EOS2	EOS2	0.53	188	Op	Pb	19 53 41.8	+0.8
EOS2	baz=206			eS	Sb	19 53 49.3	+0.8
TNOU	National Taiwa	0.53	293	P	Pb	19 53 41.5	+0.2
TNOU	baz=293			S	Sb	19 53 48.5	-0.2
TWC	Suao	0.53	232	Op	Pb	19 53 40.7	0.0
TWC	baz=221			S	Sb	19 53 48.7	-0.1
NDS	Dongshan	0.62	241	Op	Pb	19 53 42.4	0.0
NDS	baz=229			eS	Sb	19 53 51.1	-0.2
TWE	Neicheng	0.62	250	P	Pb	19 53 42.5	+0.1
TWE	baz=238			eS	Sb	19 53 51.7	+0.3
EOS3	EOS3	0.65	179	P	Pb	19 53 44.0	+0.8
NHY	Taipei	0.68	278	Op	Pn	19 53 44.6	-0.7
NHY	baz=278			eS	Sb	19 53 53.6	+0.6
FUSB	Fushanzhiwuyua	0.68	255	P	Pb	19 53 43.8	0.0
FUSB	baz=254			eS	Sb	19 53 54.2	-1.6
EWUT	Wuta	0.69	224	Op	Pb	19 53 44.2	+0.2
EWUT	baz=214			eS	Sb	19 53 53.1	-0.3
YM08	YM08	0.70	291	Op	Pb	19 53 44.5	+0.4
YM08	baz=291			eS	Sb	19 53 53.0	-0.5
YM01	YM01	0.70	287	Op	Pb	19 53 44.9	+0.7
YM01	baz=287			eS	Sb	19 53 54.4	+0.7
NHHD	Xindian Distri	0.71	272	Op	Pn	19 53 45.2	-0.6
NHHD	baz=271			eS	Sb	19 53 54.3	+0.3
PCTY	Pengchaiyu	0.72	343	Op	Pb	19 53 44.9	+0.5
PCTY	baz=345			Pb	Pb	19 53 45.1	+0.6
TWY	Chenhua	0.72	298	Op	Pb	19 53 55.2	+0.9
TWY	baz=285			eS	Sb	19 53 44.3	-0.1
ENA	Nanau	0.73	225	P	Pg	19 53 53.9	-0.1
ENA	baz=215			eS	Sb	19 53 45.5	-0.6
TAP	Taipei	0.73	278	P	Pb	19 53 55.6	-1.5
TAP	baz=290			S	Sb	19 53 55.6	-1.5
ENTT	Nioudou	0.74	246	P	Pb	19 53 44.8	0.0
ENTT	baz=257			eS	Sb	19 53 56.5	-0.7
TATO	Taipei	0.75	273	P	Pn	19 53 45.9	-0.3
NWL1	Wulai	0.75	258	Op	Pb	19 53 45.2	+0.2
NWL1	baz=257			eS	Sb	19 53 55.5	+0.4
ANP	Anpu	0.76	289	Op	Pn	19 53 45.9	-0.6
ANP	baz=277			eS	Sb	19 53 55.8	+0.5
JYNG	Yongunijimaku	0.76	130	P	Pg	19 53 44.8	-0.1
JYNG	baz=257			eS	Sb	19 53 54.4	-0.5
YOJ	Yonguniji jima	0.80	127	P	Pg	19 53 45.4	-0.3
YOJ	baz=113			eS	Sb	19 53 55.5	-0.7
YOJ	Yonguniji jima	0.80	127	Op	Pb	19 53 45.4	-0.3
YOJ	baz=113			eS	Sb	19 53 56.1	-0.1
NDT	Datong Townshi	0.80	245	Op	Pb	19 53 46.1	+0.2
NDT	baz=255			eS	Sb	19 53 58.0	-0.7
NTST	Danshui	0.81	286	Op	Pn	19 53 47.6	+0.4
NTST	baz=286			eS	Sb	19 53 58.6	-0.3
EOS4	EOS4	0.82	179	Op	Pg	19 53 47.0	+1.0
EOS4	baz=165			eS	Sb	19 53 58.9	+0.3
LATG	Datong	0.82	241	Op	Pb	19 53 46.4	+0.2
LATG	baz=229			eS	Sb	19 53 57.7	+0.5
TWS1	Kuangyingshan	0.82	281	Op	Pn	19 53 47.3	0.0
TWS1	baz=281			eS	Sb	19 53 58.3	-1.0
YHNB	Yeheng	0.89	253	P	Pb	19 53 47.5	+0.1
YHNB	baz=268			eS	Sb	19 53 59.8	+0.6
NSK	Sanguang	0.90	253	P	Pb	19 53 47.6	0.0
NSK	baz=267			eS	Sb	19 53 59.9	+0.3
NNSB	Datong	0.98	239	Op	Pg	19 53 49.4	+0.1
NNSB	baz=228			eS	Sg	19 54 02.1	0.0
NNS	Nan Shan	0.99	240	Op	Pb	19 53 49.5	+0.2
NNS	baz=228			S	Sb	19 54 02.7	-0.8
ETL	Fush Village	1.00	219	Op	Pb	19 53 49.5	+0.2
ETL	baz=219			eS	Sg	19 54 02.9	+0.3
NACB	Ninganchiao	1.00	221	P	Pb	19 53 49.1	-0.2

NACB	Ninganchiao	1.00	221	Op	Pb	19 53 49.2	-0.2
NACB	baz=211			eS	Sb	19 54 01.1	-1.2
NCU	National Centr	1.02	272	Op	Pn	19 53 51.4	+1.4
NCU	baz=271			S	Sb	19 54 03.8	-0.3
NCU	baz=271			S	Sb	19 53 51.4	+1.4
NCU	Zhongli	1.02	272	Op	Pn	19 53 50.2	+0.1
NCU	baz=272			S	Sb	19 54 03.8	0.0
ETLH	Xiulin Townshi	1.05	226	Op	Pb	19 53 51.4	+0.1
ETLH	baz=216			S	Sb	19 54 03.8	0.0
TWD	Chiawan	1.08	217	Op	Pb	19 53 50.8	+0.2
TWD	baz=216			S	Sb	19 53 50.8	+0.2
NWF	Wufeng Townshi	1.13	254	Op	Pn	19 53 51.6	0.0
NWF	baz=216			Pb	Pb	19 53 52.8	+0.3
HFA	Hwaiien	1.16	214	Op	Pg	19 53 53.1	+0.2
HFA	baz=214			Pb	Pb	19 53 52.8	+0.3
SBCB	Hsinchu	1.21	263	Op	Pb	19 53 53.1	+0.2
LIOB	Emei	1.21	256	Op	Pn	19 53 52.8	+0.1
LIOB	baz=257			Pb	Pb	19 53 52.8	+0.1
ETM	Tongmen	1.22	218	Op	Pb	19 53 53.5	+0.4
ETM	baz=219			Pb	Pb	19 53 53.5	+0.4
LXIB	Xiulin Townshi	1.23	222	Op	Pn	19 53 53.3	+0.3
LXIB	baz=239			eS	Sb	19 54 09.5	+0.1
NSTT	Nanjiang	1.23	256	Op	Pn	19 53 53.1	+0.2
NSTT	baz=228			Pg	Pg	19 53 54.1	0.0
TWT	Tachien	1.24	237	Op	Pg	19 53 54.1	0.0
TWT	baz=228			Pg	Pg	19 53 54.1	0.0
WHF	Hehuan Shan	1.24	230	P	Pn	19 53 54.1	0.0
WHF	baz=230			eS	Sb	19 54 10.1	0.0
WHF	baz=230			eS	Sb	19 53 54.0	+0.4
WHF	Techi	1.25	237	Op	Pb	19 53 54.0	+0.4
CHGB	Renai	1.36	230	Op	Pb	19 53 56.0	+0.5
CHGB	baz=230			eS	Sg	19 54 14.6	+0.6
ESL	Shilin	1.38	216	Op	Pn	19 53 55.3	+0.4
ESL	baz=216			Pb	Pb	19 53 57.5	+0.2
WHP	Taichung City	1.41	242	Op	Pb	19 53 57.1	+0.5
WHP	baz=258			Pb	Pb	19 53 57.1	+0.5
OWD	Renai	1.43	227	Op	Pb	19 54 15.6	-0.6
OWD	baz=227			eS	Sg	19 53 54.5	-1.1
IRIF	Iriomote-Funau	1.43	115	Op	Pn	19 53 57.4	+0.5
IRIF	baz=115			Pb	Pb	19 53 57.4	+0.5
WUSB	Renai	1.44	229	Op	Pb	19 54 16.9	+0.2
WUSB	baz=229			eS	Sg	19 53 56.4	0.0
WARBT	Fenglin Townsh	1.48	215	Op	Pn	19 53 57.7	-0.2
WARBT	baz=216			Pb	Pb	19 53 59.0	-0.3
WCS	Beigang Elemen	1.55	236	Op	Pb	19 54 19.8	+0.5
WCS	baz=236			Pb	Pb	19 53 59.4	+0.6
VWDT	VWDT	1.59	222	Op	Pb	19 54 00.9	-0.1
VWDT	baz=229			eS	Sb	19 54 19.8	+0.5
HGSD	Ruisui	1.65	209	Op	Pn	19 54 00.9	-0.1
HGSD	baz=197			Pb	Pb	19 54 00.9	-0.1
SMLT	Sun Moon Lake	1.66	231	P	Pb	19 54 00.9	-0.1
SMLT	baz=232			Pb	Pb	19 54 01.2	+0.4
TYC	Yuchr	1.68	232	Op	Pb	19 54 00.9	-0.1
TYC	baz=233			Pb	Pb	19 53 59.1	-0.1
SSLB	Suanguang	1.69	227	Op	Pb	19 53 59.1	-0.1
SSLB	baz=213			Pn	Pn	19 53 59.5	+0.1
EHY	Hungye	1.69	212	Op	Pn	19 53 59.5	+0.1
EHY	baz=213			Pn	Pn	19 54 00.6	+0.3
JKRS	Kuro-shima	1.70	114	P	Pn	19 54 00.6	+0.3
JKRS	baz=114			Pn	Pn	19 54 00.4	-0.4
JUL	Juligaki jima	1.77	109	Op	Pn	19 54 00.4	-0.4
JUL	baz=109			Pn	Pn	19 54 00.4	-0.4
YULB	Yuli	1.80	211	P	Pn	19 54 03.9	+0.7
YULB	baz=211			Pn	Pn	19 54 04.3	+1.1
WHYT	Xinyi Township	1.82	227	Op	Pb	19 54 04.3	+1.1
WHYT	baz=227			Pb	Pb	19 54 04.3	+1.1
WNT	Mingjian	1.82	235	Op	Pb	19 54 04.3	+1.0
WNT	baz=237			Pb	Pb	19 54 01.3	+0.2
WJS							

14d 20h

Table with columns for station name, frequency, power, and status. Includes stations like ALLN, UNAN, CRIN, TISN, ENAN, MGA1, ADRN, WILN, AERN, HUGN, MASN, TIPN, BRAN, AESN, GRNN, LIMN, CSGN, BOAB, MATN, JAPN, MORN, CNCH, LCND, LCRU, RCPN, JUCU, YUSH, HZTE, GBS3, GBA1, PACA, BUEV, LAPC, BUAI, ELI1, TGUH, VRLE, GBS1, ALJI, LIBE, CLARA, VMAR, HORNC, COLC, CANAL, PQSS, ORTG, and others.

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Table with columns for station name, frequency, power, and status. Includes stations like ORTG, MOTZ, PLVR, PTEN, TECO, SAJU, ACAL, JUD3, LCHL, SCLA, SCLA, SCLA, SCLA, COMHN, NICO, DUNO, DUNO, DUNO, COEG, COEG, COEG, COTE, NARJA, ESPN, ESPN, SJTE, SJTE, PAVA, PAVA, LFRS, INDI, INDI, JTS, JTS, TABAC, CEDE, PANCS, ARE1, ARE1, LOMA, LOMA, VACR, VACR, IGN, IGN, LALI, LALI, SNET, ITCA, ITCA, COVE, COVE, COVE, SOCE, SOCE, SOCE, BOQS, PMON, PMON, LLGN, LLGN, LLGN, LLGN, LLGN, JAYA, JAYA, JAYA, JAYA, LAFE, LAFE, YORHN, CPMI, CPMI, CEVE, CEVE, VPTTE, VPTTE, JACO, JACO, JACO, MTO3, MTO3, MTO3, MTO3, MTO3, LUAL, LUAL, RIFO, RIFO, RIFO, HDC, TRT2, TRT2, OCM, OCM, TBLN, TBLN, LCR2, LCR2, LCR2, RIMA, RIMA, RIMA, BATAN, OCHAL, OCHAL, OCHAL, CTRC, BRUZ, CDITO, CCIG, BCIP, TEICP, CMIG, and others.

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Table with columns for station name, frequency, power, and status. Includes stations like SOR, TLIG, SDV, HBVL, BAUV, BAUV, Y49A, Y49A, PCRV, BG3, TXAR, TX31, TX32, CPCT, CPCT, KMSC, KMSC, V53A, CLTN, CLTN, V58A, WMOK, PDAR, NVAR, NVAR, SCHO, ASAR, WRA, WRA, CMAR, CMAR, TEH, ISC, Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, h, m, s, ISC, and others.

14d 20h

Table with columns: ICP, In-Ko-Pah, Jac, 86.61, 48, P, P, K, 21 05 59.5 +2.4, etc. Lists various bird species and their performance metrics.

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Table with columns: BNX, BinXian, 91.76, 325, P, P, 21 06 21.8 +0.9, etc. Lists various bird species and their performance metrics.

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Table with columns: OBN, Obninsk, 146.42, 324d/PKP2, PKPdf, 21 12 54.4 +1.8, etc. Lists various bird species and their performance metrics.

Table with columns: BG3, Lake Jocassee, 26.11, 2, P, Iamb, P, 21 26 56.6 +0.1, 21 27 19.6, etc. Includes stations like Kings Mountain, Brady, Gilead, etc.

Table with columns: BORG, BORGarnes, 70.62, 24, LR, LR, 22 02 58.0, etc. Includes stations like Eielson Array, North Greenlan, etc.

Table with columns: GTA, comp=Z,140nm,17.4s, LR, LR, 22 02 58.0, etc. Includes stations like Nanjing, Lanzhou, Chengdu, etc.

14d 22:12:56.1+1.4, 0.01N: 122:23E, h0km, mb3.6/4, mbtm3.6/4, Error ellipse: s-maj=103.3km s-min=24.8km az=64.0

DJA 14 22:13:21.8+0.0, 0.0N: 5:12.4E, h223km, 6km, M3.3/10, MLV3.3/10

ISC 14 22:13:20.6+1.0, 0.4N: 0.1:123.71E:0.06, h240km, 8km, n12, #1928/15, mb3.3/4, Minahasa Peninsula, Sulawesi

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

14d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BUAI Buenos Aires, MLR3 Monte Lirio, C, etc.

IDC 14 23:04:26.2, 3.2, 30.00'S:178.60'W, h0km, mb3.6/3, mb2mp3.5/3, Error ellipse: s-maj=238.4km s-min=38.1km az=168.0, Kermadec Islands

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

TEH 14 23:04:33.9, 34.65'N:45.78'E, h9km, 22km, ML3.1 AFAD 14 23:04:38.0, 0.0, 34.84'N:45.36'E, h156km, 53km, ML3.0

ISC 14 23:04:34.8, 1.0, 34.64'N:0.04:45.76'E, 0.05, h10km, n27, r156/35, Intra-irrig border region

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

NEIC 14 23:07:15.4, 1.4, 17.75'S:0.1:178.6'W, 0.1, h556km, 10km, mb4.2/33, Error ellipse: s-maj=22.4km s-min=16.9km az=156.0

IDC 14 23:07:16.6, 1.6, 17.76'S:178.82'W, h565km, 18km, mb3.3/9, mbmp4.2/10, Error ellipse: s-maj=25.7km s-min=15.6km az=142.0

ISC 14 23:07:14.9, 0.5, 17.8'S:0.1:178.65'W, 0.09, h550km, n51, r69/62, mb4.2/27, Fiji Islands region

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LTZ Lake Taylor, EIDS Eidsvold, etc.

SJA 14 23:09:12.0, 1.2, 20.83'S:69.29'W, h121km, 9km, ML3.4, MW3.6

GUC 14 23:09:14.5, 0.5, 20.82'S:69.15'W, h105km, 3km, ML3.5 IDC 14 23:09:37.5, 5.5, 16.94'S:70.36'W, h266km, 26km, mb3.6/1, mbmp3.6/2, Error ellipse: s-maj=185.0km s-min=78.6km az=171.0

ISC 14 23:08:12.3, 1.2, 20.82'S:0.03:69.30'W, 0.06, h122km, 7km, n36, r1842/47, 8C-1D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB01 IPOC Station P, PB02 IPOC Station P, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB04 IPOC Station P, LVC Limon Verde, etc.

TEH 14 23:32:39.1, 34.75'N:45.66'E, h10km, 61km, ML2.9 AFAD 14 23:32:47.0, 0.0, 35.27'N:45.84'E, h41km, ML3.0

ISC 14 23:32:38.2, 1.8, 34.5'N:0.2:45.6'E, 0.2, h10km, n8, r156/112, Intra-irrig border region

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

GCG 14 23:53:36.9, 1.3, 13.27'N:91.63'W, h14km, 11km, MD4.3 CATAC 14 23:53:37.1, 0.8, 13.33'N:91.61'W, h7km, 10km, mb4.8

ML4.4, Hypocentre not reviewed by the ISC IDC 14 23:53:37.3, 1.8, 13.92'N:90.81'W, h0km, mb3.9/6, mbmp3.8/9, ML3.3, MS3.5/6, Error ellipse: s-maj=67.3km s-min=18.7km az=35.0

NEIC 14 23:53:38.4, 2.4, 13.46'N:0.08:91.46'W, 0.07, h10km, 2km, mb4.5/53, MD4.2/15(MEX), Error ellipse: s-maj=15.2km s-min=9.3km az=213.0

SNET 14 23:53:39.9, 1.3, 13.56'N:91.34'W, h0km, 7km, ML3.1 MEX 14 23:53:41.6, 0.6, 13.40'N:92.29'W, h13km, 342km, MD4.2

ISC 14 23:53:36.2, 1.9, 13.34'N:0.06:91.60'W, 0.04, h8km, 11km, n128, r1842/127, mb4.4/31, MS3.4/16, Near coast of Guatemala

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

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CEVE Cerro Verde, UNIC Universidad Ca, and many others.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TKL Tuckaleechee C, BAUV El Baul, and many others.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MWZ Matawai, CNGZ Carnagh Statio, and many others.

15d 0h

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Table with columns: Station Name, Frequency, Power, Mode, and Signal Quality. Includes stations like MLZ Mavora Lakes, SHLS Shaikhe, PDGK Podgornoye, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Signal Quality. Includes stations like KURBB comp=Z,3.7nm,0.9s, CHKK Chushkaly, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Signal Quality. Includes stations like I20K Naaghedeneel, BRLL Bradley Lake, H20K Anotonega Ilo, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PSUT Pine Spring, YMR Madison River, SWSC Sam W. Stewart, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like O20A White River Ci, K22A Casper, W18A Petrified Fore, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MORC Moravsky Berou, VYHS Vyhne, AMTX Amarillo, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like 048B Farmland, OXF Oxford, P49A Miami Univ. Ec, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like SDV Santo Domingo, PTLA Puerto Leguiza, NANA Nana, etc.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like TRT2 Tortugero, B3CP Pasancho, BOCPE Pocosol, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes entries like GUMO Guam, FAKI Fak Fak, SAUI Saumlaki, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes entries like BFZ Birch Farm, MEEK Meekatharra, MTKI Muara Teweih, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes entries like HNS comp=Z,420nm,18.6s, BNX BinXian, GSI Gunungsitoli, etc.

ZALV	Zalesovo Beam	83.15	326	P	P	00 48 29.6	-1.6
D22K	Aiykyak River	83.18	17	I	Amb	00 48 34.8	
D22K	Aiykyak River	83.18	17	P	P	00 48 33.5	+2.5
CTG	Chitna Glacier	83.19	26	P	P	00 48 33.5	+2.1
CTGM	Chitna Glacier	83.19	26	I	Amb	00 48 35.2	
J25K	Salcha River	83.25	22	P	P	00 48 33.0	+1.5
L26K	Log Cabin Wild	83.27	24	I	Amb	00 48 35.1	
L26K	Log Cabin Wild	83.27	24	P	P	00 48 33.4	+1.8
LOGM	Logan Glacier	83.28	26	I	Amb	00 48 35.6	
PINM	Pinnacle	83.31	27	P	P	00 48 34.2	+2.3
SCRK	Sand Creek	83.47	23	I	Amb	00 48 35.5	
SCRK	Sand Creek	83.47	23	P	P	00 48 34.6	+1.8
PNL	Peninsula	83.53	28	P	P	00 48 34.4	+1.4
G24K	Hadweencic Riv	83.57	20	P	P	00 48 35.2	+2.1
M27K	Edge Creek, AK	83.57	25	P	P	00 48 35.8	+2.5
E23K	Chandalar	83.62	18	P	P	00 48 35.4	+2.2
O28M	Mount Upton	83.62	27	P	P	00 48 35.9	+2.2
PRP	Porcupine Dome	83.64	21	P	P	00 48 34.1	+0.5
D23K	Nanushuk River	83.81	17	P	P	00 48 35.2	+1.0
QSPA	South Pole Qui	83.85	180	P	P	00 48 34.4	+0.3
QSPA	South Pole Qui	83.85	180	P	P	00 48 34.9	+0.1
B22K	Teshekpuk Lake	83.86	16	P	P	00 48 37.9	
F24K	Squaw Lake	83.87	19	I	Amb	00 48 38.8	
F24K	Squaw Lake	83.87	19	P	P	00 48 37.0	+2.4
A22K	Sinclair Lake	83.88	15	P	P	00 48 36.3	+1.8
J26L	Joseph Creek	83.88	23	I	Amb	00 48 39.3	
J26L	Joseph Creek	83.88	23	P	P	00 48 36.5	+1.7
L27K	Beaver Creek,	83.91	24	P	P	00 48 37.0	+2.1
H25L	Birch Creek	83.92	21	P	P	00 48 36.8	+2.0
YUK3	Moose Creek	83.92	26	P	P	00 48 37.1	+1.8
BCAR	Beaver Creek A	83.92	24	P	P	00 48 34.5	+0.5
TOLK	Toolik Lake Re	83.96	18	I	Amb	00 48 38.7	
TOLK	Toolik Lake Re	83.96	18	P	P	00 48 37.1	+1.9
E24K	Your Creek	83.98	18	P	P	00 48 37.2	+2.0
YUK8	Steele Glacier	84.02	26	P	P	00 48 37.8	+2.0
BVCY	Beaver Creek	84.02	25	P	P	00 48 37.6	+2.1
G25K	Bearman Lake	84.07	20	P	P	00 48 37.7	+2.1
O29M	Mount Kennedy	84.16	27	P	P	00 48 38.4	+2.1
K27K	Chicken	84.24	23	I	Amb	00 48 40.9	
K27K	Chicken	84.24	23	P	P	00 48 38.7	+2.2
FYU	Fort Yukon	84.27	20	I	Amb	00 48 40.5	
C23K	Iktilik River	84.34	17	I	Amb	00 48 41.5	
C23K	Iktilik River	84.34	17	P	P	00 48 39.2	+2.3
S31K	Pelican	84.40	30	P	P	00 48 39.0	+1.5
I26K	Coal Creek Min	84.41	22	P	P	00 48 39.2	+1.8
D24K	Happy Valley	84.47	18	I	Amb	00 48 41.1	
D24K	Happy Valley	84.47	18	P	P	00 48 39.8	+2.3
YUK6	Outpost Mounta	84.51	27	P	P	00 48 39.6	+1.4
YUK4	Talbot Arm	84.54	26	P	P	00 48 39.5	+1.2
F25K	Christian River	84.65	19	P	P	00 48 39.6	+1.0
C24K	Franklin Bluff	84.82	17	P	P	00 48 40.2	+0.9
P30M	Million Dollar	84.84	28	P	P	00 48 40.3	+0.6
HYT	Haines Junctio	84.85	27	I	Amb	00 48 43.5	
HYT	Haines Junctio	84.85	27	P	P	00 48 40.4	+0.5
EGAK	Eagle	84.93	23	I	Amb	00 48 43.7	
EGAK	Eagle	84.93	23	P	P	00 48 40.9	+1.0
E25K	Arctic Village	84.94	19	P	P	00 48 40.9	+0.9
G26K	Porcupine Rive	84.96	20	P	P	00 48 40.8	+0.7
MAW	Mawson	84.99	203	P	P	00 48 40.0	+0.2
MAW	Mawson	84.99	203	P	P	00 48 40.4	+0.1
KSH	Kashi	85.03	310	P	P	00 48 43.9	+2.7
KSH	Kashi			pP	sP	00 48 59.5	+2.0
KSH	Kashi			pmax	pmax		
KSH	Kashi			LR	LR		
KSH	Kashi			LR	LR		
M29M	Somme Creek	85.05	25	P	P	00 48 41.7	+0.9
I27K	Kandik River	85.12	22	P	P	00 48 41.6	+0.6
F26K	Sheenjek River	85.20	20	P	P	00 48 42.7	+1.4
D25K	Kavik River	85.30	18	I	Amb	00 48 44.7	
D25K	Kavik River	85.30	18	P	P	00 48 43.0	+1.2
DAWY	Dawson	85.32	24	P	P	00 48 43.4	+1.4
H27K	Steamboat Moun	85.43	21	P	P	00 48 43.2	+0.7
L29M	L29M	85.46	25	I	Amb	00 48 46.5	
O30M	Mendenhall	85.47	27	P	P	00 48 44.1	+1.3
G27K	Doyon Strip	85.64	21	I	Amb	00 48 47.1	
G27K	Doyon Strip	85.64	21	P	P	00 48 45.3	+1.7
BOOM	Boomscoyke ush	85.68	13	I	Amb	00 49 31.6	
I28M	Miner Creek	85.68	22	I	Amb	00 48 46.9	
I28M	Miner Creek	85.68	22	P	P	00 48 45.5	+1.6
KURK	Kurchatov	85.81	322	P	P	00 48 45.7	+1.1
KURK	Kurchatov			I	Amb	00 49 15.9	
KURK	Kurchatov	85.81	322	P	P	00 48 45.7	+1.1
KURK	Kurchatov			pmax	pmax		
M30M	Minto, Yukon	85.82	26	P	P	00 48 46.0	+1.4
KURB	Kurchatov Arra	85.84	322	P	P	00 48 43.5	-1.3

N31M	Braeburn, Yuko	85.87	27	I	Amb	00 48 50.4	
N31M	Braeburn, Yuko	85.87	27	P	P	00 48 46.1	+1.3
V35K	Ketchikan	85.97	33	P	P	00 48 46.1	+0.8
K29M	Barlow Dome	85.99	24	I	Amb	00 48 49.7	
K29M	Barlow Dome	85.99	24	P	P	00 48 46.3	+0.8
C26K	Camden Bay	86.05	18	P	P	00 48 46.5	+1.2
NIL	Nilore	86.06	304	P	P	00 48 45.3	-1.1
NIL	Nilore			I	Amb	00 49 10.7	
NIL	Nilore	86.06	304	P	P	00 48 45.3	-1.1
NIL	Nilore			pmax	pmax		
I29M	Ogilvie Camp,	86.27	23	P	P	00 48 47.5	+0.9
E27K	Coleen River	86.28	20	P	P	00 48 47.3	+0.7
H29M	Whitestone	86.59	22	P	P	00 48 49.4	+1.2
F28M	Old Crow	86.62	20	P	P	00 48 48.5	+0.1
Q32M	Niara River	86.70	30	P	P	00 48 49.0	-0.1
M31M	Drury Creek, Y	86.74	26	I	Amb	00 48 52.0	
M31M	Drury Creek, Y	86.74	26	P	P	00 48 49.5	+0.5
J30M	Hart River	86.75	24	P	P	00 48 49.4	+0.2
AAK	Ala-Archa	86.75	313	P	P	00 48 50.4	+0.7
AAK	Ala-Archa	86.75	313	P	P	00 48 50.4	+0.7
AAK	Ala-Archa			pmax	pmax		
AAK	Ala-Archa	86.75	313	P	P	00 48 48.9	-0.9
P33M	Teslin, Yukon	86.82	29	P	P	00 48 49.8	+0.2
D27M	Malcolm River	86.95	19	P	P	00 48 50.7	+0.8
S34M	Telegraph Cree	86.97	31	I	Amb	00 48 54.0	
S34M	Telegraph Cree	86.97	31	P	P	00 48 50.6	+0.4
I30M	Mount Dempster	86.97	23	I	Amb	00 48 53.4	
I30M	Mount Dempster	86.97	23	P	P	00 48 50.6	+0.4
G29M	Pin Creek	86.99	21	P	P	00 48 50.6	+0.4
E28M	Babbage River	87.15	20	I	Amb	00 48 54.5	
E28M	Babbage River	87.15	20	P	P	00 48 51.4	+0.5
T35M	Bob Quinn	87.17	32	P	P	00 48 51.5	+0.3
FARO	Faro, Yukon	87.21	27	I	Amb	00 48 54.9	
FARO	Faro, Yukon	87.21	27	P	P	00 48 51.5	+0.2
EPYK	Eagle Plains	87.26	22	P	P	00 48 52.0	+0.5
R33M	Jennings River	87.47	30	P	P	00 48 52.6	-0.1
E29M	Blow River	87.61	20	P	P	00 48 53.7	+0.6
G30M	tAoh Zraii Nji	87.67	22	I	Amb	00 48 56.3	
G30M	tAoh Zraii Nji	87.67	22	P	P	00 48 53.8	+0.3
DLBC	Dease Lake	87.67	31	I	Amb	00 49 11.5	
DLBC	Dease Lake	87.67	31	P	P	00 48 53.8	+0.2
DLBC	Dease Lake	87.67	31	P	P	00 48 54.2	+0.6
D28M	Stokes Point	87.71	19	P	P	00 48 54.2	+0.7
F30M	Bar River	88.06	21	P	P	00 48 55.5	+0.2
G31M	Satah River	88.37	22	P	P	00 48 57.2	+0.6
YBH	Yreka Blue Hor	88.72	48	P	P	00 48 58.7	-0.3
YBH	Yreka Blue Hor			LR	LR	01 23 30.2	
F31M	Tsigehtichik	88.74	22	P	P	00 48 59.3	+1.0
F31M	Tsigehtichik	88.74	22	P	P	00 48 58.4	0.0
INK	Inuvik	89.10	21	P	P	00 49 00.8	+0.7
INK	Inuvik	89.10	21	P	P	00 49 00.2	+0.2
INK	Inuvik	89.10	21	P	P	00 49 00.8	+0.7
INK	Inuvik			pmax	pmax		
INK	Inuvik	89.10	21	P	P	00 48 59.2	-0.8
INK	Inuvik			LR	LR	01 27 54.9	
AFDM	Forest Hills D	89.61	51	P	P	00 49 02.8	-0.4
AFDM	Forest Hills D			I	Amb	00 49 07.2	
PKM	Mpsherson Peak	89.98	55	P	P	00 49 04.5	-0.7
J05D	Fort Rock, OR	90.03	47	P	P	00 49 05.2	-0.1
PNTR	Pine Nut	90.69	51	I	Amb	00 49 13.0	
WAKR	Walker	90.74	52	I	Amb	00 49 12.3	
PAHR	Pah Rah Range	90.93	50	I	Amb	00 49 13.3	
YERR	Yerington	90.95	51	I	Amb	00 49 13.0	
ISA	Isabella, Lake	91.16	54	P	P	00 49 10.5	-0.1
BVAR	Borovoye Array	91.27	323	P	P	00 49 08.4	-2.1
BRVK	Borovoye	91.34	323	P	P	00 49 10.2	-0.7
BRVK	Borovoye	91.34	323	P	P	00 49 10.2	-0.7
BRVK	Borovoye			pmax	pmax		
I07A	Sunnyside	91.38	46	I	Amb	00 50 01.3	
E07A	Sunnyside	91.45	43	I	Amb	00 49 14.4	
EDWZ	Edwards Air Fo	91.46	55	P	P	00 49 12.5	

Table with columns: Code, Station Name, Az, El, P, Pdif, Time, Res. Includes stations like N23A Red Feather La, RES Resolute Bay, ISCO Idaho Springs, etc.

IDC 15 00:44.22.1.4, 34.81N:80.54E, h0km, mb3.75, mtbpm3.69, ML2.9/4, Error ellipse: s-maj=32.1km s-min=27.5km az=67.0.

DMN 15 00:43.00.7.1.6, 30.15N:83.57E, h33km, Error ellipse: s-maj=14.1km s-min=7.3km az=161.0.

ISC 15 00:41.49.7.0.8, 34.92N:101.80E:0.2, h35km, n19, c1544/19, mb3.75, Kizang

Table with columns: Code, Station Name, Az, El, P, Pdif, Time, Res. Includes stations like DANN Dangsing, PYUN Piuthan, GKN Gorkha, etc.

AFAD 15 00:44.17.7.0.0, 34.47N:45.61E, h7km, 3km, MW3.9 TEH 15 00:44.17.7.34.53N:45.78E, h6km, 71km, ML3.6

ISC 15 00:44.17.1.0.9, 34.47N:45.73E:0.05, h10km, n53, c2566/50, Iran-Iraq border region

Table with columns: Code, Station Name, Az, El, P, Pdif, Time, Res. Includes stations like IDHR Dehresh, IDHR Ghaleghazi, etc.

Table with columns: Code, Station Name, Az, El, P, Pdif, Time, Res. Includes stations like IKFM Kafar-mosalman, MAHB Mahabad, HSAM Samen, etc.

AU 15 00:47.39.9.1, 21.57S:169.30E, h0km, MLV.4.3/6, Southeast of Loyalty Islands

IDC 15 00:47.46.1.3.0, 21.09S:168.79E, h0km, mb3.8/2, mtbpm3.8/3, ML3.6/1, Error ellipse: s-maj=140.8km s-min=31.5km az=164.0.

ISC 15 00:47.47.8.1.8, 21.75S:168.76E:0.1, h10km, n11, c0544/12, Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Pdif, Time, Res. Includes stations like PINZ Pines Island, DZM Dzum, etc.

IDC 15 00:53.55.8.0.5, 26.05S:170.80E, h0km, mb4.5/20, mtbpm4.5/20, MS4.5/43, Error ellipse: s-maj=17.5km s-min=13.8km az=84.0.

GCMT 15 00:53.57.5.0.2, 26.05S:170.81E:0.02, h12km, 1km, MW5.1/109, Moment Tensor Solution, s28, c32, s109, c178, Duration: 0. Moment tensor: Scale 1016Nm; Mw=2.56, Ms=2.56, Mz=2.22, Mw2.95, Mz2.1, Mw-0.64, Ms-0.3, Mw-2.14, Ms-2.22, Mz-0.64. Best double couple: M=6.3400x1016 Np1=141.00000, 855.00000, 1-80.00000, NP2=303.00000, 637.00000, 1-104.00000. Principal axes: T. 5.7420, P1g9.0000, Azm223.0000; N. 1.2850, P1g8.0000, Azm315.0000; P. -7.0270, P1g78.0000, Azm86.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 15 00:53.57.5.1.2, 26.1S:170.9E:0.1, h10km, 1km, mb5.0/45, Error ellipse: s-maj=18.9km s-min=17.8km

ISC 15 00:53.57.8.0.4, 26.11S:170.08E:0.08, h11km, n146, c1836/109, mb4.9/54, MS4.5/48, 12C-4D, Indian Ocean Triple Junction

Table with columns: Code, Station Name, Az, El, P, Pdif, Time, Res. Includes stations like H0S81 Diego Garcia H, H0S82 Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, El, P, Pdif, Time, Res. Includes stations like BOSA comp=Z.5.3nm, 0.8s, baz=93, slow=6.5, SNR=5.9, LBTB Lobate, KMBO Kilima Mbogo, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like GNI, GTA, WMQ, BNN, MK31, MKAR, N22, BRTR, KVAR, HNS, ABKAR, JOW, HHC, HURBB, KURK, AKTO, TOAD, TORD, BVAR, BRVK, DBIC, SONM, KRVT, ULN, ZAAO, ZALV, ZALZ, VRI, FLOR, JNU, MLR, COVR, VOIR, ARR, ARU, KRSR, GZR, SURR, EZS, MARR, AKASG, HNR, KIRV, JCJ, VYHS, MDJ, MDJ, MJAR, MORC, VRAC, USRK, CLL, KLR, ASAJ, MSFV, PDAR, NVAR, TXAR.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IDHR, IGHG, ILIN, KCHF, ILBA, SDDS, IKOM, IBZA, MAHB, IKFM, HSAM, HAGD, IHSH, IAZR, CUKT, YOVA, HAKT, HAKT, HAKT, HAKT, ISRB, IHRS, SIRN, SIRN, SIRN, SIRN, JHBN, FUNUV, MCQV, CRUC, CRUC, LLCC, SANV, ARGC, ARGC, SIQV, SIQV, SOCV, SOCV, SMRC, CAPV, SANV, SANV, TEPU, TEPU, PAMC, PAMC, SJCC, JACV, JACV, MAPV, MAPV, BRRC, BARC, BARC, TURV, TURV, BAUV, BENV, BENV, PTBC, PTBC, TACV, TACV, SPBC, NORC, NORC, CHIC, CHIC, CBCC, GUYC, GUYC, GARC, GARC, ANF, NCEDC, NEIC, GZRR, BJOM, SCZ, BJCM, BVL, BPIM, BSRM, BSLM, SACP, SAO, BSGM, FRP, BBGG, BBGG, BSSM, BVNC, BVNC, BAPC, HSTM, HSTM, HLTN, LRV, HTBM, HTBM, OCR, OCR, BCWM, ANZ, HERM, BPRM, HFEM, PACP, HCOM, HCOM, CDC, HPCM, SLD, HMOJ, GHS, HLPM, BPOM.

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like JELB, PCCM, PMPB, PMPB, PMPB, HADI, CADM, SCWR, JLAB, PSAM, PJTM, PJTM, COB, CMMP, ARN, C072, MHC, PSMH, JIOM, PHSB, PDRM, SCCB, PHPM, CHMM, CANT, MTOS, PKD, PWMM, CMLM, PKCM, PPO, PVCM, CALM, PSTM, JSJM, JIOM, JPSM, PWKM, JFP, RAMR, PHFM, CTM, CSTL, JSFB, PHAM, WENL, GHC, GHC, CVLM, PKEM, PSRM, CNIC, PKLM, PSNM, TCAS, ARDC, TCHL, PHRM, CBSA, JCHM, TRAM, JCMO, JCPB, PTAM, SAC, TBCN, RGC, LSLM, JBSM, JMGJ, TSCS, TRAY, PDBM, PKD, PCCM, BKS, VOG, VOG, CMB, CMB, CMB, SMMC, SMMC, SMMC, KCC, CARG, CARG, CARG, VES, VES, CVS, MCMC, MCMC, MCMC, MRDM, MDPB, NTPM, MINS, MPMH, MMSM, PKM, PKM, PKM, MLIM, OMMB, OMMB, OMMB, MDYM, MDCN, MMLB, FIGC, MFLC, NBPM, MIMM, MMSM, MCMV, MLAC, MLAC, MLAC, MCMC, MCCR, MCCR, BCW, BCW, MLHM, AFDM, BHPH, CASR, WAKR, WAKR, MGNR.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Pn, Time, Res. Includes stations like BENTON, ISABELLA LAKE, CHIDAGO CANYON, etc.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Pn, Time, Res. Includes stations like SKCWR, PJUM, CADM, etc.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Pn, Time, Res. Includes stations like NDHM, MLHM, MTUM, etc.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Pn, Time, Res. Includes stations like IDC, ANF, NCEDC, NEIC, etc.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Pn, Time, Res. Includes stations like VOG, CTAM, CPIM, etc.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Pn, Time, Res. Includes stations like NVAR, NVAR, MPM, etc.

15d 2h

Table with columns: JTH, Tanohata, 1.01 335 P, Pn, 01 54 41.7 -0.3, etc.

15d 2h (continued)

Table with columns: WRA, Warramunga Arr, 59.15 169 P, P, 02 04 30.6 +8.4, etc.

IDC 15 02:01:49.2.1.6, 4.05S:143.06E, h0km, mb3.6/3,

mtbpm3.6/4, ML3.6/1, Error ellipse: s-maj=214.4km, s-min=29.5km az=117.0, North Guinea

IDC 15 02:02:24.3.0.5, 59.10S:17.14W, h0km, mb4.7/16, mtbpm4.7/16, ML6.0/1, MS4.7/39, Error ellipse:

Sandwich Islands

Table with columns: Code, Station Name, Az, Az, Phase ID, Time Res, etc.

2017 NOV

Main table with columns: RODS, ROSARIO DO SUL, 38.63 301 eP, P, 02 09 48.7 +0.2, etc.

1018

Table with columns: LVC, Limon Verde, 51.54 292 P, P, 02 11 31.0 -0.7, etc.

15d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like PB12, NPG, GO01, PDRB, CLDB, PTLB, etc.

2017 NOV

NEIC 15 02:25:58.5z.2.3.27:67S:0:03:71.61W:0:06,h8km,6km, mb4.1/5,ML4.1(GUC),Error ellipse: s-maj=8.0km s-min=4.0km az=92.0

Code Station Name Az Az' Phase ID Time Res Res. Includes stations like AC04, AC04, AC04, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like AC06, GO03, LCO, LCO, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like H03N2, H03N3, H03N3, etc.

NEIC 15 02:50:20.4z.2.0.15:3S:0:1x:177:23W:0:10,h357km,8km, mb4.4/73,Error ellipse: s-maj=18.8km s-min=11.7km

NOU 15 02:50:21.8, 15:13S:177:14W,h370km,h8/9,12,Fiji Islands Region

IDC 15 02:50:22.8z.1.6.15:05S:177:48W,h382km,15km,mb3.7/9, mb3.4/11,Error ellipse: s-maj=21.6km s-min=10.0km

ISC 15 02:50:22.9z.0.14.15:24S:0:08:177:18W:0:07,h400km, n155,0192/146,mb4.3/46,11C,7D,Fiji Islands region

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

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.

1023

Table with columns for station name, frequency, power, and other technical details. Includes stations like GOF, PAB, FMVR, SOC, BRVK, BVAR, ABKAR, KIV, KVAR, PACT, KBZ, NEUR, NCK, ZEI, MORF, C26K, BR131, INK, D27M, INK, INK, INK, B22K, C24K, C23K, E28M, D25K, E29M, B21K, D24K, F31M, F31M, ZALV, ZALV, D27K, D27K, D23K, C21K, D22K, G31M, G31M, F28M, E25K, G30M, GNI, GNI, GNI, G29M, G29M, KURK, KURK, E23K, KURBB, KURBB.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like KURBB, F25K, E22K, E22K, BMAR, C16K, EPYK, EPYK, E20K, YKA, F24K, F24K, G27K, G27K, C17K, G26K, IDI, H29M, H29M, F22K, BILL, BILL, BILL, G25K, H27K, F21K, G24K, G22K, I30M, I30M, G23K, I29M, I29M, F20K, F20K, I28M, MDT, I27K, I27K, E17K, J30M, J30M, H24K, I26K, I26K, I26K, PRP, PRP, H23K, H23K, H22K, EGAK, G19K, H21K, POKR, G18K, K29M, K29M, K29M, I23K, J26L, J26L, H20K, IL31, IL31, ILAR, J25K, J25K, I21K, CCB, K27K, K27K, K27K, G17K, HDA, NEA2, WRH, SCRK, DGZ, L29M, L29M, L29M, FARO, K24K, PKME, M30M, M30M, M30M, M31M.

15d 3h

Table with columns for station name, frequency, power, and other technical details. Includes stations like BPAW, BCAR, L27K, MCK, J20K, M22M, L26K, KK31, KK31, KK31, KKAR, KKAR, MENT, MK31, MK31, MKAR, MKAR, MKAR, PAX, BVCY, MMAI, MMAI, DHY, CAST, M27K, N31M, M26K, I17K, K20K, WAT1, N30M, J18K, WAT6, PPLA, M24K, WHY, GEYT, GEYT, GEYT, GYA0B, GYA0B, TTA, YUK8, O30N, YUK6, ASF, N25K, L20K, M23K, AAK, AAK, SML, CTG, R33M, SKT, L19K, M20K, CRQE, L17K, DLBC, MESA, MESA, P18L, L16K, ULM, L15K, M17K, SADO, L14K, M16K, M16K, P23K, EIL, N18K, TARG, TARG, TARG, EYMN, N17K, M13K, O18K, N15K, WMQ, WMQ, P18K.

15d 3h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KSH Kashi, SONM Songlino Array, ULN Ulanbaatar, etc.

2017 NOV

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PAHR Kaiserville, KVN Kaiserville, R11B Troy Canyon, etc.

1024

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SDV Santo Domingo, KMBO Kilima Mbojo, KMBO Kilima Mbojo, etc.

SOME 1503:37-45.4, 39:73N-74:50E, h25km
KRNET 1503:37-46.6, 0.1, 39:62N-74:19E, h13km, mb3.2
NNC 1503:37-47.2, 1.9, 39:87N-74:53E, h0km, mb4.1, mpv3.7,
Error ellipse: s-maj=13.8km s-min=7.7km az=174.0
ISC 1503:37-44.5-1.6, 39.62N-106.73W, XJ0E.03, h3km, 13km,
157, +1517/5, 24C-17Z, South Xinjiang

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, OHH Osh, etc.

15d 4h

Table with columns for station call letters, frequency, and other details. Includes stations like Pacaya, Las Nubes, Huatulco, Matias Romero, etc.

2017 NOV

Table with columns for station call letters, frequency, and other details. Includes stations like Grady, La Paz, Richland Creek, Sterling City, Palo Pinto, etc.

1026

Table with columns for station call letters, frequency, and other details. Includes stations like Mesa Verde, WUPAKI, State Crab, Snowmass, Pinyon Flats, etc.

Table with columns: I30M, I30M, M27K, PLCA, G31M, BCAR, F31M, L27K, SFJD, INK, K27K, EGAK, KLU, G29M, G007, RES, SCRK, RCBR, J26L, A36M, I26K, E29M, F28M, G27K, J25K, E28M, HDA, PRP, E27K, IL31, ILAR, RND, POKR, D27M, B2AR, BWR, TRF, H24K, KTH, I23K, E25K, BPAW, M20K, CAST, G23K, D25K, K20K, E22K, F21K, C23K, E1UN, F20K, BORG, JMJC, EKA, ESDC, EDSC, BILL, MDT, NB2, NOA, HFS, ARCES, DBIC, DBIC, DAVOX, TIXI, GERES, FINES, TORD, VRAC, KEST, VAE, AKASG, KURBB, MKAR, BOSA, MAW

Table with columns: WRA, ASAR, CMAR, IDC, MEX, Code, Station Name, Az, Phase ID, Time, Res, ISC, THIG, PATR, CHUU, PAVE, PCIG, PCIG, SULM, STG3, STG3, FUG, FUG, PCG, NBG, UXUV, UXUV, CMIG, H06E1, TXAR, PDAR, NVAR, ILAR, SMRN, RIV, KNDS, GBR5, SMRN, SKDS, CEY, A253A, VISN, BOJS, RABC, GBAS, TRI, BRJN, OZLJ, NVLJ, CRES, PLIT, A254A, VIRF, COLI, UDBI, PTJ, OBKA, DUGI, LORO, MYKA, A050A, MORI, ZIRJ, KBA, BLY, ABTA, ABTA, MGRS, ARSA, ARSA, SRKY, SRKY, BIOA, LESA

Table with columns: MOA, RONA, CONA, WTTA, CKRC, KHC, CLL, SVSA, Code, Station Name, Az, Phase ID, Time, Res, ISC, PSMN, PSMN, PSMN, PSMA, PSMA, BART, BART, PGRON, PGRON, CMLA, CMLA, PDA, PDA, PDA, PDA, PMAZ, PMAZ, PMAZ, FUL, FUL, PMPST, PMPST, PMPST, CRPB, GBSG, CTAM, CMBZ, CBOL, CSTM, CSTM, WENL, WENL, CVLM, BKS, VAK, VAK, CNIC, CNIC, MTOS, CALM, CMMU, NDHM, NBPM, NBPM, SAC, JFSB, JFSB, JCHM, JCHM, JFH, JFH, JMW, JMW, JLAB, JLAB, MCCM, MCCM, AFDM, AFDM, CMB, GHS, GHS, GDM, GDM, OHCM, OSTM, SRO, SRO, EMB, EMB, BBGB, BBGB, BBGB, DONR, MPK, WAKR, WAKR, PNTN, PNTN, PMPB, PMPB, YERR, YERR, MDPB, MDPB, MINS, MINS, OMMS, OMMS, OMMS, OMMS, MMLB, MMLB, MCSM, MCSM, MGRN, MGRN, PAHR, PAHR, PAHR, PAHR, LHV, LHV, RYN, RYN, RYN, NVAR, NVAR, NVN, NVN, KVN, KVN, KVN

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like NIUE, FUTU, TAVE, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like RIV, SYDH, RMQ, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like MTN, WRKA, WRAK, etc.

15d 5h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Santa Cruz Isl, Wanaagama, Wanaagama, etc.

2017 NOV

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Gold Mountain, Mina Array Sit, Wildcat Mountain, etc.

1030

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Mudanjiang, Mudanjiang, Mudanjiang, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include N23A Red Feather La, BJT Baijiatuu, BJT Baijiatuu, BJT Baijiatuu, BJT Baijiatuu, BJI Beijing, C17K DeLong Mountain, JCT Junction City, MAYO Mayo, Yukon, HND0 Hondo, SNDO Snyder, G24K Hadweenciv River, F22K John River, BRDLA Berland Lookou, COLD Coldfoot, LYN LuoYang, BILL Bilibino, AMTX Amarillo, I27K Kandik River, E20K Nigu River, KULM Kulim, D19K Kuna River, D19K Kuna River, ZEA Zeya, G25K Bearman Lake, I28M Miner Creek, I28M Miner Creek, J30M Hart River, J30M Hart River, TG7N Hyland Airport, LL01 San Ignacio de, D20K Etivluk River, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, E21K Killik River, E21K Killik River, F24K Squaw Lake, F24K Squaw Lake, C19K Lookout Ridge, LL02 Futaleuf, EGM7 Eagleton, I29M Ogilvie Camp, I29M Ogilvie Camp, APMT Aspermont, H27K Steamboat Moun, BRDY Brady, ABTX Abilene, Hawle, ABTX Abilene, Hawle, ABTX Abilene, Hawle, 735A Kennedy, 735A Kennedy, E23K Chandalar, G26K Porcupine Rive, I30M Mount Dempster, KOTAN Kotaneleele Air, E24K Your Creek, PSI Prapat, PSI Prapat, F25K Christian River, KSCO Kaye Shedlock, G27K Doyon Strip, G27K Doyon Strip, D22K Ayikyay River, C21K Knifeblade Rid, H29K Whitestone, TOLM Toolik Lake Re, TOLK Toolik Lake Re, F26K Sheenjek River, XLT XiLinHaoTe, XLT, XLT, D23K Nanushuk River, E25K Arctic Village, GYA Guiyang, GYA, GYA, B21K Ikpkpkuk River, B20K Meade River, HIA Hailar, HIA Hailar, NONG Nongkai, EPYK Eagle Plains, PLPT Palo Pinto, GSI Gunungsitoli

Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include D24K Happy Valley, D24K Happy Valley, G29M Pine Creek, LAO Lasa Array, LAO Lasa Array, LAO Lasa Array, SRIT Nakonsritamara, F28M Old Crow, G006 Curarrehue, SLVN Son La, ELIS Ellis County, SURA Sun La, NAYO Nakonayok, C23K Itkillik River, E27K Coleen River, E27K Coleen River, RSSD Black Hills, RSSD Black Hills, RSSD Black Hills, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, B22K Teshepkuk Lake, B22K Teshepkuk Lake, G30M Aoh Zraji Njii, D25K Kavir River, D25K Kavir River, C24K Franklin Bluff, XAN X'an, XAN X'an, U32A Winter Ranch, HKT Hockley, HKT, G31M Satah River, G31M Satah River, A22K Sinclair Lake, F30M Barrier River, E28M Babbage River, E28M Babbage River, HHC Hu-ho-hao-te, HHC, C26K Camden Bay, E29M Blow River, WRGLY Wrigley, D27M Malcolm River, D27M Malcolm River, F31M Tsigientchic, ELIB Princess Elisa, GO05 Huala, ML02 Panantart, R32A Long Quarter, R32A Long Quarter, D28M Stokes Point, DGMT Dagmar, DGMT Dagmar, INK Inuvik, INK Inuvik, INK Inuvik, TROLL Troll, Antarti, TROLL Yakutsk, YAK Yakutsk, BTO Baotou, BTO Baotou, BTO Baotou, VNA3 Neumayer Olymp, VNA3, SNA4 Sanae, SNA4 Sanae, SNA4 Sanae, SNA4 Sanae, SNA4 Sanae, SRDT SRDT, NMTX Nacogdoches, KMI Kunming, KMI, Z38A Mt. Pleasant, K30B Bassel

Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include MT09 Talagante, T35B Sooner Cattle, MT02 Curacay, VNA2 Neumayer-Watz, TUL3 Leonard, ROC1 Leonard, CRAI Chiangrai, VNA1 Old Crow, VNA1, BGNE Belgrade, NVL N'lazarevskaya, NVL, CO06 Fray Jorge, CO06, CO06 Kansas State, KSU1, CD2 Chengdu, CD2, MT08 Bocatoma Ro, MT08, CMAR Chiang Mai Arr, CMAR, PZH PanZhihua, PZH, PZH, CHTO Chiang Mai Arr, CHTO, CHTO Chiang Mai, CHTO, YKA Yellowknife Ar, YKA, YKA, CO03 El Pedregal, CO03, MIAR Mount Ida, MIAR, MIAR Mount Ida, MIAR, U38A Gravette, U38A, JTS Las Juntas de, JTS, JTS Las Juntas de, JTS, Z41A Riachland Creek, Z41A, Z41A Riachland Creek, Z41A, MDND Maddock, MDND, LCO Las Campanas, LCO, LCO Las Campanas, LCO, ECSD EROS Data Cent, ECSD, ECSD EROS Data Cent, ECSD, LZH Lanzhou, LZH, AC05 El Traslito, AC05, UALR University of, UALR, ATAH Atahualpa, ATAH, U40A Yellville, U40A, ZON Zonda, ZON, ZON Zonda, ZON, S39A Bolivar, S39A, WHAR Woolly Hollow, WHAR, FCAR Ozark Folk Cen, FCAR, P38A Dawn, P38A, P38A Dawn, P38A, F33A 5 Mile Ranch, F33A, F33A 5 Mile Ranch, F33A, R40A Maddies Statio, R40A, N38A Joes South For, N38A, LCAR Lake Charles, LCAR, A36M Sachs Harbour, A36M, ULN Ulaanbaatar, ULN, ULN Ulaanbaatar, ULN, ULN Ulaanbaatar, ULN, SCIA State Center, SCIA, T42A Van Buren, T42A, CCM Cathedral Cave, CCM, AGMN Agassiz Nation, AGMN, SONM Songoing Array, SONM, I37B Waseca, I37B, ULM Lac du Bonnet, ULM, ULM, F36A Milaca, F36A, SPMN Marine on St., SPMN, TIXI Tiksi, TIXI, TIXI Tiksi, TIXI, JFWS Jewell Farm, JFWS, SFIN Lafayette, SFIN

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

IDC 15 05:15:43.4±3.7, 55.72°N, 86.02°E, h0km, mbtmp2.6/2, ML2.3/2, Error ellipse: s-maj=31.3km s-min=26.6km az=30.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, KURBB, MKAR.

KMA 15 05:22:44.1±0.1, 36.08°N, 129.32°E, h0km, Error ellipse: s-maj=2.7km s-min=0.9km az=257.0 JMA 15 05:22:44.1±0.5, 36°N, 129.3°E, h7km, MW3.1/8, S KOREAN PENINSULA REG

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

VAO 15 05:23:20.1±0.7, 24.26°S, 68.21°W, h300km, mb3.8 IDC 15 05:23:23.7±1.1, 24.20°S, 66.90°W, h178km, 11km, mb3.1/4, mbtmp3.6/10, MS3.5/1, Error ellipse: s-maj=18.0km s-min=1.2km az=59.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SLA, AF01, AZAP, etc.

Table with columns: LVC, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Limon Verde, Yavi, etc.

Table with columns: LVC, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ALOL, AHML, etc.

Table with columns: LVC, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AC01, AC04, etc.

Table with columns: LVC, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PANT, AMBA, etc.

Table with columns: LVC, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BTGT, PCRV, etc.

Table with columns: LVC, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MTO3, SNA, etc.

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

South Korea

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

LZH	comp=Z,19um,11.9s	LR	LR						
SOMI	comp=Z,24um,12.5s	P	P	05 34 12.8 +0.4					
SOMI	Songino Array	20.62 312	P	05 34 14.1 -0.5					
SOMI	comp=Z,31nm,0.8s,baz=125,slow=11,SNR=128	Lg	Lg	05 40 25.8					
SOMI	comp=Z,0.3nm,0.3s,baz=123,slow=18,SNR=14	LR	LR	05 42 56.3					
SOMI	comp=Z,7um,20.3s,baz=118,slow=39	LR	LR						
SOMI	comp=Z,31nm,0.8s	LR	LR						
GYA	Guiyang	21.60 250	iP	05 34 23.0 -0.1					
GYA			pP	05 34 29.0 +4.9					
GYA			S	05 38 16.8 -6.3					
GYA	comp=Z,56nm,1.0s		pmax						
GYA	comp=Z,990nm,5.2s		pmax						
GYA	comp=Z,11um,9.2s		LR						
GYA	comp=Z,8um,9.1s		LR						
GYA	comp=Z,17um,15.3s		LR						
CD2	Chengdu	21.93 264	P	05 34 26.8 +0.2					
CD2			PP	05 34 49.3 +1.4					
CD2			Pn	05 38 22.6 -6.8					
CD2			SS	05 38 59.8 +5.4					
CD2	comp=Z,90nm,0.9s		pmax						
CD2	comp=Z,810nm,2.9s		LR						
CD2	comp=Z,23um,10.4s		LR						
CD2	comp=Z,23um,14.3s		LR						
CD2	comp=Z,29um,13.3s		LR						
CD2	comp=Z,3um,20.4s,baz=346,slow=39		LR						
GTG	Tagaytay City	23.18 201	LR	05 44 25.2					
GTG	Gaotai	23.54 287	iP	05 34 44.4 +1.0					
GTG			pP	05 34 51.8 +6.9					
GTG			S	05 38 58.1 0.0					
GTG	comp=Z,75nm,1.4s		pmax						
GTG	comp=Z,2um,8.3s		LR						
GTG	comp=Z,7um,10.2s		LR						
GTG	comp=Z,16um,14.2s		LR						
GTG	comp=Z,18um,13.8s		LR						
ZAK	Zakamensk	23.60 315	eP	05 34 44.2 +0.4					
ZAK			pmax						
IRK	irkutsk	23.98 320	eP	05 34 49.2 +1.8					
IRK			pmax						
BOD	Bodaibo	24.00 340	eP	05 34 47.5 0.0					
BOD			pmax						
SKR	Severo-Kuril's	24.13 44	eP	05 34 48.4 -0.3					
QIZ	Qiongzong	24.18 230	P	05 34 50.0 +0.5					
QIZ			S	05 39 10.0 +1.7					
QIZ	comp=Z,2um,4.9s		LR						
QIZ	comp=Z,30um,13.5s		LR						
QIZ	comp=Z,31um,13.5s		LR						
QIZ	comp=Z,8um,12.1s		LR						
KMI	Kunming	25.31 252	iP	05 34 59.5 -0.5					
KMI			S	05 39 16.3 -1.1					
KMI			sS	05 39 34.3 +5.5					
KMI	comp=Z,120nm,1.0s		pmax						
KMI	comp=Z,1um,3.6s		LR						
KMI	comp=Z,26um,13.4s		LR						
KMI	comp=Z,14um,16.0s		LR						
KMI	comp=Z,12um,19.4s		LR						
PZH	PanZhiHua	25.39 256	P	05 35 00.1 -0.5					
PZH			S	05 39 23.5 -4.4					
PZH	comp=Z,20nm,0.8s		pmax						
PZH	comp=Z,870nm,6.5s		LR						
PZH	comp=Z,26um,16.2s		LR						
PZH	comp=Z,13um,15.7s		LR						
PZH	comp=Z,6um,16.7s		LR						
MOY	Mondy	25.47 317	eP	05 35 05.0 +3.9					
MOY			pmax						
YAK	Yakutsk	25.95 0	P	05 35 03.5 -1.7					
YAK			IAMS_20	05 45 09.5					
YAK	comp=Z,7um,19.0s		eP	05 35 05.4 +0.3					
YAK			eS	05 35 42.5					
YAK			S	05 39 37.2 +1.3					
YAK	comp=Z,99nm,1.1s		pmax						
YAK	comp=N,59nm,1.1s		pmax						
YAK	comp=E,22nm,1.0s		pmax						
YAK	comp=Z,272nm,2.5s		pmax						
YAK	comp=N,483nm,2.3s		pmax						
YAK	comp=E,197nm,2.2s		smax						
YAK	comp=N,1um,4.3s		smax						
YAK	comp=E,698nm,4.0s		MLR						
YAK	comp=Z,6um,13.0s		MLR						
PETK	Petrovsk	26.13 41	P	05 35 05.7 -1.2					
PETK	comp=N,4um,13.0s		LR						
GUMO	Guam	26.40 144	LR	05 44 50.7					
GUMO	comp=N,3um,20.4s,baz=350,slow=39		IAMS_20	05 45 37.9					
PET	Petrovsk	26.60 41	eP	05 35 15.2 +4.1					
PET			eS	05 39 42.6 -3.7					
PET	comp=Z,5um,18.0s		MLR						
PET	comp=Z,4um,16.0s		MLR						
SLVN	Son La	26.63 243	P	05 35 11.2 -0.6					
SLVN			IAMS_20	05 45 41.9					
MA2	Magadan	27.29 24	P	05 35 17.0 -0.3					
MA2			IAMB	05 35 20.2					
MA2	comp=Z,66nm,1.1s		P	05 35 17.8 +0.5					
MA2			pmax						
MA2	comp=Z,152nm,2.5s		MLR						
MA2	comp=Z,4um,17.0s		LR	05 45 38.5					
MA2	comp=Z,3um,18.7s,baz=221,slow=35		LR	05 35 22.9 +0.3					
GOMU	GeErliu	27.80 281	iP	05 35 22.9 +0.3					
GOMU			S	05 35 32.1 +8.0					
GOMU			pmax	05 40 06.3 -0.2					
GOMU	comp=Z,23nm,1.7s		LR						
GOMU	comp=Z,4um,13.4s		LR						
GOMU	comp=Z,7um,13.8s		LR						
GOMU	comp=Z,7um,14.3s		LR						
TNCH	TengChong	28.64 256	P	05 35 29.5 -0.4					
TNCH			S	05 40 16.3 -3.1					

TNCH		SS	SnSn	05 41 44.0 +5.3					
TNCH		pmax	pmax						
TNCH	comp=Z,43nm,0.5s								
TNCH	comp=Z,440nm,3.3s		LR						
TNCH	comp=Z,19um,15.6s		LR						
TNCH	comp=Z,10um,15.9s		LR						
TNCH	comp=Z,7um,13.7s		LR						
DAV	Davaco City (W)	29.11 188	LR	05 49 29.2					
CRAI	Chiang Mai	29.11 188	P	05 35 39.1 -1.8					
CRAI	Chiangrai	29.90 246	IAMS_20	05 48 24.4					
SEY	Seymchan	30.39 21	eP	05 35 44.8 0.0					
SEY			pmax						
SEY	comp=Z,54nm,2.5s		MLR						
SEY	comp=Z,3um,15.0s		MLR						
SEY	Seymchan	30.39 21	LR	05 48 26.8					
CHTO	Chiang Mai	31.83 245	P	05 35 57.0 -1.0					
CHTO	Chiang Mai	31.83 245	IAMS_20	05 50 27.6					
CHTO	Chiang Mai	31.83 245	P	05 35 58.1 +0.1					
CHTO	Chiang Mai	31.83 245	P	05 35 57.0 -1.0					
CHTO	comp=Z,12nm,1.0s		MLR						
CHTO	comp=Z,4um,18.0s		MLR						
CMAR	Chiang Mai Arr	32.05 245	P	05 35 58.1 -1.8					
CMAR	Chiang Mai Arr	32.05 245	iP	05 36 00.5 +0.5					
CMAR	comp=Z,5.0nm,0.8s		pmax						
CMAR	Chiang Mai Arr	32.05 245	P	05 35 59.4 -0.6					
CMAR	comp=Z,3.8nm,0.5s,baz=40,slow=7.4,SNR=30								
MYLDM	Lahad Datu	32.36 201	P	05 36 02.6 0.0					
MYLDM			IAMB	05 36 33.2					
LSA	Lhasa	32.55 270	IAMS_20	05 49 39.3					
WMQ	Urumqi	32.57 297	eP	05 36 04.4 +0.1					
WMQ			pmax						
WMQ	comp=Z,15nm,1.1s		pmax						
WMQ	comp=Z,300nm,6.5s		LR						
WMQ	comp=Z,8um,10.7s		LR						
WMQ	comp=Z,7um,12.3s		LR						
WMQ	comp=Z,4um,23.1s		LR						
DGZ	Jazzart, Alta	33.13 307	eP	05 36 10.5 +1.2					
DGZ			pmax						
DGZ	comp=Z,26nm,1.0s		MLR						
SHL	Shilong	33.66 262	P	05 36 13.0 -1.2					
SHL			IAMS_20	05 51 21.7					
SHL	comp=Z,6um,19.0s		P	05 36 13.9 -0.3					
SHL	SNR=7.0		P	05 36 13.0 -1.2					
SHL	comp=Z,20nm,0.9s		MLR						
ZSN	Zaisan	34.62 303	eP	05 36 22.2 +0.2					
ZSN			eS	05 41 52.5 +0.4					
ZSN	baz=303		S	05 36 22.2 +0.2					
ZSN	Zaisan	34.62 303	eS	05 41 52.4 +0.4					
ZSN			S	05 51 52.4					
BRDH	Bariadhala	35.25 258	LR	05 36 22.2 +0.2					
ZAAO	Zalesovo Array	35.47 314	P	05 36 29.0 -0.3					
ZALV	Zalesovo Beam	35.47 314	P	05 36 29.0 -0.3					
ZALV	Zalesovo Beam	35.47 314	iP	05 36 30.2 +0.9					
ZALV			pmax						
ZALV	comp=Z,5.0nm,0.8s		P	05 36 29.2 0.0					
ZALV	Zalesovo Beam	35.47 314	P	05 36 29.2 0.0					
ZALV	comp=Z,5.0nm,0.8s,baz=108,slow=8.7,SNR=13		PcP	05 38 58.0 -0.7					
ZALV	comp=Z,5.7nm,0.9s,baz=97,slow=3.6,SNR=6.3		LR	05 50 08.6					
ZALV	comp=Z,5um,18.6s,baz=101,slow=35								
ZALV	comp=Z,5.0nm,0.8s								
TIXI	Tiksi	35.61 360	P	05 36 29.4 -0.8					
TIXI			IAMB	05 36 33.9					
TIXI	comp=Z,88nm,1.0s								
TOLJ	Toitoli	35.61 360	eP	05 36 30.8 +0.5					
TOLJ			P	05 36 30.9 -0.8					
TOLJ			IAMB	05 36 33.4					
TAPN	Taplejung	36.26 268	eP	05 36 36.9 +0.2					
MK31	Makanchi Array	36.36 302	P	05 36 35.9 +1.2					
MK31	Makanchi Array	36.36 302	eP	05 36 36.8 -0.3					
MK31			pmax						
MKAR	Makanchi Array	36.36 302	P	05 36 35.7 -1.4					
MKAR	Makanchi Array	36.36 302	iP	05 36 37.2 +0.1					
MKAR			pmax						
MKAR	comp=Z,3.0nm,0.5s		P	05 36 36.6 -0.5					

HDA	Harding Lake	55.45	32	P	P	05 39 07.2	-0.2
WAT6	Susitna Watana	55.50	34	P	P	05 39 07.9	-0.1
H25L	Birch Creek	55.52	29	P	P	05 39 08.3	+0.5
DHY	Denali Highway	55.56	33	P	P	05 39 08.8	+0.4
GEYT	Alibek	55.59	295	P	P	05 39 09.0	+0.2
GEYT	comp=Z,16m,0.7s,baz=57,slo=5.5,SNR=17				LR	06 05 17.9	
PWL	Port Wells	55.62	36	Iamb	Iamb	05 39 12.2	
PWL	Port Wells	55.62	36	P	P	05 39 08.5	-0.1
M23K	Glacier View	55.69	35	P	P	05 39 09.3	+0.2
FYU	Fort Yukon	55.69	29	Iamb	Iamb	05 39 11.6	
BMAR	Burrnt Mountain	55.76	28	P	P	05 39 10.1	+0.5
WB0	Warramunga Arr	55.77	174	P	P	05 39 08.2	-1.9
PRP	Porcupine Dome	55.80	30	P	P	05 39 09.9	-0.1
PRP	Porcupine Dome	55.80	30	P	P	05 39 10.4	+0.4
SCM	Sheep Creek Mo	55.86	35	P	P	05 39 10.6	+0.2
SCM	Sheep Creek Mo	55.86	35	P	P	05 39 10.9	+0.5
SCM	Sheep Creek Mo	55.86	35	P	P	05 39 10.6	+0.2
SCM	comp=Z,106m,1.5s				pmx		
F26K	Sheenjek River	55.87	27	P	P	05 39 11.5	+1.2
WRAB	Tennant Creek	55.93	174	P	P	05 39 07.2	-4.0
WRAB	Tennant Creek	55.93	174	P	P	05 39 07.2	-4.0
WRA	Warramunga Arr	55.94	174	P	P	05 39 09.1	-2.3
WRA	Warramunga Arr	55.94	174	P	P	05 39 10.0	-1.3
W2B	Warramunga Arr	55.94	174	P	P	05 39 10.5	-0.8
WR0	Warramunga Arr	55.98	174	P	P	05 39 10.6	-1.0
J25K	Salcha River	56.07	31	P	P	05 39 11.3	-0.6
K24K	Donnelly Dome	56.09	32	P	P	05 39 13.0	+1.0
PRGR	Permogore	56.10	325	eP	pmx	05 39 10.1	-1.9
G26K	Porcupine River	56.17	28	P	P	05 39 13.6	+1.2
GLI	Glacier Island	56.20	36	P	P	05 39 13.0	+0.2
P23K	Montague Islan	56.28	37	P	P	05 39 13.7	+0.4
M24K	Tolsona, Glenn	56.33	34	P	P	05 39 14.8	+1.1
PAX	Paxson	56.43	33	P	P	05 39 14.4	-0.1
KLU	Klutina	56.60	35	Iamb	Iamb	05 39 19.1	
KLU	Klutina	56.60	35	P	P	05 39 16.0	+0.3
D27M	Malcolm River	56.65	25	IAMS_20	IAMS_20	06 03 16.7	
D27M	Malcolm River	56.65	25	P	P	05 39 16.5	+0.6
E27K	Coleen River	56.69	27	IAMS_20	IAMS_20	06 05 09.8	
E27K	Coleen River	56.69	27	P	P	05 39 16.6	+0.4
HARP	HAARP	56.71	34	P	P	05 39 16.8	+0.4
SCRK	Sand Creek	56.81	32	Iamb	Iamb	05 39 19.9	
SCRK	Sand Creek	56.81	32	IAMS_20	IAMS_20	06 04 32.4	
SCRK	Sand Creek	56.81	32	P	P	05 39 17.2	-0.1
I26K	Coal Creek Min	56.82	30	P	P	05 39 16.9	-0.2
J26L	Joseph Creek	56.86	31	P	P	05 39 17.2	-0.3
EYAK	Cordova Ski Ar	56.93	36	P	P	05 39 18.6	+0.7
Q23K	Middleton Isla	56.95	37	P	P	05 39 18.2	+0.2
G27K	Doyon Strip	57.02	28	Iamb	Iamb	05 39 22.4	
G27K	Doyon Strip	57.02	28	IAMS_20	IAMS_20	06 02 58.6	
G27K	Doyon Strip	57.02	28	P	P	05 39 19.6	+1.0
N25K	Chitina, Valde	57.18	35	P	P	05 39 20.8	+1.0
MENT	Mentasta	57.21	33	P	P	05 39 21.0	+1.0
MENT	comp=Z,21nm,0.7s				IAMS_20	06 07 54.9	
H27K	Steamboat Moun	57.22	29	P	P	05 39 20.5	+0.5
E28M	Bababe River	57.31	26	Iamb	Iamb	05 39 24.1	
E28M	Bababe River	57.31	26	IAMS_20	IAMS_20	06 03 36.3	
E28M	Bababe River	57.31	26	P	P	05 39 21.1	+0.5
L26K	Log Cabin Wild	57.35	33	IAMS_20	IAMS_20	06 08 08.6	
L26K	Log Cabin Wild	57.35	33	P	P	05 39 21.4	+0.5
BMRM	Bremner River	57.35	35	P	P	05 39 21.4	+0.4
I27K	Kandik River	57.36	30	P	P	05 39 22.0	+1.0
D28M	Stokes Point	57.39	25	P	P	05 39 21.2	+0.2
F28M	Old Crow	57.47	27	IAMS_20	IAMS_20	06 05 45.5	
F28M	Old Crow	57.47	27	P	P	05 39 22.6	+0.8
RAGM	Ragged Mountai	57.49	36	IAMS_20	IAMS_20	06 05 46.4	
GLB	Gilahina Butte	57.59	35	Iamb	Iamb	05 39 26.4	
K27K	Chicken	57.61	31	Iamb	Iamb	05 39 26.3	
K27K	Chicken	57.61	31	IAMS_20	IAMS_20	06 05 08.4	
K27K	Chicken	57.61	31	P	P	05 39 23.0	+0.3
BELG	Belogornoye	57.66	314	eP	pmx	05 39 22.8	-0.4
BELG	comp=Z,26nm,1.0s				MLR		
BELG	Belogornoye	57.66	314	LR	LR	06 05 40.6	
BELG	comp=Z,46m,1.8s,baz=57,slo=38						
MBWA	Marble Bar	57.68	191	P	P	05 39 22.2	-1.3
MBWA	Marble Bar	57.68	191	P	P	05 39 22.8	-0.7
M26K	Nabesna, AK	57.68	33	Iamb	Iamb	05 39 27.1	
M26K	Nabesna, AK	57.68	33	P	P	05 39 24.0	+0.7
HMT	Hamilton	57.70	36	IAMS_20	IAMS_20	06 06 01.0	
KAIM	Kayak Island	57.74	36	P	P	05 39 24.1	+0.4
EGAK	Eagle	57.78	30	Iamb	Iamb	05 39 26.7	
EGAK	Eagle	57.78	30	P	P	05 39 24.0	+0.1
VRDI	Verde Repeater	57.81	35	Iamb	Iamb	05 39 28.0	
VRDI	comp=Z,42nm,1.2s				IAMS_20	06 03 45.0	
BERG	Berg Lake	57.95	36	IAMS_20	IAMS_20	06 07 57.6	
E29M	Blower River	57.96	26	Iamb	Iamb	05 39 28.6	
E29M	Blower River	57.96	26	IAMS_20	IAMS_20	06 03 57.3	
E29M	Blower River	57.96	26	P	P	05 39 25.3	+0.3

MCARA	McCarthy VSAT	57.97	35	P	P	05 39 25.6	+0.3
MCARA	comp=Z,71nm,1.3s				Iamb	05 39 29.4	
MCARA	McCarthy VSAT	57.97	35	P	P	05 39 26.5	+1.2
L27K	Beaver Creek	58.00	32	Iamb	Iamb	05 39 29.5	
L27K	Beaver Creek	58.00	32	IAMS_20	IAMS_20	06 04 45.8	
L27K	Beaver Creek	58.00	32	P	P	05 39 26.4	+0.8
I28M	Miner Creek	58.07	29	Iamb	Iamb	05 39 31.8	
I28M	Miner Creek	58.07	29	IAMS_20	IAMS_20	06 03 34.6	
I28M	Miner Creek	58.07	29	P	P	05 39 26.6	+0.5
MNCI	Minicoy	58.08	256	IAMS_20	IAMS_20	06 04 59.2	
CRQM	Cirque	58.10	35	Iamb	Iamb	05 39 30.0	
CRQE	Cirque	58.12	35	P	P	05 39 27.3	+0.7
CTA	Charters Tower	58.13	161	P	pmx	05 39 27.4	+0.6
CTA	Charters Tower	58.13	161	LR	LR	06 03 12.7	
CTAO	Charters Tower	58.13	161	P	pmx	05 39 27.4	+0.6
CTAO	comp=Z,24nm,0.8s				pmx		
M27K	Edge Creek, AK	58.19	33	P	P	05 39 27.9	+0.9
BGLC	Bering Glacier	58.23	36	P	P	05 39 27.9	+0.8
TGL	Tana Glacier	58.25	35	Iamb	Iamb	05 39 29.2	
G29M	Pine Creek	58.36	28	Iamb	Iamb	05 39 32.5	
G29M	Pine Creek	58.36	28	IAMS_20	IAMS_20	06 04 50.1	
G29M	Pine Creek	58.36	28	P	P	05 39 28.9	+0.9
G29M	comp=Z,24nm,1.1s						
H29M	Whitestone	58.45	28	Iamb	Iamb	05 39 32.3	
H29M	Whitestone	58.45	28	IAMS_20	IAMS_20	06 04 59.5	
H29M	Whitestone	58.45	28	P	P	05 39 29.4	+0.8
ISLE	Juniper Island	58.52	35	Iamb	Iamb	05 39 33.3	
ISLE	comp=Z,40nm,1.2s				IAMS_20	06 04 08.8	
BVCY	Beaver Creek	58.62	33	P	P	05 39 30.2	+0.4
BARN	Barnard Glacie	58.70	35	P	P	05 39 30.6	0.0
BARN	Barnard Glacie	58.70	35	Iamb	Iamb	05 39 34.2	
DAWY	Dawson	58.73	31	P	P	05 39 30.2	-0.4
DAWY	Dawson	58.73	31	P	P	05 39 30.9	+0.3
I29M	Ogilvie Camp,	58.75	29	IAMS_20	IAMS_20	06 04 52.4	
I29M	Ogilvie Camp,	58.75	29	P	P	05 39 31.1	+0.4
LVZ	Lovozero	58.80	334	eP	pmx	05 39 32.9	+1.8
LVZ	comp=Z,29nm,1.3s				MLR		
MESA	MESA	58.84	36	P	P	05 39 31.9	+0.3
CTG	Chitna Glacier	58.87	35	P	P	05 39 32.2	+0.4
CTGM	Chitina Glacie	58.88	35	Iamb	Iamb	05 39 35.4	
F30M	Barrier River	58.96	26	P	P	05 39 32.7	+0.6
YUK3	Moose Creek	59.01	34	P	P	05 39 32.7	-0.1
G30M	IAoh Zraii Nji	59.01	27	IAMS_20	IAMS_20	06 06 43.3	
G30M	IAoh Zraii Nji	59.01	27	P	P	05 39 32.5	0.0
EPYK	Eagle Plains	59.03	28	Iamb	Iamb	05 39 35.7	
EPYK	Eagle Plains	59.03	28	IAMS_20	IAMS_20	06 05 21.8	
EPYK	Eagle Plains	59.03	28	P	P	05 39 32.8	+1.1
KLMP	Klimovskoe	59.15	325	eP	P	05 39 31.6	-0.9
KLMP	Klimovskoe	59.15	325	eP	P	05 39 31.6	-1.9
KLMP	Klimovskoe	59.15	325	AMP	AMP	05 39 36.8	
KLMP	comp=Z,109nm,1.4s						
KLMP	Klimovskoe	59.15	325	eP	P	05 41 42.7	-1.1
KLMP	Klimovskoe	59.15	325	S	S	05 47 37.9	-4.4
KLMP	Klimovskoe	59.15	325	S	S	05 47 36.9	-4.4
KLMP	Klimovskoe	59.15	325	LQ	LQ	05 59 55.8	
KLMP	Klimovskoe	59.15	325	LQ	LQ	05 59 55.8	
KLMP	Klimovskoe	59.15	325	LR	LR	06 02 02.1	
KLMP	Klimovskoe	59.15	325	AMP	AMP	06 08 28.5	
KLMP	comp=Z,44m,12.0s						
KLMP	Klimovskoe	59.15	325	eP	P	05 49 31.6	-1.9
KLMP	Klimovskoe	59.15	325	S	S	05 41 42.7	-1.9
KLMP	Klimovskoe	59.15	325	pmx	pmx	05 47 36.8	-4.5
KLMP	comp=Z,109nm,1.4s				MLR		
KLMP	comp=Z,44m,12.0s				MLR		
APA	Apatity	59.36	334	eP	P	05 39 33.1	-1.8
APA	Apatity	59.36	334	PS	PS	05 47 37.0	6.9
APA	Apatity	59.36	334	PS	PS	05 47 50.0	-4.7
APA	Apatity	59.36	334	i	i	05 49 24.0	
APA	Apatity	59.36	334	i	i	05 51 40.0	+2.1
APA	Apatity	59.36	334	i	i	05 54 09.0	
APA	comp=Z,37nm,1.0s				MLR		
SPITS	Spitsbergen Ar	59.41	347	P	P	05 39 36.3	+1.2
SPITS	Spitsbergen Ar	59.41	347	LR	LR	06 07 00.0	
SPITS	comp=Z,24m,18.6s,baz=20,slo=38						
SPITS	comp=Z,14nm,1.0s						
O28M	Mount Upton	59.47	35	P	P	05 39 36.4	+0.4
YUK6	Steele Glacier	59.49	34	P	P	05 39 36.8	+0.6
INK	Inuvik	59.51	25	P	P	05 39 35.0	-0.9
INK	Inuvik	59.51	25	Iamb	Iamb	05 39 38.8	
INK	Inuvik	59.51	25	IAMS_20	IAMS_20	06 05 00.5	
INK	Inuvik	59.51	25	P	P	05 39 36.0	+0.1
INK	Inuvik	59.51	25	P	P	05 39 35.0	-0.9
INK	comp=Z,30nm,1.1s				MLR		
INK	Inuvik	59.51	25	P	P	05 39 36.0	+0.1
INK	Inuvik	59.51	25	P	P	05 39 35.0	-0.9
INK	comp=Z,30nm,1.1s				MLR		
INK	Inuvik	59.51	25	LR	LR	06 05 32.9	
I30M	Mount Dempster	59.56	29	P	P	05 39 36.5	0.0
K29M	Barlow Dome						

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like Ostrava-Krasne, Vladia, Edinick, Pavilkeni, Gura Zlata, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like YER Yerkesk, H04A Detroit Lake, BORG Borgarnes, HSKC Hora Svate Kat, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like MSO Missoula, SABO Mite Sabotino, ABTA Abfaltersbach, WATA Walderalm, etc.

Table with columns: LTRQ, MNXX, SMWD, CROK, SADO, TAEO, M44A, L46A, T35A, OK048, K50A, AAM, PECS, WMOK, WMOK, WMOK, OK030, O44A, PVAQ, FRNY, SFIN, F63A, N47A, VOI, J54A, SLM, MEDO, U38A, CCM, CCM, J55A, MBAR, MBAR, M50A, N49A, VT1, J56A, NCB, HHAR, MGMO, J57A, FVPM, ERNH, J58A, LPIG, OLIL, O49A, TX32, TXAR, TXAR, K57A, M53A, BLO, ACCN, P48A, Z35A, ACSO, CGM3, FOMA, N53A, FCYR, FTR, LCAR, L59A, O53A, PARMO, WCI, MIAR, MIAR, T45A, P62A, P52A, L61B, HICK, Q51A

Table with columns: UALR, Z38A, HBAR, R50A, N58A, T47A, Q52A, BRYW, ODNJ, T37A, 435B, PAL, LUPA, M63A, SS1A, MVL, P57A, U49A, CLTN, NATX, OXF, V48A, R55A, PLAL, S54A, P61A, Y45A, 143A, HKT, SWET, V51A, X48A, W50A, R58B, V52A, U54A, TKL, FPAL, V53A, T57A, W52A, Z47A, 146A, LRAL, KMSC, U59A, Y52A, Z51A, HODGE, BIRD, GOGA, JSC, Z50A, W59A, 152A, PMOZ, Y57A, 154A, Y60A, LSZ, TORD, TORD, TORD, MAW, VVDA, BOSB, T5UM, GTBY, WIN, CRIN, SDDR, SJG, HDC, QSPA, SVN, ELIB, SDV, TROLL, SNA, SNA, VNA1, VNA3, CZSB

Table with columns: CZSB, MACA, TMAB, ROBS, SMAI, RCBR, RCBR, PMSA, PMSA, SAML, SAML, SAML, SMTB, SMTB, CLDB, LPAZ, LPAZ, LPAZ, LPAZ, PTLB, PLCA, AGDS, CPUP, CPUP, FRBT

IDC 15 05:30.8:2.7, 54:14N:86.42E, h0km, mbtmp:2.7k, ML2.2/2: Error ellipse: s-maj=20.9km s-min=12.8km az=62.0, Southwestern Siberia

Table with columns: Code, Station Name, A° AZ', Phase ID, ISC, Time, Res

GUC 15 05:37.2:8.0:2.9, 29:40S:69.78W, h109km, 5km, ML3.3, SJA 15 05:37.2: 1.2, 29:47S:69.61W, h102km, 9km, ML3.7, MW3.9

ISC 15 05:37.2:8.0:1.4, 29:41S:0.0:63.68W, 0.0:4, h116km, 10km, n21, o09:71/41, 7C-2D, Chile-Argentina border region

Table with columns: Code, Station Name, A° AZ', Phase ID, ISC, Time, Res

NEIC 15 05:56:10.8:2.6, 21:30S:0:06:67.69W:0.08, h176km, 11km, mb4.4/11, ML4.2(GUC), Error ellipse: s-maj=11.1km s-min=8.8km az=99.0

SJA 15 05:56:10.8:1.7, 21:24S:67.61W, h150km, 0.0, MW4.0 IDC 15 05:56:10.0:1.1, 21:20S:67.63W, h163km, 15km, mb3.8/5, mbtmp:3.9, Error ellipse: s-maj=24.8km s-min=15.1km az=173.0

GUC 15 05:56:11.7:0.9, 21:26S:67.85W, h190km, 6km, ML4.2 SCB 15 05:56:11.0:1.4, 21:26S:67.72W, h168km, 14km, ML4.3/5, MW4.6, Error ellipse: s-maj=4.4km s-min=2.4km az=0.0

VAO 15 05:56:15.0:0.4, 20:95S:67.28W, h176km, mb4.3 ISC 15 05:56:10.6:0.6, 21:27S:0:03:67.67W:0.03, h177km, 6km, n177, o19:54/229, mb4.1/7, 16C, Chile-Bolivia border region

Table with columns: Code, Station Name, A° AZ', Phase ID, ISC, Time, Res

15d 7h

Table with columns: YODB, SNR, P, S, Mb, 06 23 59.6 -0.2, etc. Includes stations like YODB, KSDAG, EUSB, etc.

NIC 15 06:34:35.7, 35.656N, 29.54E, h18km, M12.6/5
AFAD 15 06:34:44.6, 0.36, 43N, 29.72E, h7km, 20km, M1.2, 1
ISC 15 06:34:33.1, 9.35, 61N, 0.06, 29.42E, 0.07, h8km, 12km,
n17, c056/24, 1C, Eastern Mediterranean Sea

Main table for 15d 7h section with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like KSL, AKAS, IZZE, etc.

KMA 15 06:36:19.4, 0.36, 09N, 129.34E, h14km, Error ellipse:
s-maj=0.7km s-min=0.4km az=268.0
JMA 15 06:36:19.1, 0.4, 36, N, 1, 12, 9E, h14km, MV2.6/4, S
KORANE PENINSULA REG
ISC 15 06:36:19.2, 1.2, 36, 09N, 0.03, 129.36E, 0.05, h13km, 10km,
n17, c046/19, South Korea

Table for 15d 7h section with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like KSPHA, YOCB, etc.

NEIC 15 06:54:33.8, 1.4, 20, 8S, 0.1, 178.33W, 0.09, h576km, 11km,
mb4, 5/20, Error ellipse: s-maj=21.1km s-min=11.7km
az=177.0
IDC 15 06:54:35.8, 1.5, 20, 85S, 178.57W, h595km, 17km,
mb3, 3/15, mbtmp4, 3/17, Error ellipse: s-maj=17.1km
s-min=11.8km az=149.0
ISC 15 06:54:34.0, 0.4, 20, 25S, 0.07, 178.37W, 0.07, h587km,
n78, c1546/81, mb4, 1/25, 4C, Fiji Islands region

Table for 15d 7h section with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like MSVF, NIUE, etc.

2017 NOV

Main table for 2017 NOV section with columns: MARNC, LFIFC, DZM, etc. Includes stations like Mare, Loyalty, LIFOC, etc.

IDC 15 06:58:06.5, 256.0, 57, 22N, 41, 28E, h0km, Error ellipse:
s-maj=99.4km s-min=48.2km az=79.0, Baltic
States-Belarus-Northwestern Russia
Code Station Name Az Phase ID Time Res

Table for 2017 NOV section with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like I43RU, I13KZ, etc.

10+6

Table for 10+6 section with columns: GMJI, GMJI, JAGI, etc. Includes stations like Gumukmas, Jajag, etc.

IDC 15 07:08:57.5, 2.6, 51, 39N, 178.30W, h47km, 23km, mb3.8/18,
mbtmp4, 1/20, M1.3, 9/2, M3.6/17, Error ellipse:
s-maj=23.2km s-min=13.1km az=177.0
AEIC 15 07:08:57.4, 1.2, 51, 29N, 0.07, 178.27W, 0.05, h33km, 6km,
Error ellipse: s-maj=10.6km s-min=4.2km az=182.0
NEIC 15 07:08:58.0, 1.3, 51, 32N, 0.04, 178.26W, 0.05, h40km, 9km,
mb4, 4/99, M1.4, 5.6, M1.4, 4(AEIC), Error ellipse:
s-maj=6.6km s-min=2.2km az=145.0
ISC 15 07:08:57.7, 0.5, 51, 30N, 0.08, 178.26W, 0.03, h45km,
n15, c183/31, mb4, 3/57, M3.6/13, Andronof Islands

Main table for 10+6 section with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like GAKI, TAFE, etc.

L18K	Granite Mounta	16.01	39	P	Pn	07 12 41.9 +2.5
KDAK	Kodiak Island	16.18	56	P	Pn	07 12 38.3 -3.3
KDAD	comp=Z,7.7nm,0.4s,baz=242,slow=2.7,SNR=30			S	Sn	07 15 38.0 -1.9
N19K	Bonanza Creek	16.25	45	Pn	Pn	07 12 43.2 +0.6
N19K	Bonanza Creek	16.25	45	P	Pn	07 12 44.8 +2.2
TTA	Tatalina	16.67	37	P	P	07 12 50.8 +1.1
J18K	Innok River	16.72	35	P	P	07 12 50.9 +0.8
L19K	White Mountain	16.73	40	P	P	07 12 52.1 +1.8
L19K	White Mountain	16.73	40	P	Pn	07 12 50.5 +2.0
M19K	Big River Lodg	16.78	42	P	P	07 12 52.4 +1.5
M19K	Big River Lodg	16.78	42	P	P	07 12 52.7 +1.8
L20K	Farewell, AK	17.27	40	P	P	07 12 57.9 +1.7
H18K	Honhosa River	17.27	29	P	P	07 12 58.0 +1.8
M20K	Styx River	17.30	43	P	P	07 12 59.5 +2.8
CNPM	China Poot	17.31	51	P	Pn	07 12 56.5 +0.7
CNPM	comp=Z,2.3nm,1.0s			Iamb	Iamb	07 13 09.0
N20K	Mount Spurr	17.42	45	P	P	07 12 60.0 +2.0
SPCR	Spurr Chakacha	17.42	45	P	P	07 12 59.4 +1.4
J19K	Poorman	17.43	35	P	P	07 13 00.2 +2.2
K20K	Telida	17.64	38	P	P	07 13 02.1 +1.7
G18K	Tagagawik	17.71	27	P	P	07 13 02.8 +1.7
E17K	Hotham Inlet	17.82	21	P	Pn	07 13 01.0 -1.0
SKT	Skwentna	18.03	43	P	Pn	07 13 05.3 +0.7
SKT	Skwentna	18.03	43	P	Pn	07 13 05.4 +0.9
PPLA	Purkeypille	18.15	40	P	Pn	07 13 08.0 +1.7
O22K	Cooper Landing	18.31	49	P	P	07 13 09.1 +1.4
CAST	Castle Rocks	18.44	39	P	P	07 13 10.1 +0.9
CAST	Castle Rocks	18.44	39	P	Pn	07 13 11.2 +1.5
H20K	Anotleneega Mo	18.59	31	P	P	07 13 11.9 +1.1
KTH	Kantishna Hill	18.97	39	P	P	07 13 15.7 +0.7
KTH	comp=Z,1.5nm,0.8s			Iamb	Iamb	07 13 34.1
KNK	Knik Glacier	19.19	47	P	P	07 13 17.8 +0.5
BPAW	Bear Paw Mtn.	19.20	38	P	P	07 13 19.3 +1.8
E19K	Redstone River	19.24	25	P	Pn	07 13 20.1 +1.0
MA2	Magadan	19.27	307	LR	LR	07 20 24.0
P23K	Montague Islan	19.30	51	P	P	07 13 19.5 +0.9
F20K	Avarant Lake	19.36	27	P	Pn	07 13 21.9 +1.4
SML	Sawmill	19.37	46	P	P	07 13 20.8 +1.4
H21K	Melozitna Rive	19.38	32	P	Pn	07 13 21.7 +0.8
I21K	Tanana	19.39	34	P	P	07 13 21.3 +1.8
SEY	Seymchan	19.53	318	P	P	07 13 20.3 -0.7
SEY	comp=Z,0.4nm,0.3s,baz=106,slow=12,SNR=7.0			LR	LR	07 20 26.2
M23K	Glacier View	19.64	46	P	P	07 13 24.0 +1.7
WAT1	Susitna Watana	19.64	43	P	P	07 13 23.0 +0.7
G21K	Allakaket	19.68	30	P	P	07 13 23.5 +0.9
G21K	Allakaket	19.68	30	P	P	07 13 23.8 +1.2
Q23K	Middleton Isia	19.71	53	P	P	07 13 22.7 -0.3
RND	Reindeer	19.74	41	P	P	07 13 23.1 -0.3
D19K	Kuna River	19.80	22	P	P	07 13 25.2 +1.2
SCM	Sheep Creek Mo	19.83	46	P	P	07 13 25.6 +1.1
MCK	McKinley	19.84	40	P	P	07 13 26.7 +2.2
WAT6	Susitna Watana	19.89	44	P	P	07 13 25.6 +0.4
F21K	Alatina River	20.13	28	P	P	07 13 29.6 +2.0
DHY	Denali Highway	20.23	43	P	P	07 13 28.1 -0.7
DHY	comp=Z,8.1nm,0.6s			Iamb	Iamb	07 13 33.3
DHY	Denali Highway	20.23	43	P	P	07 13 29.2 +0.4
EYAK	Cordova Ski Ar	20.23	50	P	P	07 13 29.5 +0.9
I23K	Minto, Yukon-K	20.33	36	P	P	07 13 30.5 +0.9
I23K	Minto, Yukon-K	20.33	36	P	P	07 13 30.5 +0.7
D20K	Etiulik River	20.33	23	P	P	07 13 31.4 +1.7
M24K	Tolsona, Glenn	20.43	46	P	P	07 13 31.9 +0.9
G22K	Bettles	20.55	30	P	P	07 13 33.8 +1.7
H23K	Yukon River	20.60	34	P	P	07 13 34.0 +1.3
MDM	Murphy Dome	20.66	37	P	P	07 13 33.4 +0.1
F22K	John River	20.70	29	P	P	07 13 34.6 +0.8
G23K	Bananza Creek	20.91	32	P	P	07 13 37.8 +1.8
HDA	Harding Lake	20.92	39	P	P	07 13 37.0 +0.9
HARP	HAARP	20.97	45	P	P	07 13 37.5 +0.8
PAX	Paxson	21.01	44	P	P	07 13 38.5 +1.4
N25K	Chitina, Valde	21.02	48	P	P	07 13 37.7 +0.4
POKR	Poker Plat Res	21.03	37	P	P	07 13 38.1 +0.7
IL31	Eielson Array	21.09	38	P	P	07 13 38.5 +0.6
ILAR	comp=Z,0.6nm,0.6s,baz=239,slow=9.6,SNR=7.3			PcP	PcP	07 13 37.8 -0.2
ILAR	comp=Z,0.2nm,0.4s,baz=292,slow=3.5,SNR=4.1			PcP	PcP	07 17 41.9 -0.6
C21K	Kniefblade Riv	21.11	23	P	P	07 13 39.7 +1.7
COLD	Coldfoot	21.15	31	P	P	07 13 38.9 +0.4
K24K	Donnelly Dome	21.16	41	P	P	07 13 38.7 -0.1
H22K	Noodor Dome	21.20	35	P	P	07 13 39.2 0.0
E24K	Anaktuvok Pass	21.21	27	P	P	07 13 40.9 +1.7
D22K	Aiyikyak River	21.46	25	P	P	07 13 42.5 +0.7
B21K	Ikpikpuq River	21.48	23	P	P	07 13 42.7 +0.7
J25K	Salcha River,	21.63	39	P	P	07 13 45.1 +1.4
MCARA	McCarthy VSAT	21.70	49	P	P	07 13 45.2 +0.7
G24K	Hadwezenic Riv	21.77	33	P	P	07 13 47.9 +2.7
E23K	Chandalar	21.82	29	P	P	07 13 47.9 +2.1
PRP	Porcupine Dome	21.93	37	P	P	07 13 48.2 +1.2
M26K	Nabesna, AK	21.95	46	P	P	07 13 48.2 +1.1
L26K	Log Cabin Wild	21.95	44	Iamb	Iamb	07 13 45.8
L26K	Log Cabin Wild	21.95	44	P	P	07 13 47.9 +0.7
SCRK	Sand Creek	21.97	42	P	P	07 13 46.7 -0.8
SCRK	Sand Creek	21.97	42	P	P	07 13 48.4 +0.9

MESA	MESA	22.02	52	P	P	07 13 48.8 +0.7
F24K	Squaw Lake	22.05	31	Iamb	Iamb	07 14 07.9
F24K	Squaw Lake	22.05	31	P	P	07 13 49.4 +1.1
D23K	Nanushuk River	22.06	26	P	P	07 13 49.7 +1.4
E24K	Your Creek	22.17	30	P	P	07 13 50.9 +1.3
TOLK	Toolik Lake Re	22.18	28	P	P	07 13 51.2 +1.6
G25K	Bearman Lake	22.28	34	P	P	07 13 51.3 +0.7
J26L	Joseph Creek	22.32	40	P	P	07 13 51.2 +0.1
M27K	Edge Creek, AK	22.44	46	P	P	07 13 52.4 -0.2
L27K	Beaver Creek,	22.63	45	P	P	07 13 54.6 +0.1
C23K	Itkillik River	22.64	25	P	P	07 13 55.0 +0.5
D24K	Happy Valley	22.70	27	P	P	07 13 56.6 +1.5
I26K	Coal Creek Min	22.76	39	P	P	07 13 56.7 +0.9
K27K	Chicken	22.78	42	P	P	07 13 57.1 +1.1
F25K	Christian River	22.83	32	P	P	07 13 57.4 +0.8
BVCY	Beaver Creek	22.92	47	P	P	07 13 57.4 0.0
YUK3	Moose Creek	22.98	48	P	P	07 13 58.1 -0.2
C24K	Franklin Bluff	23.08	26	P	P	07 14 00.1 +1.1
E25K	Arctic Village	23.12	31	P	P	07 14 00.1 +0.7
G26K	Porcupine Rive	23.18	34	P	P	07 14 00.8 +0.8
YUK8	Stein Glacier	23.24	50	P	P	07 14 00.3 -0.6
EGAK	Eagle	23.39	41	P	P	07 14 02.4 +0.4
F26K	Sheenjek River	23.39	33	P	P	07 14 03.0 +0.9
I27K	Kandik River	23.47	39	P	P	07 14 01.5 -1.4
D25K	Kavik River	23.51	28	P	P	07 14 01.7 -1.6
O29M	Mount Kennedy	23.71	52	P	P	07 14 04.4 -0.9
G27K	Doyon Strip	23.89	36	P	P	07 14 06.2 -0.6
I28M	Miner Creek	24.08	39	P	P	07 14 07.7 -0.9
I28M	comp=Z,7.7nm,0.9s			Iamb	Iamb	07 14 29.3
I28M	Miner Creek	24.08	39	P	P	07 14 08.2 -0.4
P29M	Willy Craggy	24.09	54	P	P	07 14 07.3 -1.4
C26K	Camden Bay	24.27	28	P	P	07 14 11.6 +1.5
L29M	comp=Z,2.9nm,0.6s			P	P	07 14 10.3 -0.2
E27K	Coleen River	24.47	33	P	P	07 14 13.5 +1.5
P30M	Million Dollar	24.50	53	P	P	07 14 12.1 -0.4
K29M	Barlow Dome	24.59	44	P	P	07 14 14.4 +0.2
I29M	Oglivie Camp,	24.71	40	P	P	07 14 15.4 +1.1
M30M	Minto, Yukon	24.80	47	P	P	07 14 15.9 +0.8
F28M	Old Crow	24.84	34	P	P	07 14 16.8 +1.4
E28M	Babbage River	25.32	32	P	P	07 14 21.7 +1.8
SIT	Sitka	25.44	60	P	P	07 14 23.0 +2.2
I30M	Mot Dempster	25.46	41	P	P	07 14 20.8 -0.4
EPYK	Eagle Plains	25.61	38	P	P	07 14 23.4 +1.0
B29M	Blow River	25.81	33	P	P	07 14 24.9 +0.7
BBB	Bella Bella	30.57	68	LR	LR	07 25 50.4
A36M	Sachs Harbour	30.99	29	P	P	07 15 11.7 +1.4
KLR	Kul'dur	31.53	286	LR	LR	07 27 07.1
H11N2	WAKE ISLAND Hy	33.61	206	T	T	07 52 26.5
H11N3	WAKE ISLAND Hy	33.62	206	T	T	07 52 17.2
H11N1	WAKE ISLAND Hy	33.62	206	T	T	07 52 26.8
USRK	Ussuruk Ark	33.64	278	P	P	07 15 31.9 -1.8
H11S1	WAKE ISLAND Hy	34.82	206	T	T	07 53 19.1
H11S2	WAKE ISLAND Hy	34.84	206	T	T	07 52 54.6
H11S3	WAKE ISLAND Hy	34.84	206	T	T	07 52 52.3
YB3	Yreka Blue Hor	35.86	82	LR	LR	07 31 45.3 +1.7
NEW	Newport	38.59	70	P	P	07 16 16.5 +0.4
NEW	comp=Z,6.7nm,0.8s			Iamb	Iamb	07 16 27.8
NEW	Newport	38.59	70	P	P	07 16 15.3 -0.8
NEW	Newport	38.59	70	LR	LR	07 30 44.6
KSR5	Korea Array	39.98	271	P	P	07 16 26.9 -0.7
KSR5	comp=Z,2.6nm,0.6s,baz=45,slow=8.6,SNR=5.7			LR	LR	07 30 52.2
WVOR	Wild Horse Val	40.69	78	Iamb	Iamb	07 16 35.6
MSO	Missoula	41.17	70	P	P	07 16 37.7 +0.1
MSO	comp=Z,6.0nm,0.9s			Iamb	Iamb	07 16 53.4
MSO	Missoula	41.17	70	P	P	07 16 36.3 -1.3
PAHR	Pah Rah Range	41.79	82	P	P	07 16 43.8 +0.9
PAHR	comp=Z,6.0nm,0.9s			Iamb	Iamb	07 16 44.6
PNTR	Pine Nut	42.02	83	P	P	07 16 46.0 +1.3
YERR	Yerington	42.31	83	P	P	07 16 47.3 +0

15d 7h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WHTX Lake Whitney, MKAR Makanchi Array, BVAR Borovoye Array, etc.

JMA 15 07:10:59.0±0.5, 36°N±2.5, 129°E±1.1, h16km, MV3.1/5, S KOREAN PENINSULA REG

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MIYA Miryang-si, KSGUM GUMI, CHYB Chungyang, etc.

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Table with columns: JTY, Toyota, 2.33 143 eP, Pn, 07 11 38.8 +0.1. Includes stations like ANMD Anmado, KSDEL Deokjeokdo, etc.

IDC 15 07:11:18.3±1.0, 34°59'N±45'67"E, h0km, mb4.1/14, mbtmp4.1/19, ML3.5/5, MS2.8/2, Error ellipse: s-maj=23.0km s-min=15.6km az=158.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDHR Dehrash, IGHG Galeghazi, ILBA Ilam Banvizeh, etc.

JMA 15 07:10:59.0±0.5, 36°N±2.5, 129°E±1.1, h16km, MV3.1/5, S KOREAN PENINSULA REG

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IRAM Ramesheh, ASF Jabal al Asfar, MMAI Muht Meron Ar, etc.

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Table with columns: DMTO DMTO, 18.50 152 P, P, 07 15 33.3 -1.6. Includes stations like SHAO Shaolin, SHAO Muntele Rosu, AKASG Malin Array Be, etc.

IDC 15 07:16:08.4±6.5, 37°S±129°69'E, h310km, 51km, mb2.9/1, mbtmp3.9/3, Error ellipse: s-maj=102.7km s-min=17.1km az=72.0, Banda SEA

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

JMA 15 07:16:16.1±0.5, 36°N±2.5, 129°E±1.1, h10km, MV2.9/7, S KOREAN PENINSULA REG

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JTY Tsushima, JTM Tsushima, JHGM Hagimishima, etc.

IDC 15 07:18:53.4±1.4, 49°71'N±81°77'E, h0km, mbtmp2.5/1, ML1.9/1, Error ellipse: s-maj=18.3km s-min=9.5km az=65.0

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like ZALV, H46RU, BLB, BVAR.

NOU 15 07:37:55.3, 40.92S: 176:53E, h0km, MLv4.4/16, North Island, New Zealand

ICD 15 07:37:55.7, 1.4, 0.7, 77S: 176:36E, h0km, mb4.0/3, mbmp=4.0, ML3.8/2, MS2.4/1, Error ellipse: s-maj=35.9km

NEIC 15 07:37:59.9, 1.0, 40.98S: 074:176:7E:0.1, h33km, 9km, mb4.3/7, Error ellipse: s-maj=15.1km s-min=7.4km

WEL 15 07:37:59.3, 41.3S: 177:06E, h15km, 7km, ML4.3/13, ML4.8/13, MLv4.3/13, North Island, Error ellipse: s-maj=0.0km

WEL 15 07:37:59.3, 40.77S: 176:38E, h12km, ML4.3, Mw4.1, Moment Tensor Solution, s5 Moment tensor

Mn:168.16; Mo:54.59; Mw:113.57; Me:13.01; Ms:78.55; Mv:23.90; Fault plane solution: NP1:223.00000, 343.00000, 1.102, 0.0000, NP2:27.00000, 348.00000, 1.72, 0.0000

Principal axes: T=169.4500, P=82.0000, N=73.0000, Azm:232.0000, P:3.0000, Plg:8.0000, Azm:34.0000, P:1.72, 0.0000, Plg:3.0000, Azm:125.0000, NORTH ISLAND

ISC 15 07:37:56.4, 1.5, 40.85S: 073:176:46E:0.04, h14km, 10km, n204, r1901/212, mb4.2/5, North Island

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like CPWZ, BFZ, ANWZ, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like TARZ, TLZ, TKGZ, URZ, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like URZ, HIZ, HAU, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like URZ, HIZ, HAU, etc.

ICD 15 07:38:04.0, 0.7, 1.27S: 149:73E, h0km, mb4.2/13, mbmp=4.2/13, ML3.0/2, MS3.1/4, Error ellipse: s-maj=25.1km s-min=15.1km az=73.0

NEIC 15 07:38:10.2, 1.8, 1.35S: 0.08, 149:72E:0.07, h36km, 4km, mb4.5/24, Error ellipse: s-maj=11.9km s-min=9.6km

ISC 15 07:38:09.5, 0.5, 1.32S: 0.08, 149:71E:0.07, h37km, n60, r1500/52, mb4.4/25, New Ireland region

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like MANU, RABL, KRVT, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like WB2, WRA, WRA, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like KNRA, DAV, H11S, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like H11S, H11S, H11S, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like H11S, H11S, H11S, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like H11S, H11S, H11S, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like H11S, H11S, H11S, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like H11S, H11S, H11S, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like H11S, H11S, H11S, etc.

WEL 15 07:42:57.4, 1.2, 41.1S: 177:16E, h9km, 10km, ML1.5/4, ML1.8/5, MLv1.5/4, Error ellipse: s-maj=0.0km

s-min=0.0km az=138.5, confirmed, North Island

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like BFZ, CPWZ, ANWZ, etc.

KURBB Kurchatov Arra 63.83 328 P P 0.2nm,0.4s,baz=129,slow=6.9,SNR=2.1

IDC 15 08:19:09.3.0.5414N.86.94E,h0km,mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=24.0km s-min=17.5km az=58.0,3.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes rows for H46RU, ZALV, KURBB, MKAR, etc.

NOU 15 08:19:45.5,2180S,169.65E,h0km,MLV3.9/8, Southeast of Loyalty Islands, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes rows for MARNC, PINNC, LIFNC, etc.

IDC 15 08:20:58.9.1.4, 6.17S, 129.89E, h0km, mb3.8/5, mbtmp3.8/7, ML3.8/2, MS3.2/2, Error ellipse: s-maj=126.0km s-min=21.6km az=69.0

DJA 15 08:21:03.5.0.2, 6.52S, 133.00E, h103km, 10km, M4.1/7, mb4.2/6, mb5.2/1, ML4.0/7, MW(mb)4.5/1

ISC 15 08:20:59.5.0.6, 6.24S, 129.05E, h10km, n27, a1562/30, mb3.9/5, Banda Sea

Main table for 1053 with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes rows for BNDI, SAUI, NLAJ, etc.

BUI 15 08:23:16.0.0.0, 21.90S, 168.90E, h5km, mb5.0/26, mB5.6/15, Ms5.6/3, Ms7.5/6

NOU 15 08:23:16.1, 21.83S, 169.12E, h0km, MLV5.0/11, Southeast of Loyalty Islands

IDC 15 08:23:17.0.0.5, 21.94S, 168.93E, h0km, mb4.5/18, mbtmp4.5/21, ML4.2/3, MS3.9/11, Error ellipse: s-maj=15.9km s-min=15.4km az=165.0

NEIC 15 08:23:19.9.1.6, 21.90S, 168.85E, h0km, 1km, mb5.1/58, MW4.8/10, Error ellipse: s-maj=10.3km s-min=7.8km az=34.0

BGR 15 08:23:19.2, 22.27S, 170.80E, h25km, Ms5.0

NEIC 15 08:23:20.5, 21.61S, 169.02E, h18km, Moment Tensor Solution. Duration: 192 Moment tensor: Scale 10^16Nm; Mn-1.70; Mw-1.19; Mw0.52; Mw1.33; Mw0.17; Mw-1.01; Fault plane solution: M2.2100x10^16 NP1; e=300.87000; b=93.53000; a=33.00000; NP2; e=101.52000; b=21.58000; a=108.08000; Principal axes: T 1.9262, Pg2.24000; Azm25.0000; N 0.5589, Plg7.0000; Azm118.0000; P -2.4851, Plg65.0000; Azm223.0000

NEIC 15 08:23:20.5, 21.91S, 168.81E, h10km, ISC 15 08:23:22.3.0.4, 21.82S, 169.00E, h31km, n198, a1517/179, mb5.0/61, MS3.9/10, 2C-11D, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes rows for MARNC, PINNC, LIFNC, etc.

Main table for 2017 NOV with columns: ONTNC, ONTNC, NOUC, etc. Includes rows for Ouen Toro, Port Laguerre, Devils Point, etc.

Main table for 15d 8h with columns: HHC, TNCH, ELIB, etc. Includes rows for TengChong, Princess Elisa, TROLL, etc.

15d 8h

NRDL		baz=38,slow=2.8	epPKPbc	pPKPab	08 43 04.1	-1.8
GOPC	GO Pecny, Ondr	145.29 330	ePKP	PKPdf	08 42 57.2	+0.4
PRU	Pruhonice	145.35 331	ePKP	PKPab	08 42 57.1	+0.1
HISK	Hora Svate Kat	145.40 332	ePKP	PKPab	08 42 57.5	+0.3
NEUB	Neurenburg	145.69 334	ePKPbc	PKPab	08 42 58.0	0.0
NEUB		baz=38,slow=2.8				
CLZ	Clausthal	145.70 336	epPKPbc	pPKPdf	08 43 05.4	-1.7
ZVC	Zvikov	145.90 330	ePKP	PKPab	08 42 59.1	+0.1
ZVC		baz=38,slow=2.8				
TANN	Tannenbergstha	145.96 333	ePKPbc	PKPbc	08 43 05.3	
EKA	Eskdalemuir Ar	146.00 352	PKPbc	PKPdf	08 42 57.4	-0.5
WERD	Werda	146.00 333	ePKPbc	PKPbc	08 42 59.1	+0.2
RONA	Rosalia, Austr	146.04 326	iPKP	PKPab	08 42 59.7	0.0
GUNZ	Gunzen	146.06 333	ePKPbc	PKPab	08 42 59.6	0.0
GTGG	Gottingen	146.09 336	ePKPbc	PKPbc	08 42 59.1	+0.1
GTGG		baz=38,slow=2.8				
WERN	Wernitzgruen	146.09 333	epPKPbc	pPKPdf	08 43 06.5	-1.3
CONA	Conrad Observa	146.12 327	ePKP	PKPab	08 43 00.0	0.0
MOX	Moxa	146.14 334	ePKPbc	PKPbc	08 42 59.3	+0.1
MOX		baz=38,slow=2.8				
CKRC	Cesky Krumlov	146.28 329	ePKP	PKPbc	08 43 00.1	+0.4
KKRC		baz=38,slow=2.8				
KHC	Kasperske Hory	146.41 330	ePKP	PKPbc	08 43 00.3	+0.2
KHC		baz=38,slow=2.8				
MANZ	Manzenberg	146.43 333	ePKPbc	pPKPdf	08 43 07.6	-0.9
MANZ		baz=38,slow=2.8				
GECC	GERESS Array S	146.55 330	ePKPbc	PKPab	08 43 01.4	-0.2
GERES	GERESS Array B	146.55 330	PKPbc	PKPbc	08 43 01.0	+0.3
ROTZ	Rotzenmuhle	146.56 332	ePKPbc	PKPbc	08 43 00.7	+0.2
WET	Wetzell	146.72 331	ePKPbc	PKPbc	08 43 01.4	+0.4
KASTN	Kahler Asten	146.93 337	ePKPbc	PKPbc	08 43 01.1	-0.4
MOA	Molin	146.97 328	iPKP	PKPbc	08 43 01.8	+0.1
GRF	Grafenberg Arr	147.03 333	eL	L	09 46 08.7	
BUG	Bochum-Univer	147.13 339	ePKPbc	PKPbc	08 43 02.0	0.0
SOKA	Soboth	147.36 326	ePKP	PKPbc	08 43 03.0	+0.1
RJOB	Jochberg	147.76 329	ePKPbc	PKPbc	08 43 04.0	0.0
KBA	Koelnbreinsper	147.95 328	ePKP	PKPdf	08 43 03.2	+1.5
LESA	Schwarzleotla	148.04 329	iPKP	PKPbc	08 43 04.4	-0.4
FUR	Furstenfeldbru	148.16 331	ePKPbc	PKPbc	08 43 05.3	+0.3
STU	Stuttgar	148.59 334	ePKPbc	PKPbc	08 43 06.6	+0.5
ABTA	Abfaltersbach	148.59 328	ePKP	PKPbc	08 43 05.8	-0.4
WTTA	Wattenberg	148.65 330	epPKP	PKPbc	08 43 05.9	-0.6
MOTA	Moosalm	148.84 330	ePKP	PKPbc	08 43 06.5	-0.4
SQTA	Sanct Quirin	148.88 330	iPKP	PKPbc	08 43 07.0	0.0
BMRD	Maredsous	149.30 340	dPKP	PKPab	08 43 13.0	+2.1
WLF	Walferdange	149.42 338	dPKP	PKPab	08 43 14.7	+3.4
UBU	Ueberruh	149.04 332	ePKPbc	PKPbc	08 43 07.7	+0.4
DOU	Dourbes	149.16 340	dPKP	PKPab	08 43 15.3	+3.5
FETA	Feichten	149.25 330	iPKP	PKPbc	08 43 08.0	0.0
BFO	Black Forest	149.29 334	ePKPbc	PKPbc	08 43 08.2	+0.3
DVA	Damuels	149.44 331	ePKP	PKPbc	08 43 08.1	-0.4
TORD	Torodi Ar. Bea	165.02 237	PKP	PKPdf	08 43 23.7	-0.5
TORD		comp=2.0,8nm,0.8s,ba=186,slow=1.2,SNR=3.9				
TORD		comp=2.0,6nm,0.8s,ba=123,slow=3.1,SNR=2.3				

CRAAG 15 08:26:46.8,36:28N;-1:74E,MI2.7,Algerie 05km NE
 El-Abadia
 MDD 15 08:26:46.6±1.4,36:14N;-1:91E,h28km±7km,Mb4.1/11,
 M₁-mb3.4/12,Error ellipse: s-maj=16.5km s-min=7.9km
 g=2±1.3/0

ISC 15 08:26:46.2±1.2,36:29N;0:05±1.77E;0:04,h24km±10km,
 n24,ci131/32,10C,Northern Algeria

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	Time	Res
						h m s	ISC
EARB	Arib	0.19 85	P	Pb	08 26 52.3	+0.6	
EBNR	Beni Rached	0.20 271	P	Pb	08 26 50.8	-1.0	
EOPD	Oued Fodda	0.27 209	P	Pb	08 26 53.2	+0.4	
EHRZ	Djelida	0.29 108	P	Pb	08 26 54.4	-0.6	
EBNH	Beni Haoua	0.29 324	P	Pn	08 26 51.8	-1.3	
EADR	Deurdeur	0.46 128	P	Pn	08 26 57.9	+0.6	
CART	Cartagena	0.52 301	S	Pn	08 27 57.1	+0.2	
CAFT			P	Pn	08 27 26.9	+0.5	
ETRV	Los Montesinos	2.66 311	P	Pn	08 27 29.0	+1.4	
EIBI	Ibiza	2.76 353	P	Pn	08 27 30.5	+1.6	
EIBI		271nm,SNR=0.8	fl/Vmb_V		08 27 40.1		
EIBI			S	Sn	08 27 59.2	-2.3	
EIBI	Ibiza	2.76 353	S	Sn	08 27 59.6	-1.9	
EIBI			Pn	Pn	08 27 30.2	+1.3	
EBEN2	Beniarda presa	2.85 327	P	Pn	08 27 31.6	+1.4	
EBEN2			fl/Vmb_V		08 27 32.8		
EMUR	La Murta	2.87 304	P	Pn	08 27 31.7	+1.2	
EMUR		360nm,SNR=1.1	fl/Vmb_V		08 27 39.6		
EMUR	La Murta	2.87 304	Pn	Pn	08 27 31.5	+1.1	
EZAR	Zaradilla de	3.19 301	P	Pn	08 27 35.7	+0.6	
EZAR		171nm,SNR=1.4	fl/Vmb_V		08 27 44.9		
ETOB	Tobarra	3.54 313	P	Pn	08 27 41.0	+1.3	
ETOB		144nm,SNR=1.0	fl/Vmb_V		08 27 41.3		
ETOB	Tobarra	3.54 313	S	Sn	08 28 22.8	+2.0	
ETOB			Sn	Sn	08 28 19.0	-1.8	
ETOB			Pn	Pn	08 27 40.5	+0.8	
ETOB	Mallorca	3.57 13	fl/Vmb_V		08 27 46.7		
ETOS	Mallorca	3.57 13	S	Sn	08 28 21.6	0.0	
ETOS		811nm,SNR=1.4	Sn	Sn	08 28 20.5	-1.1	
EVIV	Cofrentes, Val	3.75 323	P	Pn	08 27 44.1	+1.4	
EVIV		221nm,SNR=1.9	fl/Vmb_V		08 27 48.0		
EVIV	Berja	3.80 281	S	Sn	08 28 26.4	+0.2	
EBER	Berja	3.80 281	P	Pn	08 27 44.1	+0.6	
EBER		205nm,SNR=1.5	fl/Vmb_V		08 27 52.7		
EBER	Berja	3.80 281	S	Sn	08 28 26.2	-1.3	
EBER			Pn	Pn	08 27 43.5	+0.1	
ELGU	Los Guajares,	4.38 279	P	Pn	08 27 52.4	+1.0	
ELGU		102nm,SNR=1.2	fl/Vmb_V		08 27 53.3		
ELGU	Los Guajares,	4.38 279	Pn	Pn	08 27 51.9	+0.5	
EMOS	Mosqueruela	4.44 337	fl/Vmb_V		08 27 54.3	+2.1	
EMOS		151nm,SNR=1.1	fl/Vmb_V		08 27 59.6		
EMOS			S	Sn	08 28 41.3	-1.9	

TAP 15 08:28:07.4,24:17N;-121:57E,h20km,ML2.1,B,Taiwan

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	Time	Res
						h m s	ISC
NACB	Ninganchiao	0.02 88	iP	Pb	08 28 11.0	+0.1	
NACB		baz=88					
NACB		baz=88	iS	Sb	08 28 13.5	+0.2	
ETL	Fush Village	0.05 107	eP	Pb	08 28 11.2	+0.1	

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Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	Time	Res
						h m s	ISC
ETLH	Xiulin Townshi	0.09 292	iP	Pb	08 28 11.7	+0.2	
ETLH		baz=292					
TWD	Chiawan	0.10 167	eP	Pb	08 28 11.7	+0.3	
TWD		baz=161					
LXIB	Xiulin Townshi	0.21 224	iP	Pb	08 28 13.0	+0.1	
LXIB		baz=217					
ETM	Tingmen	0.22 199	eP	Pb	08 28 16.8	+0.2	
ETM		baz=193					
WHF	Hehuan Shan	0.28 264	eP	Pb	08 28 14.4	+0.2	
WHF		baz=264					
ENA	Nanau	0.30 31	eS	Pb	08 28 14.0	-0.1	
ENA		baz=38					
NNSB	Datong	0.31 326	iP	Pb	08 28 14.5	+0.2	
NNSB		baz=326					
NNS	Nan Shan	0.32 326	P	Pb	08 28 14.8	+0.2	
NNS		baz=327					
EWUT	Wuta	0.33 35	P	Pb	08 28 14.6	0.0	
EWUT		baz=35					
LATG	Datong	0.36 353	P	Pb	08 28 15.3	0.0	
LATG		baz=354					
TWT	Tachien	0.37 283	eS	Pb	08 28 21.2	+0.4	
TWT		baz=283					
ESL	Shilin	0.38 200	P	Pb	08 28 15.4	0.0	
ESL		baz=205					
CHGB	Haha-jima-NKT2	0.38 253	P	Pb	08 28 20.1	+0.5	
CHGB		baz=245					
TDCB	Techi	0.39 282	eP	Pb	08 28 16.2	+0.5	
TDCB		baz=282					
OWD	Renai	0.42 239	P	Pb	08 28 16.7	+0.4	
OWD		baz=238					
NDT	Datong Townshi	0.43 353	eP	Pb	08 28 16.4	0.0	
NDT		baz=353					
WUSB	Renai	0.45 247	eP	Pb	08 28 17.3	+0.5	
WUSB		baz=240					
ENTT	Noudou	0.47 359	eP	Pb	08 28 17.2	+0.3	
ENTT		baz=1.0					
WARB	Fengli Townsh	0.48 201	eP	Pb	08 28 16.6	-0.6	
WARB		baz=200					
TWC	Suao	0.50 30	eP	Pb	08 28 17.6	0.0	
TWC		baz=26					
EGFH	Guangfu	0.52 195	eP	Pb	08 28 18.1	+0.2	
EGFH		baz=194					
YHNB	Yeheng	0.53 340	eP	Pb	08 28 18.1	0.0	
YHNB		baz=340					
NSK	Sanguang	0.54 339	eP	Pb	08 28 24.9	-0.4	
NSK		baz=340					
TWE	Niecheng	0.55 9	eP	Pb	08 28 18.7	+0.2	
TWE		baz=16					
WVDT	WVDT	0.57 223	eP	Pb	08 28 19.2	+0.4	
WVDT		baz=228					
WHP	Taichung City	0.58 280	eP	Pb	08 28 19.3	+0.3	
WHP		baz=280					

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YSS	comp=N,3um,9.1s	21.55	2	eP	P	08 53 12.4	+4.1
YSS	Yuzh-Sakhalins			eS	P	08 57 08.4	+1.3
YSS	comp=Z,1um,5.1s			pmax	pmax		
YSS	comp=Z,2um,16.0s			MLR	MLR		
SNY	Shenyang	22.12	322	↑P	P	08 53 13.8	-0.6
SNY	comp=Z,23nm,2.1s			S	P	08 57 19.6	+1.5
SNY	comp=Z,2um,5.9s			pmax	pmax		
SNY	comp=Z,2um,11.6s			LR	LR		
SNY	comp=Z,3um,9.4s			LR	LR		
SNY	comp=Z,3um,9.8s			LR	LR		
SGY	Tagaytay City	22.36	244	↑P	P	09 00 46.2	
SN2	Changchun	22.57	329	eP	P	08 53 20.6	+1.3
SN2	comp=Z,10.0nm,0.5s			pp	Pn	08 53 49.1	+6.4
SN2	comp=Z,2um,7.0s			pmax	pmax		
SN2	comp=Z,3um,11.0s			LR	LR		
SN2	comp=Z,3um,11.0s			LR	LR		
SN2	comp=Z,3um,10.0s			LR	LR		
TIA	Tai'an	23.51	303	↑P	P	08 53 29.9	+0.8
TIA	comp=Z,120nm,2.5s			S	P	08 57 48.0	+5.0
TIA	comp=Z,3um,6.1s			pmax	pmax		
TIA	comp=Z,2um,9.0s			LR	LR		
TIA	comp=Z,2um,10.0s			LR	LR		
DAV	Davao City (W)	23.74	223	eP	P	08 53 30.0	-1.4
DAV	Davao City (W)	23.74	223	LR	LR	09 01 01.8	
H11N1	WAKE ISLAND Hy 24.08	98	T	T	T	09 18 48.7	
H11N2	WAKE ISLAND Hy 24.08	98	T	T	T	09 18 48.8	
H11N3	WAKE ISLAND Hy 24.10	98	T	T	T	09 18 49.8	
H11S3	WAKE ISLAND Hy 24.31	101	T	T	T	09 19 04.2	
H11S1	WAKE ISLAND Hy 24.31	101	T	T	T	09 19 06.1	
H11S2	WAKE ISLAND Hy 24.32	101	T	T	T	09 19 05.2	
WHN	Wuhan	24.51	288	↑P	P	08 53 39.5	+0.9
WHN	comp=Z,3um,2.7s			pp	P	08 53 43.0	-1.1
WHN	comp=Z,7um,4.5s			pmax	pmax		
WHN	comp=Z,4um,7.0s			LR	LR		
WHN	comp=Z,7um,9.4s			LR	LR		
WHN	comp=Z,8um,8.5s			LR	LR		
KLR	Kul'dur	25.00	345	iP	P	08 53 40.8	-1.9
KLR	comp=Z,67nm,3.5s			pmax	pmax		
GRNR	Gornyy	25.65	353	eP	P	08 53 53.8	+5.2
GRNR	Baijiatuu	25.73	311	P	I	08 53 47.8	-1.7
BJT	Baijiatuu	25.73	311	P	I	08 54 09.9	
BJT	Beijing	25.74	311	P	P	08 53 47.8	-1.7
BJI	comp=Z,122nm,2.0s			pmax	pmax		
BJI	comp=Z,27nm,2.7s			pmax	pmax		
BJI	comp=Z,1um,6.3s			LR	LR		
BJI	comp=Z,900nm,10.2s			LR	LR		
BJI	comp=Z,780nm,8.6s			LR	LR		
HNS	HongShan	25.74	304	↑P	P	08 53 48.8	-0.8
HNS	comp=Z,49nm,2.5s			S	P	08 58 18.1	-0.5
HNS	comp=Z,2um,7.0s			pmax	pmax		
HNS	comp=Z,2um,15.1s			LR	LR		
HNS	comp=Z,2um,13.5s			LR	LR		
HNS	comp=Z,2um,15.7s			LR	LR		
LYN	LuoYang	26.70	297	↑P	P	08 53 58.8	+0.5
LYN	comp=Z,2um,5.6s			pp	P	08 54 02.9	-1.0
LYN	comp=Z,3um,9.5s			sp	P	08 54 06.6	+5.0
LYN	comp=Z,2um,12.5s			S	S	08 59 33.0	-0.8
LYN	comp=Z,4um,12.7s			SS	Sn	08 59 39.3	+2.4
HEH	HeiHe	27.12	340	↑P	P	08 54 01.8	-0.1
HEH	comp=Z,12nm,1.2s			S	S	08 58 44.0	+3.9
HEH	comp=Z,1um,5.9s			ss	S	08 58 50.8	+7.0
HEH	comp=Z,2um,15.1s			pmax	pmax		
HEH	comp=Z,4um,14.1s			LR	LR		
HEH	comp=Z,3um,13.1s			LR	LR		
XLT	XiLinHaoTe	27.74	318	eP	P	08 54 11.5	+3.8
XLT	comp=Z,1um,6.4s			S	S	08 58 50.4	+0.2
XLT	comp=Z,180nm,11.5s			ss	pmax	08 58 56.8	+2.9
XLT	comp=Z,2um,9.4s			LR	LR		
XLT	comp=Z,2um,10.1s			LR	LR		
HHC	Hu-ho-hao-te	29.27	309	↑P	P	08 54 20.0	-1.4
HHC	comp=Z,2um,5.9s			pp	P	08 54 25.0	+0.3
HHC	comp=Z,3um,10.0s			S	S	08 59 13.9	-0.6
HHC	comp=Z,3um,16.7s			ss	S	08 59 20.8	+1.9
HHC	comp=Z,23nm,0.8s			pmax	pmax		
HHC	comp=Z,2um,5.9s			LR	LR		
HHC	comp=Z,3um,10.0s			LR	LR		
HHC	comp=Z,3um,16.7s			LR	LR		
XAN	Xi'an	29.50	295	↑P	P	08 54 23.8	+0.4
XAN	comp=Z,3um,16.5s			pp	P	08 54 26.6	-0.1
XAN	comp=Z,3um,16.5s			S	S	08 59 15.9	-2.2
XAN	comp=Z,3um,16.5s			pmax	pmax		

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XAN	comp=Z,28nm,1.8s			pmax	pmax		
XAN	comp=Z,2um,6.9s			LR	LR		
XAN	comp=Z,3um,8.8s			LR	LR		
XAN	comp=Z,2um,9.6s			LR	LR		
QIZ	Qiongzong	29.95	264	P	P	08 54 26.6	-0.9
QIZ	comp=Z,2um,15.7s			pP	S	08 54 32.2	+1.5
QIZ	comp=Z,330nm,4.5s			S	S	08 59 24.3	-1.0
QIZ	comp=Z,2um,8.3s			LR	LR		
QIZ	comp=Z,690nm,7.8s			LR	LR		
QIZ	comp=Z,1um,17.6s			LR	LR		
PETK	Petropavlovsk-Baotou	30.24	19	LR	LR	09 09 13.4	
BTO	comp=Z,164nm,18.3s			baz=174,slow=42			
BTO	comp=Z,110nm,2.2s			p	P	08 54 32.4	+2.1
BTO	comp=Z,3um,4.8s			pp	P	08 54 36.8	+1.0
BTO	comp=Z,4um,9.2s			sp	P	08 54 39.5	+6.0
BTO	comp=Z,2um,17.6s			PP	Pn	08 55 31.3	+3.3
BTO	comp=Z,5um,15.9s			S	S	08 59 31.3	+1.1
GYA	Guiyang	31.31	280	P	P	08 54 38.4	-1.2
GYA	comp=Z,17nm,0.6s			S	S	08 59 48.5	+1.7
GYA	comp=Z,840nm,5.9s			pmax	pmax		
GYA	comp=Z,2um,9.3s			LR	LR		
GYA	comp=Z,1um,11.3s			LR	LR		
CD2	Chengdu	33.64	288	P	P	08 54 54.1	+0.8
CD2	comp=Z,20nm,0.6s			pp	P	08 55 04.6	-0.8
CD2	comp=Z,960nm,7.1s			PP	PP	08 56 17.8	+1.9
CD2	comp=Z,3um,10.4s			S	S	09 00 19.4	-3.4
CD2	comp=Z,3um,9.8s			ss	ss	09 00 35.9	+8.8
CD2	comp=Z,3um,9.8s			pmax	pmax		
CD2	comp=Z,3um,10.4s			LR	LR		
CD2	comp=Z,3um,9.8s			LR	LR		
CD2	comp=Z,3um,10.4s			LR	LR		
LZH	Lanzhou	33.91	297	eP	P	08 55 04.1	+1.8
LZH	comp=Z,1um,12.6s			pp	P	08 55 11.9	+4.0
LZH	comp=Z,1um,12.6s			PP	P	08 56 16.8	-2.2
LZH	comp=Z,67nm,1.4s			S	S	09 00 27.0	-0.1
LZH	comp=Z,1um,4.5s			pmax	pmax		
LZH	comp=Z,1um,12.6s			LR	LR		
LZH	comp=Z,3um,11.7s			LR	LR		
LZH	comp=Z,3um,12.7s			LR	LR		
KMI	Kunming	34.99	278	↑P	P	08 55 10.6	-1.3
KMI	comp=Z,31nm,1.8s			S	S	09 00 43.8	-0.4
KMI	comp=Z,870nm,6.5s			pmax	pmax		
KMI	comp=Z,1um,10.7s			LR	LR		
KMI	comp=Z,910nm,8.7s			LR	LR		
KMI	comp=Z,1um,9.2s			LR	LR		
ULN	Ulaanbaatar	35.18	319	P	I	08 55 11.1	-2.1
ULN	comp=Z,55nm,1.7s			I	Amb	08 55 17.6	
ULN	Ulaanbaatar	35.18	319	P	P	08 55 11.1	-2.1
ULN	comp=Z,55nm,1.7s			pmax	pmax		
SOMN	Songino Array	35.56	318	P	P	08 55 14.7	-1.7
SOMN	comp=Z,2.7nm,0.6s			baz=135,slow=11,SNR=11			
PZH	PanZhihua	35.69	281	P	P	08 55 18.3	+0.5
PZH	comp=Z,20nm,0.7s			pp	PP	08 56 40.9	+2.1
PZH	comp=Z,950nm,6.4s			S	S	09 00 51.3	-3.4
PZH	comp=Z,1um,12.4s			pmax	pmax		
PZH	comp=Z,1um,13.7s			LR	LR		
PZH	comp=Z,1um,17.6s			LR	LR		
SHEM	Shemaya Is, Ala Kappang	36.68	33	LR	LR	09 08 05.7	
KAPI	Kappang	36.88	218	P	P	08 55 28.6	+0.8
KAPI	comp=Z,14nm,1.1s			eP	P	08 55 26.3	-1.5
KAPI	comp=Z,6.9nm,0.8s			pmax	pmax		
KAPI	comp=Z,135nm,18.0s			baz=277,slow=33			
KAPI	comp=Z,135nm,18.0s			baz=21,slow=40			
GTA	Gaotai	37.56	302	P	P	08 55 28.2	+0.4
GTA	comp=Z,6.9nm,0.8s			LR	LR	09 13 12.9	
GTA	comp=Z,61nm,2.4s			P	P	08 55 33.1	-0.5
GTA	comp=Z,1um,5.6s			pP	S	08 55 37.5	+0.7
GTA	comp=Z,960nm,11.6s			PP	Pn	08 57 05.1	+5.1
GTA	comp=Z,760nm,12.4s			S	S	09 01 19.9	-3.0
GTA	comp=Z,1um,11.6s			pmax	pmax		
CRAI	Chiariang	38.17	271	P	P	08 55 37.9	-0.9
SEY	Seymchan	38.23	8	iP	P	08 55 39.6	+0.8
ZAK	Zakamensk	38.52	320	eP	P	08 55 38.3	-3.2
ZAK	comp=Z,24nm,1.8s			pmax	pmax		
MMRI	Maumere	38.68	212	P	P	08 55 42.6	-0.4
TNCH	TengChong	38.78	279	↑P	P	08 55 46.3	+2.2
TNCH	comp=Z,670nm,3.7s			pp	Pn	08 57 18.3	+3.2
TNCH	comp=Z,790nm,8.6s			S	S	09 01 46.4	+4.5
TNCH	comp=Z,730nm,15.4s			pmax	pmax		
TNCH	comp=Z,1um,16.4s			LR	LR		
HNR	Honiara	38.98	150	LR	LR	09 12 22.5	
MTN	Manton Dam	39.32	196	P	I	08 55 48.2	-0.2
MTN	comp=Z,108nm,1.9s			I	Amb	08	

15d 8h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ZHN, SATY, MDOK, CHKK, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KKAR, BTX, PAX, IUG, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GEYT, BBB, URZ, SPITS, BELG, etc.

Table with columns: TPVW, Topopah Spring, 84.17, 52, P, P, 09 00 53.1+2.3, etc. Includes stations like TPVW, GQM, GUY, HUU, HVA, H17A, etc.

Table with columns: H03N2, Juan Fernandez, 144.04, 113, T, T, 11 48 45.5, etc. Includes stations like H03S3, H03N3, H03S1, etc.

Table with columns: WRA, Warramunga Arr, 14.30, 160, Pn, P, 08 53 59.4 -0.2, etc. Includes stations like ASAR, ASAR Alce Springs, MKAR, etc.

Table with columns: IDC 15 08:55:18.0, 2.8, 54:31N, 86:22E, h0km, mbtmp3.3/2, etc. Includes stations like H46RU, ZALV, ZALV, etc.

Table with columns: IDC 15 08:59:34.7, 1.0, 34:66N, 45:76E, h0km, mb3.7/13, etc. Includes stations like IDHR, IDHR, IDHG, etc.

Table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc. Includes stations like IDHR, IDHG, IDHL, etc.

Table with columns: SHME, SHME, SHME, Masafi, MASAF, etc. Includes stations like SHME, SHME, SHME, MASAF, MASAF, etc.

Table with columns: SMDO, Samad, 15.53, 134, P, Pn, 09 03 14.4 -0.4, etc. Includes stations like WSAR, WSAR, WSAR, etc.

Table with columns: ARU, Arti, 23.49, 18, P, P, 09 04 45.3 +0.5, etc. Includes stations like BVAR, BVAR, BVAR, etc.

Table with columns: ARCES, ARCES Array B, 36.84, 348, P, P, 09 06 43.0 +0.1, etc. Includes stations like EKA, EKA, EKA, etc.

Table with columns: IDC 15 09:15:13.2, 2.0, 32:15N, 141:23E, h0km, mb3.6/5, etc. Includes stations like JMA, JMA, JMA, etc.

Table with columns: Code, Station Name, A° AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc. Includes stations like JMA, JMA, JMA, etc.

Table with columns: IDC 15 09:28:42.4, 1.7, 54:30N, 0:187:31E, h0km, n9, etc. Includes stations like MKAR, MKAR, MKAR, etc.

Table with columns: IDC 15 09:28:42.4, 1.7, 54:30N, 0:187:31E, h0km, n9, etc. Includes stations like MKAR, MKAR, MKAR, etc.

Table with columns: IDC 15 09:28:42.4, 1.7, 54:30N, 0:187:31E, h0km, n9, etc. Includes stations like MKAR, MKAR, MKAR, etc.

15d 10h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ZAAO Zalesovo Array, ZALV Zalesovo Beam, KURK Kurchatov, etc.

IDC 15 10:35:47.5-4.0, 53.94N-91.21E, h0km, mbmp3.0/3, ML2.3/3, Error ellipse: s-maj=33.9km s-min=26.8km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, KURK Kurchatov, MK31 Makanchi Array, etc.

IDC 15 10:14:32.5-7.3, 3.27S-139.59E, h0km, mb3.2/2, mbtmp3.4/3, ML3.1/1, Error ellipse: s-maj=292.9km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

IDC 15 10:21:44.0-7.8, 23.88S-178.25W, h514km, 85km, mb3.0/4, mbtmp4.0/6, Error ellipse: s-maj=21.6km s-min=32.8km

IDC 15 10:21:44.8-3.1, 23.95S-107.17E, h500km, n6, s0667.7, mb3.6/4, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

DJA 15 10:22:12.4-0.4, 0.2N-2.9E, h62km, 10km, M3.6/8, mB4.5/1, MLv3.6/8, Mw(m)3.6/1, Northern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PBSI Pulau Batu, SBSI Sibolga, GSI Gunungsitoli, etc.

IDC 15 10:23:30.0-23.0, 16.38N-85.02W, h0km, mb3.3/3, mbtmp3.3/3, MS2.8/1, Error ellipse: s-maj=608.1km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, TXAR Lajitas Array, NVAR Mina Array, etc.

IDC 15 10:28:51.8-3.9, 18.15S-177.91W, h617km, 25km, mb2.8/4, mbtmp3.8/5, Error ellipse: s-maj=131.7km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, WRA Warramunga Arr, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

IDC 15 10:31:47.7-2.7, 22.42S-178.41W, h387km, 27km, mb3.2/9, mbtmp3.9/10, Error ellipse: s-maj=24.9km s-min=17.7km

ISC 15 10:31:46.3-0.9, 22.66S-178.3W, 0.1, h377km, n14, s143.1/14, mb3.4/9, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, DZM Mont Dzumac, URZ Urewera, etc.

JMA 15 10:39:17.9-0.4, 33.1N-174.1E, h54km, MV2.5/1, E OFF HACHIOJIMA ISLAND

IDC 15 10:39:17.1-1.7, 32.79N-138.87E, h0km, mb3.3/2, mbtmp3.2/3, ML2.0/1, Error ellipse: s-maj=39.2km

ISC 15 10:39:18.0-1.5, 33.18N-107.141E, 0.1, h50km, n9, s0542.1/1, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JHU2 Mitsune, JHU1 Hachijo jima 2, JHCJ Hachiojimakas, etc.

ROM 15 10:40:01.1-0.2, 45.205N-0.005-15.00E, 0.01, h6km, 1km, ML3.7/106, Error ellipse: s-maj=0.8km s-min=0.7km

VIE 15 10:40:01.6-0.4, 45.24N-14.94E, h6km, mb3.0/16, mb3.4/17, Error ellipse: s-maj=3.2km s-min=2.1km

RHSSO 15 10:40:02.8-0.3, 45.24N-14.95E, h5km, 2km, ML3.4/18 BEO 15 10:40:03.1-0.2, 45.30N-14.94E, h8km, 2km, ML3.3/11

PRU 15 10:40:04.4, 45.39N-15.05E, h10km LDG 15 10:40:04.1-0.5, 45.25N-14.94E, h10km, Error ellipse: s-maj=999.9km s-min=999.9km az=99.0

ISC 15 10:40:01.6-1.0, 45.26N-0.01-14.96E, 0.01, h11km, 8km, n210, s1545/299, 13C-22D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GBR5 Gornja Briga, BOJS Bojanci, RIV Rijeka, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CRES CRES, NVLJ Novljia, SKDS Skadanscina, etc.

comp=Z,757nm,0.3s GBSAS Gorenja Brezov, 0.77 332 ePg P

comp=Z,531nm,0.3s GBSAS Gorenja Brezov, 0.77 332 ePg P

comp=Z,603nm,0.2s A253A Karolj Istri, 0.81 273 ePg P

comp=Z,372nm,0.2s VNSD Vrh nad Dolski, 0.86 348 ePg P

comp=Z,162nm,0.1s GOLS Golise, 0.88 32 iPg P

comp=Z,516nm,0.3s JAVS Javornik, 0.89 315 iPg P

comp=Z,476nm,0.1s ZAG Zagreb, 0.92 52 ePg P

comp=N,5220um,1.2s ZAG, 0.92 52 AML AML

comp=N,5220um,1.2s ZAG, 0.92 52 AML AML

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comp=N,5220um,1.2s ZAG, 0.92 52 AML AML

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N17K	Nushagak Hills	5.55	10	Pn	11 53 22.9 +0.5
N17K	Nushagak Hills	5.55	10	P	11 53 23.1 +0.7
N17K	baz=192,SNR=49			S	Sn
P19K	Oil Pt	5.60	33	Pn	11 54 24.4 +1.3
P19K	Oil Pt	5.60	33	P	11 53 24.1 +1.0
M15K	Kasigluk River	5.66	353	Pn	11 53 24.5 +0.6
M15K	Kasigluk River	5.66	353	P	11 53 24.7 +0.8
O19K	Port Alsworth	5.75	25	Pn	11 53 26.6 +1.5
O19K	Port Alsworth	5.75	25	P	11 53 26.3 +1.2
M13K	Dall Lake	5.76	339	Pn	11 53 26.6 +1.3
M13K	Dall Lake	5.76	339	P	11 53 26.5 +1.3
M14K	Bethel	5.85	347	Pn	11 53 27.3 +0.8
M14K	Bethel	5.85	347	P	11 53 27.0 +0.5
M14K	baz=165,SNR=58			S	Sn
N18K	Kilae Creek	5.87	16	Pn	11 53 27.9 +1.1
N18K	Kilae Creek	5.87	16	P	11 53 27.7 +0.9
N18K	baz=199,SNR=44			S	Sn
ILSW	Ilamna Southw	5.89	31	Pn	11 53 28.3 +1.1
M16K	Timber Creek	5.94	1	Pn	11 53 28.2 +1.5
M16K	Timber Creek	5.94	1	P	11 53 28.7 +0.9
IVE	Ilamna Volcan	5.95	32	Pn	11 53 28.9 +0.9
N1KH	Nikolski High	6.06	253	P	11 53 32.1 +2.7
N1KH	Nikolski High	6.06	253	P	11 53 29.6 +0.2
O20K	Slope Mountain	6.12	33	Pn	11 53 31.4 +1.1
O20K	Slope Mountain	6.12	33	P	11 53 31.2 +0.9
O20K	Home	6.14	39	P	11 53 31.5 +1.1
CNPM	China Poot	6.20	41	Pn	11 53 31.3 0.0
N19K	Bonanza Creek	6.26	22	Pn	11 53 33.8 +1.6
N19K	Bonanza Creek	6.26	22	P	11 53 33.0 +0.8
SVW2	Sparrevohn	6.32	16	Pn	11 53 34.2 +1.3
SVW2	Sparrevohn	6.32	16	P	11 53 34.0 +1.1
RED	Redoubt Volcan	6.35	30	Pn	11 53 34.5 +1.0
M17K	Hollina River	6.39	8	Pn	11 53 34.7 +0.8
M17K	Hollina River	6.39	8	P	11 53 35.4 +1.5
RDSO	Redoubt South	6.39	30	Pn	11 53 34.8 +0.8
RDSO	Redoubt West	6.39	30	Pn	11 53 34.6 +0.5
RSO	Redoubt South	6.39	30	Pn	11 53 35.4 +1.3
NCT	North Crescent	6.42	29	Pn	11 53 34.1 +1.2
M11K	Mekoryuk	6.48	328	Pn	11 53 35.8 +0.7
M11K	Mekoryuk	6.48	328	P	11 53 35.5 +0.3
BRLK	Bradley Lake	6.49	41	Pn	11 53 34.5 -0.8
SPIA	Saint Paul Isl	6.50	293	Pn	11 53 35.9 +0.5
SPIA	Saint Paul Isl	6.50	293	P	11 53 35.9 +0.5
SPIA	Saint Paul Isl	6.50	293	P	11 53 35.9 +0.5
L14K	Kuka Creek	6.52	345	Pn	11 53 36.0 +0.4
L14K	Kuka Creek	6.52	345	P	11 53 36.1 +0.4
BRSE	Bradley Lake S	6.53	41	Pn	11 53 35.0 -0.9
BRSE	Bradley Lake S	6.53	41	P	11 53 35.6 -0.3
RDT	Redoubt	6.58	31	Pn	11 53 37.2 +0.6
L16K	Owhat River	6.63	359	Pn	11 53 37.6 +0.4
L16K	Owhat River	6.63	359	P	11 53 37.8 +0.6
M18K	Stony River	6.65	14	Pn	11 53 37.9 +0.3
M18K	Stony River	6.65	14	P	11 53 38.4 +0.9
M18K	baz=197			S	Sn
L15K	Ungalak Mouta	6.70	351	Pn	11 53 38.2 0.0
L15K	Ungalak Mouta	6.70	351	P	11 53 38.0 0.0
L15K	baz=169,SNR=16			S	Sn
L17K	Donlin	7.07	4	Pn	11 53 43.6 +0.4
L17K	Donlin	7.07	4	P	11 53 43.5 +0.3
N20K	Mount Spurr	7.15	28	Pn	11 53 45.1 +0.7
SPCR	Spurr Capps Gd	7.15	28	Pn	11 53 45.5 +1.0
SPN	North Nagishla	7.16	26	Pn	11 53 46.4 +1.7
SPCN	Chakachatna No	7.18	28	Pn	11 53 45.8 +1.0
SPCP	Crater Peak Br	7.22	28	Pn	11 53 46.4 +1.0
SLKM	Skilak Lake	7.24	38	Pn	11 53 44.9 -0.8
SEW	Seward	7.26	42	Pn	11 53 44.6 -1.1
SEW	Seward	7.26	42	P	11 53 46.6 +0.9
L18K	Granite Mouta	7.26	9	Pn	11 53 46.3 +0.5
L18K	Granite Mouta	7.26	9	P	11 53 46.5 +0.7
L18K	baz=192			S	Sn
M19K	Big River Lodg	7.28	18	Pn	11 53 47.8 +1.7
M19K	Big River Lodg	7.28	18	P	11 53 47.3 +1.3
SPCG	Spurr Capps Gd	7.28	29	Pn	11 53 46.5 +0.3
K15K	Wolf Creek Mou	7.31	352	Pn	11 53 47.8 +1.3
K15K	Wolf Creek Mou	7.31	352	P	11 53 47.4 +0.8
K15K	baz=170,SNR=13			S	Sn
O22K	Cooper Landing	7.40	39	Pn	11 53 49.3 +1.5
O22K	Cooper Landing	7.40	39	P	11 53 48.6 +0.8
L19K	White Mountain	7.46	16	Pn	11 53 50.2 +1.7
L19K	White Mountain	7.46	16	P	11 53 49.4 +0.8
L19K	baz=200,SNR=110			S	Sn
STLK	Strandline Lak	7.50	28	Pn	11 53 50.0 +0.8
M20K	Styx River	7.51	23	Pn	11 53 51.8 +2.4
M20K	Styx River	7.51	23	P	11 53 51.2 +1.8
M20K	baz=208			S	Sn
K17K	Iditarod	7.65	3	Pn	11 55 52.3 +1.1
K17K	Iditarod	7.65	3	P	11 53 51.6 +0.4
SUA	Susitna One	7.78	32	Pn	11 53 53.2 +0.1
SUA	Susitna One	7.78	32	P	11 53 53.3 +0.1
RC01	Rabbit Creek A	7.83	36	Pn	11 53 53.8 +0.2
RC01	Rabbit Creek A	7.83	36	P	11 53 55.0 +1.4
L20K	Farewell, AK	7.90	18	Pn	11 53 56.0 +1.3
L20K	Farewell, AK	7.90	18	P	11 53 55.0 +0.4
SKT	Skwentna	7.98	27	Pn	11 53 56.7 +1.0
SKT	Skwentna	7.98	27	P	11 53 55.9 +0.2
J14K	Nanvaranak Lak	7.99	346	Pn	11 53 56.6 +0.8
J14K	Nanvaranak Lak	7.99	346	P	11 53 55.6 -0.2
TTA	Tatalina	8.03	11	Pn	11 53 56.9 +0.5
TTA	Tatalina	8.03	11	P	11 53 57.1 +0.7
TTA	Tatalina	8.03	11	P	11 53 56.1 -0.3
P23K	Montague Islan	8.03	48	Pn	11 53 56.1 -0.3
P23K	Montague Islan	8.03	48	P	11 53 56.7 +0.4
PWL	Port Wells	8.17	41	Pn	11 53 58.9 +0.6
M22K	Willow	8.20	32	Pn	11 53 58.9 +0.3
Q23K	Middleton Isla	8.21	53	Pn	11 53 59.2 +0.3
Q23K	Middleton Isla	8.22	53	P	11 53 59.2 +0.3
J16K	Anvik River	8.24	356	Pn	11 54 00.3 +1.1
J16K	Anvik River	8.24	356	P	11 53 59.7 +0.5
PMR	Palmer	8.39	35	Pn	11 54 00.1 -1.2
PMR	Palmer	8.39	35	P	11 54 00.5 -0.8
PMR	Palmer	8.39	35	P	11 54 01.7 +0.4
J18K	Innoko River	8.49	8	Pn	11 54 03.9 +1.4
J18K	Innoko River	8.49	8	P	11 54 03.1 +0.4
KNK	Knik Glacier	8.49	37	Pn	11 54 01.4 -1.4

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KNK	Knik Glacier	8.49	37	Pn	11 54 03.4 +0.7
GHO	Glory Hole Cre	8.59	35	Pn	11 54 02.9 -1.2
PPLA	Purkeypile	8.62	22	Pn	11 54 07.1 +2.5
PPLA	Purkeypile	8.62	22	P	11 54 06.7 +2.2
HNI	Hinchinbrook I	8.62	47	Pn	11 54 03.5 -1.1
GLI	Glacier Island	8.66	43	Pn	11 54 03.0 -1.9
GLI	Glacier Island	8.66	43	P	11 54 05.0 +0.1
CUT	Chulitna	8.67	29	Pn	11 54 05.2 +0.1
K20K	Telida	8.69	16	Pn	11 54 06.8 +1.4
K20K	Telida	8.69	16	P	11 54 05.5 +0.1
SML	Sawmill	8.81	36	Pn	11 54 05.7 -1.4
SML	Sawmill	8.81	36	P	11 54 07.3 +0.2
FID	Port Fidalgo	8.83	45	Pn	11 54 05.2 -2.1
H17K	Unalakleet	8.85	356	Pn	11 54 08.9 +1.3
H17K	Unalakleet	8.85	356	P	11 54 08.5 +1.0
M23K	Glacier View	9.01	37	Pn	11 54 10.5 +0.7
M23K	Glacier View	9.01	37	P	11 54 10.0 +0.2
EYAK	Cordova Ski Ar	9.02	47	Pn	11 54 09.9 0.0
EYAK	Cordova Ski Ar	9.02	47	P	11 54 09.9 0.0
EYAK	Cordova Ski Ar	9.02	47	P	11 54 10.1 +0.2
CAST	Castle Rocks	9.10	21	Pn	11 54 12.5 +1.4
CAST	Castle Rocks	9.10	21	P	11 54 12.0 +0.9
J19K	Poorman	9.11	10	Pn	11 54 12.0 +0.9
J19K	Poorman	9.11	10	P	11 54 11.8 +0.7
SCM	Sheep Creek Mo	9.18	38	Pn	11 54 11.2 -0.9
SCM	Sheep Creek Mo	9.18	38	P	11 54 12.3 +0.2
KAIM	Kayak Island	9.31	53	Pn	11 54 15.0 +1.0
KAIM	Kayak Island	9.31	53	P	11 54 14.2 +0.3
DIV	Divide	9.33	44	Pn	11 54 14.3 +0.1
ATKA	Atka Island	9.35	258	Pn	11 54 15.0 +0.6
ATKA	Atka Island	9.35	258	P	11 54 14.7 +0.2
RAGM	Ragged Mountai	9.40	50	Pn	11 54 16.0 +0.4
WAT7	Susitna Watana	9.41	30	Pn	11 54 14.2 -1.2
J20K	Nowinta River	9.46	14	Pn	11 54 17.2 +1.3
J20K	Nowinta River	9.46	14	P	11 54 16.4 +0.5
GOAT	Goat Mountain	9.47	49	Pn	11 54 15.3 -0.9
CHUM	Lake Minchumit	9.48	19	Pn	11 54 16.7 +0.6
KLU	Klutina	9.48	42	Pn	11 54 17.0 +0.7
KLU	Klutina	9.48	42	P	11 54 17.0 +0.7
WAT1	Susitna Watana	9.50	31	Pn	11 54 14.8 -1.7
WAT1	Susitna Watana	9.50	31	P	11 54 16.6 +0.1
WAT6	Susitna Watana	9.56	34	Pn	11 54 15.3 -2.2
WAT6	Susitna Watana	9.56	34	P	11 54 17.3 -0.1
HMT	Hamilton	9.56	51	Pn	11 54 18.0 +0.6
NICHA	Nichawak Mount	9.65	52	Pn	11 54 18.2 -0.3
SUCK	Suckling Hills	9.67	53	Pn	11 54 19.3 +0.5
H16K	Elim	9.69	352	Pn	11 54 19.6 +0.6
BMRM	Bremner River	9.72	47	Pn	11 54 20.3 +0.7
BMRM	Bremner River	9.72	47	P	11 54 19.9 +0.4
GCSA	Galena City Sc	9.75	6	Pn	11 54 20.2 +0.3
GCSA	Galena City Sc	9.75	6	P	11 54 20.5 +0.7
M24K	Tolsona, Glenn	9.77	39	Pn	11 54 20.9 +0.8
M24K	Tolsona, Glenn	9.77	39	P	11 54 21.0 +0.8
BERG	Berg Lake	9.84	51	Pn	11 54 20.1 -1.0
RND	Reindeer	9.86	28	Pn	11 54 19.9 -1.6
H17K	Granite Mouta	9.87	358	Pn	11 54 22.8 +1.2
H17K	Granite Mouta	9.87	358	P	11 54 22.0 +0.4
BPAW	Bear Paw Mtn.	9.93	21	Pn	11 54 23.2 +0.7
ANM	Nome	9.98	345	Pn	11 54 23.9 +0.8
ANM	Nome	9.98	345	P	11 54 23.7 +0.7
I20K	Naaghdeneel	10.01	12	Pn	11 54 24.6 +1.2
I20K	Naaghdeneel	10.01	12	P	11 54 23.6 +0.2
DHY	Denali Highway	10.04	32	Pn	11 54 23.3 -1.7
DHY	Denali Highway	10.04	32	P	11 54 24.6 +0.6
N25K	Chitina, Valde	10.06</			

15d 11h

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like WHY Whitehorse, H2K7 Steamboat Moun, D22K Ayikyak River, etc.

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Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like PEAOB Petropavlovsk, PETK Petropavlovsk, B08A Colville Reser, etc.

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Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Y14A Wickenburg, ISCO Idaho Springs, MVCO Mesa Verde, etc.

MUGZ	Murupara	3.64	32	P	Pn	15 04 27.6	-1.1
MHGZ	Mahia Peninsula	3.67	49	P	Pb	15 04 26.9	-2.1
RRRZ	Republican Roa	3.67	28	P	Pb	15 04 36.3	-1.1
TMZ	Timaru	3.70	220	P	Pn	15 04 28.2	-1.2
TARZ	Mout Tarawera	3.76	27	P	Pn	15 04 30.5	+0.1
PRRZ	Paritutu Road	3.80	22	P	Pn	15 04 31.2	+0.1
FOZ	Fox Glacier	3.85	39	Pn	Pn	15 04 31.7	+0.1
FOZ	Fox Glacier	3.85	239	Pn	Pn	15 04 31.2	-0.4
RAGZ	Rawiri	3.91	38	P	Pn	15 04 30.7	-1.6
RIGZ	Rimuhau	3.91	43	P	Pn	15 04 30.3	-2.1
KMRZ	Kaimai	3.96	19	P	Pn	15 04 34.4	+1.3
URZ	Urewera	3.98	32	P	Pn	15 04 32.2	-0.1
URZ	Urewera	3.97	33	Pn	Pn	15 04 31.2	-1.9
URZ	4.4nm,0.3s,baz=323,slow=6.5,SNR=30				LR	15 05 32.1	
URZ	comp-Z,96nm,19.5s,baz=220,slow=32				Lg	15 05 32.1	
URZ	19nm,0.3s,baz=106,slow=12,SNR=3.7				Lg	15 05 32.1	
URZ	9.0nm,0.3s						
URZ	Urewera	3.97	33	P	Pn	15 04 31.2	-1.9
TOZ	Tahuroa Road	3.98	13	Pn	Pn	15 04 35.6	+2.3
NOZ	Tahuroa Road	3.98	13	P	Pn	15 04 35.6	+2.3
MARZ	Manawaha	4.04	27	P	Pn	15 04 33.5	-0.7
LBZ	Lake Benmore	4.12	226	Pn	Pn	15 04 34.2	-1.1
LBZ	Lake Benmore	4.12	226	P	Pn	15 04 34.2	-1.1
OPRZ	Ohinepaea	4.13	25	P	Pn	15 04 35.3	-0.1
TGRZ	Tauranga	4.31	25	P	Pn	15 04 36.1	+0.5
CNGZ	Carnagh Station	4.31	25	P	Pn	15 04 36.3	-1.5
ODZ	Otahua Downs	4.36	217	Pn	Pn	15 04 36.0	-2.6
ODZ	Otahua Downs	4.36	217	P	Pn	15 04 37.1	-1.9
ODZ	Otahua Downs	4.36	217	P	Pn	15 04 37.1	-1.9
RUGZ	Raukumera Rang	4.46	36	P	Pn	15 04 38.3	-1.7
MKAZ	Moumakai	4.54	8	P	Pn	15 04 42.6	+1.6
AWAZ	Awhitu Peninsula	4.55	3	P	Pn	15 04 43.3	+2.3
MYRZ	Mayor Island	4.57	19	P	Pn	15 04 46.6	+5.2
ETAZ	East Tamaki Re	4.67	2	P	Pn	15 04 45.3	+2.4
WTAZ	Waatarua	4.68	2	P	Pn	15 04 46.0	+3.1
EPAZ	Eden Park BICE	4.74	4	P	Pn	15 04 46.9	+3.1
JCZ	Jackson Bay	4.77	237	P	Pn	15 04 43.2	-1.0
JCZ	Jackson Bay	4.77	237	P	Pn	15 04 42.7	-1.6
RVAZ	Riverhead Bore	4.84	2	P	Pn	15 04 48.0	+2.9
WLAZ	Waiheke Island	4.85	22	P	Pn	15 04 47.0	+2.0
MBAZ	Motutapu North	4.86	5	P	Pn	15 04 48.0	+2.7
KUZ	Kuaotunu	4.98	13	P	Pn	15 04 48.6	+1.6
KUZ	Kuaotunu	4.98	13	P	Pn	15 04 48.3	+1.3
ABAZ	Army Bay	5.02	5	P	Pn	15 04 50.1	+2.5
WKZ	Wanaka	5.05	229	Pn	Pn	15 04 46.9	+1.1
WKZ	Wanaka	5.05	229	P	Pn	15 04 46.4	-1.6
HHSZ	Highcliff Hill	5.06	211	P	Pn	15 04 45.3	-2.8
MXZ	Matakaoa Point	5.07	38	Pn	Pn	15 04 47.5	-0.8
MXZ	Matakaoa Point	5.07	38	P	Pn	15 04 46.9	-1.4
MXZ	Matakaoa Point	5.07	38	P	Pn	15 04 46.9	-1.4
EAZ	Earnscough	5.15	224	P	Pn	15 04 48.0	-1.4
GRZ	Great Barrier	5.22	10	P	Pn	15 04 56.0	+2.8
TUZ	Tuapeka	5.52	217	P	Pn	15 04 53.0	-1.4
MSZ	Milford Sound	5.60	236	P	Pn	15 04 58.8	+3.2
WCZ	Waipoua Caves	5.66	0	P	Pn	15 04 58.5	+2.0
MLZ	Mavora Lakes	5.88	228	Pn	Pn	15 05 08.9	+1.0
MLZ	Mavora Lakes	5.88	228	P	Pn	15 05 08.3	-1.1
SYZ	Scrubby Hill	6.19	216	P	Pn	15 05 02.4	-1.2
SYZ	Scrubby Hill	6.19	216	P	Pn	15 05 02.5	-1.2
WHZ	Wether Hill Ro	6.30	225	Pn	Pn	15 05 04.8	-0.4
WHZ	Wether Hill Ro	6.30	225	P	Pn	15 05 03.0	-2.3
CTZ	Chatham Island	6.39	11	P	Pn	15 05 08.9	+1.0
CTZ	Chatham Island	6.39	11	P	Pn	15 05 08.9	+1.0
OUZ	Omahuta	6.41	355	P	Pn	15 05 09.0	+2.3
DCZ	Deep Cove	6.49	231	Pn	Pn	15 05 05.2	-2.6
APZ	The Paps	6.93	219	P	Pn	15 05 12.6	-1.3
CTZ	Chatham Island	6.99	11	Pn	Pn	15 05 12.8	-1.9
CTZ	Chatham Island	6.99	11	P	Pn	15 05 13.1	-1.6
DZM	Mont Dzumae	7.20	339	LR	LR	15 16 01.5	
CTA	Charters Tower	7.34	304	LR	LR	15 21 06.8	
HNR	Honiata	7.41	36	LR	LR	15 22 00.3	
AS31	Alice Springs	38.06	285	P	P	15 10 49.8	-1.1
ASAR	Alice Springs	38.06	285	P	P	15 10 50.3	-0.6
ASAR	Alice Springs	38.06	285	P	P	15 10 50.0	-0.8
ASAR	1.1nm,0.4s,baz=122,slow=6.8,SNR=36				LR	15 26 20.6	
WR0	Warramunga Arr	39.97	290	P	Iamb	15 11 05.9	-1.0
WR0	Warramunga Arr	39.97	290	P	Iamb	15 11 18.3	
WB2	Warramunga Arr	40.11	290	P	Iamb	15 11 06.8	-1.3
WB2	Warramunga Arr	40.11	290	P	Iamb	15 11 18.9	
WRAB	Tennant Creek	40.12	290	P	Iamb	15 11 07.6	-0.5
WRAB	Tennant Creek	40.12	290	P	Iamb	15 11 07.8	
WRA	Warramunga Arr	40.12	290	P	P	15 11 07.0	-1.1
WRA	Warramunga Arr	40.12	290	P	P	15 11 06.8	-1.4
WBO	Warramunga Arr	40.20	290	P	Iamb	15 11 08.1	-0.7
WBO	Warramunga Arr	40.20	290	P	Iamb	15 11 08.7	
KNRA	Kunururra	46.90	290	P	P	15 12 03.5	+0.7
MTN	Manton Dam	47.22	295	P	P	15 12 03.9	-1.4
QSPA	South Pole Qui	48.52	180	P	Iamb	15 12 16.9	+1.9
QSPA	South Pole Qui	48.52	180	P	Iamb	15 12 18.7	
GSPA	South Pole Qui	48.52	180	P	P	15 12 16.3	+1.4
GSPA	South Pole Qui	48.52	180	P	P	15 12 16.3	+1.4
MAW	Mawson	59.61	204	LR	LR	15 38 16.1	
TROLL	Troll, Antarti	66.54	183	P	P	15 14 22.2	+0.4
SNAZ	Sanae	67.01	181	P	Iamb	15 14 25.0	+0.3
SNAZ	Sanae	67.01	181	P	Iamb	15 14 46.9	
SNAZ	Sanae	67.01	181	P	Iamb	15 14 25.2	+0.5
SNAZ	Sanae	67.01	181	P	P	15 14 24.6	0.0
VNA3	Neumayer Olymp	67.42	179	P	P	15 14 27.8	+0.6
VNA2	Neumayer-Watz	67.77	179	P	P	15 14 30.0	+0.6
VNA1	Neumayer-Stat	68.03	179	P	P	15 14 31.1	0.0
HHC	Hu-ho-hao-te	99.84	317	eP	Pdf	15 17 18.0	+1.5
HHC	Hu-ho-hao-te	99.84	317	eP	Pdf	15 17 18.0	+1.5
HHC	comp-Z,41nm,0.5s				pmax		
HHC	comp-Z,220nm,5.6s				pmax		
ARCES	ARCCESS Array B	147.67	340	PKPbc	PKPpdf	15 23 14.0	+1.2
TORD	Torodi Arr	156.93	195	PKPbc	PKPbc	15 23 24.4	-0.9
GCG	15:04:52.84.4, 14:49N-92:45W, h90km, 102km, MD3.6						
MEX	15:04:54.0.8, 14:64N-92:09W, h102km, 11km, MD4.1						
IDC	15:04:55.3.6.0, 14:88N-92:02W, h82km, 36km, mb3.5/2, mbmp3.6/4, Error ellipse: s-maj=58.2km s-min=17.5km az=174.0						
ISC	15:04:55.7.1.0, 14:73N-0:07-92:28W, 0.04, h89km, 6km, n30, e234/46, Near coast of Chiapas						

PCG	Las Nubes	1.87	94	eS	Sn	15 05 44.3	-0.4
NBG	NBG	1.87	94	eP	Pn	15 05 25.9	-0.6
NBG	NBG	1.87	94	eS	Pn	15 05 56.1	+6.2
CARR	Arriaga	2.18	314	iP	Pn	15 05 30.2	+1.7
CARR	Arriaga	2.18	314	iP	Pn	15 05 59.3	+3.1
TGIG	TGIG	2.19	339	eS	Pn	15 05 59.9	-0.6
TGIG	TGIG	2.19	339	eS	Pn	15 05 56.2	-1.0
NILT	Santiago Nilte	2.90	308	eS	Pn	15 05 41.5	+1.6
NILT	NILT	2.90	308	eS	Pn	15 06 16.1	+2.2
UXUV	UXUV	3.14	325	eP	Pn	15 05 43.7	+0.6
CMIG	Matias Romero	3.44	313	eP	Pn	15 05 47.6	+0.5
CMIG	Matias Romero	3.44	313	eP	Pn	15 06 28.4	+1.5
CMIG	19nm,0.4s,baz=270,slow=19,SNR=14				Pn	15 05 48.1	+1.0
CMIG	Matias Romero	3.44	313	eP	Pn	15 05 21.6	+1.8
HUIG	Huatulco	3.84	286	eP	Pn	15 06 32.6	-0.4
HUIG	Huatulco	3.84	286	eP	Pn	15 06 32.6	-0.4
NEUV	Arroyo Zacate	4.50	312	eP	Pn	15 06 02.0	+0.4
NEUV	Arroyo Zacate	4.50	312	eP	Pn	15 06 48.7	-4.1
PEIG	Puerto Escondido	4.87	286	eP	Pn	15 06 57.3	-4.3
YONG	Lajas Array	5.50	287	eP	Pn	15 07 15.6	-1.8
PNIG	Pintopa	5.88	287	eP	Pn	15 06 20.9	+0.6
HLIG	Huajuaplan de L	6.14	301	eP	Pn	15 06 30.2	+6.2
JAUJ	Jalcomulco	6.33	317	eS	Pn	15 07 32.6	-4.8
FTIG	Fresnillo de T	6.45	300	eP	Pn	15 06 28.8	+0.5
FTIG	Fresnillo de T	6.45	300	eP	Pn	15 07 40.7	+0.2
TEIG	TEIG	6.67	34	P	Pn	15 06 28.1	-3.0
TEIG	165nm,0.3s,baz=61,slow=1.4,SNR=43				Pn	15 07 38.7	-6.9
TXAR	Lajas Array	17.95	326	eP	P	15 09 00.7	+1.7
TXAR	0.6nm,0.5s,baz=131,slow=14,SNR=5.4				P	15 11 24.2	+2.2
NVAR	Mina Array Bea	32.94	321	P	P	15 11 24.2	+2.2
ILAR	Elens Array	62.07	337	P	P	15 15 05.8	-0.9
ILAR	0.5nm,0.9s,baz=145,slow=6.5,SNR=4.1						
CMAR	Chiang Mai Arr	145.22	341	PKPbc	PKPbc	15 24 21.9	-1.8
CMAR	0.6nm,0.4s,baz=336,slow=3.0,SNR=8.0						
NAO	15:19:58.5, 30:55N-48:71E, h33km, mb3.7						
AZER	15:20:27.9.1.7, 34:37N-44:83E, h10km, Error ellipse: s-maj=18.0km s-min=10.2km az=25.0						
IDC	15:20:35.0.0.8, 34:53N-45:55E, h0km, mb4.1/1.5, mbmp4.1/2.3, ML3.7/8, MS3.0/1.4, Error ellipse: s-maj=16.4km s-min=12.8km az=171.0						
MOS	15:20:35.1.1.3, 34:53N-45:57E, h10km, mb4.5/1.9, Error ellipse: s-maj=8.3km s-min=6.2km az=89.1						
TEH	15:20:36.6, 34:60N-45:58E, h11km, 36km, ML4.2						
NEIC	15:20:37.5.1.5, 34:58N-0:04-45:62E-0:09, h12km, 5km, mb4.4/4.0, Error ellipse: s-maj=10.6km s-min=5.6km az=87.0						
DSN	15:20:43.8.2.0, 33:92N-45:97E, h8km, mb4.7/1, Error ellipse: s-maj=44.9km s-min=15.1km az=26.0						
OMAN	15:20:50.2.0.1, 33:45N-46:11E, h10km, mb4.4/3.0, ms3.0/2, Error ellipse: s-maj=7.0km s-min=0.8km az=243.0						
GII	15:21:27.0.0.3, 34:75N-45:66E, h15km						
ISC	15:19:30.3.0.9, 34:52N-0:02-45:56E-0:02, h8km, 6km, n269, e1960/267, mb4.4/4.4, MS3.1/1.1, 1-10-ID, Iran-Iraq border region						
Code	Station Name	A°	AZ°	Op	ISC	Time	Res
IDHR	Dehrash	0.71	75	Pg	Sb	15 20 50.6	-0.4
IDHR	IDHR	0.71	75	Pg	Sb	15 21 07.7	-0.3
IGHG	Ghaleghazi	0.86	102	Pg	Pn	15 20 54.4	-0.4
IGHG	Ghaleghazi	0.86	102	Pg	Pn	15 21 06.6	+0.9
ILBA	Ilam Banvizeh	1.04	149	Pg	Pn	15 20 58.4	+1.2
ILBA	ILBA	1.04	149	Pg	Pn	15 21 14.6	+2.6
ILIN	Lien	1.23	71	Pg	Pg	15 21 00.0	+0.2
ILIN	ILIN	1.23	71	Pg	Pg	15 21 18.1	+1.3
KCHF	Cheshme Sefid,	1.25	101	Pg	Sn	15 21 18.9	+1.6
KCHF	KCHF	1.25	101	Pg	Sn	15 21 18.9	+1.6
SDSI							

15d 15h

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JLN, VSR, MHTO, DOK, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like VRAC, KRUC, KLMM, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like ILAR, I30M, J30M, etc.

KMA 15 15:21:52.8;0.0,36°13'N;129°37'E,h16km,Error ellipse: s-maj=0.8km s-min=0.4km az=264.0

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like KSPHA, YODB, YOCB, etc.

NOU 15 15:28:27.3,21°45'S;169°89'E,h0km,MLV3.9/5, Southeast of Loyalty Islands,Southeast of Loyalty

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like OUCNE, DZM, ONTNC, etc.

MOS 15 15:35:25.7;0.9,42°21'N;140°78'E,h142km,mb4.4/23, Error ellipse: s-maj=6.5km s-min=5.6km az=91.3

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JKB, JYM2, JNB, etc.

15d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC. Includes stations like SUMG Summit, ASAR Alice Springs, KIV Kislovodsk, etc.

IDC 15 15:49:44.8, 1.3, 34.48N, 23.80E, h0km, mb3, 9/10, mbmp3.8/12, ML3.9/2, Error ellipse: s-maj=27.6km s-min=14.4km az=148.0

2017 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC h m s ISC. Includes stations like IMMV lera Moni Meta, TMBK Prines Rethymn, CHAN Chania, 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 DSI Dead Sea, KRMI Paran Flat, MBRI Mt Berech, etc.

IDC 15 16:05:59.9, 1.1, 31.73S, 177.83W, h0km, mb4, 0/4, mbmp4.1/5, ML4.7/1, MS3.4/5, Error ellipse: s-maj=35.6km s-min=22.1km az=85.0

NEIC 15 16:06:00.2, 1.8, 31.79S, 0.05S, 177.6W, 0.1, h10km, 1km, mb4.6/14, Error ellipse: s-maj=21.7km s-min=8.4km az=100.0

ISC 15 16:01:01.0, 1.7, 31.84S, 0.07S, 177.7W, 0.1, h18km, n40, s181/37, mb4.3/8, MS3.5/3, Kermadec Islands region

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

15d 17h

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like 1L9K White Mountain, BRSE Bradley Lake S, TTA Tatalina, etc.

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Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like GLB Gilahina Butte, I23K Minto, Yukon-K, I23K Minto, CRQM Cirque, etc.

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Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like B21K Ipkipuk River, E24K Your Creek, E24K Your Creek, etc.

INX	Inuvik	24.57	32	LR	LR	17 35 21.0
TGNT	Hyland Airport	24.82	49	P	P	17 25 26.8 +0.8
YKA	Yellowknife Ar	31.27	47	P	P	17 26 24.2 +0.7
YKA	comp-Z, 4.5nm, 18.1s, baz=286, slow=39			LR	LR	17 40 31.5
NEW	Newport	33.54	74	P	P	17 26 44.2 +0.6
NEW	Newport	33.54	74	LR	LR	17 38 24.9
TIXI	Tiksi	33.79	330	PcP	PcP	17 29 23.9 -0.2
YAK	Yakutsk	33.93	313	P	P	17 26 45.3 -1.4
MSO	Missoula	36.10	74	IAMB	IAMB	17 27 09.4
MSO	Missoula	36.10	74	PcP	PcP	17 29 31.1 -0.3
MSO	Missoula	36.10	74	P	P	17 27 06.1 +0.3
H11N2	WAKE ISLAND Hy	36.30	219	T	T	18 05 36.6
H11N3	WAKE ISLAND Hy	36.31	219	T	T	18 05 34.7
H11N1	WAKE ISLAND Hy	36.32	219	T	T	18 05 32.9
PAHR	Pah Rah Range	36.42	88	IAMB	IAMB	17 27 12.2
KL7R	Kul'dur	36.74	291	LR	LR	17 44 27.0
HLID	Halley	37.42	79	PcP	PcP	17 29 35.4 -0.2
HLID	Halley	37.42	79	P	P	17 27 17.5 +0.3
H11S1	WAKE ISLAND Hy	37.48	219	T	T	18 07 10.1
H11S2	WAKE ISLAND Hy	37.50	219	T	T	18 07 04.3
H11S3	WAKE ISLAND Hy	37.50	219	T	T	18 07 06.6
KVN	Kaiserville	37.61	88	P	P	17 27 20.4 +1.6
RES	Resolute Bay	37.66	25	LR	LR	17 45 28.8
NVAR	Minna Array Bay	37.85	89	P	P	17 27 21.9 +1.0
NVAR	comp-Z, 1.6nm, 0.8s, baz=292, slow=8.6, SNR=11			PcP	PcP	17 29 36.8 -0.1
EGMT	Eagleton	38.07	70	P	P	17 27 22.8 +0.3
BOZ	Bozeman (W)	38.10	75	IAMB	IAMB	17 27 26.3
BOZ	Bozeman (W)	38.10	75	P	P	17 27 29.1 +0.1
ELK	Elko	38.44	84	LR	LR	17 41 02.1
DSP	Deep Springs	38.69	90	P	P	17 27 27.8 +0.2
HEH	HeiHe	38.82	294	eP	eP	17 27 28.3 -0.3
HEH	comp-Z, 1.3nm, 1.0s			pmx	pmx	
USRK	Ussuriysk Ar	39.01	283	P	P	17 27 29.9 -0.4
USRK	comp-Z, 2.2nm, 0.7s, baz=60, slow=6.8, SNR=2.5			LR	LR	17 43 50.9
PKM	Mcperson Peak	39.08	95	P	P	17 27 32.1 +0.9
YNR	Norris Junction	39.13	76	IAMB	IAMB	17 27 36.4
YFT	Old Faithful	39.17	76	PcP	PcP	17 29 43.0 +2.0
CWC	Cottonwood Cr	39.20	91	P	P	17 27 32.3 +0.2
BCW	Bitter Crk WRg	39.30	94	IAMB	IAMB	17 27 36.0
GRAC	Grapevine Rang	39.30	90	P	P	17 27 33.9 +1.0
H17A	Grant Village	39.36	76	PcP	PcP	17 29 42.5 +0.9
H17A	Grant Village	39.36	76	P	P	17 27 33.6 -0.0
IMW	Indian Meadow	39.40	77	IAMB	IAMB	17 27 38.0
HVU	Hansel Valley	39.40	81	PcP	PcP	17 29 42.1 +0.4
ISA	Isabella, Lake	39.43	93	P	P	17 27 34.4 +0.3
ISA	Isabella, Lake	39.43	93	P	P	17 27 34.3 +0.3
MJAR	Matsushiro Arr	39.48	269	P	P	17 27 34.1 -0.2
FXWY	Fox Creek	39.48	77	IAMB	IAMB	17 27 41.1
MOOW	Moose Ponds	39.59	77	IAMB	IAMB	17 27 39.7
R11B	Troy Canyon, C	39.61	87	P	P	17 27 36.2 +0.6
Q12A	Willow Creek R	39.68	86	IAMB	IAMB	17 27 42.5
RLMT	Red Lodge	39.78	74	P	P	17 27 37.6 +0.6
MPMC	Manual SPR=5.7	39.81	91	P	P	17 27 38.1 +0.8
AHID	Auburn Hatcher	39.90	78	IAMB	IAMB	17 27 50.9
OSI	Osito Audit: C	39.95	94	P	P	17 27 39.3 +1.0
FURC	Furnace Creek	39.95	90	P	P	17 27 39.3 +1.2
TPNV	Topopah Spring	40.04	89	IAMB	IAMB	17 27 41.0
TPNV	Topopah Spring	40.04	89	P	P	17 27 40.5 +1.4
LRMC	Laurel Mtn Rad	40.05	92	P	P	17 27 40.0 +0.8
GDWY	Edwards Air Fo	40.23	93	P	P	17 27 41.6 +0.9
EWY2	Greenwater Val	40.24	91	P	P	17 27 40.1 -0.8
MDJ	Mudanjiang	40.26	285	pmx	pmx	17 27 41.5 +0.8
MDJ	comp-Z, 6.0nm, 1.2s			pmx	pmx	
DUG	Dugway, Toeel	40.27	83	P	P	17 27 42.5 +1.5
GSC	Goldstone, Bar	40.72	92	IAMB	IAMB	17 27 47.0
GSC	Goldstone, Bar	40.72	92	P	P	17 27 45.4 +0.7
BW06	Boulder Array	40.85	77	P	P	17 27 45.4 -0.6
BW06	Boulder Array	40.85	77	IAMB	IAMB	17 27 47.7
BW06	Boulder Array	40.85	77	P	P	17 27 46.5 +0.6
PD31	Pinedale Array	40.85	77	P	P	17 27 46.4 +0.4
PD31	Pinedale Array	40.85	77	IAMB	IAMB	17 27 47.7
PDAR	Pinedale Array	40.85	77	P	P	17 27 46.5 +0.6
PDAR	comp-Z, 2.4nm, 1.8.3s, baz=343, slow=32			LR	LR	17 41 49.3
BFSC	Mount Baldy Ra	40.86	94	P	P	17 27 47.5 +1.6
CIS	Catalina Islan	40.93	95	P	P	17 27 47.4 +1.0
BNX	BinXian	41.00	288	IP	IP	17 27 46.1 -0.6
BNX	comp-Z, 9.0nm, 0.8s			pmx	pmx	
BNX	comp-Z, 380nm, 4.6s			pmx	pmx	
DGMT	Dagmar	41.12	67	P	P	17 27 48.4 +0.6
DGMT	Dagmar	41.12	67	IAMB	IAMB	17 27 51.3
DGMT	Dagmar	41.12	67	P	P	17 27 48.1 +0.3
TUQ	Turquoise Moun	41.19	91	P	P	17 27 49.6 +1.0
BBRC	Big Bear Solar	41.31	93	P	P	17 27 50.7 +0.9
HEC	Hector/Ludlow	41.31	92	P	P	17 27 50.4 +0.8
ELS	Elsinore Mount	41.39	94	P	P	17 27 50.2 0.0
ELS	Elsinore Mount	41.39	94	IAMB	IAMB	17 27 51.8
MURC	Murieta	41.57	94	P	P	17 27 52.8 +1.2
V12A	Nelson	41.68	90	P	P	17 27 52.5 -0.1
V12A	comp-Z, 1.1nm, 1.2s			IAMB	IAMB	

GMRC	Granite Mounta	41.77	91	P	P	17 27 54.0 +0.7
PFO	Pinyon Flats 0	42.02	93	P	P	17 27 53.9 -1.5
PFO	comp-Z, 9.1nm, 1.0s			IAMB	IAMB	17 27 57.5
PFO	Pinyon Flats 0	42.02	93	P	P	17 27 55.4 -0.1
TPFO	Pinon Flats	42.03	93	P	P	17 27 55.5 0.0
Q16A	Castle Valley	42.05	83	IAMB	IAMB	17 27 58.1
BELC	Belle Mtn. Jos	42.06	93	P	P	17 27 55.9 +0.1
RDMU	Red Mountain	42.08	80	IAMB	IAMB	17 28 00.6
109C	Camp Elliot, M	42.09	95	P	P	17 27 57.0 +1.1
IRM	Iron Mountain	42.50	92	P	P	17 27 59.5 +0.3
BAR	Barrett	42.50	95	IAMB	IAMB	17 28 01.4
MONP	Monument Peak	42.52	94	P	P	17 28 00.7 +1.1
BC3	Big Chuckawall	42.63	93	P	P	17 28 00.7 +0.4
CBX	Cerro Bola	42.75	95	IAMB	IAMB	17 28 03.8
K22A	Casper	42.78	76	P	P	17 28 01.0 -0.6
IKP	In-Ko-Pah, Jac	42.88	94	P	P	17 28 03.1 +0.8
SWSC	San W Stewart	42.88	94	P	P	17 28 03.1 +0.9
HMU	Henry Mountain	42.91	84	IAMB	IAMB	17 28 07.5
PDMC1	Parker Dam, Lak	43.04	91	P	P	17 28 04.2 +0.7
O20A	White River Ci	43.16	80	IAMB	IAMB	17 28 06.3
O20A	White River Ci	43.16	80	P	P	17 28 07.0 0.0
RSSD	Black Hills	43.28	72	P	P	17 28 04.3 +0.1
HIA	Hailar	43.67	297	IAMB	IAMB	17 28 19.4
Y14A	Wienberg	43.99	90	IAMB	IAMB	17 28 13.1
WUAZ	Wupatki	44.01	87	IAMB	IAMB	17 28 13.7
WUAZ	Wupatki	44.01	87	P	P	17 28 12.0 +0.4
MDND	Maddock	44.09	66	P	P	17 28 12.2 +0.2
N23A	Red Feather La	44.14	77	P	P	17 28 12.4 -0.3
MVCO	Mesa Verde	44.76	83	IAMB	IAMB	17 28 21.2
MVCO	Mesa Verde	44.76	83	P	P	17 28 17.5 -0.1
ULM	Lac du Bonnet	44.95	61	IAMB	IAMB	17 28 19.5
ULM	Lac du Bonnet	44.95	61	P	P	17 28 18.5 -0.2
ISCO	Idaho Springs	44.99	78	P	P	17 28 19.1 -0.4
KSRS	Korea Array	45.39	278	P	P	17 28 22.5 +0.2
214A	Organ Pipe Nat	45.42	92	IAMB	IAMB	17 28 24.5
214A	Organ Pipe Nat	45.42	92	P	P	17 28 23.6 +0.9
S22A	4UR Ranch, Cre	45.47	82	IAMB	IAMB	17 28 25.8
S22A	4UR Ranch, Cre	45.47	82	P	P	17 28 23.6 +0.2
AGM	Agassiz Nation	45.98	63	P	P	17 28 26.1 -0.8
SDCO	Great Sand Dun	46.30	81	IAMB	IAMB	17 28 31.8
SDCO	Great Sand Dun	46.30	81	P	P	17 28 30.6 +0.7
NEM	North Greenlan	46.36	15	iP	iP	17 28 31.6 +2.0
TUC	Tucson	46.43	90	IAMB	IAMB	17 28 31.0 +0.1
NOR	Nord	46.82	5	iP	iP	17 28 34.5 +1.5
KSCO	Kaye Shedlock	47.31	77	P	P	17 28 45.7 +0.1
T25A	Trinidad	47.36	81	P	P	17 28 38.8 +0.7
ANMO	Albuquerque	47.47	84	P	P	17 28 38.0 -1.0
ANMO	Albuquerque	47.47	84	P	P	17 28 39.0 0.0
ANMO	Albuquerque	47.47	84	P	P	17 28 39.4 +0.5
ANMO	comp-Z, 4.8nm, 1.1s, baz=14, slow=12, SNR=6.1			LR	LR	17 46 53.5
ECSD	EROS Data Cent	48.11	69	IAMB	IAMB	17 28 47.9
ECSD	EROS Data Cent	48.11	69	P	P	17 28 43.2 -0.4
121A	Cookes Peak, D	48.21	88	IAMB	IAMB	17 28 46.0
121A	Cookes Peak, D	48.21	88	P	P	17 28 45.8 +1.1
EYMN	Ely	48.62	61	P	P	17 28 47.2 -0.2
RTBA	Rita Blanca	48.84	80	IAMB	IAMB	17 28 50.8
CBKS	Cedar Bluff	49.20	76	P	P	17 28 52.1 0.0
MNTX	Cornudas Mount	50.28	87	IAMB	IAMB	17 29 02.0
MNTX	Cornudas Mount	50.28	87	P	P	17 29 01.4 +1.1
KBS	Kingsbay	50.30	360	eP	eP	17 29 01.1 +1.3
MSTX	Muleshoe	50.41	83	P	P	17 29 02.1 +0.7
AMTX	Amarillo	50.50	81	P	P	17 29 02.1 0.0
SPA0	Spitsbergen Ar	51.00	358	eP	eP	17 29 06.4 +1.3
SPITS	Spitsbergen Ar	51.00	358	P	P	17 29 06.4 +1.3
SPITS	comp-Z, 1.4nm, 0.4s, baz=38, slow=7.3, SNR=8.0			LR	LR	17 52 21.5
DAG	Danmarks Havn	51.14	8	iP	iP	17 29 07.0 +0.8
DAG	comp-Z, 7.5nm, 0.7s			IAMB	IAMB	17 29 18.7
425A	Indio Mountain	51.15	87	IAMB	IAMB	17 29 08.8
ULN	Ulanbaatar	51.46	301	P	P	17 29 09.2 -0.1
ULN	Ulanbaatar	51.46	301	IAMB	IAMB	17 29 20.4
DKNS	Dickens	51.77	82	IAMB	IAMB	17 29 12.7
POST	Post	51.81	83	IAMB	IAMB	17 29 12.8
SONM	Songino Array	51.84	302	P	P	17 29 12.5 +0.6
SONM	comp-Z, 2.5nm, 0.7s, baz=47, slow=7.3, SNR=14			PcP	PcP	17 30 25.0 +0.3
SONM	comp-Z, 2.6nm, 0.9s, baz=39, slow=4.1, SNR=4.6			LR	LR	17 52 52.5
SUMG	Summit	52.11	17	P	P	17 29 13.2 -0.8
SUMG	Summit	52.11	17	iP	iP	17 29 11.4 -2.6
SUMG	Summit	52.11	17	IAMB	IAMB	17 29 26.5
MNHN	Monks	52.17	85	IAMB	IAMB	17 29 15.4
ALPN	Alpine	52.27	87	IAMB	IAMB	17 29 16.4
GUMO	Guam	52.30	241	LR	LR	17 45 49.9
WMOK	Wichita Mounta	52.40	79	IAMB	IAMB	17 29 17.3
WMOK	Wichita Mounta	52.40	79	P	P	17 29 16.7 +0.5

APMT	Aspermont	52.50	81	IAMB	IAMB	17 29 17.8
SGCY	Stirling City	52.81	83	IAMB	IAMB	17 29 20.1
TX32	Lajitas Array	52.97	88	IAMB	IAMB	17 29 21.8
TXAR	Lajitas Array	52.97	88	P	P	17 29 20.8 +0.2
TXAR	comp-Z, 8.6nm, 0.7s, baz=301, slow=5.8, SNR=84			PcP	PcP	17 30 29.2 0.0
HHC	Hu-ho-hao-te	53.24	292	eP	eP	17 29 22.3 -0.1
HHC	comp-Z, 3.1nm, 0.7s			pmx	pmx	
HHC	comp-Z, 360nm, 4.8s			pmx	pmx	
ABTX	Abilene, Hawle	53.26	82	P	P	17 29 22.9 +0.3
W35A	Tecumseh	53.30	77	IAMB	IAMB	17 29 24.8
TUL3	Leonard	53.47	76	P	P	17

15d 18h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Makanchi Array, Borovoye Array, Dombas, etc.

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

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KMA 15:17:37.42, H01W2 Cape Leeuwin, etc.

Table with columns: STA, Name, Time, Az, El, Res, and various codes. Includes stations like Lake Taylor, Charters Tower, CTAO, etc.

Table with columns: MAW, Name, Time, Az, El, Res, and various codes. Includes stations like Mawson, BinXian, Chiang Mai Arr, etc.

Table with columns: GRB, Name, Time, Az, El, Res, and various codes. Includes stations like Gharib, Abu Rudays, Zenema, etc.

HLW 15 18:41:12.1, 27.48N, 34.01E, h15km, 4km, Md3.2, M13.7
GII 15 18:41:12.0, 0.0, 27.62N, 34.11E, h1km, MD3.3/3, Mm3.4/3
ISC 15 18:41:11.0, 0.2, 27.47N, 34.00E, 0.06, h13km, 20km, n25, 0.63/33, SD, Red Sea

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Table with columns for station name, frequency, power, and other technical details. Includes stations like URKR, DRN, ASTR, ASFA, and many others.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like DLMR, GUDG, AKH, KARS, and many others.

15d 19h

Table with columns for station name, frequency, power, and other technical details. Includes stations like CMRD, KARA, TABS, KAMT, and many others.

BRZS	comp=Z,83nm,0.7s,baz=238,slow=22,SNR=7.1	20.39	53	eP	P	19 52 37.9	-0.8
BRZS	Berezinski	20.39	53	eP	P	19 52 37.8	-0.8
DIVS	Divibare	20.50	290	eP	P	19 52 35.7	-4.2
DIVS	Divibare	20.50	290	eP	P	19 52 40.8	+0.9
STHS	Stebnicka Huta	20.50	305	eP	P	19 52 39.8	0.0
STHS	Stebnicka Huta	20.50	305	eP	P	19 52 39.8	0.0
LKD2	comp=Z,28nm,0.8s,baz=212	20.50	275	P	P	19 52 40.8	+0.9
LKD2	Lefkada island	20.50	275	P	P	19 52 40.8	+0.9
SKES	comp=Z,220nm,0.9s,SNR=11	20.50	288	eP	P	19 52 40.7	+0.7
SKES	Sjenica	20.50	288	eP	P	19 52 40.7	+0.7
ARLS	Aral	20.51	76	P	P	19 52 41.0	+0.8
USP	Ospenovka	20.58	72	P	P	19 52 40.1	-0.7
AAK	Ala-Archa	20.59	74	P	P	19 52 42.1	+1.1
AAK	Ala-Archa	20.59	74	Pn	IAMB	19 52 41.5	+0.5
AAK	Ala-Archa	20.59	74	P	P	19 52 42.1	+1.1
AAK	Ala-Archa	20.59	74	P	P	19 52 42.2	+1.1
AAK	Ala-Archa	20.59	74	P	P	19 52 42.2	+1.1
AAK	Ala-Archa	20.59	74	P	P	19 52 42.2	+1.1
AAK	Ala-Archa	20.59	74	P	P	19 52 41.7	+0.7
AAK	Ala-Archa	20.59	74	P	P	19 52 41.7	+0.7
IGT	comp=Z,3um,18.5s,baz=282,slow=42,SNR=56	20.60	277	P	P	19 52 38.1	-2.8
IGT	Igoumenitsa	20.60	277	P	P	19 52 38.1	-2.8
IGT	Igoumenitsa	20.60	277	P	P	19 52 48.0	-0.2
IGT	Igoumenitsa	20.60	277	P	P	19 52 41.3	+0.4
SGDS	Sogindya	20.67	72	iP	P	19 52 41.3	-0.6
SGDS	Sogindya	20.67	72	iP	P	19 52 41.2	-0.6
FRGS	Fruska Gora	20.68	293	iP	Pn	19 52 43.1	-1.0
FRGS	Fruska Gora	20.68	293	iP	Pn	19 52 42.1	+0.3
FRU1	Bishkek	20.69	74	P	P	19 52 42.8	+0.9
FRU1	Bishkek	20.69	74	P	P	19 52 42.8	+0.9
TIR	Tirane	20.69	282	iP	Pn	19 52 43.7	-0.7
TIR	Tirane	20.69	282	iP	Pn	19 52 43.6	-0.8
KECS	Kecevo	20.73	302	eP	Pn	19 52 43.6	-1.2
KECS	Kecevo	20.73	302	eP	Pn	19 52 43.6	-1.2
ISAL	Salakas	20.75	325	eP	P	19 52 43.1	+0.7
CHMS	Chumysh	20.77	73	P	P	19 52 43.6	+0.8
JLN	Jalan Bani Buh	20.77	146	P	P	19 52 42.9	0.0
JLN	Jalan Bani Buh	20.77	146	P	P	19 52 42.9	0.0
IZAR	Zarasat	20.81	325	eP	P	19 52 43.7	+0.7
TEKS	Tekeris	20.84	291	eP	P	19 52 44.0	+0.5
BBLs	Lazići	20.91	289	eP	P	19 52 45.5	+1.1
KBK	Karagaybulak	20.93	74	P	P	19 52 45.4	+0.7
RUDO	Rudo	20.94	289	eP	P	19 52 44.6	0.0
KEK	Kerkira	20.97	278	eP	Pn	19 52 38.1	+1.0
KEK	Kerkira	20.97	278	eP	Pn	19 52 44.9	0.0
PSZ	Piszkesteto	21.00	301	iP	P	19 52 46.4	+1.2
PSZ	Piszkesteto	21.00	301	iP	P	19 52 46.4	+1.2
PDG	Podgorica	21.06	285	iP	P	19 52 47.4	+1.6
PDG	Podgorica	21.06	285	iP	P	19 52 46.4	+0.5
PDG	Podgorica	21.06	285	eP	P	19 52 46.4	+0.5
VLO	Vlora	21.08	280	IAMB	IAMB	19 53 00.5	
VLO	Vlora	21.08	280	P	P	19 52 47.3	+1.2
NIE	Niedzica	21.09	305	eP	P	19 52 48.6	+2.4
NIE	Niedzica	21.09	305	eP	P	19 52 48.5	+2.4
DRME	Dracevica, Mon	21.13	285	eP	P	19 52 46.5	-0.1
KLMR	Klimovskoe	21.22	350	iP	P	19 52 45.7	-1.7
KLMR	Klimovskoe	21.22	350	iP	P	19 52 45.7	-1.7
KLMR	Klimovskoe	21.22	350	iP	P	19 52 45.7	-1.7
KLMR	Klimovskoe	21.22	350	iP	P	19 52 47.0	
KLMR	Klimovskoe	21.22	350	iP	P	19 56 40.8	-0.9
KLMR	Klimovskoe	21.22	350	iP	P	19 56 40.8	-0.9
KLMR	Klimovskoe	21.22	350	iP	P	19 59 38.1	
KLMR	Klimovskoe	21.22	350	iP	P	19 59 38.1	
KLMR	Klimovskoe	21.22	350	iP	P	20 00 42.1	
KLMR	Klimovskoe	21.22	350	iP	P	20 02 44.3	
KLMR	Klimovskoe	21.22	350	iP	P	19 52 45.7	-1.7
KLMR	Klimovskoe	21.22	350	iP	P	19 56 40.8	-0.9
MHTO	MHTO	21.25	151	P	P	19 52 47.5	-0.6
MHTO	MHTO	21.25	151	P	P	19 52 47.5	-0.6
MHTO	MHTO	21.25	151	P	P	19 52 47.5	-0.6
MHTO	MHTO	21.25	151	P	P	19 52 47.5	-0.6
MHTO	MHTO	21.25	151	P	P	19 56 39.4	-3.5
MHTO	MHTO	21.25	151	P	P	19 56 39.4	-3.5
MHTO	MHTO	21.25	151	P	P	19 56 39.4	-3.5
MHTO	MHTO	21.25	151	P	P	19 56 39.4	-3.5
SUW	Suwalki	21.26	319	eP	P	19 52 47.3	-0.6
SUW	Suwalki	21.26	319	eP	P	19 52 47.5	-0.3
SUW	Suwalki	21.26	319	eP	P	19 52 47.2	-0.6
SUW	Suwalki	21.26	319	eP	P	19 52 47.2	-0.6
UPM	Unac-Piva	21.28	287	eP	P	19 52 49.1	+0.6
TKM2	Tokmak 2	21.39	73	iP	P	19 52 50.1	+0.4
TKM2	Tokmak 2	21.39	73	iP	P	19 52 49.6	-0.2
TKM2	Tokmak 2	21.39	73	iP	P	19 52 49.6	-0.2
TKM2	Tokmak 2	21.39	73	iP	P	19 52 49.5	-0.2
PRGR	Permogore	21.49	358	eP	P	19 52 48.5	-1.7
PRGR	Permogore	21.49	358	eP	P	19 56 40.8	-0.9
BUD	Budapest	21.50	299	P	P	19 52 52.3	+1.8
BUD	Budapest	21.50	299	P	P	19 52 52.3	+1.8
LANS	Liptovska Anna	21.55	304	eP	P	19 52 52.1	+1.0
LANS	Liptovska Anna	21.55	304	eP	P	19 52 52.1	+1.0
BRY	Bratogost	21.56	287	eP	P	19 52 49.5	-1.9
BEL	Belsk	21.58	311	P	P	19 52 51.7	+0.3
BEL	Belsk	21.58	311	P	P	19 52 51.7	+0.3
MORH	Mirgy, Hungar	21.59	296	iP	P	19 52 52.9	+1.4
HCV	Herceg Novi	21.62	285	eP	P	19 52 50.6	-1.3
OJC	Ojcow	21.63	307	P	P	19 52 51.1	+0.8
OJC	Ojcow	21.63	307	P	P	19 52 50.4	-1.5
OJC	Ojcow	21.63	307	P	P	19 52 50.4	-1.5
PABE	Paberze	21.69	323	P	P	19 52 51.3	-1.1
PABE	Paberze	21.69	323	P	P	19 52 51.3	-1.1
TREB	Trebilne	21.71	286	eP	P	19 52 51.9	-0.6
NIL	Nilore	21.80	99	P	P	19 52 53.0	-0.9
NIL	Nilore	21.80	99	P	P	19 52 53.0	-0.9
NIL	Nilore	21.80	99	P	P	19 52 53.0	-0.9
YVHS	Yyhne	21.80	302	eP	P	19 52 55.2	+1.4

YVHS	Yyhne	21.80	302	eP	P	19 56 54.1	
YVHS	Yyhne	21.80	302	eP	P	19 52 55.2	+1.4
YVHS	Yyhne	21.80	302	eP	P	19 56 54.1	
NRN	comp=Z,562nm,2.4s	21.81	77	IAMB	IAMB	19 53 10.2	
ULHL	Ulahol	21.91	75	P	P	19 52 57.4	+2.2
KUU	Kuryt	21.91	71	eP	P	19 52 54.7	-0.3
KUU	Kuryt	21.91	71	eP	P	19 52 54.7	-0.3
KUU	Kuryt	21.91	71	eP	P	19 56 57.1	+1.4
KUU	Kuryt	21.91	71	eP	P	19 52 57.4	+2.2
VSDV	Vaisvydziai	21.98	324	eP	P	19 52 55.4	-0.2
SRO	Srobarova	22.02	300	eP	P	19 52 58.4	+2.2
SRO	Srobarova	22.02	300	eP	P	19 52 58.4	+2.2
KSH	Kashi	22.07	82	P	P	19 52 56.3	-1.7
KSH	Kashi	22.07	82	P	P	19 53 00.6	-3.6
KSH	Kashi	22.07	82	P	P	19 53 04.0	-3.6
KSH	Kashi	22.07	82	P	P	19 56 51.9	-7.1
KSH	Kashi	22.07	82	P	P	19 52 56.3	-1.7
KSH	Kashi	22.07	82	P	P	19 53 00.6	-3.6
KSH	Kashi	22.07	82	P	P	19 53 04.0	-3.6
KSH	Kashi	22.07	82	P	P	19 56 51.9	-7.1
KSH	Kashi	22.07	82	P	P	19 52 56.3	-1.7
KSH	Kashi	22.07	82	P	P	19 53 00.6	-3.6
KSH	Kashi	22.07	82	P	P	19 53 04.0	-3.6
KSH	Kashi	22.07	82	P	P	19 56 51.9	-7.1
A252A	Venje	22.08	293	iP	P	19 52 57.4	+0.6
PUL	Pulkovo	22.27	337	eP	P	19 52 58.6	0.0
PUL	Pulkovo	22.27	337	eP	P	19 52 58.6	0.0
PUL	Pulkovo	22.27	337	eP	P	19 52 58.6	0.0
DOK	Doka	22.33	162	P	P	19 52 58.1	-1.5
DOK	Doka	22.33	162	P	P	19 52 58.1	-1.5
DOK	Doka	22.33	162	P	P	19 52 58.1	-1.5
DOK	Doka	22.33	162	P	P	19 52 58.1	-1.5
DOK	Doka	22.33	162	P	P	19 52 58.1	-1.5
AAA	Alma-Ata	22.35	72	eP	P	19 52 60.0	+0.1
AAA	Alma-Ata	22.35	72	eP	P	19 52 60.0	+0.1
AAA	Alma-Ata	22.35	72	eP	P	19 52 60.0	+0.1
TNSS	Tian-Shan	22.38	73	eP	P	19 52 59.9	+0.1
TNSS	Tian-Shan	22.38	73	eP	P	19 52 59.9	+0.1
TNSS	Tian-Shan	22.38	73	eP	P	19 52 59.9	+0.1
TNSS	Tian-Shan	22.38	73	eP	P	19 52 59.9	+0.1
TNSS	Tian-Shan	22.38	73	eP	P	19 52 59.9	+0.1
CHHK	Chushkaly	22.38	71	eP	P	19 53 00.3	+0.2
CHHK	Chushkaly	22.38	71	eP	P	19 53 00.3	+0.2
CHHK	Chushkaly	22.38	71	eP	P	19 53 00.3	+0.2
CHHK	Chushkaly	22.38	71	eP	P	19 53 00.3	

15d 19h

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like AQU, BRG, GUNZ, WERD, etc.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like DAVOX, DAVA, MSF, CLZ, ZSN, etc.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like RCHB, BGES, GIVF, BMRD, etc.

ZAK	Zakamensk	39.88	56	eP	P	19 55 35.9	+0.5
ZAK	comp=Z,36nm,1.7s						
GTA	Gaotai	39.94	74	pP	pP	19 55 36.8	+0.7
GTA	comp=Z,310nm,14.9s					19 55 41.0	-3.0
GTA	comp=Z,360nm,14.4s					19 57 12.5	+1.1
GTA	comp=Z,27nm,1.1s					20 01 42.8	+3.1
GTA	comp=Z,740nm,14.5s						
GTA	comp=Z,870nm,17.5s						
GTA	comp=Z,1µm,14.9s						
SPB2	Spitsbergen Ar	40.11	351	I Amb	I Amb	19 55 38.8	
SPB2	comp=Z,74nm,0.8s						
SPA0	Spitsbergen Ar	40.12	351	eP	P	19 55 37.1	+0.2
SPITS	comp=Z,52nm,0.7s,baz=126,slow=6.6,SNR=22					19 55 37.0	+0.2
PBRG	Braganca	40.17	290	eP	P	19 55 36.8	-1.0
IRK	Irkutsk	40.28	53	eP	P	19 55 46.5	+8.0
IRK	comp=Z,160nm,1.8s						
MVO	Moncorvo	40.56	290	eP	P	19 55 41.2	+0.1
PVRL	Vila Real	41.02	290	eP	P	19 55 42.6	-2.2
POL0	Lamas de Olo	41.05	290	eP	P	19 55 44.8	-0.3
MTE	Manteigas	41.16	289	eP	P	19 55 45.2	-0.8
MTE	comp=Z,49nm,1.5s						
PGAV	Gaveira, Arco	41.16	289	eP	P	19 55 45.2	-0.8
PGAV	comp=Z,75nm,1.3s						
KBS	Kingsbay	41.26	350	eP	P	19 55 46.0	-0.3
KBS	comp=Z,45nm,1.4s					19 55 45.9	-0.3
PCBR	Castelo Branco	41.29	288	eP	P	19 55 46.6	-0.4
PVIS	Viseu	41.32	289	eP	P	19 55 46.6	-0.7
PMRV	Marv??o	41.36	287	eP	P	19 55 47.7	+0.1
JMIC	Jan Mayen	41.50	336	eP	P	19 55 47.6	-0.7
PBAR	Barrancos	41.53	285	eP	P	19 55 48.0	-1.0
PESTR	Estremoz	41.70	287	eP	P	19 55 50.2	-0.2
PESTR	comp=Z,46nm,1.2s						
COI	Coimbra	41.85	289	eP	P	19 55 51.3	-0.3
COI	comp=Z,112nm,1.0s						
COI	Coimbra	41.85	289	eP	P	19 55 51.6	0.0
COI	comp=Z,80nm,0.9s					19 55 53.9	
COI	comp=Z,80nm,0.9s						
IFR	Ifrane	41.88	278	eP	P	19 55 47.9	-4.3
PCAS	Casmillo, Conde	41.97	289	eP	P	19 55 52.8	+0.2
PCAS	comp=Z,55nm,1.6s						
PMTG	Montargil	42.09	287	eP	P	19 55 51.3	-2.3
PMTG	comp=Z,55nm,1.7s						
KMBO	Kilima Mbogo	42.12	195	I AMs_20	I AMs_20	19 55 54.6	+0.3
KMBO	comp=Z,2µm,18.0s					20 14 23.1	
KMBO	Kilima Mbogo	42.12	195	eP	P	19 55 54.6	+0.3
KMBO	comp=Z,11nm,1.5s						
KMBO	Kilima Mbogo	42.12	195	eP	P	19 55 55.1	+0.8
KMBO	comp=Z,3.2nm,0.9s,baz=22,slow=7.2,SNR=7.4					20 14 25.9	
EVO	Evora	42.12	286	eP	P	19 55 53.5	-0.3
EVO	comp=Z,1µm,19.9s,baz=22,slow=38						
EVO	Evora	42.12	286	eP	P	19 55 54.8	-5.5
PVAQ	Vaqueiros	42.30	285	eP	P	19 55 54.9	-0.4
PVAQ	comp=Z,34nm,1.9s						
SOMN	Songto Array	42.33	59	eP	P	19 55 55.7	+0.1
SOMN	comp=Z,6.9nm,0.7s,baz=279,slow=9.3,SNR=44						
SOMN	comp=Z,4.6nm,0.8s,baz=284,slow=4.2,SNR=4.3					19 57 49.0	+0.2
PCVE	Castro Verde	42.46	285	eP	P	19 55 55.6	-1.0
MESJ	Messejana	42.52	285	eP	P	19 55 55.6	-1.5
PACT	Alcochete	42.64	287	eP	P	19 55 57.1	-0.9
PACT	comp=Z,25nm,2.4s						
PNCL	Nicolau / Gran	42.65	286	eP	P	19 55 56.4	-1.7
PNCL	comp=Z,28nm,1.9s						
ULN	Ulaanbaatar	42.76	59	eP	P	19 55 59.9	+0.8
ULN	comp=Z,112nm,1.2s					19 55 59.9	+0.8
ULN	Ulaanbaatar	42.76	59c	eP	P	19 56 00.0	+0.9
ULN	comp=Z,54nm,0.8s						
ULN	comp=Z,2µm,16.0s						
PMAFR	Mafra	42.91	287	eP	P	19 55 59.6	-0.6
PMAFR	comp=Z,72nm,1.2s						
KIBK	Kibwezi	43.15	193	eP	P	19 56 01.5	-1.0
MBAR	Mbarara	43.29	204	eP	P	19 56 03.5	-0.2
MBAR	comp=Z,3.2nm,0.9s					19 56 02.5	+1.1
MBAR	Mbarara	43.29	204c	eP	P	19 56 06.0	+2.3
MBAR	comp=Z,6.0nm,1.3s						
MBAR	Mbarara	43.29	204	eP	P	20 15 05.9	
MBAR	comp=Z,838nm,18.1s,baz=3.5,slow=38						
LZH	Lanzhou	44.11	76	iP	P	19 56 11.8	+1.6
LZH	comp=Z,11nm,1.5s					19 56 16.8	-1.4
LZH	comp=Z,20.6					19 56 20.6	-0.8
LZH	comp=Z,59.4					19 57 59.4	+4.4
LZH	comp=Z,28nm,1.9s					20 02 44.3	+2.9
LZH	comp=Z,37nm,1.1s						
LZH	comp=Z,280nm,4.0s						
LZH	comp=Z,2µm,15.1s						
LZH	comp=Z,670nm,15.5s						
LZH	comp=Z,2µm,17.0s						
PALK	Pallekele	44.41	128	eP	P	20 19 10.0	
PALK	comp=Z,305nm,18.1s,baz=75,slow=42						
TIO	Tioune	44.64	276	eP	P	19 56 13.3	-1.1
TNCH	TengChong	45.20	93	iP	P	19 56 18.8	-0.2
TNCH	comp=Z,35nm,0.9s					20 02 53.6	-3.9
TNCH	comp=Z,200nm,3.9s					20 06 07.9	-6.5
TNCH	comp=Z,170nm,14.3s						
TNCH	comp=Z,220nm,16.5s						
TNCH	comp=Z,400nm,18.3s						
BOD	Bodaibo	45.22	44	eP	P	19 56 18.0	-0.4
BOD	comp=Z,114nm,1.5s						
DBG	Daneborg	45.67	339	iP	P	19 56 22.7	+0.9
DBG	comp=Z,16nm,0.8s					19 56 24.4	
DAG	Danmarks Havn	45.75	343	eP	P	19 56 22.9	+0.5
DAG	comp=Z,46nm,0.8s						
DAG	Danmarks Havn	45.75	343	iP	P	19 56 22.0	-0.4
DAG	comp=Z,21nm,0.7s					19 56 24.1	
SCO	Scoresbysund	45.80	334	eP	P	19 56 22.7	-0.1
SCO	comp=Z,46nm,1.0s					19 56 25.9	
SCO	Scoresbysund	45.80	334	eP	P	19 56 22.7	-0.1
SCO	comp=Z,46nm,1.0s						
SCO	Scoresbysund	45.80	334	iP	P	19 56 24.0	+1.2
SCO	comp=Z,20nm,0.8s					19 56 26.2	
CD2	Chengdu	46.27	83	eP	P	19 56 28.3	+1.1
CD2	comp=Z,25nm,2.4s					19 58 14.8	-1.1
CD2	comp=Z,11.6					20 03 11.6	-0.9
CD2	comp=Z,27.3					20 06 27.3	+6.4

CD2	comp=Z,20nm,0.7s						
CD2	comp=Z,240nm,5.1s						
CD2	comp=Z,310nm,14.9s						
CD2	comp=Z,360nm,14.4s						
CD2	comp=Z,200nm,10.7s						
NOR	Nord	46.72	350	eP	P	19 56 29.8	-0.2
NOR	comp=Z,30nm,1.2s						
NOR	Nord	46.72	350	iP	P	19 56 29.6	-0.4
NOR	comp=Z,11nm,0.8s					19 56 31.9	
PZH	PanZhihua	46.89	90	eP	P	19 56 32.1	-0.1
PZH	comp=Z,20nm,1.0s					20 03 22.6	+1.0
PZH	comp=Z,90nm,5.1s						
PZH	comp=Z,360nm,18.6s						
PZH	comp=Z,260nm,19.1s						
PZH	comp=Z,360nm,21.1s						
BTO	Baotou	46.92	68	eP	P	19 56 31.8	-0.5
BTO	comp=Z,450nm,4.7s					19 56 39.3	-1.0
BTO	comp=Z,1µm,14.8s					19 56 42.5	-1.0
BTO	comp=Z,890nm,11.7s					19 58 21.3	-1.3
BTO	comp=Z,1µm,16.6s					20 03 19.0	-2.7
BTO	comp=Z,1µm,15.3s					20 03 31.3	+0.2
BTO	comp=Z,140nm,0.8s					20 06 37.3	-1.1
BTO	comp=Z,450nm,4.7s						
BTO	comp=Z,1µm,14.8s						
BTO	comp=Z,890nm,11.7s						
BTO	comp=Z,1µm,16.6s						
HHC	Hu-ho-hao-te	47.92	67	eP	P	19 56 40.8	+0.7
HHC	comp=Z,54nm,0.9s					19 56 50.9	-0.5
HHC	comp=Z,470nm,3.5s					19 58 30.9	-1.0
HHC	comp=Z,1µm,15.3s					20 03 38.8	+2.9
HHC	comp=Z,900nm,17.7s						
TOAO	Torodi Ar. Sit	48.06	249	eP	P	19 56 38.5	-2.7
TOAO	comp=Z,2µm,14.3s					19 56 40.0	-1.2
TOAO	Torodi Ar. Be	48.06	249	eP	P	19 56 39.0	-2.2
TORD	Torodi Ar. Be	48.06	249	eP	P	19 56 39.5	-1.8
TORD	comp=Z,5.8nm,1.0s,baz=50,slow=8.7,SNR=19					20 21 28.3	
TORD	comp=Z,402nm,18.1s,baz=43,slow=42						
KMI	Kunming	48.38	90	iP	P	19 56 44.3	+0.4
KMI	comp=Z,350nm,17.6s					19 56 53.5	+1.4
KMI	comp=Z,420nm,18.4s					19 56 59.4	+4.2
KMI	comp=Z,39nm,0.8s					20 03 44.3	+1.3
KMI	comp=Z,350nm,17.6s					20 04 03.5	+7.1
KMI	comp=Z,420nm,18.4s						
XAN	Xian	48.75	77	iP	P	19 56 46.4	0.0
XAN	comp=Z,480nm,16.4s					19 58 41.9	+2.4
XAN	comp=Z,66nm,0.9s					20 03 49.0	+1.4
XAN	comp=Z,280nm,3.7s						
XAN	comp=Z,650nm,11.2s						
XAN	comp=Z,1µm,16.9s						
XAN	comp=Z,1µm,17.5s						
CHTO	Chiang Mai	49.07	100	eP	P	19 56 45.4	-3.

Table with columns: Station Name, Elevation, Frequency, Mode, and Signal. Includes stations like Kul'dur, Lusaka, Ussuriysk Arra, etc.

Table with columns: Station Name, Elevation, Frequency, Mode, and Signal. Includes stations like Malcolm River, Toolik Lake Re, Arctic Creek, etc.

Table with columns: Station Name, Elevation, Frequency, Mode, and Signal. Includes stations like Steamboat Moun, Galena City Sc, Whitestone, etc.

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E63A	baz=344,SNR=47 Oxbow	76.39 320	P	P	19 59 51.0 +0.2
E63A	baz=45,SNR=7.4				
DHY	baz=45,SNR=7.4 Denali Highway	76.41 7	I Amb	I Amb	19 59 52.3
DHY	comp=Z,42nm,1.1s Denali Highway	76.41 7	P	P	19 59 50.3 -0.4
L19K	baz=348,SNR=23 White Mountain	76.42 10	P	P	19 59 50.6 -0.1
LMQ	baz=343,SNR=32 La Malbaie	76.51 322	I Amb	I Amb	19 59 53.5
MAYO	comp=Z,43nm,0.9s Mayo, Yukon	76.52 1	P	P	19 59 51.3 +0.1
WAT1	baz=358 Susitna Watana	76.54 7	P	P	19 59 50.6 -0.8
YKA	baz=348 Yellowknife Ar	76.61 351	ceP	pmax	19 59 52.2 +0.5
YKA	comp=Z,18nm,0.9s Yellowknife Ar	76.61 351	P	P	19 59 52.0 +0.3
YKA	comp=Z,17nm,0.8s,baz=6.8,slow=6.3,SNR=23				
M14K	baz=337,SNR=11 Bethel	76.61 14	P	P	19 59 52.0 +0.4
WRGLV	baz=337,SNR=11 Wrigley	76.64 356	P	P	19 59 51.7 -0.1
M13K	baz=337,SNR=5.9 Dall Lake	76.66 15	P	P	19 59 51.9 -0.1
PAX	baz=336 Paxson	76.68 6	P	P	19 59 52.5 +0.3
F64A	baz=350,SNR=17 Sherman	76.75 320	P	P	19 59 52.0 -0.7
F64A	comp=Z,32nm,0.9s				
F64A	baz=45,SNR=6.1	76.75 320	P	P	19 59 53.4 +0.6
F64A					
M19K	baz=45,SNR=6.1 Big River Lodg	76.75 10	I Amb	I Amb	19 59 55.5
M19K	comp=Z,83nm,1.3s Big River Lodg	76.75 10	P	P	19 59 52.9 +0.4
L26K	baz=343 Log Cabin Wild	76.77 5	I Amb	I Amb	20 00 03.5
L26K	comp=Z,27nm,0.8s Log Cabin Wild	76.77 5	P	P	19 59 53.3 +0.6
CUT	baz=352,SNR=16 Chulitna	76.78 8	I Amb	I Amb	19 59 53.9
CUT	comp=Z,80nm,1.0s				
M17K	baz=348,SNR=10 Holitna River	76.78 8	P	P	19 59 52.3 -0.3
M17K	baz=341	76.79 12	P	P	19 59 53.1 +0.4
E62A	baz=348,SNR=10 Clayton Lake	76.79 321	I Amb	I Amb	19 59 54.9
E62A	comp=Z,49nm,0.8s				
E62A	baz=44,SNR=10	76.79 321	P	P	19 59 52.9 -0.1
E62A					
L27K	baz=44,SNR=10 Beaver Creek	76.83 4	I Amb	I Amb	19 59 55.6
L27K	comp=Z,58nm,1.1s				
L27K	baz=353 Beaver Creek	76.83 4	P	P	19 59 53.8 +0.8
MENT	baz=353 Mentasta	76.84 5	I Amb	I Amb	19 59 55.6
MENT	comp=Z,70nm,1.0s				
WAT6	baz=348,SNR=37 Susitna Watana	76.86 7	P	P	19 59 52.8 -0.5
M16K	baz=340,SNR=20 Timber Creek	76.90 13	P	P	19 59 54.1 +0.7
M15K	baz=340,SNR=20 Kasigluk River	76.90 14	P	P	19 59 53.5 +0.2
M20K	baz=338 Styx River	76.94 10	I Amb	I Amb	19 59 56.7
M20K	comp=Z,51nm,1.0s				
M20K	comp=Z,684nm,20.0s				
M20K	baz=344 Styx River	76.94 10	P	P	19 59 53.4 -0.3
M18K	baz=342,SNR=16 Stony River	76.95 11	P	P	19 59 54.3 +0.7
L29M	baz=342,SNR=16 L29M	76.95 2	I Amb	I Amb	19 59 56.1
L29M	comp=Z,79nm,1.6s				
L29M	baz=356,SNR=14.2s	76.95 2	P	P	19 59 54.2 +0.5
SKT	baz=356,SNR=14.2s Skwentna	77.05 9	I Amb	I Amb	19 59 56.6
SKT	comp=Z,57nm,0.9s				
SKT	baz=345,SNR=33 Skwentna	77.05 9	P	P	19 59 53.9 -0.3
F63A	baz=345,SNR=33 Nahmakanta, Br	77.23 320	P	P	19 59 56.6 +1.1
F63A	baz=44				
HARP	baz=44 HAARP	77.27 6	P	P	19 59 55.6 +0.2
SWV2	baz=350,SNR=13 Sparrevohn	77.36 11	I Amb	I Amb	19 59 58.7
M26K	comp=Z,53nm,1.1s Nabesna, AK	77.42 5	I Amb	I Amb	19 59 58.9
M26K	comp=Z,47nm,1.1s				
M26K	baz=352,SNR=26 Nabesna, AK	77.42 5	P	P	19 59 57.0 +0.7
M22K	baz=346,SNR=26 Willow	77.43 8	P	P	19 59 56.6 +0.3
N14K	baz=346,SNR=26 Kuskokwak Cree	77.43 14	P	P	19 59 56.8 +0.4
N16K	baz=338 Nishlik Lake	77.44 13	P	P	19 59 57.4 +1.0
M24K	baz=340 Tolsona, Glenn	77.47 6	P	P	19 59 56.9 +0.2
N15K	baz=350,SNR=29 Kwethluk River	77.50 14	I Amb	I Amb	19 59 59.7
N15K	comp=Z,66nm,1.2s				
N15K	baz=339,SNR=6.5 Kwethluk River	77.50 14	P	P	19 59 57.1 +0.3
F62A	baz=339,SNR=6.5 Pittston Farm,	77.52 320	P	P	19 59 57.7 +0.6
F62A	baz=44				
F62A					
M30M	baz=44 Minto, Yukon	77.52 2	P	P	19 59 57.3 +0.4
MMPY	baz=357,SNR=16 Sheldon Lake,	77.52 359	I Amb	I Amb	19 59 59.9
MMPY	comp=Z,44nm,1.2s				
MMPY	baz=44,SNR=16 Sheldon Lake,	77.52 359	P	P	19 59 57.7 +0.8
BVCY	baz=1.1,SNR=12.5 Beaver Creek	77.53 4	P	P	19 59 57.6 +0.7
M27K	baz=354,SNR=7 Edge Creek, AK	77.53 4	I Amb	I Amb	19 59 59.9
M27K	comp=Z,67nm,1.1s				
M27K	baz=354,SNR=7 Edge Creek, AK	77.53 4	P	P	19 59 57.6 +0.6
SML	baz=353,SNR=24 Sawmill	77.57 7	P	P	19 59 57.7 -0.5
M29M	baz=348,SNR=20 Somme Creek	77.60 3	P	P	19 59 57.9 +0.5
SCM	baz=356 Sheep Creek Mo	77.64 7	P	P	19 59 57.5 -0.1
M23K	baz=349,SNR=22 Glacier View	77.64 7	P	P	19 59 57.9 +0.3
PKME	baz=348,SNR=13 Peaks-Kenny Pk	77.64 320	P	P	19 59 58.8 +1.1
PKME	baz=44				
PKME	comp=Z,44nm,1.0s Peaks-Kenny Pk	77.64 320	P	P	19 59 58.7 +0.9
SUA	baz=44 Susitna One	77.64 9	P	P	19 59 57.5 -0.1
N17K	baz=346,SNR=42 Nushagak Hills	77.66 12	I Amb	I Amb	20 00 01.2
N17K	comp=Z,66nm,1.4s				
N17K	baz=346,SNR=42 Nushagak Hills	77.66 12	P	P	19 59 57.4 -0.2
PMR	baz=341,SNR=6.8 Palmer	77.69 8	I Amb	I Amb	20 00 00.4
PMR	comp=Z,74nm,1.0s				
PMR	baz=348,SNR=20 Palmer	77.69 8	P	P	19 59 57.7 -0.1
N18K	baz=347,SNR=23 Kilae Creek	77.71 11	I Amb	I Amb	20 00 00.8
N18K	comp=Z,88nm,1.4s				
N18K	baz=347,SNR=23 Kilae Creek	77.71 11	P	P	19 59 57.8 -0.1
N20K	baz=342 Mount Spurr	77.72 9	P	P	19 59 57.4 -0.6
N19K	baz=345,SNR=17 Bonanza Creek	77.79 11	P	P	19 59 58.3 -0.1
FARO	baz=343 Faro, Yukon	77.92 0	I Amb	I Amb	20 00 01.6
FARO	comp=Z,43nm,1.0s				
FARO	baz=360,SNR=22	77.92 0	P	P	19 59 59.8 +0.7
M31M	baz=343,SNR=13 Drury Creek, Y	77.94 1	I Amb	I Amb	20 00 01.6
M31M	comp=Z,49nm,1.3s				
M31M	baz=343,SNR=13 Drury Creek, Y	77.94 1	P	P	19 59 60.0 +0.8
KNK	baz=359,SNR=18 Knik Glacier	77.94 8	P	P	19 59 59.8 +0.6
N25K	baz=348,SNR=33 Chitina, Valde	78.09 6	P	P	19 59 60.0 -0.2

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RC01	baz=347,SNR=23 Rabbit Creek A	78.12 8	P	P	20 00 00.3 +0.1
O14K	baz=338 Tiguykuivuet M	78.14 14	P	P	20 00 00.4 +0.2
YUK3	baz=354,SNR=29 Moose Creek	78.19 4	P	P	20 00 00.9 0.0
CAPN	baz=346 Captain Cook N	78.27 9	P	P	20 00 01.4 +0.4
G62A	baz=44,SNR=5.3 West of Eustis	78.28 320	P	P	20 00 01.9 +0.5
G62A					
O17K	baz=44,SNR=5.3 Kolliganek Bris	78.39 12	P	P	20 00 01.7 +0.1
O16K	comp=Z,78nm,1.0s Kokwok River B	78.39 13	I Amb	I Amb	20 00 04.2
O16K	comp=Z,78nm,1.4s				
O16K	baz=352,SNR=9.0 Kokwok River B	78.39 13	P	P	20 00 01.9 +0.3
MCARA	baz=352,SNR=9.0 McCarthy VSAT	78.43 5	I Amb	I Amb	20 00 06.9
MCARA	comp=Z,33nm,1.0s				
MCARA	baz=352,SNR=9.0 McCarthy VSAT	78.43 5	P	P	20 00 02.2 +0.3
O15K	baz=389 Ungalithiuk R	78.48 14	P	P	20 00 02.5 +0.3
PWL	comp=Z,78nm,1.0s Port Wells	78.50 8	I Amb	I Amb	20 00 05.0
PWL	comp=Z,78nm,1.4s				
PWL	baz=348,SNR=9.2 Port Wells	78.50 8	P	P	20 00 02.7 +0.4
VRDI	comp=Z,44nm,1.1s Verde Repeater	78.55 5	I Amb	I Amb	20 00 04.8
TGNT	baz=358 Hyland Airport	78.56 358	P	P	20 00 03.2 +0.5
GLI	comp=Z,426nm,20.0s Glacier Island	78.60 7	I AMs_20	I AMs_20	20 36 15.8
GLI	comp=Z,426nm,20.0s				
GLI	baz=352,SNR=9.0 Glacier Island	78.60 7	P	P	20 00 03.6 +0.7
O18K	comp=Z,47nm,1.0s Koktuk Hills	78.60 11	I Amb	I Amb	20 00 05.7
O18K	comp=Z,47nm,1.4s				
O18K	baz=343,SNR=9.4 Koktuk Hills	78.60 11	P	P	20 00 03.1 +0.2
N30M	baz=357,SNR=7.0 Aislik Lake	78.63 2	P	P	20 00 02.9 -0.2
N31M	comp=Z,53nm,1.3s Braeburn, Yuko	78.64 1	I Amb	I Amb	20 00 05.5
N31M	comp=Z,53nm,1.3s				
N31M	baz=358,SNR=7.3 Braeburn, Yuko	78.64 1	P	P	20 00 02.9 -0.2
YUK4	baz=355,SNR=23 Talbot Ar	78.70 3	P	P	20 00 03.5 -0.1
YUK8	baz=355,SNR=23 Steele Glacier	78.71 3	P	P	20 00 03.0 -0.8
O22K	baz=347,SNR=9.1 Cooper Landing	78.72 8	P	P	20 00 03.2 -0.2
BMRM	comp=Z,39nm,1.0s Bremner River	78.73 6	P	P	20 00 03.5 -0.1
O20K	comp=Z,60nm,1.4s Slope Mountain	78.75 10	P	P	20 00 03.9 +0.1
O20K	comp=Z,60nm,1.4s				
O20K	baz=345 Slope Mountain	78.75 10	I Amb	I Amb	20 00 05.2
BARN	comp=Z,33nm,1.0s Barnard Glacie	78.83 4	I Amb	I Amb	20 00 06.8
P16K	comp=Z,60nm,1.4s Nushagak River	78.94 13	P	P	20 00 04.4 -0.3
CTG	baz=341 Chitina Glacier	78.95 4	P	P	20 00 05.2 +0.2
CTGM	comp=Z,81nm,1.2s Chitina Glacie	78.95 4	I Amb	I Amb	20 00 07.5
N32M	baz=341 Quiet Lake	79.00 0	P	P	20 00 05.2 +0.1
P17K	baz=342,SNR=11 Kvichak River	79.04 12	P	P	20 00 06.3 +1.1
P18K	comp=Z,56nm,1.4s Big Mountain,	79.04 11	I Amb	I Amb	20 00 07.2
P18K	comp=Z,56nm,1.4s				
P18K	baz=343 Big Mountain,	79.04 11	P	P	20 00 05.4 0.0
EYAK	comp=Z,30nm,1.2s Cordova Ski Ar	79.05 6	P	P	20 00 06.3 +1.0
CRQE	baz=352,SNR=22 Cordova Ski Ar	79.05 6	P	P	20 00 05.7 +0.2
H62A	baz=43,SNR=5.4 Milan	79.06 320	P	P	20 00 05.8 +0.2
H62A					
H62A	comp=Z,92nm,1.2s Tana Glacier	79.06 5	I Amb	I Amb	20 00 05.7 +0.2
H62A	comp=Z,92nm,1.2s				
LOGN	baz=341,SNR=16 Logan Glacier	79.11 4	I Amb	I Amb	20 00 08.3
YUK6	comp=Z,81nm,1.2s Outpost Mounta	79.11 3	P	P	20 00 06.1 +0.1
SEW	baz=356 Seward	79.12 8	P	P	20 00 05.5 -0.1
O28M	comp=Z,344nm,19.0s Mount Upton	79.20 4	P	P	20 00 06.9 +0.4
HYT	baz=354 Haines Junctio	79.26 2	I Amb	I Amb	20 00 09.2
HYT	comp=Z,80nm,1.1s				
HYT	baz=356,SNR=30 Haines Junctio	79.26 2	P	P	20 00 07.4 +0.8
HOM	baz=345 Homer	79.29 10	P	P	20 00 07.5 +0.9
VLDQ	comp=Z,77nm,0.9s Val d'Or	79.31 326	I Amb	I Amb	20 00 09.6
BRSE	baz=346 Bradley Lake S	79.32 9	P	P	20 00 06.7 -0.1

15d 20h

Table with columns for station name, frequency, and signal strength. Includes stations like JOW Kunigami, CGJI Cibinong, KASI Kota Agung, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like KMI Chiang Mai, CHTO Chiang Mai, XAN Xian, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like L14K Kukka Creek, P18K Big Mountain, NVL N'zarevskaya, etc.

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LRMC	Laurel Mtn Rad	89.78	51	P	P	20 36 02.3	-2.4
K20K	Telida	89.78	16	P	P	20 36 02.3	-1.6
H17K	Granite Mounta	89.81	13	IAMS_20	IAMS_20	21 07 52.1	
YUH	Yuha Desert	89.81	55	IAMB	IAMB	20 36 13.8	
OMMB	Old Mammoth Mi	89.82	49	IAMB	IAMB	20 36 14.9	
L04D	Klamath Falls	89.83	44	P	P	20 36 05.3	+0.5
PFO	Pinyon Flats O	89.83	54	P	IAMB	20 36 03.9	-1.1
PFO	Pinyon Flats O	89.83	54	P	P	20 36 04.1	-0.9
PFO	Pinyon Flats O	89.83	54	P	P	21 08 56.3	
PTFO	Port Fidalgo	89.86	20	IAMS_20	IAMS_20	21 06 27.7	
FID	Port Fidalgo	89.86	20	IAMS_20	IAMS_20	21 06 27.7	
PMLD	Purkeypile	89.89	17	P	P	20 36 03.5	-1.1
PMDA	Palm Desert	89.91	54	IAMB	IAMB	20 36 14.0	
CWC	Cottonwood Crs	89.93	50	P	P	20 36 03.7	-1.8
J19K	Poorman	89.94	15	IAMS_20	IAMS_20	21 10 35.7	
SWSC	Sam W. Stewart	90.04	54	P	P	20 36 04.6	-1.2
TIN	Tinemaha, Big	90.11	50	P	P	20 36 05.1	-1.1
SML	Sawmill	90.11	19	IAMS_20	IAMS_20	21 10 41.5	
MPMC	Manual Prospec	90.18	51	P	P	20 36 05.2	-1.5
GCSA	Galena City Sc	90.29	14	P	P	20 36 04.8	-1.3
H18K	Honohosa River	90.32	13	IAMS_20	IAMS_20	21 10 51.6	
GSC	Goldstone, Bar	90.33	52	IAMB	IAMB	20 36 16.2	
GSC	Goldstone, Bar	90.33	52	P	P	20 36 05.3	-1.9
CAST	Castle Rocks	90.34	16	P	P	20 36 05.7	-0.8
BELC	Belle Mtn. Jos	90.35	53	P	P	20 36 05.7	-1.7
SCM	Sheep Creek Mo	90.43	19	P	P	20 36 05.2	-1.8
J20K	Nowinta River	90.44	15	IAMS_20	IAMS_20	21 09 59.1	
HEC	Hector, Ludlow	90.47	52	P	P	20 36 06.2	-1.7
PAHR	Pah Rah Range	90.54	47	IAMB	IAMB	20 36 17.8	
QSM	Queen of Sheba	90.59	51	IAMB	IAMB	20 36 17.7	
BC3	Big Chuckawall	90.61	54	P	P	20 36 07.2	-1.3
BMRM	Bremner River	90.63	21	P	P	20 36 07.2	-0.8
NVAR	Minna Array Bay	90.69	49	P	P	20 36 08.1	-0.9
NVAR	Minna Array Bay	90.69	49	P	P	21 08 11.7	
GRAC	Grapevine Rang	90.69	50	P	P	20 36 07.8	-1.0
LP1G	La Paz	90.72	64	LR	LR	21 07 08.4	
KTH	Kantishna Hill	90.76	17	IAMS_20	IAMS_20	21 13 47.5	
GOMU	GeErMu	90.80	309	P	Pmax	20 36 10.6	+0.8
FURC	Furnace Creek,	90.82	51	P	P	20 36 08.2	-1.1
WAT1	Susitna Watana	90.84	18	P	P	20 36 08.3	-0.5
TRF	Thorofore Moun	90.85	17	P	P	20 36 07.9	-1.1
SLBS	Sierra La Lagu	90.86	65	P	P	20 36 10.0	0.0
F17K	Baldwin Penrin	90.88	11	IAMS_20	IAMS_20	21 11 49.4	
I20K	Naaghedeneel	90.88	15	IAMS_20	IAMS_20	21 10 00.7	
WAT6	Susitna Watana	90.88	18	P	P	20 36 08.5	-0.7
G18K	Tagagawik	90.90	13	IAMS_20	IAMS_20	21 09 35.1	
G18K	Tagagawik	90.90	13	P	P	20 36 08.2	-0.8
GMN	Gold Mountain	90.91	50	IAMB	IAMB	20 36 19.3	
GMRC	Granite Mounta	90.95	53	P	P	20 36 08.8	-1.3
CRQE	Cirque	90.98	21	P	P	20 36 08.8	-0.9
K05A	Summer Lake	90.99	44	IAMB	IAMB	20 36 18.8	
TUQ	Turquoise Moun	91.04	52	P	P	20 36 09.1	-1.4
J05D	Fort Rock, OR	91.05	43	IAMB	IAMB	20 36 20.3	
H19K	Roundabout Mou	91.05	14	P	P	20 36 07.7	-2.0
IRM	Iron Mountain	91.06	54	P	P	20 36 09.6	-1.0
N25K	Chitina, Valde	91.11	20	IAMS_20	IAMS_20	21 08 04.1	
N25K	Chitina, Valde	91.11	20	P	P	20 36 09.8	-0.4
KVN	Kaisererville	91.12	48	IAMB	IAMB	20 36 20.4	
ISLE	Juniper Island	91.13	22	IAMS_20	IAMS_20	21 09 10.7	
PALK	Pallekele	91.15	277	LR	LR	21 19 43.7	
YAH	Yahitsa	91.16	22	IAMS_20	IAMS_20	21 09 11.5	
BPBW	Bear Paw Mtn.	91.18	16	P	P	20 36 09.6	-0.8
VRDI	Verde Repeater	91.21	21	P	IAMB	20 36 12.2	+1.4
RND	Reindeer	91.21	18	IAMS_20	IAMS_20	21 13 55.4	
GLB	Gilghina Butte	91.25	21	IAMS_20	IAMS_20	21 07 42.7	
CRAG	Craig	91.29	24	P	P	20 36 10.1	-1.1
DHY	Denali Highway	91.37	18	IAMS_20	IAMS_20	21 11 11.9	
H20K	Antoleneega Mo	91.37	14	P	P	20 36 08.9	-2.4
TABL	Table Mountain	91.43	22	IAMS_20	IAMS_20	21 14 28.7	
MCK	McKinley	91.44	17	P	P	20 36 10.5	-1.1
G19K	Purcell Mounta	91.44	13	IAMS_20	IAMS_20	21 11 06.4	
G19K	Purcell Mounta	91.44	13	P	P	20 36 11.6	+0.1
MCARA	McCarthy VSAT	91.46	21	P	IAMB	20 36 10.8	-0.9
MCARA	McCarthy VSAT	91.46	21	P	P	20 36 10.4	-1.3
TPNV	Topopah Spring	91.47	51	P	P	20 36 10.7	-1.9
113A	Mohawk Valley,	91.50	55	IAMB	IAMB	20 36 21.8	
P1NM	Pinnacle	91.50	23	P	P	20 36 10.7	-1.3
S31K	Pelican	91.60	26	P	P	20 36 11.4	-0.9
BOD	Bodaibo	91.64	334	eP	P	20 36 11.1	-1.5
BARN	Barnard Glacie	91.69	22	IAMB	IAMB	20 36 21.4	

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BARN	Chitina Glacier	91.73	22	P	P	20 36 12.1	-1.0
CTG	China Glacier	91.73	22	P	P	20 36 12.1	-1.0
BBB	Bella Bella	91.79	33	LR	LR	21 09 36.6	
PDMCI	Parker Dam, Lak	91.87	54	P	P	20 36 13.0	-1.3
214A	Organ Pipe Nat	91.90	56	IAMB	IAMB	20 36 23.8	
214A	Organ Pipe Nat	91.90	56	P	P	20 36 12.5	-2.0
F19K	Shaleruckik Mo	91.90	13	IAMS_20	IAMS_20	21 12 12.3	
V12A	Nelson	91.95	52	P	P	20 36 14.0	-0.8
V12A	Nelson	91.95	52	P	IAMB	20 36 24.5	
H21K	Meloztina Rive	92.00	15	IAMS_20	IAMS_20	21 11 28.1	
O28M	Mount Upton	92.00	22	P	P	20 36 13.2	-1.4
SHPR	Sheep Range	92.06	51	IAMB	IAMB	20 36 24.7	
P29M	Windy Craggy	92.11	24	P	P	20 36 14.5	-0.3
GNW	Green Mountain	92.21	39	P	P	20 36 16.9	+1.4
M26K	Nabesna, AK	92.21	20	IAMS_20	IAMS_20	21 09 47.2	
M26K	Nabesna, AK	92.21	20	P	P	20 36 13.5	-1.8
O29M	Mount Kennedy	92.25	23	IAMS_20	IAMS_20	21 09 22.6	
WVOR	Wild Horse Val	92.32	45	P	P	20 36 15.5	-0.8
ZAK	Zakamensk	92.35	324	eP	Pmax	20 36 14.8	-1.4
K24K	Donnelly Dome	92.39	18	P	P	20 36 14.2	-1.9
W13A	Hualapai Mount	92.40	53	IAMB	IAMB	20 36 26.7	
I23K	Minto, Yukon-K	92.44	16	IAMS_20	IAMS_20	21 13 13.0	
YU8K	Steig Glacier	92.50	22	P	P	20 36 14.7	-2.2
F20K	Avarart Lake	92.52	13	IAMS_20	IAMS_20	21 11 50.4	
D05A	Enunclaw	92.51	40	P	P	20 36 18.9	+2.0
HDA	Hardin Lake	92.52	18	IAMB	IAMB	20 36 23.7	
HDA	Hardin Lake	92.52	18	P	P	20 36 14.8	-1.8
H22K	Ishlaltina Cre	92.53	15	P	P	20 36 12.1	-4.5
G21K	Allakaket	92.54	14	IAMS_20	IAMS_20	21 14 43.4	
G21K	Allakaket	92.54	14	P	P	20 36 15.6	-1.0
M27K	Edge Creek, AK	92.54	21	P	P	20 36 15.7	-1.2
E19K	Redstone River	92.54	12	IAMS_20	IAMS_20	21 11 21.4	
E19K	Redstone River	92.54	12	P	P	20 36 13.9	-2.8
L26K	Log Cabin Wild	92.55	20	P	P	20 36 15.2	-1.6
R11B	Troy Canyon, C	92.56	50	IAMB	IAMB	20 36 26.4	
R11B	Troy Canyon, C	92.56	50	P	P	20 36 15.6	-2.0
Y14A	Wickenburg	92.57	54	IAMB	IAMB	20 36 27.1	
YDM	Murphy Dome	92.59	17	IAMB	IAMB	20 37 18.0	
MDK	Moose Creek	92.60	22	P	P	20 36 15.7	-1.6
P30M	Million Dollar	92.73	24	P	P	20 36 16.2	-1.6
YU6K	Outpost Mounta	92.77	23	P	P	20 36 15.9	-2.2
IL31	Elison Array	92.82	17	IAMB	IAMB	20 36 24.8	
ILAR	Elison Array	92.82	17	P	P	20 36 14.2	-3.7
ILAR	Elison Array	92.82	17	P	P	21 17 02.5	
C18K	Ulukuk River	92.86	10	P	P	20 36 16.2	-1.9
BVCY	Beaver Creek	92.92	21	P	P	20 36 16.8	-1.6
SKAG	Skagway	92.93	25	P	P	20 36 16.7	-1.8
POKR	Poker Plat Res	92.93	17	P	P	20 36 16.4	-2.1
H23K	Yukon River	92.93	16	IAMS_20	IAMS_20	21 17 07.9	
YUKA	Talbot Arm	92.94	22	P	P	20 36 16.4	-2.4
HYT	Haines Junctio	93.00	23	P	P	20 36 16.9	-2.1
SCRK	Sand Creek	93.06	19	P	P	20 36 19.4	+0.2
SCRK	Sand Creek	93.06	19	P	P	20 36 16.7	-2.5
L27K	Beaver Creek,	93.06	20	P	P	20 36 16.7	-2.4
J25K	Salcha River,	93.12	18	IAMS_20	IAMS_20	21 11 46.1	
J25K	Salcha River,	93.12	18	P	P	20 36 17.6	-1.8
F21K	Alatna River	93.13	14	IAMB	IAMB	20 36 27.4	
F21K	Alatna River	93.13	14	P	P	20 36 17.3	-2.1
G22K	Bettles	93.33	15	P	P	20 36 18.2	-2.0
E20K	Nigu River	93.44	12	P	P	20 36 19.3	-1.5
O30N	Mendhall	93.49	24	IAMS_20	IAMS_20	21 10 41.2	
O30N	Mendhall	93.49	24	P	P	20 36 17.9	-3.2
G23K	Bananza Creek	93.52	15	IAMS_20	IAMS_20	21 10 58.3	
J26L	Joseph Creek	93.57	19	IAMB	IAMB	20 36 29.6	
J26L	Joseph Creek	93.57	19	P	P	20 36 20.7	-0.8
N30M	Aishikik Lake	93.57	23	IAMS_20	IAMS_20	21 09 32.4	
TUC	Tucson	93.61	57	P	IAMB	20 36 21.6	-0.9
TUC	Tucson	93.61	57	P	P	20 36 19.5	-3.0
TUC	Tucson	93.61	57	P	Pmax	20 36 21.6	-0.9
F22K	John River	93.66	14	P	P	20 36 19.7	-2.1
K27K	Chicken	93.67	19	IAMB	IAMB	20	

15d 20h

Table with columns for station name, frequency, power, and other technical details. Includes stations like IMW Indian Meadow, TXAR Lajitas Arr, and various others.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like GZR Gura Zlata, SIRR Sirduc, and various others.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like GRFO Grafenberg, GRFO Grafenberg, and various others.

Additional information and notes at the bottom right, including coordinates and station identifiers like 'IDC 15:20:27.27.2.1.2.21:85S:169:10E,h0km,mb4.0/5,'.

Table with columns: Station Name, Frequency, Mode, and various status indicators. Includes stations like VRAC Vranov, SRO Srobarova, SMOL Smolenice, etc.

Table with columns: Code, Station Name, Frequency, Mode, and various status indicators. Includes stations like BFO Black Forest, DAVA Danuless, SLE Schleiheim, etc.

Table with columns: Station Name, Frequency, Mode, and various status indicators. Includes stations like JOW Kunigami, MTN Mantong Dam, BATI Baunata, etc.

TDK	Taldyqorghan	61.29 318c	iP	P	P	21 29 31.4 +1.0
KSH	Kashi	61.36 311	P	P	S	21 29 33.5 +2.3
KSH			pP	pS		21 29 39.3 +1.3
KSH			pmax			
MDOK	Medeo	61.62 315	iP	P	P	21 29 34.0 +1.0
MDOK			eS	S	S	21 37 55.4 +0.7
MDOK	Medeo	61.62 315	iP	P	S	21 29 33.9 +1.0
MDOK			eS	S	S	21 37 55.4 +0.7
TNSS	Tian-Shan	61.65 315	iP	P	P	21 29 34.4 +1.0
TNSS			iP	P	P	21 29 34.4 +1.0
TNSS	Alma-Ata	61.73 315	eP	P	P	21 29 34.6 +1.1
AAA	Alma-Ata	61.73 315	eP	P	P	21 29 34.6 +1.1
AAA	Naryn	61.86 313	P	P	I	21 29 34.9 +0.1
NRN			I	Amb	I	21 29 36.1
NRN	Naryn	61.86 313	P	P	P	21 29 34.9 +0.1
NRN			pmax			
CHHK	Chushkaly	61.88 316	eP	P	P	21 29 35.0 +0.5
CHHK			eP	P	P	21 29 34.9 +0.5
CHHK	Semipalatinsk	62.16 324	eP	P	P	21 29 36.0 -0.5
SEM	Semipalatinsk	62.16 324	eP	P	P	21 29 36.0 -0.5
SEM			pmax			
NIL	Nilore	62.22 304	P	P	P	21 29 36.7 -0.3
NIL			P	P	P	21 29 36.7 -0.3
NIL			pmax			
KUU	Kurty	62.33 316	iP	P	P	21 29 37.9 +0.4
KUU			iP	P	P	21 29 37.9 +0.4
TKM2	Tokmak 2	62.56 315	P	P	P	21 29 40.2 +0.9
KBK	Karagaybulak	62.95 314	P	P	P	21 29 42.9 +1.0
CHMS	Chumysh	63.18 315	P	P	P	21 29 43.8 +0.6
FRU1	Bishkek	63.22 314	P	P	P	21 29 43.6 +0.1
FRU1			P	P	P	21 29 43.6 +0.1
FRU1			pmax			
KURK	Kurchatov	63.24 324	eP	P	P	21 29 43.2 -0.2
KURK			eP	P	P	21 29 43.4 0.0
KURK			pmax			
KURB	Kurchatov Ara	63.26 324	P	P	P	21 29 43.6 +0.1
AAK	Ala-Archa	63.27 314	P	P	P	21 29 44.9 +0.9
AAK			P	P	P	21 29 43.9 -0.1
AAK			I	Amb	I	21 29 50.8
AAK			pmax			
AAK			pmax			
AAK			LR	LR		21 57 56.9
SGDS	Sogindy	63.27 314	LR	LR		21 57 56.9
SGDS			LR	LR		21 57 56.9
SGDS			LR	LR		21 57 56.9
USP	Ospenovka	63.39 315	iP	P	P	21 29 44.9 +0.2
USP			iP	P	P	21 29 44.8 +0.2
USP			iP	P	P	21 29 45.5 +0.6
AML	Almayashu	63.71 313	P	P	P	21 29 48.2 +1.0
EKS2	Erkin-Say	63.78 314	P	P	P	21 29 48.3 +1.0
ARSB	Arslanbob	64.03 312	P	P	I	21 29 49.0 0.0
ARSB			I	Amb	I	21 29 50.9
ARSB			pmax			
BILL	Bilibino	64.19 13	P	P	I	21 29 49.5 +0.1
BILL			I	Amb	I	21 29 50.3
BILL			eP	P	P	21 29 50.1 +0.7
BTLS	Baital	64.24 317	iP	P	P	21 29 50.4 +0.2
BTLS			iP	P	P	21 29 50.3 +0.2
BTLS			iP	P	P	21 29 49.5 -0.8
TIXI	Tiksi	64.34 358	eP	P	P	21 29 50.3 0.0
TIXI			eP	P	P	21 29 50.3 0.0
BTk	Batken	65.35 311	P	P	P	21 29 57.0 -0.5
BTk			P	P	P	21 29 57.1 -0.5
BTk			pmax			
BTk			pmax			
KBL	Kabul	65.81 304	P	P	P	21 29 59.8 -1.0
KBL			P	P	P	21 29 59.8 -1.0
KBL			pmax			
KK31	Karatay Array	66.22 314	P	P	P	21 30 02.6 -0.4
KK31			P	P	P	21 30 02.7 -0.4
KK31			pmax			
IUG	Iuzhny	66.36 313	iP	P	P	21 30 04.8 +0.7
IUG			iP	P	P	21 30 04.8 +0.7
IUG			pmax			
BRZS	Berezni	66.56 322	iP	P	P	21 30 05.3 +0.2
BRZS			iP	P	P	21 30 05.3 +0.2
BRZS			pmax			
CHM	Chimkent	66.71 313	eP	P	P	21 30 07.1 +0.9
CHM			eP	P	P	21 30 07.0 +0.9
GAMB	Gambell	67.95 283	eP	P	P	21 30 14.8 +1.1
BVAR	Borovoye Array	68.82 324	P	P	P	21 30 19.4 +0.1
BRVK	Borovoye	68.89 324	P	P	P	21 30 19.7 +0.1
BRVK			P	P	P	21 30 19.8 +0.1
BRVK			pmax			
SDPT	Sand Point	69.83 33	P	P	P	21 30 26.2 +0.7
L14K	Kuka Creek	70.68 27	P	P	P	21 30 31.2 +0.7
ANM	Nome	70.80 23	P	P	P	21 30 32.3 +1.1
M14K	Bethel	70.81 28	P	P	P	21 30 31.8 +0.5
M14K			P	P	P	21 30 31.9 +0.7
J14K	Nanvaranak Lak	70.82 25	P	P	P	21 30 32.4 +1.1
F14K	Arctic Creek	70.82 22	P	P	P	21 30 32.4 +1.1
O15K	Ungalchiuk R	71.31 30	P	P	P	21 30 35.0 +0.6
L15K	Ungalak Mouta	71.34 27	P	P	P	21 30 35.2 +0.7
M15K	Kasigliuk River	71.38 28	P	P	P	21 30 35.6 +0.9
HRA	Herat	71.38 304	P	P	I	21 30 35.1 -0.5
HRA			I	Amb	I	21 30 36.7
N15K	Kwethluk River	71.49 29	P	P	P	21 30 36.0 +0.5
K15K	Wolf Creek Mou	71.53 26	P	P	P	21 30 36.5 +0.8
F15K	North Star Dit	71.56 22	P	P	P	21 30 36.6 +0.9
R16K	Pilot Point	71.99 32	P	P	P	21 30 38.5 0.0
H16K	Elim	72.07 24	P	P	P	21 30 39.5 +0.6
P16K	Nushagak River	72.17 30	P	P	P	21 30 40.2 +0.6
N16K	Nishlik Lake	72.21 29	P	P	P	21 30 40.3 +0.5
L16K	Owhat River	72.26 27	P	P	P	21 30 40.8 +0.8
J16K	Anvik River	72.27 25	P	P	P	21 30 40.9 +0.8
O16K	Kokwok River B	72.28 30	P	P	I	21 30 40.6 +0.4
O16K			I	Amb	I	21 30 42.2

O16K	Kokwok River B	72.28 30	P	P	P	21 30 40.9 +0.7
M16K	Timber Creek	72.28 28	P	P	P	21 30 41.1 +0.9
CHIR	Chirikof Islan	72.62 34	P	P	P	21 30 42.7 +0.5
O17K	Koliganek Bris	72.82 29	P	P	P	21 30 44.4 +1.0
L17K	Donlin	72.92 27	P	P	P	21 30 44.9 +1.0
N17K	Nushagak Hills	72.97 29	P	P	P	21 30 45.2 +0.8
G17K	Kwik Mouta	73.01 23	P	P	P	21 30 45.6 +1.2
O17K	Contact Creek	73.04 31	P	P	P	21 30 45.0 0.0
K17K	Iditarod	73.09 26	P	P	I	21 30 45.9 +0.9
K17K			I	Amb	I	21 30 47.7
K17K			P	P	P	21 30 46.2 +1.2
M17K	Hollita River	73.10 28	P	P	P	21 30 46.1 +1.1
H17K	Granite Mouta	73.11 24	P	P	P	21 30 46.6 +1.5
F17K	Baldwin Pennin	73.12 22	P	P	I	21 30 45.8 +0.7
F17K			I	Amb	I	21 30 47.4
F17K			P	P	P	21 30 46.2 +1.2
E17K	Hotham Inlet	73.14 21	P	P	P	21 30 46.4 +1.0
SII	Sitkinak Islan	73.56 33	P	P	P	21 30 48.8 +0.9
Q18K	Katmal Hardscr	73.58 31	P	P	P	21 30 48.3 +0.2
N18K	Kilae Creek	73.63 29	P	P	P	21 30 49.3 +1.1
P18K	Big Mountain,	73.64 30	P	P	P	21 30 48.9 +0.6
L18K	Granite Mouta	73.66 27	P	P	P	21 30 49.3 +0.9
L18K			P	P	P	21 30 49.7 +1.3
E18K	Tupkhalearik C	73.71 21	P	P	P	21 30 49.9 +1.4
O18K	Koktuh Hills	73.76 30	P	P	P	21 30 49.8 +0.8
H18K	Honhosa River	73.81 24	P	P	P	21 30 49.9 +0.7
M18K	Stony River	73.87 28	P	P	P	21 30 50.6 +1.1
G18K	Tagagavik	73.92 23	P	P	P	21 30 50.8 +0.9
C18K	Utukok River	73.95 20	P	P	P	21 30 51.0 +0.7
J18K	Innok River	73.99 26	P	P	P	21 30 51.0 +0.7
TTA	Tatalina	74.16 26	P	P	P	21 30 52.1 +0.8
GCSA	Galena City Sc	74.29 24	P	P	P	21 30 52.7 +0.8
WSAR	Wadi Sarin	74.33 292	LR	LR		22 07 32.8
N19K	Bonanza Creek	74.33 29	P	P	P	21 30 53.6 +1.1
L19K	White Mountain	74.48 27	P	P	P	21 30 54.5 +1.2
ABKAR	Abkular array	74.50 319	P	P	P	21 30 53.4 -0.1
ABKAR			P	P	P	21 30 53.3 -0.1
ABKAR			I	Amb	I	21 30 54.4
F19K	Shalokik Mo	74.56 22	P	P	P	21 30 54.3 +0.8
J19K	Poorman	74.61 25	P	P	P	21 30 55.2 +1.3
G19K	Purcell Mouta	74.61 23	P	P	P	21 30 55.1 +1.2
M19K	Big River Lodg	74.63 28	P	P	P	21 30 55.3 +1.2
KDAK	Kodiak Island	74.66 32	P	P	P	21 30 55.2 +0.9
KDAK			P	P	P	21 30 55.5 -0.7
C19K	Lookout Ridge	74.66 20	P	P	P	21 30 55.8 +1.7
H19K	Roundabout Mou	74.68 24	P	P	P	21 30 55.6 +1.4
P19K	Oil Pt	74.69 30	P	P	P	21 30 55.1 +0.6
GEYT	Alibeck	74.91 307	P	P	I	21 30 56.4 +0.1
GEYT			I	Amb	I	21 30 57.7
GEYT			P	P	P	21 30 56.5 +0.3
GEYT			LR	LR		22 06 45.2
E19K	Redstone River	74.95 22	P	P	P	21 30 56.8 +1.0
D19K	Kuna River	74.96 21	P	P	P	21 30 56.7 +0.9
RSO	Redoubt South	75.09 29	P	P	P	21 30 56.7 -0.3
K20K	Telida	75.12 26	P	P	P	21 30 58.4 +1.6
SVE	Sverdlovsk	75.16 327	eP	P	P	21 30 57.0 -0.2
SVE			pmax			
M20K	Styx River	75.21 28	P	P	P	21 30 58.3 +0.8
J20K	Nowinta River	75.28 25	P	P	P	21 30 59.3 +1.5
I20K	Naagedeneel	75.29 25	P	P	P	21 30 59.2 +1.5
H20K	Anotleneega Mo	75.30 24	P	P	P	21 30 58.9 +1.1
F20K	Avaraart Lake	75.39 22	P	P	P	21 30 59.3 +1.1
N20K	Mount Spurr	75.50 29	P	P	P	21 30 59.0 -0.1
CASY	Casey	75.51 190	P	P	P	21 30 57.9 -1.0
D20K	Etluk River	75.55 21	P	P	P	21 31 00.4 +1.1
E20K	Nigu River	75.56 21	P	P	P	21 31 00.5 +1.1

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like H27K Steambot Moun, LOGN Logan Glacier, E27K Coleen River, etc.

2017 NOV

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like VVDA comp=Z,11nm,1.6s, V35K Ketchikan, KLMR Klimovskoe, etc.

15d 21h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BLA Blacksburg, TORO Torodi Ar. Bea, MCRA Macat Loba, etc.

NOU 15 21:22.8, 40:42S:173:30E, h199km, MLV3.8/12, Cook Strait, New Zealand
WEL 15 21:21.27:7:1, 0, 40:5:17:3E:1, h150km:8km, M3.7/81, MLV3.7/81, Error ellipse: s-maj=0.0km s-min=0.0km

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DUWZ D'Urville Isla, TKWZ Takaka Hill, QRZ Taqata Range, etc.

Table with columns: SNA, Sname, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like MULG, GENU, MTN, GNTI, etc.

Table with columns: SNA, Sname, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like SNA, VNA3, VNA2, etc.

Table with columns: BTNL, MEM, MEM, BBTI, ABTA, WATA, WTTA, BCLA, BGES, MOTA, SQTA, RETA, RCHD, BMRD, WLF, WLF, WLF, UBR, DOU, FETA, BFO, DAVA, FUOR, ECH, ESCD, TORD, TORD, etc.

IDC 15 21:45:32.45, 4.165: -153.84E, h0km=37km, mb3.8/4, mb1mp/2.5, Error ellipses = s-max=50.8km s-min=30.0km

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

UPA 15 21:48:01.9, 1.7: 8.75N-84.08W, h0km=11km, MW4.7 UCR 15 21:48:01.5, 0.8: 8.76N-84.21W, h18km=7km, MW4.8

CATAC 15 21:48:03.1, 0.3: 8.79N-84.00W, h10km, ML4.2, Hypocentre not reviewed by the IOC

IDC 15 21:48:00.61, 6.1: 8.79N, 0.04: 84.15W: 0.06, h8km=10km, n66, +192/83, 17C-10, Off coast of Costa Rica

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like EDDO, SVQ2, LLNJ, EDPA, LCR2, LCR2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Tajo, Volcan Turrial, Canoas, etc.

IDC 15:21:51.06:4.7, 2.0:62S:168:10E, h0km, mb3.4/2, mbtmp3.4/2, Error ellipse: s-maj=300.1km s-min=57.3km az=149.0, Loyalty Islands

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

IDC 15:21:57.23:0.0:7.21:44S:168:59E, h0km, mb4.2/10, mbtmp4.2/12, ML4.1/2, MS3.9/9, Error ellipse: s-maj=22.1km s-min=18.9km az=141.0, NEIC 15:21:57.23:9.1.3, 21:40S:0:07:168:70E:0.0, h10km, 1km, mb4.6/24, Error ellipse: s-maj=11.6km s-min=3.9km az=357.0, BGR 15:21:57:24.6, 20:88S:175:66E, h33km, ISC 15:21:57:25.3:0.5, 21:38S:0:07:168:84E:0:06, h20km, n82, +059N/76, mb4.7/26, MS3.9/6, GD, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Marne, Loyalty, Pines Island, etc.

Main table with columns: DZM, LR, LR, 21 58 35.5, etc. Includes stations like Queen Taro, Ouen Toro, etc.

Table with columns: DAVA, DAVOX, ESDC, etc. Includes stations like Damuels, Davos/Dischmat, etc.

PB16	IPOC Station P	3.50 323	eP	Pn	23 13 12.2 +1.4
PB16			iS	S	23 13 55.0 +0.3
AZAP	Zapfa	3.67 146	eP	S	23 13 12.4 -0.1
AZAP			eS	S	23 13 56.4 -1.5
AZAP			IAML		23 13 58.1
comp=Z.246nm,0.3s					
SOTI	Planta Incahua	3.67 69	Pg	Pn	23 13 12.3 -0.1
PB12	IPOC Station P	3.82 311	eP	Pn	23 13 12.9 -1.2
PB12	IPOC Station P	3.82 311	eP	S	23 13 13.1 -1.0
PB12			eS	S	23 13 58.1 -2.7
PB12	IPOC Station P	3.82 311	eP	S	23 13 13.0 -1.2
PB12			iS	S	23 13 57.3 -3.5
ASTB	Santa Barbara	3.82 137	eP	Pn	23 13 13.9 -0.2
ASTB			eS	S	23 13 58.8 -2.1
SLA	San Lorenzo	3.90 155	Pg	Pn	23 13 15.9 +0.8
SLA	San Lorenzo	3.90 155	eS	S	23 14 07.0 +4.2
ALOL	LOMAS DE OLMEDO	4.04 131	eS	S	23 14 00.5 -5.0
PB18	Visviri	4.11 330	Pn	Pn	23 13 19.4 +1.3
BBOE	La Paz, Chanca	4.39 352	Pg	Pn	23 13 22.4 +0.8
PB14	IPOC Station P	4.47 219	eP	Pn	23 13 22.1 -0.1
PB14	IPOC Station P	4.47 219	eP	S	23 13 21.4 -0.8
PB14			eS	S	23 14 12.9 -2.8
PB14			IAML		23 14 15.2
comp=Z.187nm,0.1s					
GO02	Mina Guanaco	4.49 207	Pn	Pn	23 13 22.7 +0.2
GO02	Mina Guanaco	4.49 207	Pg	Pn	23 13 22.9 +0.3
GO02	Mina Guanaco	4.49 207	eP	S	23 13 22.8 +0.0
GO02			eS	S	23 14 14.7 -1.9
GO02			IAML		23 14 16.8
comp=Z.556nm,0.1s					
GO02	Mina Guanaco	4.49 207	eP	Pn	23 13 22.7 +0.2
GO02			iS	S	23 14 14.7 -1.6
BODD	La Paz, Gloria	4.68 345	Pg	Pn	23 13 29.0 +0.6
LPZA	La Paz	4.92 351	Pg	Pn	23 13 29.0 +0.6
LPZA	La Paz	4.92 351	Pg	Pn	23 13 29.2 +0.8
LPZA	La Paz	4.92 351	eP	S	23 13 29.6 +1.2
LPZA			eS	S	23 14 25.4 -1.3
AC01	Pan de Azucar	5.80 211	Pn	Pn	23 13 37.5 -1.2
AC06	Mina Casimiro	6.75 204	Pn	Pn	23 13 39.0 +2.1
GO03	Copiap	6.92 202	Pn	Pn	23 13 51.2 -2.2
BBSD	Serra de San D	7.47 59	eP	Pn	23 13 58.0 -2.5
AC04	Llanos de Chal	7.79 205	Pn	Pn	23 14 01.1 -3.4
AC05	El Transito	8.09 199	Pn	Pn	23 14 05.8 -1.8
LCO	Las Campanas	8.39 201	Pn	Pn	23 14 07.9 -2.5
GO04	Tololo Observa	9.50 199	Pn	Pn	23 14 25.1 -1.7
PTLB	Pontes e Lacer	9.62 55	Pn	Pn	23 14 26.6 -1.7
PTLB	Pontes e Lacer	9.62 55	eP	Pn	23 14 26.7 -1.7
BDQN	Bodoquena, MS	9.90 98	eP	Pn	23 14 32.2 +0.3
CO03	El Pedregal	10.09 97	Pn	Pn	23 14 32.5 -1.9
WILB	Vilhena	10.63 41	eP	Pn	23 14 41.1 +0.2
WILB	Vilhena	10.63 41	eP	Pn	23 14 41.1 -0.3
AQDB	Aquidauana	10.88 88	eP	Pn	23 14 45.6 +1.1
SALV	Santo Antonio	12.20 66	eP	Pn	23 15 01.2 -0.1
SAML	Samuel	12.79 19	eP	Pn	23 15 07.8 -0.9
CRSM	Crisissiumal (Br	13.62 120	eP	Pn	23 15 21.0 -0.1
PDRB	Porto dos Gas	13.90 48	eP	Pn	23 15 21.2 -1.3
RODS	Rosario do Sul	14.22 132	eP	P	23 15 29.6 +1.9
PTGB	Pitanga	14.48 107	eP	P	23 15 32.2 +1.6
ALGR	Alto Alegre (B	15.00 123	eP	Pn	23 15 38.5 +2.1
CLDB	Colider	15.07 49	eP	Pn	23 15 36.1 -0.7
ITAB	Concordia	15.10 117	eP	Pn	23 15 41.1 +0.2
LDASE	Londrina, Braz	15.15 101	eP	Pn	23 15 39.2 +1.1
PLTB	Pedras Altas	16.16 134	Pn	Pn	23 15 49.6 -0.2
PLTB			IAMB		23 15 57.3
comp=Z.8.0nm,1.1s					
FRTB	Fartura	16.57 101	eP	Pn	23 15 55.5 +0.6
CNLB	Canela	16.94 122	eP	Pn	23 16 00.0 +0.8
BB19B	Bebedouro	17.52 93	eP	Pn	23 16 05.0 +0.8
PNGB	Novo Progresso	18.19 41	eP	P	23 16 11.2 -0.3
IPMB	Ipanero, GO	18.27 83	eP	P	23 16 13.3 +1.0
RCLB	Rio Claro- Sao	18.41 97	eP	P	23 16 14.7 +0.9
MACA	Manacapuru-AM	19.03 21	eP	P	23 16 19.9 -0.9
MACA	Manacapuru-AM	19.03 21	eP	P	23 16 19.9 -0.6
BDFB	Brasilia	19.11 76	eP	P	23 16 21.4 -0.1
BDFB			IAMB		23 16 32.4
comp=Z.13nm,1.4s					
PMNB	Patos De Minas	19.80 86	eP	P	23 16 28.8 -0.1
ITTB	Itaituba	20.14 36	eP	P	23 16 32.1 -0.3
BSCB	Bom Sucesso	21.03 94	eP	P	23 16 43.1 +1.3
DIAM	Diamantina, MG	22.43 87	eP	P	23 16 56.7 +1.0
PRPB	Parauapebas	22.57 51	eP	P	23 16 56.5 -0.4
JANB	Januaria	22.67 78	eP	P	23 16 57.5 -0.2
IBLB	Monte Alegre	23.13 35	eP	P	23 17 02.9 +0.2
SDBA	SAO DESIDERIO	23.17 71	eP	P	23 17 01.4 -0.5
GUA01	Guaratinga, BA	26.40 85	eP	P	23 17 31.9 +0.4
GSPA	South Pole Qui	62.00 180	P	P	23 22 58.4 +1.6
TOAO	Torodi Ar. Sit	75.84 70	P	P	23 23 38.5 +0.8
TOAO			IAMB		23 23 42.4
comp=Z.3.5nm,0.8s					
TORD	Torodi Ar. Bea	75.84 70	P	P	23 23 38.4 +0.7
TORD			IAMB		23 23 42.3
comp=Z.2.1nm,0.8s					

KOUNC	Koumac, New Ca	4.53 286	Pn	Pn	23 33 45.5 -1.0
KOUNC	Koumac, New Ca	4.53 286	P	P	23 33 47.2 +0.7
NFK	Norfolk Island	7.23 187	P	Pn	23 34 27.3 +3.7
NFK			S	S	23 35 43.1 -1.6
baza=7.4					
MSVF	Nonsavu	9.50 66	Pn	Pn	23 34 55.7 +0.9
MSVF	Nonsavu	9.50 66	P	Pn	23 34 59.8 +4.9
MSVF	Nonsavu	9.50 66	iP	Pn	23 34 55.1 +0.2
MSVF	Nonsavu	9.50 66	Pn	Pn	23 34 56.6 +1.8
comp=Z.4um,19.6s,baz=247,slo=35					
YSA	Yasawairara	9.63 59	Pn	Pn	23 34 58.4 +1.9
DCTI	Dogotuki	11.60 64	LP	P	23 35 26.7 +3.2
HNR	Honiara	15.06 324	IAMB	IAMB	23 35 11.1 +0.4
comp=Z.48nm,0.7s					
HNR	Honiara	15.06 324	P	Pn	23 36 11.1 +0.4
comp=Z.48nm,0.7s					
GDIS	Gold Coast 1 S	15.33 243	P	P	23 36 18.3 -0.4
EIDS	Eidsvold	16.74 254	P	P	23 36 33.7 -0.7
baza=17,SNR=3.3					
EIDS	Eidsvold	16.74 254	P	Pn	23 36 32.2 -0.2
EIDS	Eidsvold	16.74 254	P	P	23 36 34.0 -0.3
TOZ	Tahuroa Road	16.82 162	P	P	23 36 34.2 -1.0
RKTH	Rockhampton Ha	17.01 261	P	P	23 36 39.8 +1.5
ARMA	Armidale	17.72 238	P	P	23 36 47.4 +2.2
baza=19,SNR=13					
ARMA	Armidale	17.72 238	P	Pn	23 36 44.5 -0.1
ARMA	Armidale	17.72 238	P	P	23 36 47.8 +2.5
URZ	Urewhera	17.82 159	P	P	23 36 46.2 +0.1
comp=Z.0.6nm,0.3s,baz=57,slo=7.1,SNR=11					
URZ			LR	LR	23 41 20.3
comp=Z.18nm,0.9s					
RTZ	Ruatuhana	18.09 159	P	P	23 36 49.1 -0.2
BKZ	Black Stump Fm	18.44 161	P	Pn	23 36 53.5 +0.2
BKZ	Black Stump Fm	18.44 161	P	P	23 36 55.1 +1.8
MRZ	Mangatainoka R	19.59 165	P	P	23 37 05.5 -0.2
comp=Z.171nm,2.0s					
WOLU	Wollongong Har	20.23 228	P	Pn	23 37 15.3 +0.7
AUCCS	Australian Ridg	20.23 228	P	Pn	23 37 20.9 -0.6
AUCCS	Dubbo College	20.81 236	P	P	23 37 20.9 -0.6
KHZ	Kahutara	20.88 170	P	Pn	23 37 23.1 +1.0
comp=Z.24nm,1.3s					
INZ	Inchbonnie	20.93 175	P	P	23 37 20.2 +0.1
INZ			IAMB	IAMB	23 37 28.6
comp=Z.96nm,1.6s					
CTA	Charters Tower	21.25 271	P	P	23 37 26.2 +2.4
CTA	Charters Tower	21.25 271	P	P	23 37 25.2 +1.4
comp=Z.14nm,0.8s,baz=99,slo=12,SNR=13					
CTA			LR	LR	23 45 32.1
comp=Z.787nm,18.1s,baz=94,slo=36					
CTAO	Charters Tower	21.25 271	P	P	23 37 24.1 +0.2
CTAO			IAMB	IAMB	23 37 36.3
comp=Z.152nm,1.9s					
CTAO	Charters Tower	21.25 271	P	P	23 37 26.5 +2.7
CTAO	Charters Tower	21.25 271	P	P	23 37 24.1 +0.2
comp=Z.152nm,2.0s					
CNB	Canberra Magne	21.76 228	P	P	23 37 31.9 +2.6
CNB	Canberra Magne	21.76 228	P	P	23 37 32.2 +3.0
CNB	Rata Peaks	21.89 176	P	P	23 37 31.7 +1.3
comp=Z.5.1nm,0.5s,baz=945,slo=8.0,SNR=2.9					
RPZ			LR	LR	23 45 27.8
comp=Z.933nm,18.7s,baz=352,slo=35					
YNG	Young	21.92 231	P	P	23 37 34.5 +3.6
CAN	Canberra	22.01 228	IAMB	IAMB	23 37 34.1 +1.2
CAN	Canberra	22.01 228	IAMB	IAMB	23 37 35.3 +3.4
CAN	Canberra	22.01 228	P	P	23 37 33.1 +1.2
comp=Z.42nm,1.1s					
CAN	Canberra	22.01 228	P	P	23 37 35.1 +1.4
CAN	Canberra	22.01 228	P	P	23 37 42.4 +1.5
CMSA	Cobar Meteorol	22.87 240	P	P	23 37 40.0 +2.0
CMSA	Cobar Meteorol	22.87 240	P	P	23 37 40.0 +2.0
QLP	Quilpie	23.01 253	P	P	23 37 44.0 +1.6
QLP	Quilpie	23.01 253	P	P	23 37 44.1 +1.6
QLP	Quilpie	23.01 253	P	P	23 37 47.5 +0.8
MTSU	Mount Surprise	23.42 275	P	P	23 37 48.7 +2.0
MTSU	Mount Surprise	23.42 275	P	P	23 37 54.2 -0.8
PMG	Port Moresby	24.30 297	IAMB	IAMB	23 37 57.0
PMG	Port Moresby	24.30 297	P	P	23 37 56.3 +1.3
PMG	Port Moresby	24.30 297	iP	P	23 37 53.3 -1.7
comp=Z.29nm,0.8s					
TOO	Toolangi	25.60 227	P	P	23 38 09.2 +2.5
TOO	Toolangi	25.60 227	P	P	23 38 06.9 +0.3
TOO	Toolangi	25.60 227	P	P	23 38 15.7
TOO	Toolangi	25.60 227	P	P	23 38 09.9 +3.3
TOO	Toolangi	25.60 227	P	P	23 38 06.9 +3.0
TOO			P	P	23 38 09.2 +2.5
comp=Z.25nm,1.0s					
COEN	Coen	25.71 283	P	P	23 38 07.4 -0.4
INMK	Innaminka	26.23 251	P	P	23 38 15.1 +2.7
STKA	Stevens Creek	26.30 242	P	P	23 38 14.9 +2.0
STKA	Stevens Creek	26.30 242	P	P	23 38 13.3 +0.4
STKA	Stevens Creek	26.30 242	P	P	23 38 15.0 +2.0
STKA	Stevens Creek	26.30 242	P	P	23 38 13.5 +0.5
STKA	Stevens Creek	26.30 242	P	P	23 38 14.0 +1.0
comp=Z.7.6nm,0.9s,baz=94,slo=14,SNR=9.2					
STKA			LR	LR	23 47 42.3
comp=Z.756nm,21.3s,baz=64,slo=34					
RAR	Rarotonga	29.09 95	LR	LR	23 47 32.7
comp=Z.115nm,20.8s,baz=315,slo=31					
OOD	Oodnadatta	30.70 252	P	P	23 38 54.0 +1.8
BBOD	Barkly Hills	31.07 242	P	P	23 39 06.0 -0.6
WRO	Warramunga Arr	32.15 267	P	P	23 39 04.3 -0.9
WRO			IAMB	IAMB	23 40 12.6
comp=Z.7.4nm,0.6s					
AS31	Alice Springs	32.31 260	P	P	23 39 06.3 -0.2
ASAR	Alice Springs	32.31 260	P	P	23 39 06.0 -0.6
ASAR	Alice Springs	32.31 260	P	P	23 39 06.7 +0.1
comp=Z.5.7nm,0.7s,baz=83,slo=9.1,SNR=6.9					
ASAR			P	P	23 41 53.4 -0.8
comp=Z.1.3nm,1.0s,baz=115,slo=1.5,SNR=3.8					
ASAR			P	P	23 51 43.5
comp=Z.435nm,20.2s,baz=97,slo=36					
WRAB	Tennant Creek	32.33 267	eP	P	23 39 06.5 -0.2
WRAB			P	P	23 39 06.0 -0.6
comp=Z.12nm,1.7s					
WRA	Warramunga Arr	32.34 267	P	P	23 39 05.5 -1.4
WRA	Warramunga Arr	32.34 267	P	P	23 39 06.2 -0.6
comp=Z.2.9nm,0.7s,baz=96,slo=7.9,SNR=30					
MULG	Mulgathing	32.34 248	P	P	23 39 08.1 +1.4
JAY	Jayapura	33.50 301	P	P	23 39 17.4 +0.4
ASAR	Alice Springs	35.91 279	P	P	23 39 36.5 -1.3
MTN	Manton Dam	37.10 278	P	P	23 39 48.2 +0.3
MTN			IAMB	IAMB	23 41 08.1
WRKA	Warakura	37.33 257	P	P	23 39 49.8 -0.1
WRKA	Warakura	37.33 257	P	P	23 39 50.6 +0.7
FORT	Forrest	37.54 248	P	P	23 39 51.4 -0.1
FORT			IAMB	IAMB	23 39

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like LZH Lanzhou, PMSA Palmer Station, SEY Seymchan, etc.

2017 NOV

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PVCC Panska Ves, BRG Berggiesshubel, KRUC Moravsky, etc.

15d 23h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like LIFNC LIFOU, OUENC Ouen Island, DZM Mont Dzumac, etc.

NOU 15 23:52:20, 1.21:80S; 169:34E, h0km, MLV4.5/8, Southeast of Loyalty Islands
IDC 15 23:52:22.8t.1.1, 21:92S; 169:04E, h0km, mb4.1/7, mbmp4.1/8, ML3.9/1, MS3.7/17, ERK ellipse: s-maj=42.2km s-min=21.5km az=165.0
BGR 15 23:52:24.1, 23:08S; 170:10E, h33km
NEIC 15 23:52:26.9, 1.7, 21:80S; 0.04:168:79E; 0.06, h10km, 1km, mb4.4/12, ERK ellipse: s-maj=9.3km s-min=7.5km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res, ISC. Rows include ABTA, MOTA, SOTA, UBR, FETA.

AEIC 15 23:56:02.21.6, 5.4433N, 0.05:161.49W, 0.04, h21km, 7km, Error ellipse: s-maj=7.1km s-min=3.8km az=174.0

NEIC 15 23:56:00.8.1.4, 54.33N, 0.05:161.48W, 0.05, h9km, 7km, mb3.5/3, ML3.2/14, ML2.6(AEIC), Error ellipse: s-maj=7.0km s-min=4.1km az=179.0, Alaska Peninsula

Main table for 16d 0h section, listing station codes (DT1, PS4A, PVV, etc.) and their corresponding station names, coordinates, and seismic data.

NIED 16 00:02:39.8, 36.19N, 129.46E, h7km, MW3.8, Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm

JMA 16 00:02:39.8, 0.3, 36.19N, 129.46E, h7km, MV4.1/22, S KOREAN PENINSULA REG

ICD 16 00:02:41.7, 1.6, 36.09N, 129.42E, h0km, mb3.2/2, mbtmp3.4/3, ML3.2/1, MS3.3/2, Error ellipse: s-maj=32.9km s-min=11.5km az=58.0

KMA 16 00:02:42.3, 0.3, 36.12N, 129.37E, h8km, 5km, Error ellipse: s-maj=1.5km s-min=1.3km az=71.0

ISK 16 00:02:43.9, 36.04N, 129.14E, h18km, ML4.0/4

KEA 16 00:02:41.7, 1.3, 36.11N, 0.04:129.42E, 0.06, h8km, 11km, n17, r052/22, South Korea

Table for South Korea stations, listing station codes (KSPHA, YOCE, etc.) and their corresponding station names, coordinates, and seismic data.

ISK 16 00:17:01.6, 37.38N, 43.50E, h22km, ML2.3/10

TEH 16 00:16:14.9, 34.40N, 45.59E, h8km, 35km, ML3.8, Iran-Iraq border region

Table for Iran-Iraq border region stations, listing station codes (IDHR, etc.) and their corresponding station names, coordinates, and seismic data.

Main table for 2017 NOV section, listing station codes (IGHG, ILBA, etc.) and their corresponding station names, coordinates, and seismic data.

ICD 16 00:35:01.4, 2.2, 33.76N, 143.26E, h0km, mb3.6/7, mbtmp3.6/8, ML2.7/1, MS2.5/1, Error ellipse: s-maj=83.0km s-min=21.4km az=68.0

JMA 16 00:35:10.7, 0.3, 36.9N, 0.8, 14.4E, h51km, MV3.8/25, FAR E OFF CENTRAL HONSHU

NIED 16 00:35:10.7, 36.91N, 143.79E, h51km, MW3.7, Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm

ICD 16 00:35:08.9, 2.3, 36.97N, 0.09:144.0E, 0.1, h35km, m29, r164/27, mb3.6/7, Off east coast of Honshu

Main table for 2017 NOV section, listing station codes (JIKH, JJKH, etc.) and their corresponding station names, coordinates, and seismic data.

Main table for 2017 NOV section, listing station codes (ANIL, RECR, etc.) and their corresponding station names, coordinates, and seismic data.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MAPC Malpelo, BCIP Isla Barro Col, GMAL Guarumal, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like T42A Van Buren, SAND Sanderson, P52A Corning, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MONP2 Monument Peak, BELC Belle Mtn. Jos, TPFO Pinon Flats, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

IDC 16 01:09:17.1.0.34:57N:45:45E,h0km,mb4.0/14, m1mp4.0/20,ML3.76,MS3.0/4, Error ellipse: s-maj=17.9km s-min=12.0km az=158.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

NAO 16 01:09:17.9.34:13N:45:57E,h33km,mb4.1, Error ellipse: s-maj=22.5km s-min=9.6km az=71.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

OMAN 16 01:09:29.6.0.5.33:48N:45:73E,h10km,mb4.0/17, Error ellipse: s-maj=15.7km s-min=7.9km az=42.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:18.9.0.5.34:44N:0.04:45:54E,h0.4,h18km,n113, g273/130,mb4.0/14,iran-iraq border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:23.4.1.9.51:55N:0.06:174:92W,0.06,h26km,5km, Error ellipse: s-maj=9.3km s-min=5.7km az=176.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:24.7.1.2.34:25N:45:94E,h25km,mb4.4/1, Error ellipse: s-maj=22.5km s-min=9.6km az=71.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:24.6.0.5.33:48N:45:73E,h10km,mb4.0/17, Error ellipse: s-maj=15.7km s-min=7.9km az=42.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:18.9.0.5.34:44N:0.04:45:54E,h0.4,h18km,n113, g273/130,mb4.0/14,iran-iraq border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:23.4.1.9.51:55N:0.06:174:92W,0.06,h26km,5km, Error ellipse: s-maj=9.3km s-min=5.7km az=176.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:24.6.0.5.33:48N:45:73E,h10km,mb4.0/17, Error ellipse: s-maj=15.7km s-min=7.9km az=42.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:24.7.1.2.34:25N:45:94E,h25km,mb4.4/1, Error ellipse: s-maj=22.5km s-min=9.6km az=71.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:24.6.0.5.33:48N:45:73E,h10km,mb4.0/17, Error ellipse: s-maj=15.7km s-min=7.9km az=42.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:18.9.0.5.34:44N:0.04:45:54E,h0.4,h18km,n113, g273/130,mb4.0/14,iran-iraq border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:23.4.1.9.51:55N:0.06:174:92W,0.06,h26km,5km, Error ellipse: s-maj=9.3km s-min=5.7km az=176.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

ISC 16 01:09:24.6.0.5.33:48N:45:73E,h10km,mb4.0/17, Error ellipse: s-maj=15.7km s-min=7.9km az=42.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Anoyia, 16.97 279 Pn, 01 13 15.2 -0.3

16d 1h

M22K	Willow	16.87	43	P	Pn	01 13 19.2 +1.9
CAS7	Castle Rocks	16.91	37	P	P	01 13 20.6 +1.0
I20K	Naahedeneel	16.93	31	P	Pn	01 13 19.3 +1.2
CHUM	Lake Minchumin	17.09	35	P	Pn	01 13 21.7 +1.5
CUT	Chullitna	17.10	41	Iamb	Pn	01 13 20.7 +0.4
CUT	Chullitna	17.10	41	Iamb	Iamb	01 13 58.1
CUT	Chullitna	17.10	41	P	Pn	01 13 22.2 +1.9
G19K	Purcell Moun	17.14	25	P	Pn	01 13 20.5 -0.3
G19K	Purcell Moun	17.14	25	P	Pn	01 13 23.7 +1.7
H20K	Anoteneega Mo	17.29	29	P	P	01 13 24.7 +1.1
E18K	Tukpahleirik C	17.38	19	Iamb	Iamb	01 13 32.0
E18K	Tukpahleirik C	17.38	19	P	Pn	01 13 25.2 +1.5
KTH	Kantishna Hill	17.42	37	Iamb	Pn	01 13 24.9 +0.5
KTH	Kantishna Hill	17.42	37	Iamb	Iamb	01 13 47.5
KNK	Knik Glacier	17.45	45	Pn	Pn	01 13 23.8 -0.9
KNK	Knik Glacier	17.45	45	P	Pn	01 13 25.0 +0.3
F19K	Shalercukik Mo	17.51	23	P	P	01 13 27.3 +1.2
TRF	Thorofore Moun	17.61	38	Iamb	Pn	01 13 27.0 +0.2
TRF	Thorofore Moun	17.61	38	Iamb	Iamb	01 13 34.1
TRF	Thorofore Moun	17.61	38	P	P	01 13 29.7 +2.3
SML	Sawmill	17.66	44	P	Pn	01 13 27.6 +0.3
BPWA	Bear Paw Mtn.	17.70	36	P	P	01 13 29.6 +1.4
H21K	Melozitna Rive	18.03	30	Iamb	Iamb	01 13 31.8 -0.1
H21K	Melozitna Rive	18.03	30	Iamb	Pn	01 13 33.7 +2.0
SCM	Sheep Creek Mo	18.11	45	P	P	01 13 32.1 -0.7
SCM	Sheep Creek Mo	18.11	45	P	P	01 13 33.9 +1.1
E19K	Redstone River	18.14	22	Iamb	P	01 13 31.5 -1.5
E19K	Redstone River	18.14	22	Iamb	Iamb	01 13 41.7
E19K	Redstone River	18.14	22	P	Pn	01 13 35.3 +2.2
F20K	Avaraart Lake	18.19	24	P	Pn	01 13 36.1 +2.5
WAT6	Susitna Watana	18.23	42	P	P	01 13 34.8 +0.6
MCK	McKinley	18.28	38	P	P	01 13 34.8 +0.2
BWN	Browne	18.30	37	Iamb	P	01 13 36.0 +1.2
BWN	Browne	18.30	37	Iamb	Iamb	01 13 52.4
C18K	Utukok River	18.34	16	Iamb	Iamb	01 13 45.0
C18K	Utukok River	18.34	16	P	Pn	01 13 37.1 +1.5
G21K	Allakaket	18.41	27	P	P	01 13 37.3 +1.4
G21K	Allakaket	18.41	27	P	Iamb	01 13 43.5
G21K	Allakaket	18.41	27	P	Pn	01 13 38.2 +1.9
DHY	Denali Highway	18.59	41	P	P	01 13 38.1 -0.1
DHY	Denali Highway	18.59	41	P	P	01 13 38.4 +0.1
KLU	Klutina	18.62	47	P	P	01 13 37.5 -0.9
KLU	Klutina	18.62	47	P	P	01 13 37.6 -0.8
H22K	Ishaititna Cre	18.64	31	P	P	01 13 39.7 +1.2
NEA2	Nenana	18.67	36	P	P	01 13 40.2 +1.4
M24K	Tolsona, Glenn	18.72	45	P	P	01 13 39.0 -0.5
M24K	Tolsona, Glenn	18.72	45	P	P	01 13 40.1 +0.6
D19K	Kuna River	18.79	19	Iamb	P	01 13 40.2 -0.1
D19K	Kuna River	18.79	19	Iamb	Iamb	01 13 47.4
D19K	Kuna River	18.79	19	P	Pn	01 13 42.9 +1.9
I23K	Minto, Yukon-K	18.87	34	Iamb	Iamb	01 13 48.3
I23K	Minto, Yukon-K	18.87	34	P	P	01 13 42.6 +1.6
B18K	Kokokik River	18.89	14	P	Pn	01 13 43.0 +0.9
KAIM	Kayak Island	18.90	52	P	P	01 13 42.9 +1.5
BILL	Bilibino	18.91	338	Iamb	P	01 13 40.7 -0.7
BILL	Bilibino	18.91	338	Iamb	Iamb	01 13 47.8
F21K	Alatna River	18.91	26	Iamb	Iamb	01 13 50.1
F21K	Alatna River	18.91	26	P	Pn	01 13 44.1 +1.7
WRH	Wood River Hill	18.97	37	P	P	01 13 41.5 -0.6
E20K	Nigu River	19.02	21	P	Pn	01 13 44.9 +1.2
C19K	Lookout Ridge	19.03	17	P	P	01 13 45.5 +1.7
CCB	Clear Creek Bu	19.16	37	P	P	01 13 43.4 -0.9
MDM	Murphy Dome	19.17	35	Iamb	P	01 13 44.0 -0.4
MDM	Murphy Dome	19.17	35	Iamb	Iamb	01 13 52.4
H23K	Yukon River	19.20	32	Iamb	Iamb	01 13 53.0
H23K	Yukon River	19.20	32	P	P	01 13 46.0 +1.4
N25K	Chitina, Valde	19.26	47	P	P	01 13 46.0 +0.5
COLA	College	19.26	36	P	P	01 13 44.7 -0.6
COLA	College	19.26	36	Iamb	Iamb	01 13 54.3
COLA	College	19.26	36	P	P	01 13 46.3 +1.0
G22K	Bettles	19.27	28	P	P	01 13 47.1 +1.7
HARP	HAARP	19.27	44	P	P	01 13 46.5 +1.0
D20K	Etlvuk River	19.29	20	P	P	01 13 47.3 +1.6
PAX	Paxson	19.34	43	P	P	01 13 46.7 +0.4
HDA	Harding Lake	19.37	38	P	P	01 13 46.9 +0.4
HDA	Harding Lake	19.37	38	Iamb	Iamb	01 13 52.5
HDA	Harding Lake	19.37	38	P	P	01 13 47.3 +0.7
F22K	John River	19.47	26	P	P	01 13 49.6 +1.9
POKR	Poker Plat Res	19.54	36	Iamb	Iamb	01 13 57.2
POKR	Poker Plat Res	19.54	36	P	P	01 13 50.3 +1.9
K24K	Donnelly Dome	19.55	40	P	P	01 13 49.1 +0.5
IL31		19.57	37	Iamb	Iamb	01 13 54.9
ILAR	Eielson Array	19.57	37	P	P	01 13 45.8 -2.9
ILAR	Eielson Array	19.57	37	P	P	01 13 47.2 -1.4
ILAR	Eielson Array	19.57	37	P	S	01 17 24.3 -2.9
ILAR	Eielson Array	19.57	37	P	LR	01 21 54.3
G23K	Bananza Creek	19.58	30	Iamb	Iamb	01 13 52.2
G23K	Bananza Creek	19.58	30	P	P	01 13 50.5 +1.6
E21K	Kilikik River	19.68	23	P	P	01 13 49.8 -0.1
E21K	Kilikik River	19.68	23	Iamb	Iamb	01 14 09.2
E21K	Kilikik River	19.68	23	P	P	01 13 51.6 +1.7
CRQE	Cirque	19.73	50	P	P	01 13 52.1 +1.5
H24K	Noodor Dome	19.77	33	Iamb	Iamb	01 13 57.7

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H24K	Noodor Dome	19.77	33	P	P	01 13 52.1 +1.2
COLD	Coldfoot	19.85	29	P	P	01 13 54.0 +2.2
MCARA	McCarthy VSAT	19.92	48	P	P	01 13 54.5 +2.0
E22K	Anaktuvuk Pass	20.01	25	Iamb	Iamb	01 14 03.4
E22K	Anaktuvuk Pass	20.01	25	P	P	01 13 55.4 +1.9
C21K	Knifeblade Rid	20.05	21	P	P	01 13 55.8 +2.0
J25K	Salcha River,	20.07	38	P	P	01 13 53.5 -0.7
J25K	Salcha River,	20.07	38	Iamb	Iamb	01 13 58.5
J25K	Salcha River,	20.07	38	P	P	01 13 53.5 -0.7
M26K	Nabesna, AK	20.22	45	P	P	01 13 56.6 +0.8
M26K	Nabesna, AK	20.22	45	P	P	01 13 56.4 +0.6
B20K	Meade River	20.25	18	P	P	01 13 56.8 +0.8
L26K	Log Cabin Wild	20.27	43	P	P	01 13 55.3 -1.0
D22K	Aiyikyak River	20.33	23	Iamb	Iamb	01 14 03.2
D22K	Aiyikyak River	20.33	23	P	P	01 13 57.1 +0.2
SCRK	Sand Creek	20.35	41	P	P	01 13 56.6 -0.7
SCRK	Sand Creek	20.35	41	P	P	01 13 56.7 -0.6
G24K	Hadweenzic Riv	20.39	32	P	P	01 13 57.3 -0.3
G24K	Hadweenzic Riv	20.39	32	Iamb	Iamb	01 14 19.3
G24K	Hadweenzic Riv	20.39	32	P	P	01 13 58.0 +0.4
PRP	Porcupine Dome	20.44	36	P	P	01 13 59.0 +0.7
B21K	Ikpikpik River	20.45	20	P	P	01 13 57.7 -0.5
B21K	Ikpikpik River	20.45	20	Iamb	Iamb	01 14 03.1
B21K	Ikpikpik River	20.45	20	P	P	01 13 59.0 +0.8
E23K	Chandalar	20.57	27	P	P	01 14 00.2 +0.6
CTG	Chitna Glacier	20.61	50	P	P	01 14 00.4 +0.2
M27K	Edge Creek, AK	20.70	46	P	P	01 14 01.4 +0.2
M27K	Edge Creek, AK	20.70	46	P	P	01 14 01.3 +0.1
H25L	Birch Creek	20.71	34	P	P	01 14 02.7 +1.7
J26L	Joseph Creek	20.73	39	P	P	01 14 01.0 -0.4
J26L	Joseph Creek	20.73	39	Iamb	Iamb	01 14 06.7
J26L	Joseph Creek	20.73	39	P	P	01 14 00.9 -0.4
F24K	Squaw Lake	20.74	29	Iamb	Iamb	01 14 21.5
F24K	Squaw Lake	20.74	29	P	P	01 14 03.3 +1.9
SEY	Seymchan	20.80	316	P	Pn	01 14 03.6 -1.1
SEY	Seymchan	20.80	316	P	LR	01 22 25.3
G25K	Beaman Lake	20.88	32	P	P	01 14 04.0 +1.2
D23K	Nanushuk River	20.89	24	P	P	01 14 04.6 +1.6
E24K	Your Creek	20.90	28	Iamb	Iamb	01 14 09.5
E24K	Your Creek	20.90	28	P	P	01 14 04.5 +1.4
L27K	Beaver Creek,	20.93	44	P	P	01 14 04.8 +1.2
TOLK	Toolik Lake Re	20.96	26	Iamb	Iamb	01 14 10.9
TOLK	Toolik Lake Re	20.96	26	P	P	01 14 05.2 +1.3
PINM	Pinnacle	20.99	53	P	P	01 14 04.6 +0.5
FYU	Fort Yukon	21.07	33	P	Iamb	01 14 04.6 -0.3
FYU	Fort Yukon	21.07	33	Iamb	Iamb	01 14 11.3
O28M	Mount Upton	21.13	51	P	P	01 14 06.4 +0.4
K27K	Chicken	21.15	41	P	Iamb	01 14 11.8
K27K	Chicken	21.15	41	P	P	01 14 06.4 +0.6
K27K	Chicken	21.15	41	P	P	01 14 11.8
BVCY	Beaver Creek	21.18	46	P	P	01 14 07.9 +1.8
YUK3	Moose Creek	21.20	48	P	P	01 14 06.6 -0.1
I26K	Cool Creek Min	21.22	38	P	P	01 14 06.7 +0.1
B22K	Teshhepuk Lake	21.27	20	P	P	01 14 08.0 +1.0
YUK8	Steele Glacier	21.43	49	P	P	01 14 09.6 +0.5
F25K	Christian River	21.48	31	P	P	01 14 11.0 +1.6
A22K	Sinclair Lake	21.49	18	P	P	01 14 08.6 -0.7
D24K	Happy Valley	21.51	25	Iamb	Iamb	01 14 13.5
D24K	Happy Valley	21.51	25	P	P	01 14 10.6 +1.0
C23K	Itlikik River	21.53	23	P	P	01 14 10.6 +0.8
BMAR	Burnt Mountain	21.74	32	P	P	01 14 12.1 0.0
EGAK	Porcupine Rive	21.76	33	P	P	01 14 12.4 +0.2
G26K	Eagle	21.79	40	P	Iamb	01 14 12.6 -0.1
EGAK	Eagle	21.79	40	Iamb	Iamb	01 14 38.1
EGAK	Eagle	21.79	40	P	P	01 14 13.0 +0.3
E25K	Arctic Village	21.80	30	P	Iamb	01 14 12.8 0.0
E25K	Arctic Village	21.80	30	Iamb	Iamb	01 14 19.0
E25K	Arctic Village	21.80	30	P	P	01 14 13.3 +0.5
C24K	Franklin Bluff	21.93	24	P	P	01 14 14.4 +0.4
I27K						

16d 1h

Table with columns: DZM, WRA, ASAR, GERES. Includes station names like Warramunga Arr, Alice Springs, and GERES Array B with associated coordinates and parameters.

BGR 16 01:42:39.8,41.7171N,81.80E,h33km,mb5.0
IDC 16 01:42:54.1,0.5,41.77N,77.41E,h0km,mb4.4/25,
mbtmp4.4/32,ML3.8/7,MS3.7/44,Error ellipse:
s-maj=9.0km s-min=8.2km az=19.0
MOS 16 01:42:55.4,1.2,41.83N,77.51E,h17km,mb4.9/51,Error
ellipse: s-maj=4.3km s-min=3.3km az=116.1
MOS Feit (H-IJ) at Almaty, Saty.
NEIC 16 01:42:56.8,1.3,41.75N,0.09,77.58E,0.08,h32km,5km,
mb4.9/85,Error ellipse: s-maj=13.8km s-min=8.1km
az=158.0
KRNET 16 01:42:56.4,0.1,41.89N,77.43E,h19km,mb5.0
BUI 16 01:42:56.8,0.0,41.95N,77.43E,h20km,mb4.5/22,
mb4.5/13,ML4.7/6,Ms4.1/13,Ms7.3/9/12
NNC 16 01:42:57.0,5.4,41.97N,77.46E,h0km,mb5.5,mpv5.4,
Error ellipse: s-maj=3.4km s-min=1.9km az=172.0
KNET 16 01:42:57.6,0.3,41.97N,77.36E,h10km,mb4.9,Error
ellipse: s-maj=4.6km s-min=1.9km az=33.0
SOME 16 01:42:57.3,42.00N,77.43E,h10km,MS4.2
ISC 16 01:42:56.0,0.4,41.90N,0.02,77.37E,0.01,h9km,2km,
h9km,p-P,n511,179/60Z,mb4.8/120,MS3.7/48,
68C-83D,Kyrgyzstan-Xinjiang border region

Main table for 16d 1h section with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like Taragay, Ulhal, Przheval'sk, Naryn, etc.

2017 NOV

Main table for 2017 NOV section with columns: KURS Kuram, Kuram, KURS, UZB, DGS, etc. Lists stations like Kuram, Degeres, Karatobe, etc.

1110

Main table for 1110 section with columns: BLB, USP, USP, USP, USP, etc. Lists stations like Oshpenovka, Sogindya, Kashi, etc.

1113

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res h m s ISC. Includes stations like KAN13 South Haven SW, BLOK Blackwell, BLOK comp=E,2um,0.3s, KAN01 Argonia South, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res h m s ISC. Includes stations like FCAR Ozark Folk Cen, FCAR comp=Z,32nm,0.8s, WLAR White Oak Lake, etc.

16d 3h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res h m s ISC. Includes stations like ZALV 1.4nm,0.3s,baz=72,slow=16,SNR=17, KURBB Kurchatov Arra, KURBB comp=N,2um,0.5s, etc.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like KMI, CHTO, XAN, BELA, PZH, XLT, CD2, HHC, MA2, TNCH, BTO, ZEA, ELIB, L14K, TROLL, M16K, NVL, NVL, NVL, SNA, SNA, SNA, SNA, M17K, CNPM, VNA3, VNA2, SHL, SHL, SHL, VNA1, L18K, ULN, ULN, SONM, YAK, YAK, YAK, YAK, BILA, BILA, ISA, ISA, CAST, NVAR.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like ZAK, ILAR, TIXI, G30M, WMQ, BRVK, ARU, Y60A, BELG, ARCS, KLMM, KLMM, KLMM, BDFB, M05, KIV, OBN, SOC, SOC, SOC, FINES, NRS, NRS, NRS, NACGM, AKASO, NOA, BURAR, KOLS, KRVS, CRVS, PSZ, PSZ, MORC, MORC, OSTC, OSTC, MYHS, MYHS, CHVC, CHVC, KRLL, KRLL, DPC, DPC, JAVC, VRAC, SMOL, PVCC, PVCC, BRG, BRG, BRG, FLTG, CLL, CLL, CLL, CLL, KRUC, RICC, FBE, NRDL, GOPC, GOPC, PRA, PRA, PRU, PRU, ASSE, ASSE, HSKC, HSKC, ZVC, DIVA, ROSA, EKA, GUNZ, NKC, NKC, CONA, CKRC, CKRC, KHC, KHC, MANZ, GE2C, GE2C, GERES, GERES, GERES, GERES, UBBA, KASTN, MOA, GRF, GRF, GRFO, GRFO, BUG, SOKA, BIOA, TNS, KBA, LJU, LESA, MYKA, BTEL, BTEL, CADS, BHOU.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like ABTA, WATA, WTTA, BCLA, BGES, STAL, MOAL, SQT, RETA, RCHB, BMRD, WLF, WLF, WLF, WLF, DOU, FETA, BFO, BFO, DAVA, CTI, CFI, DAVOX, ECH, ECH, SALO, NRCA, CAMP, INTR, SENH, ESOC, TORO, TORO, TORO.

Table with columns for Code, Station Name, Az, Phase, Op, ISC, Time, Res. Includes stations like BLK, HANT, BTHT, TROT, SGTN.

IDC 16 03:35:11.1-0.7, 21.695:168.766, h0km, mb4.4/15, mbmt4.4/18, ML4.2/3, Error ellipse: s-maj=19.0km s-min=17.5km az=93.0

NEIC 16 03:35:18.2-1.7, 21.665:0.06:168.46E:0.4, h10km, 1km, Mb5.0/43, Error ellipse: s-maj=10.5km s-min=5.0km az=23.0

BGR 16 03:35:21.0, 20:29S:171.68E, h33km, Ms4.9

GCMT 16 03:35:20.2, 0.3:21.60S:0.04:168.71E:0.03, h22km, MW5.0/96, Moment Tensor Solution, s22:c23; s96:c124; Duration: 0 Moment tensor: Scale 1019Nm; Mr=5.30e-36; Mw=1.97e-31; Mv=3.33e-21; Mn=0.80e-35; Ms=1.06e-11; M1=1.0e-33; Best double couple: M4=75100x1016 Np1=342.00000; 850.00000; A=77.00000; NP2: 0.14300000; 842.00000; A=105.00000; Principal axes: T 3.9490, Plg4.0000; Azm63.0000; N 1.6040, Plg10.0000; Azm154.0000; P -5.5520, Plg79.0000; Azm312.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 16 03:35:16.4-0.4, 21.58S:0.06:168.65E:0.05, h20km, n146, e1988/143, mb4.8/37.5C, Loyalty Islands

Table with columns for Code, Station Name, Az, Phase, Op, ISC, Time, Res. Includes stations like MARNC, MARNC, PINNC, LIFINC, DZM, DZM, DZM, DZM, ONTNC, KOUNC, MSVFC, EIDS, EIDS, RTZ, BKZ, MRNZ, THW, THW, CTA, CTA, CTA, INZ, RPZ, RPZ, PMG, COEN, COEN, TOO, STKA, MANU, WRO, WRO, WRO, WB2, WRAB, WRAB, WRA, WRA, AS31, ASAR, ASAR.

16d 3h

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Manton Dam, Forrest, Fak Fak, etc.

2017 NOV

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like MOX, IBBN, CKRC, etc.

1118

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like SNA, VNA3, VNA2, etc.

16d 5h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GVD Gavdhos, GVDs Gavdos, GVDs Gavdos, etc.

DJA 16 04:39:21.6-0.9,0°N,10°12'32"E, h126km±16km, M4.0/8, mb4.2/2, mb5.7/1, MLV3.9/8, Mw(mb)5.2/1, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GTOI Gorontalo, KMSI Cibinong, MRSI Marisa, etc.

IDC 16 04:40:06.9-1.5,35°01'N,23°43'E, h0km, mb3.8/7, mbmp3.7/9, ML3.3/2, Error ellipse: s-maj=31.5km s-min=24.9km

ATH 16 04:40:13.6-34.81'N,23°51'E, h48km±5km, ML3.2/5, Error ellipse: s-maj=6.5km s-min=1.9km az=80.0

THE 16 04:40:15.1, 34.86'N,23°59'E, h12km±1km, ML3.0/4, Error ellipse: s-maj=2.3km s-min=1.0km az=199.0

ISC 16 04:40:11.3-1.6,34.83'N,07°23.44E±0.06, h31km±10km, n35, r1546/44, mb3.6/7, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GVD Gavdhos, GVDs Gavdos, GVDs Gavdos, etc.

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Table with columns: VLI, Veliiai, 1.93 348 P, P, 04 40 46.3 +0.5, etc. Includes stations like VLI Veliiai, THR5 Thira Island, SNT5 Nea Kammeni, etc.

IDC 16 04:50:58.9-1.0,31°62'N,139°66'E, h0km, mb3.8/9, mbmp3.8/9, MS2.9/2, Error ellipse: s-maj=36.1km s-min=19.7km az=86.0

JMA 16 04:51:00.2-0.3,32°1'N,133°9'E, h0km, MV3.5/16, NEAR TORISHIMA IS

ISC 16 04:51:04.1-0.9,31°61'N,109°139'66"E, h10, h35km, n26, r1546/16, mb3.8/9, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHUJ Mitsune, JHUJ Hachiojima, TK02 Tokai 2, etc.

IDC 16 05:00:05.9-1.0,36°37'S,97°51'W, h0km, mb3.8/9, mbmp3.8/9, MS3.8/15, Error ellipse: s-maj=31.4km s-min=23.2km az=63.0

NEIC 16 05:00:12.2-1.5,36°7'S,01°19'7"W, h0.2, h10km±1km, mb4.5/33, Error ellipse: s-maj=21.4km s-min=18.7km az=272.0

ISC 16 05:00:11.3-0.6,36°69'S,009°97'1W, h0.1, h10km, n65, r1564/41, mb4.4/24, MS3.8/14, West Chile Rise

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RPN Rapa Nui, H03S2 Juan Fernandez, H03S1 Juan Fernandez, etc.

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Table with columns: EFI, East Falkland, 31.31 131 P, P, 05 06 33.1 +1.7, etc. Includes stations like EFI East Falkland, LPAZ La Paz, LPAZ La Paz, etc.

IDC 16 05:16:09.4-7.3,37°25'N,72°24'E, h184km±43km, mb3.2/6, mbmp3.6/9, Error ellipse: s-maj=31.6km s-min=23.1km az=159.0

NNC 16 05:16:23.7-1.8,37°90'N,72°19'E, h200km±37km, mb2.4, mpv3.5, Error ellipse: s-maj=27.4km s-min=9.9km az=25.0

ISC 16 05:16:14.8-0.8,37°31'N,103°07'E, h195km±28km, n28, r1563/30, mb3.5/6, SC-3Z, Tajikistan

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ARCES ARCESS Array B, NOA NORSR Array B, ESDC Sonseca Array, etc.

NEIC 16 05:17:02.6:0.9, 18.0S:0.1x174.9W:0.1, h212km, 11km, mb4.1/18, Error ellipse: s-maj=19.8km s-min=16.3km az=69.0

IDC 16 05:17:09.3:4.7, 18.15S:175.05W, h281km, 40km, mb3.6/5, mbtmp4.1/6, Error ellipse: s-maj=43.5km s-min=28.3km az=132.0

ISC 16 05:17:02.6:0.7, 17.88S:0.10x174.84W:0.10, h228km, n28, r131/27, mb4.0/14, Tonga Islands

Main table section 1, containing station data for various stations including NIUE, AFI, MSVF, DZM, RTZ, BHW, EIDS, ARMA, COEN, STKA, BBOO, WR0, WB0, WB2, WRA, AS31, ASAR, KNRA, NWA0, GSPA, MDM, ILAR, etc.

IDC 16 05:27:04.3:0.9, 21.54S:168.81E, h0km, mb4.1/9, mbtmp4.1/10, ML3.5/1, MS3.4/7, Error ellipse: s-maj=26.9km s-min=22.5km az=144.0

NEIC 16 05:27:05.1:1.8, 21.49S:0.17x168.74E:0.05, h10km, 1km, mb4.0/17, Error ellipse: s-maj=12.0km s-min=7.8km az=3.3

NOU 16 05:27:05.1:21.59S:168.77E, h0km, MLV4.3/8, Loyalty Islands

BGR 16 05:27:07.6:20.07S:176.43E, h33km

ISC 16 05:27:05.3:0.6, 21.48S:0.08x168.74E:0.07, h10km, n68, r109/67, mb4.5/18, MS3.4/5, 4D, Loyalty Islands

Main table section 2, continuing station data for stations like MARNC, LIFNC, PINNC, DZM, CTX, STKA, BBOO, WR0, WB0, WRB, WR2, WRAB, WRA, AS31, ASAR, MTN, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PSA00, NWA0, TOLIZ, KKM, KSM, MJAR, ERM, GSPA, CMAR, BELA, KDAK, TROLL, SNA, SNA, SNA, VNA3, VNA2, ILAR, etc.

IDC 16 05:32:23.2:1.6, 37.97N:21.13E, h0km, mb3.6/7, mbtmp3.6/7, MS2.8/1, Error ellipse: s-maj=39.4km s-min=26.9km az=112.0

TIR 16 05:32:24.6:37.89N:20.61E, h120km, 5km, Md5.2, Ml3.4, THE 16 05:32:26.6:37.75N:21.18E, h15km, 1km, ML3.2/8, Error ellipse: s-maj=1.8km s-min=0.7km az=179.0

ATH 16 05:32:27.9:37.82N:21.15E, h11km, 2km, ML3.3/11, Error ellipse: s-maj=2.8km s-min=1.1km az=345.0

PDG 16 05:32:28.0:1.5, 37.84N:21.22E, h16km, 3km, ML3.5/5, Error ellipse: s-maj=4.9km s-min=3.7km az=926.0

ISC 16 05:32:26.4:0.9, 37.77N:21.03E:0.2, h20km, 6km, n83, r139/114, mb3.6/7, 2C-5D, Southern Greece

Main table section 3, continuing station data for stations like ARCES, CLL, ZVC, EKA, RONA, CONA, CKRC, GRES, ARSA, GRF, LESA, WATA, MOTA, SQTA, FETA, DAVA, ESDC, LTHK, etc.

IDC 16 05:32:27.9:37.82N:21.15E, h11km, 2km, ML3.3/11, Error ellipse: s-maj=2.8km s-min=1.1km az=345.0

PDG 16 05:32:28.0:1.5, 37.84N:21.22E, h16km, 3km, ML3.5/5, Error ellipse: s-maj=4.9km s-min=3.7km az=926.0

ISC 16 05:32:26.4:0.9, 37.77N:21.03E:0.2, h20km, 6km, n83, r139/114, mb3.6/7, 2C-5D, Southern Greece

Main table section 4, continuing station data for stations like LTHK, KR11, RLS, RLS, RLS, LXRI, LXRA, LXRA, LXRA, KEF4, KEF4, KEF3, KEF3, AST1, DMLN, DMLN, VSK1, LAKA, LAKA, LAKA, LAKA, FSK, FSK, KLV, KLV, KLV, ALIK, ALIK, ALIK, EVGI, EVGI, EVGI, EVGI, EVGI, EVGI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NYDR, NYDR, DRAG, DRAG, DRAG, DRAG, LK2D, LK2D, LK2D, LK2D, LK2D, LK2D, etc.

IDC 16 05:38:17.1:3.9, 53.52N:87.87E, h0km, mb3.1, mpv2.8, Error ellipse: s-maj=37.1km s-min=22.2km az=47.0

Superseded Mining explosion

IDC 16 05:38:13.0:2.1, 52.35N:100.46E:0.1, h0km, n7, r133/10, 3C-4D, Southwestern Siberia

Main table section 5, continuing station data for stations like NYDR, NYDR, DRAG, DRAG, DRAG, DRAG, LK2D, LK2D, LK2D, LK2D, LK2D, LK2D, etc.

16d 5h

Table with columns for station name, time, and other identifiers. Includes stations like KURBB, MK31, and MKAR.

IDC 16 05:42:48.0,2.5,5.85S;130.48E,h0km,mb3.6/1, m100,0.3s,baz=29,s1ow=13,SNR=4.8

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BNDI, SAUI, and MKAR.

DJA 16 05:50:56.7,0.4,7.3S;13.10E,h184km,13km,M4.6/10, mb4.3/6,mB5.2/5,MLV4.7/10,Mw(mB)4.5/5

IDC 16 05:51:02.5,7.1,6.80S;129.62E,h207km,67km,mb3.5/4, m100,0.4s,baz=34,SNR=14,SNR=25

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SAUI, BNDI, and MKAR.

IDC 16 05:52:08.3,0.7,25.57N;141.50E,h0km,mb4.1/14, m100,0.3s,baz=34,SNR=22,SNR=7

JMA 16 05:52:10.5,0.2,5.25N;160.04E;14.1E,h44km,MV4.1/4, IOT0 ISLANDS REGION

NEIC 16 05:52:12.6,1.4,25.57N;107.141.54E;0.08,h22km,6km, mb4.6/42,Error ellipse: s-maj=13.7km s-min=4.1km az=135.0

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JHH2, CBJJ, and KSR5.

2017 NOV

Main table with columns for station name, time, and other identifiers. Includes stations like H11N1, H11N2, H11N3, H11S1, H11S2, KLR, BJT, HEH, etc.

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Table with columns for station name, time, and other identifiers. Includes stations like NEW Newport, FINES, NVAR, AKASG, NOA, PDAR, BORG, H03N2, H03N3, H03N1, LPAZ.

IDC 16 05:54:03.2,2.35;86N;10.36W,h0km,mb3.7/5, m100,0.3s,baz=26,SNR=8.0

MDD 16 05:54:09.7,0.1,35.84N;10.22W,h30km,mb.Lg4.1/55, Error ellipse: s-maj=2.3km s-min=1.1km az=131.0

CNRN 16 05:54:09.1,35.88N;10.34W,h36km,ml4.2, LDG 16 05:54:11.3,0.1,35.90N;10.11W,h20km,ML3.7/13,Error ellipse: s-maj=2.5km s-min=1.8km az=108.0

IGIL 16 05:54:12.3,35.90N;10.07W,h33km,ML3.8, INMM 16 05:54:12.4,1.6,35.90N;10.07W,h32km,8km,ML3.6, Error ellipse: s-maj=6.2km s-min=3.7km az=73.0

ISC 16 05:54:08.5,1.0,35.88N;10.04;11.0Z,0.05,h41km,13km, m207,0.65;287,mb3.7/5,5C-5D,Attores-Cape St. Vincent Ridge

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PFVI, MORF, PTEO, PBDV, PCVE, etc.

16d 7h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MJAR, JNU, QSPA, BELA, SNA, etc.

SJA 16 06:23:01.8-0.7, 22.99S x 70.14W, h57km, 5km, ML3.5, MW3.

GUC 16 06:23:04.0-0.8, 22.93S x 70.09W, h52km, 3km, ML 3.4

IDC 16 06:23:52.0-5.9, 17.96S; 68.89W, h368km, 99km, mb3.1/1, mbmp3.8/1, Error ellipse: s-maj=177.1km s-min=80.0km az=169.0

ISC 16 06:23:04.6-1.1, 22.94S; 0.02-70.12W, h105km, 11km, n35, e195/57, 3C-3D, Near coast of northern Chile

Main table listing stations and their parameters. Includes stations like IPOC Station P, PB06, PB04, etc.

2017 NOV

comp=Z, 0.4nm, 0.7s, bsz=341, slow=3.1, SNR=3.6

IDC 16 06:25:03.0-3.4, 53.50N; 87.41E, h0km, mbtmp3.2/2, ML2.4/2, Error ellipse: s-maj=32.8km s-min=17.5km az=61.0, Southwestern Siberia

Table listing stations I46RU, ZALV, ZALV, KURBB, MKAR with their respective parameters.

IDC 16 06:30:05.9-3.4, 54.56N; 86.72E, h0km, mbtmp2.8/2, ML2.6/2, Error ellipse: s-maj=27.6km s-min=19.3km az=50.0, Southwestern Siberia

Table listing stations I46RU, ZALV, ZALV, KURBB, MKAR with their respective parameters.

SCB 16 06:30:28.0-1.3, 19.03S; 67.87W, h194km, 19km, ML2.8/2, MW3.2, Error ellipse: s-maj=5.1km s-min=4.1km az=1.0

IDC 16 06:30:30.8-8.0, 18.50S; 67.62W, h230km, 45km, mb3.4/1, mbmp3.7/4, Error ellipse: s-maj=138.2km s-min=35.0km az=23.0

ISC 16 06:30:26.7-1.1, 18.39S; 0.06-67.77W, h200km, n17, n155/20, Central Bolivia

Table listing stations SOEO, SOET, MBOC, HMBOC, PB12, PB12, PB12, LPZA, LPZA, LPZA, MOCB, PB02, YJA, YJA, PB06, SIV, BDFB, TORO with their respective parameters.

IDC 16 06:35:10.2-2.7, 54.18N; 86.34E, h0km, mbtmp3.1/2, ML2.5/2, Error ellipse: s-maj=21.3km s-min=12.2km az=60.0, Southwestern Siberia

Table listing stations I46RU, ZALV, ZALV, KURBB, MKAR with their respective parameters.

IDC 16 06:35:12.4-2.2, 21.90S; 169.06E, h0km, mb3.9/3, mbmp3.9/3, MS3.3/6, Error ellipse: s-maj=62.6km s-min=39.7km az=33.0

NOU 16 06:35:23.9, 21.96S; 168.31E, h0km, MLV3.5/7, Loyalty Islands

ISC 16 06:35:16.9-1.5, 21.8S; 0.2-169.1E, h035km, n20, n059/14, mb4.5S, MS3.2/4, Southeast of Loyalty Islands

Main table listing stations like MARE, PINN, LIFOC, OUCN, DZM, ONTC, MSVF, CTA, RPZ, STKA, ASAR, WRA, GSPA, TROLL, SNA, VNA3, VNA2, GERES with their respective parameters.

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Table listing stations I46RU, ZAAO, ZAAO, ZALV, ZALV, KURBB, KURBB, MK31, MK31, MKAR, MKAR, MKAR, MKAR, BVAR, BVAR with their respective parameters.

IDC 16 06:58:58.6-5.9, 21.11S; 168.91E, h0km, mb3.9/2, mbtmp3.9/3, ML3.5/1, Error ellipse: s-maj=212.1km s-min=46.3km az=145.0, Loyalty Islands

Table listing stations DZM, DZM, WRA, WRA, ASAR, ASAR, GERES, GERES with their respective parameters.

IDC 16 07:02:34.6-0.3, 21.49S; 168.77E, h0km, mb5.1/25, mbtmp5.1/28, ML4.6/2, MS5.3/11, Error ellipse: s-maj=10.7km s-min=7.8km az=70.0

MOS 16 07:02:36.1-1.0, 21.48S; 168.52E, h10km, mb5.7/43, MS5.4/14, Error ellipse: s-maj=8.7km s-min=7.3km az=39.7

NOU 16 07:02:37.4, 21.34S; 168.63E, h6km, ML5.6/141, Loyalty Islands

IPG 16 07:02:38.2, 21.52S; 168.48E, h8km, Mw5.9, Fault plane solution: NP1: 310.00000, 847.00000, 1-86.00000

NEIC 16 07:02:38.2, 21.54S; 168.50E, h12km

NEIC 16 07:02:38.1, 21.54S; 168.50E, h10km, 1km, mb5.6/96, Ms=20.5, Mw5.8/15, Mw5.5/943, Error ellipse: s-maj=12.9km s-min=10.0km az=143.0

NEIC 16 07:02:38.2, 21.54S; 168.50E, h12km, Moment Tensor Solution. Moment tensor: Scale 1017Nm; Mw=2.03, Mw5.338, Mw=0.02, 1-Mw=2.18; Mw=1.84; Fault plane solution: Ms=540000, 10.17; NP1: 3151.80000, 854.38000, 1-80.84000; NP2: 316.33000, 836.63000, 1-102.52000

NEIC 16 07:02:38.2, 21.54S; 168.50E, h12km, Moment Tensor Solution. Duration: 466 Moment tensor: Scale 1017Nm; Mw=1.97; Mw5.27; Mw=0.70; Mw=1.62; Mw=3.29; Mw=3.91; Fault plane solution: Ms=75000, 10.17; NP1: 148.50000, 859.38000, 1-82.97000; NP2: 114.89000, 831.34000, 1-101.69000

NEIC 16 07:02:38.1, 21.54S; 168.50E, h12km, Moment Tensor Solution. Duration: 466 Moment tensor: Scale 1017Nm; Mw=1.97; Mw5.27; Mw=0.70; Mw=1.62; Mw=3.29; Mw=3.91; Fault plane solution: Ms=75000, 10.17; NP1: 148.50000, 859.38000, 1-82.97000; NP2: 114.89000, 831.34000, 1-101.69000

BUI 16 07:02:39.3, 20.0, 20.0, 20.0, 20.0, 68S; 168.37E, h8km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

GCMT 16 07:02:43.1-0.1, 21.45S; 168.57E, h12km, MW5.9/171, Moment Tensor Solution. s146.c291; s171.c529; Duration: 281 Moment tensor: Scale 1018Nm; Mw=0.71; Mw=0.26; Mw=0.45; Mw=0.10; Mw=0.10; Mw=0.35; Mw=0.28; Mw=0.01; Best double couple: Mw=780000, 10.18; NP1: 150.00000, 856.00000; NP2: 83.00000, NP2: 316.33000, 836.63000, 1-102.52000

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

ISC 16 07:02:38.1, 21.45S; 168.57E, h12km, mb5.1/66, mb5.8/73, Ms5.4/78, Ms7.5/174

Table with columns: Call Sign, Name, Time, Frequency, Mode, and other parameters. Includes entries like G23K Bananza Creek, O30N Mendenhall, J26L Joseph Creek, etc.

Table with columns: Call Sign, Name, Time, Frequency, Mode, and other parameters. Includes entries like 425A Indio Mountain, G31M Satah River, KOTAN Kotanelee Air, etc.

Table with columns: Call Sign, Name, Time, Frequency, Mode, and other parameters. Includes entries like MNK MNK, MNK MNK, MNK MNK, etc.

Table with columns: Code, Station Name, Time, Res, and various status indicators. Includes stations like HSKC, FRGS, VADY, etc.

Table with columns: Code, Station Name, Time, Res, and various status indicators. Includes stations like PMRV, PMTG, PMTA, etc.

Table with columns: Code, Station Name, Time, Res, and various status indicators. Includes stations like ASAJ, Asahikawa, TAJON, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes entries like GTTG Gottingen, WERN Wernitzgruen, NKNC Noyv Kostel, etc.

IDC 16 07:31:38.9z-2.6, 19.06Sx169.34E, h269km, mb26km, mb3.7/13, mbtmp4.3/4, Error ellipse: s-maj=18.4km

IC 16 07:31:36.8z-1.1, 19.15S, 0.1x169.29E, 0.10, h246km, n20, 0.097/20, mb3.9/13.4D, Vanuatu Islands

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes entries like MSFV Nonsavu, HNR Honiara, CTA Charters Tower, etc.

IDC 16 07:32:00.7z-9.4, 4.46N, 124.77E, h326km, mb3.3/6, mbtmp4.0/7, Error ellipse: s-maj=53.6km s-min=16.9km

IC 16 07:31:58.1z-1.4, 4.6N, 0.1x124.9E, 0.3, h300km, n7, 0.057/17, mb3.5/5, Celebes Sea

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes entries like KAPI Kappang, LEM Lembang, WRA Warramunga Arr, etc.

IDC 16 07:33:31.3z-1.3, 21.57S, 168.74E, h0km, mb4.2/5, mbtmp4.2/6, ML4.1/1, Error ellipse: s-maj=34.8km

NEIC 16 07:33:07.1z-1.1, 21.48S, 0.07x168.70E, 0.03, h10km, 1km, mb4.5/8, Error ellipse: s-maj=11.7km s-min=4.7km

ISC 16 07:33:34.0z-0.9, 21.48S, 0.10x168.67E, 0.10, h20km, n30, 0.084/31, mb4.5/10, 4L, Loyalty Islands

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes entries like MARNC Mare, Loyalty, LFINC LIFOU, etc.

IDC 16 07:34:38.6z-3.7, 54.45N, 86.81E, h0km, mbtmp2.6/2, ML2.3/2, Error ellipse: s-maj=32.8km s-min=18.5km

IC 16 07:34:38.6z-3.7, 54.45N, 86.81E, h0km, mbtmp2.6/2, ML2.3/2, Southwestern Siberia

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes entries like H46RU ZALESOV INFRA, ZALV Zalesov Beam, etc.

IDC 16 07:34:48.1z-3.0, 21.7S, 168.68E, h0km, mb4.1/4, mbtmp4.1/5, Error ellipse: s-maj=144.2km s-min=30.0km

IC 16 07:34:54.0z-0.3, 21.7S, 1.0x168.6E, 0.4, h35km, n6, 0.072/6, mb4.0/4, Loyalty Islands

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes entries like DZM Mont Dzumac, ASAR Alice Springs, etc.

IDC 16 07:35:21.8z-7.3, 20.70S, 167.51E, h0km, mb4.0/3, mbtmp4.0/3, Error ellipse: s-maj=148.5km

IC 16 07:35:21.8z-7.3, 20.70S, 167.51E, h0km, mb4.0/3, mbtmp4.0/3, Loyalty Islands

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes entries like DZM Mont Dzumac, WRA Warramunga Arr, etc.

Azm47.00000; NEIC 16 07:37:20.5z-2.1, 21.50S, 168.64E, h14km, NOU 16 07:37:20.5z-2.1, 21.51S, 168.55E, h0km, mb5.3/14, Loyalty Islands

NEIC 16 07:37:21.9z-2.1, 21.51S, 168.57E, h10km, GMCM 16 07:37:25.0z-0.1, 21.36S, 0.01x168.50E, 0.01, h15km

MW5.3/139, Moment Tensor Solution. s71, c117; s139, c226; Duration: 1s1 Moment Tensor: Scale 1017

Nm: Mm-1.15z-0.3; Mw0.73z-0.2; Mw0.42z-0.2; Mw0.25z-0.4; Mw0.49z-0.1; Mw0.40z-0.4; Best double couple: M1-2010001017, M2-14500000, B49000000, 1-6500000; NP2-28900000; S4700000

Az-116.000000; Principal axes: T-1.0910, P1g1.00000, Azm217.00000; N-0.2200, P1g19.00000; Azm307.00000; P-1.3120, P1g71.00000; Azm124.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 16 07:37:22.1z-0.4, 21.44S, 0.04x168.60E, 0.04, h21km, 4km, n744, s1919/721, mb5.3/102, MS4.8/37, 14C-31D, Loyalty Islands

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes entries like MARNC Mare, Loyalty, LFINC LIFOU, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like C36M Paulutok, MKAR Makanchi Array, MKAR comp=2.0,7nm,0.8s, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like FBE Freiberg, NRDL Niederrach Rje, GROP Goc Penny, Ondr, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PNCL Nicolau / Gran, MESJ Messejana, MESJ Messejana, etc.

IDC 16.07.21:25.1±3.2,54°05N:86°06E,h0km,mbtmp2.6/2, ML2.2/2, Error ellipse: s-maj=25.4km s-min=16.4km az=58.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and other technical details. Includes stations like H46RU ZALEVOV INFRA, ZALV Zalevoev Beam, etc.

NEIC 16.07.53:38.3±0.3,35°66N:0°03:97.40W,0°03,h9km,7km, Error ellipse: s-maj=5.0km s-min=3.1km az=144.0

TUL 16.07.53:37.6±0.3,35°67N:0°01:97.41W,0°02,h5km,6km, ML2.8,mb_Lg2.7/38(NEIC),ML2.8/26(NEIC), Error ellipse: s-maj=2.9km s-min=1.8km az=116.0, Oklahoma

Large table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and other technical details. Includes stations like ADOK Arcadia Dam, OK029 Liberty Lake, OKCSW OKLAHOMA CITY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARE, Loyalty, Pines Island, etc.

IDC 16 08:07:50.7±1.1, 21.53S; 168.68E, h0km, mb3.9/7, mbtmp3.9/8, ML3.6/1, Error ellipse: s-maj=34.8km s-min=21.4km az=165.0

NEIC 16 08:07:53.1±1.2, 21.74S; 0.07; 168.65E; 0.04, h10km, 2km, mb4.2/8, Error ellipse: s-maj=13.7km s-min=3.1km az=25.0

ISC 16 08:07:54.2±0.7, 21.75S; 0.1; 168.59E; 0.06, h20km, n26, ±0.85/26, mb4.0/8, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARE, Loyalty, Pines Island, etc.

TAP 16 08:10:18.3, 23.54N; 120.61E, h16km, ML2.2, 3D, A, Taiwan

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

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

TAP 16 08:10:22.9, 23.55N; 120.61E, h14km, ML2.2, A, Taiwan

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

TAP 16 08:10:22.9, 23.55N; 120.61E, h14km, ML2.2, A, Taiwan

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHN4 Tsauhsan, WTK Tuku, etc.

IDC 16 08:15:06.8; 7.9, 37.39N; 72.00E, h199km, 52km, mb3.7/2, mbtmp4.0/8, Error ellipse: s-maj=75.9km s-min=43.4km az=174.0

NNC 16 08:15:10.5; 2.1, 37.77N; 71.91E, h221km, 43km, mb2.0, mpv3.1, Error ellipse: s-maj=32.3km s-min=13.9km az=27.0

ISC 16 08:14:59.4; 1.0, 36.97N; 0.08; 71.9E; 0.1, h150km, n20, ±1.87/23, 1C-3D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AML Almayashu, AAK Ala-Archa, etc.

16d 8h

ISC 16 08:44:09.0.0.6, 21'53S; 0'09:168'62E; 0'07, h20km, n36, s-maj=17.0km s-min=9.9km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like MARE, Loyalty, PINNC, Ouenq, DZM, etc.

IDC 16 08:46:08.6.1.1, 21'60S; 168'71E, h0km, mb4.2/8, mbmp4.3/9, ML3.8/1, Error ellipse: s-maj=3.1km s-min=2.4km az=1.0

NEIC 16 08:46:10.2.0.7, 21'37S; 0'05:168'69E; 0'05, h10km, 1km, mb4.6/11, Error ellipse: s-maj=11.2km s-min=4.0km az=320.0

ISC 16 08:46:11.4.0.8, 21'44S; 0'09:168'69E; 0'09, h20km, n38, s-maj=17.0km s-min=9.9km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like MARE, Loyalty, PINNC, Ouenq, DZM, etc.

2017 NOV

comp=2.4,6nm,0.8s,baz=348,slow=3.7,SNR=5.1
NKV Kosy Kostel 145.71 333 ePKP PKPab 09 05 49.7 +0.6
CKRC Nesky Krumlov 145.89 329 ePKP PKPab 09 05 50.6 +0.8
KHC Kasperke Hory 146.01 330 ePKP PKPab 09 05 50.9 +0.6
GERES GERESS Array B 146.16 330 ePKPb PKPab 09 05 51.6 +0.7

IDC 16 08:48:43.1.0.7, 21'36S; 168'67E, h0km, mb4.3/13, mbmp4.3/15, ML4.0/2, MS3.6/6, Error ellipse: s-maj=19.9km s-min=18.4km az=126.0

NEIC 16 08:48:45.3.1.0, 21'43S; 0'07:168'64E; 0'02, h10km, 1km, mb4.8/13, Error ellipse: s-maj=11.8km s-min=3.1km az=352.0

ISC 16 08:48:45.9.0.5, 21'38S; 0'08:168'66E; 0'07, h20km, n67, s-maj=17.0km s-min=9.9km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like MARE, Loyalty, LIFINC, PINNC, Ouenq, DZM, etc.

1138

mb4.6/19, Error ellipse: s-maj=17.0km s-min=9.9km
DJA 16 08:51:13.0.3.7, 4'S; 8'15'E; 1'4, h12km, 22km, M4.4/8, mB5.2/1, mb4.6/8, MLV4.4/2, Mw(B)4.6/1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KRVT, RABL, MANU, PMG, etc.

Table with columns: DBC, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Dubki, Dylm, Lagodekhi, Vedeno, etc.

NNC 16 09:01:38.3.2.53'89N.90'80E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=18.5km s-min=11.8km az=70.0, Suspected Mining explosion

IDC 16 09:01:46.3.4.53'38N.90'43E, h0km, mbmp3.3/3, ML2.8/3, Error ellipse: s-maj=28.7km s-min=22.4km az=55.0

ISC 16 09:01:47.8.4.2.53'4N.01'90.4E.0.2, h0km, n8, a327/11, 6C-4D, Southwestern Siberia

Main table for 1139 section, listing stations like ZAAO, ZALV, ZALV, KURBB, etc. with detailed parameters.

NOU 16 09:16:49.8.21'39S-169'58E, h0km, MLV4.0/4, Southeast of Loyalty Islands, Southeast of Loyalty Islands

Table for NOU section, listing stations like PINNC, ONTEC, Ouen Toro, etc.

SFS 16 09:30:51.6, 34'92N.4'30W, h21km, ML3.1/19, ML3.1/14, MLV3.1/19

IGIL 16 09:30:51.0, 34'92N.4'28W, h7km, ML2.4

INMG 16 09:30:51.9, 1.6, 34'94N.4'24W, h18km, 7km, ML2.4, Error ellipse: s-maj=3.4km s-min=2.9km az=104.0

CNRM 16 09:30:53.5, 35'05N.4'02W, h7km, ml3.0

MDD 16 09:30:51.7-0.5, 34'92N.4'28W, h15km, 3km, mb, Lg2.7/20, Error ellipse: s-maj=3.2km s-min=2.5km az=142.0, Morocco

Main table for 1139 section, listing stations like PVLZ, PALE, CHEFC, etc. with detailed parameters.

Main table for 2019 NOV section, listing stations like MD31, MDT, EGOR, etc. with detailed parameters.

IDC 16 09:33:01.4.3.2.21'92N.144'87E, h0km, mb3.9/7, mbtmp3.9/7, Error ellipse: s-maj=135.9km s-min=21.1km

ISC 16 09:33:07.2.3.21'39N.02'145.0E.1.0, h44km, n7, a0247/7, mb3.9/7, Mariana Islands region

Table for ISC section, listing stations like WRA, ASAR, ZALV, etc. with detailed parameters.

Table for 16d 9h section, listing stations like BVAR, FINES, etc. with detailed parameters.

IDC 16 09:33:59.6.4.0, 3'41N-125'19E, h0km, mb3.3/3, mbtmp3.3/3, Error ellipse: s-maj=220.0km s-min=31.4km az=87.0, Talaud Islands

Table for IDC section, listing stations like WRA, ASAR, etc. with detailed parameters.

ILAR 16 09:41:28.2.3.8, 7'05S-145'85E, h0km, mb2.8/1, mbtmp3.1/3, ML2.5/2, Error ellipse: s-maj=59.7km s-min=24.7km az=46.0, Near south coast of New Guinea

Table for ILAR section, listing stations like PMG, PMG, etc. with detailed parameters.

IDC 16 09:41:28.2.3.8, 7'05S-145'85E, h0km, mb2.8/1, mbtmp3.1/3, ML2.5/2, Error ellipse: s-maj=59.7km s-min=24.7km az=46.0, Near south coast of New Guinea

Table for IDC section, listing stations like CTA, WRA, etc. with detailed parameters.

JMA 16 09:42:27.1.0.1, 33'0N.0'4.131'0E.0'3, h8km, 1km, MW.6/20, NE KUMAMOTO PREF, Kyushu

Table for JMA section, listing stations like JTA, JUS, etc. with detailed parameters.

BGR 16 09:43:26.0, 31'66N-142'23E, h33km, mb5.6, Ms5.2

BUI 16 09:43:29.2.0.0, 32'22N-140'91E, h80km, mb5.6/92, Mb5.8/72, Ms5.5/98, Ms7.5/3/92

NEIC 16 09:43:33.1, 32'17N-140'64E, h50km

NEIC 16 09:43:33.9, 32'32N-140'79E, h60km, Moment Tensor Solution. Duration: 4s3 Moment tensor: Scale 1017Nm; Mr:1.04; Mw:1.07; Ms:2.10; M0:0.60; Mb:3.90; Mw:5.57; Fault plane solution: Ms7.050000x1017 NP1: 174.140000, 384.810000, 154.200000; NP2: 76.990000, 336.120000, 171.170000; Principal axes: T 6.6073, P193.000000, Azm52.000000; N 0.4941, P193.000000; Azm178.000000; P 7.3014, P193.000000; Azm293.000000; NEIC 16 09:43:33.9.2.6, 32'22N.0'4.140'55E.0.08, h59km, 1km, mb6.2/852, Mw5.8/77, Mwv5.8/29, Error ellipse: s-maj=11.6km s-min=8.3km az=244.0, Moment Tensor Solution. Moment tensor: Scale 1017Nm; Mr:3.28; Mw:1.46; Mw:1.81; Mw:0.18; Mw:2.40; Mw:6.42; Fault plane solution: Ms7.420000x1017 NP1: 187.340000, 174.630000, 170.700000; NP2: 65.790000, 222.820000, 174.630000; Principal axes: T 7.8857, P193.000000; Azm74.000000; N -1.0302, P193.000000; Azm192.000000; P -0.6555, P193.000000; Azm293.000000; NEIC 16 09:43:33.9, 32'22N-140'64E, h50km

JMA 16 09:43:34.7.0.1, 32'4N.0'4.140'8E.0.6, h46km, MD6.0/40, MW5.8/40, E OFF HACHUJOUJIMA ISLAND

JMA Felt III at E Off HACHUJOUJIMA ISLAND

MOS 16 09:43:34.7.1.0, 32'34N.140'37E, h80km, mb6.2/104, MS5.3/29, Error ellipse: s-maj=6.4km s-min=3.3km az=114.9

NIED 16 09:43:34.7, 32'35N-140'75E, h46km, MW5.9, Moment Tensor Solution. s3 Moment tensor: Scale 1017Nm; Mr:2.41; Mw:0.31; Mw:2.11; Mw:0.56; Mw:3.21; Mw:5.66; Fault plane solution: Ms6.920000x1017 NP1: 162.000000, 379.000000, 162.000000; NP2: 71.000000, 330.000000, 157.000000

IDC 16 09:43:34.3.0.7, 32'23N-140'40E, h8km, 5km, mb5.4/34, mbtmp5.7/37, MS5.0/80, Error ellipse: s-maj=11.6km s-min=7.5km az=71.0

IPGP 16 09:43:35.0, 32'19N-140'55E, h64km, Mw5.9, Fault plane solution: NP1: 187.000000, 382.000000, 162.000000; NP2: 82.000000, 329.000000, 163.000000; Hypocentre not reviewed by the ISC

GCMT 16 09:43:35.9.0.1, 32'29N.0'0.140'55E.0'01, h84km, MW5.9/170, Moment Tensor Solution. s157.c332; s170.c470; Duration: 2s; Moment tensor: Scale 1017 Nm; Mr: 42.24; Mw: 0.7; Mw: 0.04; Mw: 0.6; Mw: 2.0; Mw: 11.2; Mw: 0.6; Mw: 1.5; Mw: 0.6; Mw: 6.24; Best double couple: Ms7.805000x1017 NP1: 182.000000, 380.000000, 159.000000; NP2: 76.000000, 333.000000, 161.000000; Principal axes: T 7.5520, P194.000000; Azm61.000000; N 0.5070, P193.000000; Azm188.000000; P -0.8570, P192.000000; Azm297.000000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

ISC 16 09:43:35.1.0.2, 32'24N.0'02.140'46E.0.02, h79km, 1km, h79km; pp-P, n2450, e1377/2487, mb6.0/676, 58C-14AD, Southeast of Honshu

Table for ISC section, listing stations like JAOM, JAOM, etc. with detailed parameters.

JHJC Hachiojimakas 1.00 326 eP Sn 09 43 53.8 -0.3

JHJC Hachiojimakas 1.00 326 eP Sn 09 43 53.8

JHJC Hachiojimakas 1.00 326 eP Sn 09 43 53.8

JHJC Hachiojimakas 1.00 326 eP Sn 09 43 53.8

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JHJC Hachiojimakas 1.00 326 eP Sn 09 43 53.8

16d 9h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like BS03 Boso 3, JIM2 Oshima 3, JIZS Iuzhimoda, etc.

2017 NOV

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like JAWN Awajishima-nag, JMIK Miki, JJWT Wachi, etc.

1140

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like JAR Ashorobuto, JAR Ashorobuto, JAR Ashorobuto, etc.

16d 9h

Table with columns for station ID, frequency, and various signal quality metrics (e.g., S/N, SNR, error rates).

2017 NOV

Main table listing stations with columns for call sign, frequency, signal strength, and other technical details.

1142

Table listing stations with columns for call sign, frequency, signal strength, and other technical details.

1143 2017 NOV 16th 9h

IGBI	Denpasar	47.45 215	P	P	09 51 57.8 -4.2
H16K	Elim	47.45 29	P	P	09 52 02.7 +1.2
H16K	baz=255,SNR=17		S	S	09 58 51.8 +2.0
PKI	Pulchoki	47.51 279	eP	P	09 52 01.8 -1.2
PKIN	Phulchoi	47.52 279	eP	P	09 52 02.1 -0.9
O15K	Unkalikthuk R	47.53 37	P	P	09 52 03.5 +1.2
O15K	baz=263,SNR=86		S	S	09 58 52.3 +1.2
N15K	Kwethluk River	47.54 36	P	P	09 52 03.7 +1.4
N15K	baz=262,SNR=82		S	S	09 58 51.9 +0.7
KKN	Kakani	47.55 280	eP	P	09 52 02.5 -0.6
G16K	Koyuk River	47.59 28	P	P	09 52 03.7 +1.1
G16K	baz=255		S	S	09 58 53.7 +1.9
JAGI	Jajag, Banyuwaja	47.64 216	P	P	09 52 00.3 -3.2
DMN	Daman	47.76 280	eP	P	09 52 03.8 -0.9
J16K	Anvik River	47.84 31	P	P	09 52 05.1 +0.5
J16K	Anvik River	47.84 31	P	P	09 52 06.2 +1.6
J16K	baz=258,SNR=14		S	S	09 58 57.9 +2.5
I17K	Unalakleet	47.93 31	IAMB	IAMB	09 52 08.4
I17K	Unalakleet	47.93 31	P	P	09 52 07.0 +1.8
I17K	baz=258,SNR=9.1		S	S	09 58 58.5 +2.0
D17K	Noatak River	47.98 25	P	P	09 52 07.1 +1.5
D17K	baz=252		S	S	09 58 58.0 +0.8
GKN	Gorkha	48.02 280	eP	P	09 52 06.0 -0.6
CHGN	Chignik	48.02 41	IAMB	IAMB	09 52 06.5
CHGN	Chignik	48.02 41	P	P	09 52 04.6 -1.5
L16K	Owhat River	48.07 34	P	IAMB	09 52 06.8 +0.5
L16K	baz=266		S	S	09 52 09.1
L16K	Owhat River	48.07 34	P	P	09 52 07.5 +1.2
L16K	baz=261,SNR=74		S	S	09 58 59.6 +0.9
NGJI	Ngawi	48.12 220	P	P	09 52 05.9 -1.4
C17K	Delong Mountain	48.19 24	P	P	09 52 08.7 +1.5
C17K	baz=251,SNR=18		S	S	09 59 02.7 +2.5
M16K	Timber Creek	48.21 35	IAMB	IAMB	09 52 10.3
M16K	Timber Creek	48.21 35	P	P	09 52 08.8 +1.4
M16K	baz=262,SNR=47		S	S	09 59 01.9 +1.2
N16K	Nishilik Lake	48.23 35	P	P	09 52 09.1 +1.5
N16K	baz=262		S	S	09 59 02.1 +1.0
E17K	Hotham Inlet	48.26 26	P	P	09 52 09.2 +1.5
E17K	baz=254,SNR=26		S	S	09 59 02.9 +1.8
PBA	Port Blair	48.31 256	IAMB	IAMB	09 53 35.6
PBA	Port Blair	48.31 256	P	P	09 52 07.9 -0.9
F17K	Baldwin Pennin	48.31 27	IAMB	IAMB	09 52 11.8
F17K	Baldwin Pennin	48.31 27	P	P	09 52 09.6 +1.5
F17K	baz=255,SNR=37		S	S	09 59 04.6 +2.8
G17K	Kiwalik Mouta	48.31 29	P	P	09 52 09.6 +1.4
G17K	baz=256,SNR=30		S	S	09 59 03.3 +1.3
KURK	Kurchatov	48.39 311	P	P	09 52 08.5 -0.4
KURK	Kurchatov	48.39 311	P	P	09 52 08.9 0.0
KURK	Kurchatov	48.39 311	d/P	P	09 52 08.6 -0.4
KURK	baz=251,SNR=1.7		S	S	09 59 03.3 +1.3
KURK	Kurchatov	48.39 311	P	P	09 52 08.9 0.0
KURK	Kurchatov	48.39 311	pP	P	09 52 25.0 -3.1
KURK	Kurchatov	48.39 311	ScP	P	09 57 20.8 -1.1
SMRI	Semarang	48.43 222	IAMB	IAMB	09 53 39.7
KURBB	Kurchatov Arra	48.45 311	P	P	09 52 08.7 -0.7
KURBB	Kurchatov Arra	48.45 311	P	P	09 52 09.2 -0.2
KURBB	comp=Z,151nm,0.7s,baz=88,slo=7.2,SNR=1217		S	S	09 57 20.7 -1.4
KURBB	comp=Z,151nm,0.7s,baz=98,slo=3.7,SNR=12		S	S	10 13 55.7
P16K	Nushagak River	48.46 37	P	P	09 52 10.8 +1.4
P16K	baz=264,SNR=33		S	S	09 59 05.6 +1.4
JMBI	JAMBI	48.46 233	P	P	09 52 10.2 +0.3
O16K	Kokwok River B	48.46 37	P	P	09 52 10.7 +1.3
O16K	baz=264		S	S	09 59 04.9 +0.6
H17K	Granite Mouta	48.48 29	P	P	09 52 10.9 +1.4
H17K	baz=257,SNR=39		S	S	09 59 06.2 +1.7
SHLS	Shalkode	48.51 301	d/P	P	09 52 07.1 -3.1
SHLS	Shalkode	48.51 301	d/P	P	09 52 07.0 -3.1
R16K	Pilot Point	48.56 39	P	P	09 52 10.1 -0.1
DANN	Dangsing	48.63 281	eP	P	09 52 11.1 -0.4
PMBI	Palemang	48.66 231	P	P	09 52 10.9 -0.6
L17K	Donlin	48.69 33	P	P	09 52 12.9 +1.9
L17K	baz=261,SNR=58		S	S	09 59 08.7 +1.3
LHMI	Lhok Sumawe	48.69 246	IAMB	IAMB	09 52 20.5
LHMI	Lhok Sumawe	48.69 246	P	P	09 52 09.9 -1.8
K17K	Iditarod	48.77 32	P	P	09 52 13.6 +1.9
K17K	baz=261,SNR=62		S	S	09 59 10.4 +1.8
E18K	Tukpahleark C	48.81 26	IAMB	IAMB	09 52 15.2
E18K	Tukpahleark C	48.81 26	P	P	09 52 13.8 +1.8
E18K	baz=255,SNR=43		S	S	09 59 10.7 +1.8
RPSI	Rantau Prapat	48.82 242	IAMB	IAMB	09 53 38.8
UZZB	Uzynbulak	48.83 301	d/P	P	09 52 12.1 -0.6
UZZB	comp=Z,156nm,1.8s,baz=301		eS	S	09 59 08.8 -1.4
UZZB	Uzynbulak	48.83 301	d/P	P	09 52 12.0 -0.6
UZZB	baz=266		S	S	09 59 08.7 -1.4
BKNI	Bangkinang	48.88 237	P	P	09 52 12.1 -1.0
BKNI	comp=Z,333nm,0.9s		IAMB	IAMB	09 52 14.1
BKNI	Bangkinang	48.88 237	P	P	09 52 11.5 -1.6
BKNI	Bangkinang	48.88 237	P	P	09 52 09.2 -3.9
C18K	Utukok River	48.94 24	IAMB	IAMB	09 52 16.3
C18K	Utukok River	48.94 24	P	P	09 52 14.3 +1.3
C18K	baz=253,SNR=26		S	S	09 59 10.0 -0.9
C18K	baz=253		S	S	

KNRA	Kununurra	48.94 195	P	P	09 52 14.8 +1.3
B18K	Kokolik River	48.95 23	P	P	09 52 14.9 +2.0
B18K	baz=252		S	S	09 59 12.8 +2.1
KOLN	Koldanda	48.96 280	eP	P	09 52 13.5 -0.4
O17K	Koliganek Bris	48.98 36	P	P	09 52 14.8 +1.4
O17K	baz=265,SNR=67		S	S	09 59 14.0 +2.4
M17K	Holitna River	48.99 34	P	P	09 52 15.4 +1.9
M17K	Holitna River	48.99 34	P	P	09 52 15.2 +1.8
M17K	baz=263,SNR=93		S	S	09 59 14.0 +2.4
WUSU	Wushi	49.00 299	P	P	09 52 14.3 +0.3
WUSU	comp=Z,176nm,1.1s		pP	P	09 52 29.3 -3.8
WUSU	comp=Z,176nm,1.1s		ScP	P	09 57 24.3 -0.6
TDK	Taldyqorghon	49.01 304	iP	P	09 52 14.3 +0.4
TDK	Taldyqorghon	49.01 304	iP	P	09 52 14.2 +0.4
N17K	Nushagak Hills	49.01 305	P	P	09 52 15.5 +1.9
N17K	baz=264,SNR=95		S	S	09 59 15.0 +3.0
KPKS	Kokpek	49.02 302	d/P	P	09 52 13.4 -0.7
KPKS	comp=Z,166nm,2.3s,baz=302		eS	S	09 59 11.1 -1.8
KPKS	Kokpek	49.02 302	d/P	P	09 52 13.4 -0.7
KPKS	Kokpek	49.02 302	d/P	P	09 59 11.0 -1.8
UGM	Wanagama	49.09 221	P	P	09 52 16.1 +1.4
Q16K	King Salmon	49.12 38	P	P	09 52 15.2 +0.8
Q16K	baz=266,SNR=58		S	S	09 59 13.7 +0.2
KCSI	Kotacane, Aceh	49.14 243	P	P	09 52 11.5 -3.7
H18K	Honhosa River	49.17 29	IAMB	IAMB	09 52 17.4
H18K	Honhosa River	49.17 29	P	P	09 52 15.9 +1.1
H18K	baz=259,SNR=32		S	S	09 59 15.0 +0.9
G18K	Tagagawik	49.20 28	P	P	09 52 16.1 +1.1
G18K	baz=258,SNR=87		S	S	09 59 16.5 +2.0
R17K	Ugashik Creek	49.20 39	IAMB	IAMB	09 52 17.7
R17K	Ugashik Creek	49.20 39	P	P	09 52 14.8 -0.3
ZHN	Zhinshike	49.25 301	eP	P	09 52 15.0 -0.9
ZHN	Zhinshike	49.25 301	eP	P	09 52 14.9 -0.9
ZHN	comp=Z,128nm,2.2s		S	S	09 52 16.9 +1.4
P17K	Kvichak River	49.27 37	P	P	09 59 16.9 +1.4
P17K	baz=266		S	S	09 59 16.9 +1.4
SATY	Saty	49.29 301	d/P	P	09 52 15.6 -0.5
SATY	comp=Z,163nm,1.9s,baz=301		P	P	09 52 15.6 -0.5
SATY	Saty	49.29 301	d/P	P	09 52 16.4 -0.6
PYUN	Pyun	49.35 281	eP	P	09 52 16.4 -0.6
PRZ	Przheval'sk	49.38 301	IAMB	IAMB	09 52 20.0
L18K	Granite Mouta	49.45 33	IAMB	IAMB	09 52 20.3
L18K	Granite Mouta	49.45 33	P	P	09 52 18.6 +1.7
L18K	baz=263		S	S	09 59 19.5 +1.6
A19K	Wainwright	49.45 22	P	P	09 52 18.8 +2.1
Q17K	Contact Creek	49.50 39	P	P	09 52 17.1 -0.3
KPJJ	Karang Puung	49.52 223	P	P	09 52 15.4 -2.6
ARXS	Arharly	49.53 303	eP	P	09 52 17.8 -0.1
CHIR	Chirikof Island	49.57 42	P	P	09 52 19.1 +1.2
CHIR	Chirikof Island	49.57 42	P	P	09 52 18.7 +0.8
J18K	Innok River	49.60 32	P	P	09 52 18.6 +0.5
J18K	comp=Z,317nm,1.8s		IAMB	IAMB	09 52 20.6
J18K	Innok River	49.60 32	P	P	09 52 19.0 +0.9
J18K	baz=262,SNR=35		S	S	09 59 20.0 -0.1
C19K	Lookout Ridge	49.63 24	P	P	09 52 20.0 +1.7
C19K	baz=254		S	S	09 59 22.1 +1.6
N18K	Kilae Creek	49.67 35	IAMB	IAMB	09 52 21.9
N18K	Kilae Creek	49.67 35	P	P	09 52 20.2 +1.6
N18K	baz=265		S	S	09 59 24.0 +2.9
MLSI	Meulaboh, Aceh	49.71 245	P	P	09 52 16.5 -3.0
GCSA	Galena City Sc	49.72 30	P	P	09 52 19.6 +0.7
GCSA	baz=260,SNR=14		S	S	09 59 22.7 +1.0
F19K	Shalercukik Mo	49.75 27	IAMB	IAMB	09 52 21.4
F19K	Shalercukik Mo	49.75 27	P	P	09 52 19.8 +0.7
F19K	baz=258,SNR=30		S	S	09 59 23.2 +1.2
M18K	Stony River	49.77 34	P	P	09 52 20.9 +1.5
M18K	baz=264,SNR=58		S	S	09 59 25.1 +2.5
TTA	Tatalina	49.84 32	P	P	09 52 21.4 +1.4
TTA	Tatalina	49.84 32	P	P	09 52 20.8 +0.8
SVW2	Sparrevohn	49.85 35	IAMB	IAMB	09 52 23.2
SVW2	Sparrevohn	49.85 35	P	P	09 52 21.3 +1.3
G19K	Purcell Mouta	49.88 28	IAMB	IAMB	09 52 22.5
G19K	Purcell Mouta	49.88 28	P	P	09 52 20.9 +0.7
G19K	baz=259		S	S	09 59 24.7 +0.8
LEM	Lembang	49.88 225	P	P	09 52 18.9 -2.1
P18K	Big Mountain	49.90 37	P	P	09 52 21.3 +0.9
P18K	Big Mountain	49.90 37	P	P	09 52 21.5 +1.1
P18K	baz=267,SNR=63		S	S	09 59 25.3 +0.8
O18K	Koktuh Hills	49.94 36	IAMB	IAMB	09 52 23.7
O18K	Koktuh Hills	49.94 36	P	P	09 52 22.3 +1.6
O18K	baz=266,SNR=33		S	S	09 59 26.8 +1.8
Q18K	Katmai Hardscr	49.98 38	P		

16d 9h

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like OXZ, GVZ, RPZ, etc.

2017 NOV

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like SNART, BBRC, TUQ, etc.

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Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like K22A, ISK, RCY, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JMA 16 10:12:08.9,0.3,22:5N:0:9:14:2E, etc.

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

IDC 16 10:13:56.6:1.0,40:67S:45:64E,h0km,mb4.0/7, mbmp4.1,7,MS3.8/3, Error ellipse: s-maj=67.6km s-min=19.8km az=27.0

NEIC 16 10:13:59.0:1.9,40:08S:0:10:45:9E:0:2,h10km,2km, mb4.6/10, Error ellipse: s-maj=29.8km s-min=9.4km az=241.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CRZF Crozet Islands, SOE Somerset East, BOSA Boshof, etc.

IDC 16 10:23:21.6:0.8,21:88S:169:12E,h0km,mb4.2/9, mbmp4.2/10,ML3.9/1, Error ellipse: s-maj=25.0km s-min=21.7km az=168.0

NOU 16 10:23:21.7,21:88S:169:18E,h0km,MLV4.5/7, Southeast of Loyalty Islands

NEIC 16 10:23:24.8:1.8,21:80S:0:07:168:97E:0:07,h10km,1km, mb4.0/14, Error ellipse: s-maj=12.2km s-min=10.5km az=152.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, PANN Pine Island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SNAAS Sanae, KPCM Canto Peak, SONM Songino Array, etc.

IDC 16 10:28:59.1:2.9,21:19S:168:57E,h0km,mb3.8/4, mbmp3.8/5,ML3.3/1, Error ellipse: s-maj=104.7km s-min=31.6km az=146.0

ISC 16 10:29:03.7:2.7,21:2S:0:6:168:16E:0:4,h30km,n6, az=071.7,mb3.8/4,Loyalty Islands

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

UPP 16 10:34:53.2:3.1,64:52N:32:11E,h0km,ML2.0, KOLA 16 10:35:02.0,64:76N:31:03E,h0km,ML2.5, Error ellipse: s-maj=22.4km s-min=10.0km az=160.0, Kostomuksha, Karelia

HEL 16 10:35:01.0:0.2,64:77N:30:76E,h0km,ML2.0, Suspected explosion

IDC 16 10:35:02.8:1.9,64:74N:30:65E,h0km,mbmp3.1/4, ML2.2/4, Error ellipse: s-maj=26.0km s-min=8.6km az=105.0

ISC 16 10:35:00.9:0.9,64:81N:0:02:30:56E:0:04,h0km,n42, az=165/71,Finland-Karelia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RMF Romuvaara, KU6 Riekkii, MAALKA Maalaka, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VRF Sodankyl, KALU Kalix, KANGASNIEMI Kangasniemi, etc.

16D 10h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FAUS, HFS, HFS, NOA, etc.

IDC 16 10:38:05.9,0.6,21.40S;168.66E,h0km,mb4.4/13, mbmp4.3/15,ML4.0/2,MS3.7/5,Error ellipse: s-maj=20.2km s-min=17.2km az=110.0

NEIC 16 10:38:09.2,0.1,21.42S;0.06;168.55E;0.04,h17km,4km, mb4.6/26,Error ellipse: s-maj=8.8km s-min=5.7km az=170.0

BGR 16 10:38:14.2,19.69S;171.15E,h33km ISC 16 10:38:09.0,0.4,21.40S;0.07;168.56E;0.06,h20km,n85, o#84/82,mb4.6/26,MS3.6/3,5C,Loyalty Islands

Main table for 16D 10h section, listing station codes, names, coordinates, and seismic data.

2017 NOV

Table for 2017 NOV section, listing station codes, names, coordinates, and seismic data.

IDC 16 10:42:14.2,1.2,21.55S;168.51E,h0km,mb4.1/5, mbmp4.1/5,Error ellipse: s-maj=36.5km s-min=25.5km az=4.0

NOU 16 10:42:14.1,1.2,21.55S;168.77E,h0km,MLV3.7/4,Loyalty Islands

ISC 16 10:42:17.6,1.0,21.55S;0.2;168.51E;0.10,h20km,n13, o#128/14,mb4.1/5,Loyalty Islands

Main table for 2017 NOV section, listing station codes, names, coordinates, and seismic data.

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Main table for 1154 section, listing station codes, names, coordinates, and seismic data.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various parameters like SNR, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z.

DJA 16:10:50.38.8.0.1, 8'S.2°11'9"E, h176km, 3km, M4, 8/38, mB5.3/18, mb4.8/38, MLV.2/25, Mw(mB)4.7/18

NEIC 16:10:50.38.7.2.2, 8'22S.0.07°E, 118.81E.0.06, h169km, 7km, mb4.7/26, Error ellipse: s-maj=10.7km s-min=8.9km az=197.0

IDC 16:10:50.39.6.1.1, 8'13S.118'83E, h181km, 9km, mb3.9/16, mbmp4.4/19, MS3.5/2, Error ellipse: s-maj=15.8km s-min=8.6km az=68.0

ISC 16:10:50.39.3.0.4, 8'25S.105°E, 118.86E.0.05, h181km, n143, e139/146, mb4.3/28, Sumbawa region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various parameters like SNR, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various parameters like SNR, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various parameters like SNR, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z.

16d 11h

ASAR Alice Springs 84.59 125 P P 11 07 36.2 +0.1
comp=-2.1,0nm,0.6s,baz=310,slow=5.0,SNR=12
comp=-2.1,0nm,0.6s

NEIC 16 11:05:41.7,2.0,21.3S:0.1x177.8W:0.1, h348km, 10km,
mb4.5/33, Error ellipse: s-maj=20.1km s-min=14.3km
az=151.0

NOU 16 11:05:42.1,21.28S:177.30W, h362km, mb4.4/12, Fiji
Islands Region
IDC 16 11:05:44.9,2.4,21.25S:177.93W, h389km, 23km,
mb3.3/10, mbtmp4.1/12, Error ellipse: s-maj=25.8km
s-min=15.9km az=131.0

ISC 16 11:05:43.0,5.2138S:0.08-177.74W:0.09, h381km,
n86,+1929/86,mb4.3/23, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations and their associated data points.

2017 NOV

comp=-2.0,7nm,0.5s,baz=131,slow=2.6,SNR=8.3
ARCES ARCESS Array B 129.82 350 PKP PKPdf 11 24 07.1 -0.4
comp=-2.3,2nm,0.5s,baz=101,slow=1.2,SNR=8.3

FINES FINES Array B 136.68 344 PKP PKPdf 11 24 21.0 +0.4
comp=-2.2,0nm,0.7s,baz=108,slow=0.6,SNR=4.5

HFS Hagfors 140.44 351 PKHPK PKPpre 11 24 20.0
comp=-2.1,4nm,0.6s,baz=54,slow=7.5,SNR=4.1

AKAG Malin Array Be 143.89 351 PKP PKPab 11 24 32.2 -0.2
comp=-2.7,8nm,0.5s,baz=42,slow=4.3,SNR=3.4

EKA Eskdalemuir Ar 145.85 6 PKPb PKPdf 11 24 38.1 +1.0
comp=-2.0,6nm,0.4s,baz=338,slow=3.1,SNR=3.8

BRTR Keskin Array B 147.60 311 PKP PKPbc 11 24 43.3 -0.8
comp=-1.9nm,0.7s,baz=141,slow=4.1,SNR=6.9

CLL Collin 148.97 347 i PKPbc PKIPK 11 24 48.1 +0.1
comp=-2.6,0nm,0.7s

CLL comp=-2.5,0nm,0.8s i PKPab PKPab 11 24 52.6 +0.2

FUNV 16 11:26:28.9,9.23N:70.76W, h4km, MW4.1, Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations for FUNV and other nearby locations.

JMA 16 11:36:14.2,0.1,38.7N:0.2-142.0E:0.5, h57km, MD4.0/39,
MV4.3/39, KINKAZAN REGION

JMA Felt II J1 at KINKAZAN REGION
IDC 16 11:36:16.6,2.7,38.68N:141.92E, h81km, 23km, mb3.7/13,
mbtmp4.0/17, MS2.8/1, Error ellipse: s-maj=24.0km
s-min=14.2km az=74.0

ISC 16 11:36:14.2,1.1,38.72N:0.04-142.07E:0.09, h57km, 8km,
n45,+1923/44,mb4.0/13,4D, Near east coast of eastern
Honsu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists a large number of stations and their associated data points.

1156

HFS Hagfors 72.77 336 P P 11 47 35.6 -0.4
comp=-N,0.5nm,0.3s,baz=44,slow=8.6,SNR=1.4
comp=-N,0.5nm,0.3s

AKAG Malin Array Be 73.29 322 P P 11 47 38.4 -0.8
comp=-N,0.6nm,0.3s,baz=40,slow=5.7,SNR=2.0
comp=-N,0.6nm,0.3s

PDAR Pinedale Array 76.12 46 P P 11 47 56.6 +0.5
comp=-N,0.4nm,0.6s,baz=318,slow=4.0,SNR=4.2
comp=-N,0.4nm,0.6s

TXAR Lajitas Array 88.69 53 P P 11 49 01.9 +0.3
comp=-N,0.2nm,0.6s,baz=298,slow=2.7,SNR=3.5
comp=-N,0.2nm,0.6s

UPA 16 11:45:15.4,0.6,9.91N:82.778W, h15km, 6km, MW3.9
UCR 16 11:45:15.3,0.1,9.97N:82.75W, h19km, 4km, MW3.8
ISC 16 11:45:12.6,1.2,10.00N:0.03-82.72W:0.02, h9km, 10km,
n69,+1501/101,6C-9D, Panama-Costa Rica border
region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists a large number of stations and their associated data points.

16d 12h

Table with columns for station name, frequency, and other identifiers. Includes stations like PEIG Puerto Escondi, PAVE Pavencul, PEUV Arroyo Zacate, etc.

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Table with columns for station name, frequency, and other identifiers. Includes stations like RPIG Cerro Negro, CNGN Cerro Negro, CNGN Cerro Negro, etc.

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Table with columns for station name, frequency, and other identifiers. Includes stations like MNXX Cornudas Mount, Y45A Yeager Farm, DKNS Dickens, etc.

U54A	Nelsons Funny	23.89	26	I	Amb	I	Amb	13 00 27.6
P40A	Paris	24.07	5	I	Amb	I	Amb	13 00 28.6
P38A	Dawn	24.08	2	A	Amb	I	Amb	13 00 37.5
SFX	San Felipe	24.08	314	P	P			13 00 12.4 +1.1
X16A	Lo Mia Camp	24.15	324	I	Amb	I	Amb	13 00 16.9
SDCO	Great Sand Dunc	24.16	339	I	Amb	I	Amb	13 00 16.6
SDCO	Great Sand Dunc	24.16	339	P	P			13 00 14.0 +1.8
TAMC	Tame, Arauca	24.19	109	eP	P			13 00 14.7 +2.3
U56A	King	24.39	29	P	P			13 00 11.3 -2.7
U56A	King	24.39	29	I	Amb	I	Amb	13 00 14.4
SDV	Santo Domingo	24.39	103	P	P			13 00 13.5 -1.0
SDV	Santo Domingo	24.39	103	eP	P			13 00 14.1 -0.5
SDV	Santo Domingo	24.39	103	eP	P			13 00 16.1 +1.6
SDV	Santo Domingo	24.39	103	LR	LR			13 00 38.3
SD3A	Santo Domingo	24.41	318	I	Amb	I	Amb	13 00 19.0
MACC	Macarena, Meta	24.45	121	eP	Amb	I	Amb	13 00 14.5 -0.3
KSCO	Kaye Sheddock	24.46	345	I	Amb	I	Amb	13 00 17.4
KSCO	Kaye Sheddock	24.46	345	P	P			13 00 15.2 +0.4
S22A	4UR Ranch, Cre	24.46	336	P	P			13 00 18.0 +1.3
Y14A	Wickenburg	24.72	321	I	Amb	I	Amb	13 00 22.1
CNCC	Cliffs of the	24.78	34	P	P			13 00 15.7 -1.9
MVCO	Mesa Verde	24.88	333	I	Amb	I	Amb	13 00 32.8
MVCO	Mesa Verde	24.88	333	P	P			13 00 19.8 +1.1
WUAZ	Wupatki	24.93	326	P	P			13 00 21.1 +1.9
BLA	Blacksburg	25.08	28	P	P			13 00 18.2 -2.1
N35A	Tabor	25.31	358	I	Amb	I	Amb	13 00 54.2
R53A	Hurricane	25.39	24	I	Amb	I	Amb	13 00 52.8
Q51A	Peebles	25.49	21	I	Amb	I	Amb	13 00 53.5
BLYC	Blythe	25.53	319	P	P			13 00 25.5 +1.1
PDMCI	Parker Dam, Lak	25.66	320	P	P			13 00 26.9 +1.4
SFIN	Lafayette	25.68	13	P	P			13 00 23.9 -1.8
YUH	Yuba Desert	25.76	315	I	Amb	I	Amb	13 00 31.7
Q52A	Bidwell	25.82	23	I	Amb	I	Amb	13 00 27.2
SWSC	Sam W. Stewart	25.86	316	P	P			13 00 29.9 +2.4
IKP	In-Ko-Pah, Jac	25.89	315	P	P			13 00 30.4 +2.6
BGNE	Belgrade	26.01	354	P	P			13 00 28.9 +0.1
ISCO	Idaho Springs	26.05	341	P	P			13 00 30.2 +0.8
O48B	Farmiland	26.05	17	P	P			13 00 27.2 -1.9
C33	Big Chuckawall	26.07	318	P	P			13 00 31.9 +2.4
R55A	Marlinton	26.10	27	I	Amb	I	Amb	13 00 31.4
OGNE	Ogallala	26.17	347	I	Amb	I	Amb	13 00 52.7
OGNE	Ogallala	26.17	347	P	P			13 00 31.0 +0.8
IRM	Iron Mountain	26.19	319	P	P			13 00 32.6 +2.1
O49A	Covington	26.23	18	I	Amb	I	Amb	13 00 30.2
SCIA	State Center	26.37	2	I	Amb	I	Amb	13 01 09.7
SCIA	State Center	26.37	2	P	P			13 00 30.4 -1.5
P52A	Corning	26.46	22	P	P			13 00 30.1 -2.6
BELC	Belle Mtn. Jos	26.64	318	P	P			13 00 37.2 +2.5
TPFO	Pinon Flats	26.69	316	P	P			13 00 36.9 +1.8
PFO	Pinon Flats O	26.70	316	P	P			13 00 37.9 +2.7
PFO	Pinon Flats O	26.70	316	P	P			13 00 36.5 +1.3
PFO	Pinon Flats O	26.70	316	P	P			13 00 37.3 +2.1
BAUV	Ei Baul	26.82	101	P	P			13 00 34.2 -2.1
GMRC	Granite Mounta	26.92	319	P	P			13 00 38.7 +1.5
O52A	Adamsville	26.99	22	I	Amb	I	Amb	13 00 37.2
N23A	Red Feather L	27.15	341	P	P			13 00 39.7 +0.4
MURC	Murrieta	27.19	316	P	P			13 00 41.1 +1.7
O20A	White River Ci	27.27	337	I	Amb	I	Amb	13 01 13.4
O20A	White River Ci	27.27	337	P	P			13 00 41.6 +1.3
O53A	New Philadelph	27.34	23	P	P			13 00 39.3 -1.4
ELS	Elsinore Mount	27.37	315	P	P			13 00 43.4 +2.3
HJG	Hector, Ludlow	27.37	319	P	P			13 00 43.0 +1.8
SEC	San Juan	27.44	40	LR	LR			13 02 09.2
Q16A	Castle Valley	27.48	331	I	Amb	I	Amb	13 01 10.1
JFW5	Jewell Farm	27.61	7	I	Amb	I	Amb	13 01 07.4
JFW5	Jewell Farm	27.61	7	P	P			13 00 42.7 -0.4
MVU	Maryvale	27.65	329	I	Amb	I	Amb	13 00 59.1
ATAH	Atahualpa	27.67	143	LR	LR			13 01 15.4
BFSO	Mount Baldy Ra	27.87	316	P	P			13 00 47.1 +1.4
CIS	Catalina Islan	27.91	314	P	P			13 00 47.7 +1.9
GSC	Goldstone, Bar	27.97	319	P	P			13 00 47.7 +1.2
ECSD	EROS Data Cent	28.21	357	I	Amb	I	Amb	13 01 40.8
ECSD	EROS Data Cent	28.21	357	P	P			13 00 47.9 -0.6
EDW2	Edwards Air Fo	28.48	317	P	P			13 00 52.1 +1.1
TPNV	Topopah Spring	28.70	322	P	P			13 00 53.5 +0.3
FURC	Furnace Creek,	28.75	321	P	P			13 00 54.4 +1.1
MPMC	Manual Prospec	28.88	319	P	P			13 00 57.0 +2.3
K22A	Casper	28.93	342	I	Amb	I	Amb	13 01 08.8
K22A	Casper	28.93	342	P	P			13 00 56.2 +1.2
SSPA	Standing Stone	29.02	27	P	P			13 00 52.6 -3.0
S22C	Santa Cruz Isl	29.08	314	P	P			13 00 59.0 +2.6
ARVC	Arvin	29.18	317	P	P			13 00 59.7 +2.6
DUG	Dugway, Tooele	29.26	331	P	P			13 00 59.8 +1.8
ISA	Isabella, Lake	29.26	318	P	P			13 00 58.4 +0.4
ISA	Isabella, Lake	29.26	318	P	P			13 00 59.9 +2.0
R11B	Troy Canyon, C	29.30	325	P	P			13 01 00.4 +2.0
TCUT	Toone Canyon	29.38	334	P	P			13 00 58.4 -0.7
TCUT	Toone Canyon	29.38	334	I	Amb	I	Amb	13 01 02.7
GRAC	Grapevine Rang	29.41	321	P	P			13 01 01.1 +1.9
SPMN	Marine on St.	29.70	3	I	Amb	I	Amb	13 01 04.7

SPMN	Marine on St.	29.70	3	P	P			13 01 01.5 -0.1
PKM	McPherson Peak	29.70	315	P	P			13 01 03.7 +1.7
PCRV	Puerto La Cruz	29.75	97	LR	LR			13 15 08.4
YES	Vestal, Richgr	29.77	317	P	P			13 01 04.2 +1.9
TIN	Tinemaha, Big	29.97	320	P	P			13 01 06.2 +1.9
TPH	Toponah	30.04	323	I	Amb	I	Amb	13 01 08.6
BW06	Boulder Array	30.04	338	P	P			13 01 05.4 +0.4
BW06	Boulder Array	30.04	338	P	P			13 01 06.3 +1.3
PDAR	Pinedale Array	30.04	338	P	P			13 01 05.2 +0.3
PDAR	Pinedale Array	30.04	338	P	P			13 01 05.8 +0.8
SMCC	Simmler	30.06	316	P	P			13 01 07.1 +2.1
F33A	5 Mile Ranch,	30.30	358	I	Amb	I	Amb	13 02 01.1
HVU	Hansel Valley	30.51	333	I	Amb	I	Amb	13 01 12.4
AHID	Auburn Hatcher	30.62	336	P	P			13 01 06.5 -3.6
AHID	Auburn Hatcher	30.62	336	I	Amb	I	Amb	13 01 11.8
NV11	Mina Array Sit	30.82	322	I	Amb	I	Amb	13 01 16.1
ELK	Elko	30.86	329	P	P			13 01 14.4 +2.1
ELK	Elko	30.86	329	P	P			13 01 15.7
NVAR	Mina Array Bea	30.91	322	P	P			13 01 15.6 +2.9
NVAR	Mina Array Bea	30.91	322	PcP	PcP			13 04 09.4 +0.8
NVAR	Mina Array Bea	30.91	322	P	P			13 14 54.8
LOHW	Long Hollow	31.16	337	I	Amb	I	Amb	13 01 17.7
TPAW	Teton Pass	31.18	337	P	P			13 01 16.4 +1.3
TPAW	Teton Pass	31.18	337	I	Amb	I	Amb	13 01 18.3
MOOV	Moose Ponds	31.32	337	I	Amb	I	Amb	13 01 19.0
YERR	Yerington	31.82	322	I	Amb	I	Amb	13 01 24.8
RLMT	Red Lodge	32.01	340	I	Amb	I	Amb	13 01 25.0
RLMT	Red Lodge	32.01	340	P	P			13 01 23.0 +0.7
SADO	Sadova	32.03	21	LR	LR			13 16 47.6
YMR	Madison River	32.20	338	I	Amb	I	Amb	13 01 27.3
YHL	Hebgen Lake	32.43	338	I	Amb	I	Amb	13 01 30.6
EYMN	Ely	32.48	4	P	P			13 01 25.1 -1.0
NNA	Nana	32.51	146	LR	LR			13 02 16.5
MDND	Maddock	32.53	354	P	P			13 01 26.3 -0.3
HLID	Hailey	32.66	333	P	P			13 01 28.6 +0.6
HLID	Hailey	32.66	333	I	Amb	I	Amb	13 01 31.0
HLID	Hailey	32.66	333	P	P			13 01 29.5 +1.5
AGMN	Agassiz Nation	32.74	359	I	Amb	I	Amb	13 01 40.3
AGMN	Agassiz Nation	32.74	359	P	P			13 01 27.6 -0.8
B35A	Bob, Littlefor	32.80	1	I	Amb	I	Amb	13 01 29.3
MFDI	Camas Ranch	33.18	331	I	Amb	I	Amb	13 01 39.3
BOZ	Bozeman	33.24	338	P	P			13 01 33.2 +0.3
DGMT	Dagmar	33.82	349	P	P			13 01 38.1 +0.3
WVOR	Wild Horse Val	33.84	327	I	Amb	I	Amb	13 01 41.5
LBNH	Lisbon	34.27	29	P	P			13 01 42.4 -2.0
ULM	Lac du Bonnet	34.70	359	I	Amb	I	Amb	13 01 45.7
ULM	Lac du Bonnet	34.70	359	P	P			13 01 44.6 -0.7
ULM	Lac du Bonnet	34.70	359	PcP	PcP			13 04 17.9 -0.5
ULM	Lac du Bonnet	34.70	359	LR	LR			13 19 34.1
EGMT	Eagleton	34.76	342	P	P			13 01 46.5 +0.5
BMO	Blue Mountains	34.97	331	I	Amb	I	Amb	13 01 50.2
MSO	Missoula	35.13	337	I	Amb	I	Amb	13 01 51.8
MSO	Missoula	35.13	337	P	P			13 01 50.6 +1.2
I07A	Izee	35.46	329	I	Amb	I	Amb	13 02 12.9
YBH	Yreka Blue Riv	35.62	323	LR	LR			13 18 13.0
F10A	Beach Ranch, E	35.79	333	P	P			13 01 55.2 +0.2
PINE	Pine Mountain	35.99	327	I	Amb	I	Amb	13 01 59.0
PKME	Peaks-Kenny Pk	36.59	31	P	P			13 02 00.1 -1.5
E09A	Wood Farm, Sta	36.62	333	I	Amb	I	Amb	13 02 03.7
HAWA	Hanford	37.16	331	I	Amb	I	Amb	13 02 08.8
D08A	Wollman Farm,	37.38	332	I	Amb	I	Amb	13 02 11.8
E07A	Sunnyside	37.43	331	I	Amb	I	Amb	13 02 11.2
NEW	Newport	37.55	335	I	Amb	I	Amb	13 02 11.8
NEW	Newport	37.55	335	P	P			13 02 10.6 +0.8
NEW	Newport	37.55	335	P	P			13 02 10.1 +0.2
NEW	Newport	37.55	335	LR	LR			13 20 16.9
LTY	Liberty	38.32	331	I	Amb	I	Amb	13 02 19.2
LON	Longridge	38.50	330	I	Amb	I	Amb	13 02 27.3
FFC	Flin Flin	39.57	353	P	P			13 02 25.7 -1.0
FFC	Flin Flin	39.57	353	I	Amb	I	Amb	13 02 28.0
FFC	Flin Flin	39.57	353	P	P			13 02 26.8 +0.2
EDM	Edmonton	40.43	343	P	P			13 02 37.7 -1.2
LPAZ	La Paz	41.03	139	LR	LR			13 02 33.5 -0.3
LPAZ	La Paz	41.03	139	P	P			13

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G31M	Satah River	57.54	343	P	P	13 04 44.4	-0.2
GLB	Galahina Butte	57.60	335	I	Amb	13 04 47.9	
L27K	Beaver Creek	57.67	337	I	Amb	13 04 48.4	
L27K	Beaver Creek	57.67	337	P	P	13 04 45.4	-0.2
BMRM	Bremner River	57.70	334	P	P	13 04 46.5	+0.6
F31M	Tsiigehitic	57.75	343	P	P	13 04 46.1	+0.1
M26K	Nabesna, AK	57.77	336	I	Amb	13 04 49.4	
M26K	Nabesna, AK	57.77	336	P	P	13 04 47.0	+0.7
EPAK	Eagle Plains	57.90	341	P	P	13 04 47.5	+0.3
EYAK	Cordova Ski Ar	57.99	333	P	P	13 04 48.7	+0.9
N25K	Chitina, Valde	58.01	334	I	Amb	13 04 51.5	
N25K	Chitina, Valde	58.01	334	P	P	13 04 49.1	+1.0
BB19B	Bebedouro	58.06	127	eP	P	13 04 53.5	+4.6
G30M	Toah Zraii Nji	58.15	342	P	P	13 04 49.8	+0.9
L26K	Log Cabin Wild	58.23	336	I	Amb	13 04 52.5	
L26K	Log Cabin Wild	58.23	336	P	P	13 05 03.6	+1.3
K27K	Chicken	58.30	338	I	Amb	13 04 52.9	
K27K	Chicken	58.30	338	P	P	13 04 50.9	+1.0
INK	Inuvik	58.30	344	I	Amb	13 04 51.1	
INK	Inuvik	58.30	344	P	P	13 04 50.1	+0.2
INK	Inuvik	58.30	344	LR	LR	13 34 09.3	
H29M	Whitestone	58.32	341	I	Amb	13 04 52.0	
H29M	Whitestone	58.32	341	P	P	13 04 50.4	+0.4
M28M	Miner Creek	58.36	340	P	P	13 04 50.5	+0.1
EGAK	Eagle	58.39	339	P	P	13 04 50.9	+0.3
F30M	Barrier River	58.45	343	P	P	13 04 51.1	+0.2
P23K	Montague Isian	58.48	332	P	P	13 04 52.0	+0.8
HARP	HAARP	58.63	335	P	P	13 04 52.8	+0.5
G29M	Pine Creek	58.65	342	I	Amb	13 04 53.8	
G29M	Pine Creek	58.65	342	P	P	13 04 52.6	+0.2
M24K	Tolsona, Glenn	58.91	335	P	P	13 04 54.5	+0.2
SFJD	Kangerlussuaq	58.93	19	P	P	13 04 52.8	-1.4
SFJD	Kangerlussuaq	58.93	19	LR	LR	13 33 22.1	
SFJD	Kangerlussuaq	58.93	19	P	P	13 05 53.4	-0.8
SFJD	Kangerlussuaq	58.93	19	sP	sP	13 04 54.8	-0.1
SCRK	Sand Creek	58.98	337	I	Amb	13 04 57.6	
SCRK	Sand Creek	58.98	337	P	P	13 04 55.1	+0.3
I27K	Kandik River	59.02	339	P	P	13 04 55.6	+0.6
PAXK	Paxson	59.04	336	P	P	13 04 56.1	+0.8
J26L	Joseph Creek	59.10	338	P	P	13 04 56.8	+1.2
RES	Resolute Bay	59.21	360	I	Amb	13 04 56.3	
RES	Resolute Bay	59.21	360	P	P	13 04 55.8	-0.3
RES	Resolute Bay	59.21	360	LR	LR	13 32 39.4	
SCM	Sheep Creek Mo	59.27	334	P	P	13 04 57.3	+0.6
A36M	Sachs Harbour	59.31	349	I	Amb	13 04 58.1	
A36M	Sachs Harbour	59.31	349	P	P	13 04 56.4	-0.4
H27K	Steamboat Moun	59.35	340	P	P	13 04 58.4	+1.1
I26K	Coal Creek Min	59.39	339	I	Amb	13 05 46.0	
I26K	Coal Creek Min	59.39	339	P	P	13 04 57.9	+0.4
M23K	Glacier View	59.41	334	P	P	13 04 58.0	+0.3
SEW	Seward	59.46	332	P	P	13 04 58.9	+0.9
E29M	Blow River	59.56	343	P	P	13 04 59.1	+0.5
KNK	Knik Glacier	59.56	333	I	Amb	13 05 01.4	
KNK	Knik Glacier	59.56	333	P	P	13 04 59.5	+0.8
K24K	Donnelly Dome	59.57	336	P	P	13 04 59.4	+0.5
F28M	Old Crow	59.65	342	P	P	13 04 59.9	+0.6
SML	Sawmill	59.68	334	P	P	13 04 59.9	+0.3
SML	Sawmill	59.68	334	P	P	13 05 00.9	+1.3
G27K	Doyon Strip	59.73	340	I	Amb	13 05 01.1	
G27K	Doyon Strip	59.73	340	P	P	13 05 00.5	+0.7
WATK	Susitna Watana	59.78	335	P	P	13 05 01.7	+1.3
J25K	Salcha River	59.82	337	I	Amb	13 05 03.0	
J25K	Salcha River	59.82	337	P	P	13 05 01.4	+0.8
DHY	Denali Highway	59.85	335	P	P	13 05 01.5	+0.5
BRSE	Bradley Lake S	59.91	331	P	P	13 05 02.3	+1.2
PMR	Palmer	59.93	333	I	Amb	13 05 03.5	
PMR	Palmer	59.93	333	P	P	13 05 02.4	+1.2
RC01	Rabbit Creek A	59.99	333	P	P	13 05 03.2	+1.5
DY2G	Dye2	60.02	20	iP	P	13 04 00.0	-2.1
KDAK	Kodiak Island	60.10	328	LR	LR	13 31 49.4	
E28M	Babbage River	60.16	343	I	Amb	13 05 03.9	
E28M	Babbage River	60.16	343	P	P	13 05 03.6	+0.8
WAT1	Susitna Watana	60.22	335	P	P	13 05 04.3	+1.0
PLCA	Paso Flores	60.25	159	P	P	13 05 16.1	-0.4
PLCA	Paso Flores	60.25	159	P	P	13 05 04.8	+1.1
PLCA	Paso Flores	60.25	159	LR	LR	13 25 49.9	
PLCA	Paso Flores	60.25	159	P	P	13 05 04.6	+0.9
HDA	Harding Lake	60.32	337	I	Amb	13 05 05.8	
HDA	Harding Lake	60.32	337	P	P	13 05 04.8	+0.9
PRP	Porcupine Dome	60.34	338	P	P	13 05 04.5	+0.3
PRP	Porcupine Dome	60.34	338	I	Amb	13 05 06.4	
PRP	Porcupine Dome	60.34	338	P	P	13 05 07.5	+1.5
M22K	Willow	60.43	333	P	P	13 05 05.8	+1.2
ILAR	Eielson Array	60.47	337	P	P	13 05 05.6	+0.7
ILAR	Eielson Array	60.47	337	LR	LR	13 34 37.2	

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G26K	Porcupine River	60.50	340	P	P	13 05 06.2	+1.2
E27K	Coleen River	60.52	342	I	Amb	13 05 07.6	
E27K	Coleen River	60.52	342	P	P	13 05 06.5	+1.3
SII	Sitkinak Isian	60.54	327	P	P	13 05 06.4	+0.8
RUA	Susitna One	60.59	333	P	P	13 05 06.8	+0.9
SND	Reindeer	60.60	335	P	P	13 05 06.1	+0.2
PMOR	Pomarioerio Res	60.67	243	eT	T	14 11 08.2	
CCB	Clear Creek Bu	60.76	337	I	Amb	13 05 09.4	
CUT	Chulitna	60.76	334	P	P	13 05 07.8	+0.9
MCK	McKinley	60.78	336	P	P	13 05 08.0	+0.9
WRH	Wood River Hill	60.78	337	I	Amb	13 05 08.5	
H25L	Birch Creek	60.83	339	P	P	13 05 08.2	+0.9
POKR	Poker Plat Res	60.84	337	P	P	13 05 07.8	+0.4
PET01	Ilanhaem-SP	60.86	130	eP	P	13 05 12.3	+4.2
COLA	College	60.88	337	P	P	13 05 07.1	-0.6
COLA	College	60.88	337	I	Amb	13 05 09.3	
COLA	College	60.88	337	P	P	13 05 07.9	+0.3
COLA	College	60.88	337	P	P	13 05 08.4	+0.8
COLA	College	60.88	337	sP	sP	13 05 51.2	+0.4
COLA	College	60.88	337	PcP	PcP	13 05 09.2	+1.1
O20K	Slope Mountain	60.92	331	P	P	13 05 13.3	+4.4
BSCB	Born Succeso	60.94	125	eP	P	13 05 09.9	
D27M	Malcolm River	60.97	343	P	P	13 05 08.9	+0.6
Q19K	Cape Douglas,	61.01	329	P	P	13 05 09.9	+1.2
F26K	Sheenjek Riv	61.03	341	P	P	13 05 09.3	+0.6
CHIR	Chirikof Isian	61.10	326	P	P	13 05 10.3	+1.0
SKT	Skwentna	61.13	333	P	P	13 05 10.7	+1.2
N20K	Mount Spurr	61.13	332	P	P	13 05 09.8	+0.2
G25K	Bearman Lake	61.18	339	P	P	13 05 10.8	+1.1
TRF	Thorofore Moun	61.20	335	P	P	13 05 10.8	+0.7
NEA2	Nena	61.22	336	I	Amb	13 05 14.1	
NEA2	Nena	61.22	336	P	P	13 05 10.7	+0.7
H24K	Noodor Dome	61.35	338	P	P	13 05 11.4	+0.4
F25K	Christian Rive	61.46	340	P	P	13 05 12.2	+0.6
KTH	Kantishna Hill	61.51	335	I	Amb	13 05 13.9	
I23K	Minto, Yukon-K	61.58	337	P	P	13 05 13.1	+0.7
Q18K	Katmai Hardscr	61.60	329	P	P	13 05 13.3	+0.5
G24K	Hadweenciz Riv	61.62	339	P	P	13 05 13.4	+0.7
E25K	Arctic Village	61.71	341	P	P	13 05 14.2	+0.8
O19K	Port Alsworth	61.76	331	P	P	13 05 14.0	+0.4
BPBW	Bear Paw Mtn.	61.76	335	P	P	13 05 13.7	0.0
BPBW	Bear Paw Mtn.	61.76	335	P	P	13 05 14.2	+0.5
PPLA	Purkeypile	61.77	334	P	P	13 05 14.2	+0.3
M20K	Styx River	61.80	333	I	Amb	13 05 15.6	
M20K	Styx River	61.80	333	P	P	13 05 14.9	+0.9
Q17K	Contact Creek	61.92	328	P	P	13 05 15.8	+0.9
CAST	Castle Rocks	61.93	335	P	P	13 05 14.9	+0.1
RCBR	Riachuelo	61.94	105	LR	LR	13 33 42.8	
H23K	Yukon River	61.95	338	P	P	13 05 15.1	+0.1
R17K	Ugashik Creek	62.00	328	P	P	13 05 16.2	+0.8
N19K	Bonanza Creek	62.04	331	P	P	13 05 16.1	+0.4
O18K	Koktuh Hills	62.07	330	P	P	13 05 16.7	+0.9
F24K	Squaw Lake	62.16	340	P	P	13 05 17.4	+1.1
CHUM	Chum Lake Minchum	62.20	335	P	P	13 05 17.0	+0.4
L20K	Farewell, AK	62.34	333	P	P	13 05 18.1	+0.5
M19K	Big River Lodg	62.36	333	I	Amb	13 05 19.9	
M19K	Big River Lodg	62.36	333	P	P	13 05 18.7	+1.0
Q16K	King Salmon	62.43	329	P	P	13 05 18.4	+0.2
P17K	Kvichak River	62.47	329	P	P	13 05 19.1	+0.7
C26K	Camden Bay	62.49	343	P	P	13 05 19.1	+0.7
G23K	Bananza Creek	62.52	338	I	Amb	13 05 21.0	
G23K	Bananza Creek	62.52	338	P	P	13 05 19.2	+0.4
I21K	Tana	62.59	336	I	Amb	13 05 22.3	
I21K	Tana	62.59	336	P	P	13 05 18.7	-0.5
D25K	Kavik River	62.60	342	P	P	13 05 19.8	+0.5
E24K	Your Creek	62.63	340	P	P	13 05 20.1	+0.6
N18K	Kilaita Creek	62.					

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SPITS Spitsbergen Arr, PAB San Pablo, ESBB Sonseca Array, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, PZH PanZhihua, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSRS Korea Array, IDC 16:13:00.32, etc.

Table with columns: WHXT, Lake Whitney, 105.08, 60, IAMS_20, IAMS_20, 15 44 58.9, etc. Lists various radio stations and their frequencies.

Table with columns: KIV, Adamsville, 117.21, 50, IAMS_20, IAMS_20, 15 56 32.6, etc. Lists various radio stations and their frequencies.

Table with columns: TORD, PKPab, PKPab, 15 10 43.8 +1.9, etc. Lists various radio stations and their frequencies.

DC 16 14:52:32.5, 0.8, 21:38S; 168.61E, h0km, mb4.8/13, mbmp4.8/14, ML4.4/1, MS4.9/9, Error ellipse: s-nmaj=22.1km s-min=19.1km az=124.0

NEIC 16 14:52:36.3, 2.1:43S; 168.53E; h12km, Moment Tensor Solution: Duration: 2.5 Moment tensor: Scale 1019Nm; M=7.48; Ms=3.03; Mw=4.46; Mb=3.48; Mw=3.00; Mw=1.96; Fault plane solution: M0: 7.98000e+16 NP1: phi=120.20000; delta=178.0000; lambda=118.31000; NP2: phi=341.25000; delta=240.0000; lambda=58.94000; Principal axes: T 6.8528, Plg3.0000; Azm230.0000; P -2.2485, Plg22.0000; Azm139.0000; P -9.1013, Plg68.0000; Azm327.0000;

NEIC 16 14:52:36.3, 2.1:73S; 168.42E, h12km NEIC 16 14:52:36.3, 2.1:74S; 0.06:168.42E; 0.06, h10km, 1km, mb5.1/27, Mw=5.2/22, Error ellipse: s-nmaj=13.4km s-min=8.0km az=40.0

GCMT 16 14:52:39.0, 0.1, 21:37S; 0.01:168.49E; 0.10, h12km, Mw=5.1/38, Moment Tensor Solution: s61, c79; i38, c217; Duration: 1.0 Moment tensor: Scale 1017 Nm; M=0.77; Ms=0.31; Mw=0.45; Mw=0.45; Mw=0.08; Mw=0.30; Mw=0.30; Mw=0.30; Best double couple: Mo: 7.48000e+16 NP1: phi=151.00000; delta=84.00000; lambda=77.00000; NP2: phi=312.00000; delta=84.00000; lambda=104.00000; Principal axes: T 0.7000, Plg2.0000; Azm232.0000; N 0.0970, Plg9.0000; Azm322.0000; P -0.7970, Plg80.0000; Azm129.0000; nsta1 refers to surface waves, cutoff=40s, Triangulation moment-rate function

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, etc. Lists various radio stations and their frequencies.

16d 15h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Neumayer Olymp, Neumayer-Watz, Neumayer-Stein, etc.

IDC 16 15:11:25.8;1.4, 21.64S; 168.65E, h0km, mb4.3/5, mbmp4.3/6, ML4.2/1, MS3.8/1, Error ellipse: s-maj=34.3km s-min=26.8km az=159.0

NEIC 16 15:11:30.2;1.4, 21.49S; 0.0;168.47E;0.02, h18km, 5km, mb4.4/17, Error ellipse: s-maj=9.0km s-min=2.9km az=179.0

IDC 16 15:11:29.2;0.9, 21.51S; 0.008; 168.50E; 0.009, h20km, n34, c1616/34, mb4.4/13, Locality Islands

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

IDC 16 15:17:40.6;0.8, 10.10S; 161.12E, h0km, mb3.8/7, mbmp4.1/13, ML3.3/2, MS3.7/3, Error ellipse: s-maj=20.4km s-min=18.9km az=90.0

NEIC 16 15:17:44.3;2.2, 10.15S; 0.1; 161.0E; 0.1, h10km, 2km, mb4.4/6, Error ellipse: s-maj=28.0km s-min=13.6km

2017 NOV

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Honiara, Warramunga Arr, etc.

IDC 16 15:23:27.2;1.1, 10.20S; 161.04E, h0km, mb3.8/7, mbmp3.8/7, Error ellipse: s-maj=27.1km s-min=23.1km az=62.0

NEIC 16 15:23:30.6;0.8, 10.13S; 0.2; 161.0E; 0.2, h5km, 9km, mb4.5/6, Error ellipse: s-maj=46.2km s-min=6.3km az=220.0

IDC 16 15:23:31.9;3.3, 10.15S; 0.4; 160.9E; 0.4, h10km, n19,

1170 Bougainville-Solomon Islands region

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

IDC 16 15:28:50.3; 35.94N; 32.18E, h36km, 47km, ML2.9/8, AFAD 16 15:28:51.6; 0.0, 35.82N; 32.21E, h48km, 1km, ML2.7

ISK 16 15:28:52.1; 35.75N; 32.14E, h40km, 1km, ML2.9/4, ISK 16 15:28:52.5; 35.75N; 32.13E; 0.03, h47km, 20km, n52, c082/68, Cyprus region

IDC 16 15:28:52.5; 35.75N; 32.13E; 0.03, h47km, 20km, n52, c082/68, Cyprus region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KMER, BUCA, AKAS, KSL, KSL, KONT, KONT, KERG.

IDC 16:15:43.23.9.0.7, 21.53Sx168.72E, h0km, mb4.0/12, mbmp4.0/14, ML4.1/2, MS3.7/11, Error ellipse: s-maj=23.4km s-min=16.3km az=150.0

NEIC 16:15:43.29.7.1.6, 21.44Sx168.43E, h20km, 4km, mb4.7/4.1, Error ellipse: s-maj=6.1km s-min=4.2km

ISC 16:15:43.28.7.0.8, 21.46Sx168.47E, h0.05, h20km, 4km, n99.1c40/96, mb4.6/31, MS3.8/9, 4C-5D, Loyalty Islands

Main table for station 1171, listing codes, station names, and various parameters like Az, Phase ID, Time, Res.

Table for station 1172, listing codes, station names, and various parameters like Az, Phase ID, Time, Res.

IDC 16:15:51.41.8.0.5, 58.70Sx62.79W, h0km, mb4.7/13, mbmp4.7/15, ML4.5/2, MS4.5/37, Error ellipse: s-maj=25.6km s-min=13.4km az=85.0

MOS 16:15:51.42.7.1.3, 58.54Sx62.86W, h10km, mb5.4/20, Error ellipse: s-maj=23.9km s-min=7.5km az=92.7

NEIC 16:15:51.44.3.58, 58.55Sx62.91W, h20km, Moment Tensor Solution: Duration: 2s Moment tensor: Scale 1077Nm; M=0.20; M=0.18; M=0.03; M=0.53; M=1.03; M=0.46; Fault plane solution: M=1.24000x10^17 NP1:0.92, 00000; 571.420000; 125.920000; NP2:0.353, 200000; 865.520000; 1159.520000; Principal axes: T 1.3518, Plg131.0000; Azm314.0000; N -0.2156, Plg58.0000; Azm125.0000; P -1.1362, Plg4.0000; Azm222.0000;

NEIC 16:15:51.44.3.1.5, 58.54Sx62.91W, h20km, BUJ 16:15:51.46.0.0.0, 58.60Sx63.00W, h10km, mb5.4/2, MS5.2/4, MS7.5/0.4

GCMT 16:15:51.47.3.0.1, 58.58Sx01.62, 83W, h10km, 1km, MW2.5/121, Moment Tensor Solution: s81.c125; 121.c189; Duration: 1s Moment tensor: Scale 10^16 Nm; M=0.42±.18; M=0.2±.15; M=0.2±.39; Best double couple: M=9.32500x10^16 NP1:0.262, 00000; 889.000000; 15.000000; NP2:0.353, 000000; 875.000000; 179.000000; Principal axes: T 9.4940, Plg10.0000; Azm308.0000; N -0.3470, Plg75.0000; Azm78.0000; P -9.1500, Plg12.0000; Azm216.0000; nstai refers to body waves, cutoff=40; nstaz2 refers to surface waves, cutoff=50; Triangular moment-rate function

ISC 16:15:51.43.8.0.2, 58.59Sx01.04, 63.08W, h10km, n357, c161/334, mb5.2/67, MS4.6/39, 11C-7D, Drake Passage

Main table for station 1172, listing codes, station names, and various parameters like Az, Phase ID, Time, Res.

Main table for station 16d 15h, listing codes, station names, and various parameters like Az, Phase ID, Time, Res.

16d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like LVC, PB04, SPB, PB09, etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like WIN, ZARC, UREC, etc.

1172

Table with columns for station name, frequency, power, and other technical details. Includes stations like BCAR, L27K, L26K, etc.

16d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like LCO Las Campanas, AQDB Aquidauana, PDRB Porto dos Gac, etc.

JMA 16 17:04:47.2,0.2,25°N,1°12'22.4E,0.5,h105km,2km, MV2.7/17, TAIWAN REGION
TAP 16 17:04:47.0,24.76N,122.36E,h111km,ML3.5,D
ISC 16 17:04:46.1,3,24.70N,0.003,122.41E,0.02,h110km,6km, n136, s1907/256, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like E0S2 E0S2, E0S3 E0S3, E0S4 E0S4, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like NWLTL baz=274, NHDH Xindian Distri, NHDH baz=284, etc.

1174

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like SMLT Sun Moon Lake, SMLT baz=233, SMLT baz=233, etc.

Table with columns: ECL, Station Name, Time, Res, Pn, Az, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like Taimali, Irabujima, Cishan, BSBT, etc.

IDC 16 17:04:59.5-4.0,074S-131.05E,h0km,mb3.4/2, mbtmp3.4/3,ML3.3/1,MS3.8/1, Error ellipse: s-maj=265.1km s-min=29.2km az=72.0,Irian Jaya region

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

NEIC 16 17:16:10.5-0.7,19.79N-104.155-53W,0.05,h26km,3km, Error ellipse: s-maj=7.9km s-min=4.8km az=58.0

HVO 16 17:16:12.1-2.1,19.777N-100.009-155.56W,0.02,h17km,3km,ML2.6/14,ML2.6/36(NEIC), Error ellipse: s-maj=2.4km s-min=0.7km az=58.0,Hawaiian Islands

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like POHA, HMH, MLOA, ALEP, HUH, HPAH, MWH, MLH, KHLU, RSD, AIN, UWB, WRHM, SBLHI, HATHI, PUH, MHA, KHU, HLP, STCH, etc.

IDC 16 17:32:06.7-0.9,32.52N-141.42E,h0km,mb3.8/11, mbtmp3.8/15,ML3.0/3, Error ellipse: s-maj=25.4km s-min=15.3km az=64.0

JMA 16 17:32:11.2-0.5,33.1N-141.1E,h63km,MV3.5/31,E OFF HACHUJIMA ISLAND

ASC Alice Springs 16 17:32:10.6-0.7,32.58N-105.141-50E,0.08,h31km,n24, s1537/42,mb3.9/11,Southeast of Honshu

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like JAOM, BSO1, JOD2, JHU, JRY, JAG, MJAR, etc.

TEH 16 17:33:13.0-3.4,64.6N-46.27E,h7km,9km,ML3.2 AFAD 16 17:33:18.9-0.0,34.43N-45.40E,h6km,5km,MW3.7

IDC 16 17:33:13.7-1.2,34.64N-46.19E,0.05,h10km,9km,n25,s218/34,Western Iran

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like IDHR, IGHG, ILIN, KCHF, ILBA, IKOM, IBZA, SDSI, IKFMI, MAHB, YOVA, CUKT, IAKT, ITBZ, IHSB, IHRH, SIRN, IPIR, GRMI, PERV, JHBN, MIDY, BTMN, MARD, IZEF, etc.

IDC 16 17:44:26.1-1.4,5.52N-126.23E,h0km,mb3.4/3, mbtmp3.4/3,MS3.6/1, Error ellipse: s-maj=12.9km s-min=6.0,Mindanao

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

CTA Charters Tower 32.17 143 LR LR 18 03 47.6

MKAR Makanchi Array 55.82 325 P P 17 54 05.6 +0.3

IDC 16 17:54:14.9-1.0,3.62S-149.69E,h0km,mb3.7/6, mbtmp3.8/7,ML3.0/1,MS3.4/15, Error ellipse: s-maj=30.6km s-min=23.9km az=117.0

ISC 16 17:54:17.9-0.9,3.75S-149.7E,0.1,h20km,n24, s093/9,mb3.7/6,MS3.4/14,Bismarck Sea

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like KRVT, HNR, GUMO, WRA, DZM, ASAR, MMRI, STKA, MSVF, JCJ, MJAR, RPZ, USRK, KLR, PETK, MA2, SONM, MKAR, ZALV, AAK, ILAR, TORD, etc.

IDC 16 17:57:11.2-2.4,17.07S-178.66W,h556km,22km,mb3.2/6, mbtmp4.0/7, Error ellipse: s-maj=81.7km s-min=22.4km az=147.0

ISC 16 17:57:10.8-1.6,17.05S-178.7W,0.3,h550km,n7, s063/7,mb3.8/6,Fiji Islands region

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like MSVF, CTA, STKA, WRA, ASAR, ILAR, TXAR, etc.

IDC 16 17:58:24.2-2.9,8.43S-115.26E,h123km,25km,mb3.6/13, mbtmp4.0/15, Error ellipse: s-maj=25.4km s-min=11.0km az=52.0

NEIC 16 17:58:25.1-1.6,8.6S-0.1,115.25E-0.08,h117km,7km, mb4.1/11, Error ellipse: s-maj=16.1km s-min=11.0km az=183.0

DJA 16 17:58:26.6-0.5,9.5S-110.5E,h102km,4km,M4.1/12, mb4.4/3,mb4.6/2,MLV4.0/12,Mv(m)3/8/2

ISC 16 17:58:24.6-0.6,8.61S-115.22E,0.04,h124km,6km,n70,s161/77,mb4.0/17,Bali region

Table with columns: Code, Station Name, Time, Res, Pn, Az, Phase ID, Op, ISC, h, m, s, ISC. Includes stations like DNP, IGBI, SRBI, JAJG, ABJI, TWSI, PLAI, UGM, BAKI, KAPI, BKSI, EDFI, BATI, SOEI, XMSI, SBLU, MBWA, PSAL, GIRL, GNRL, KNRA, MTN, KAPI, KDU, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res, h m s, I SC. Includes stations like SP40 Spitsbergen Ar, SPB2 Danmarks Havn, ARCES ARCESS Array B, etc.

IDC 16:20:17:47.9, 1.1, 50.13N, 88.09E, h0km, mb3.6/2, mtbpm3.57, ML3.2/4, Error ellipse: s-maj=13.6km s-min=1.3km az=17.0

ASRS 16:20:17:48.0, 3.0, 50.12N, 88.09E, h10km, Mb3.9/11, Error ellipse: s-maj=3.4km s-min=3.3km az=48.7, confirmed

MOS 16:20:17:53.0, 1.1, 50.05N, 87.27E, h14km, mb3.9/1, Error ellipse: s-maj=11.4km s-min=7.7km az=78.2

ISC 16:20:17:50.4, 0.9, 50.12N, 87.96E, 0.02, h14km, 6km, n47, r1568/74, 10C-15N, Southwestern Siberia

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res, h m s, I SC. Includes stations like CUR Chagan-Uzun, AKAR Aktash, CHBI Chibit, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res, h m s, I SC. Includes stations like KURBB comp=Z,24nm,0.8s, KURBB Kurchatov Arra, etc.

CATAC 16:20:18:04.5, 1.3, 3.56N, 82.08W, h10km, MB6.3, mb6.2, ML6.3, Hypocentre not reviewed by the ISC

UCR 16:20:18:22.1, 1.0, 4.88N, 82.52W, h10km, MW4.9, MBS.2(NEIC)

IDC 16:20:18:23.1, 0.5, 4.84N, 82.69W, h0km, mb4.8/27, mtbpm4.9/35, ML4.1/7, MS4.3/49, Error ellipse:

MOS 16:20:18:24.5, 1.5, 4.95N, 82.77W, h10km, MBS.3/44, Error ellipse: s-maj=8.7km s-min=6.1km az=86.7

NEIC 16:20:18:24.4, 4.87N, 82.51W, h12km, Moment Tensor Solution. Duration: 2s1 Moment tensor: Scale 10^16Nm;

NEIC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

ISC 16:20:18:24.5, 0.3, 4.81N, 82.64W, h0.05, h12km, n1165, r1571/951, mbs.2/323, m04.3/45, 9C-23D, South of Panama

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res, h m s, I SC. Includes stations like POTG comp=Z,83um,1.0s, PNME Phenomene, etc.

16d 20h

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

2017 NOV

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

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like VILB, Z51A, GOGA, etc.

U59A	baz=189,SNR=5.8	P	P	20 24 49.3 +1.2
ABTX	Abilene, Hawle comp=Z,27nm,1.4s	I Amb	I Amb	20 25 00.3
ABTX	Abilene, Hawle baz=146	P	P	20 25 07.7 +0.7
LCAR	Lake Charles baz=164,SNR=41	31.91 332	P	20 24 51.3 -0.1
T50A	Nancy comp=Z,42nm,1.4s	32.12 357	I Amb	20 24 53.6
T50A	Nancy baz=176	32.12 357	P	20 24 51.9 +0.1
T50A	Nancy	32.18 5	P	20 24 51.9 +0.1
FCAR	Ozark Folk Cen comp=Z,27nm,1.0s	32.14 345	I Amb	20 24 53.0
BBRB	Robore, Bolivi	32.14 136	eP	20 24 51.9 -0.4
T57A	Hurt comp=Z,34nm,0.9s	32.18 5	I Amb	20 24 52.7 +0.4
T57A	Hurt baz=186,SNR=12	32.18 5	P	20 24 52.7 +0.4
T57A	Hurt	32.23 324	P	20 24 56.4
ALPN	Alpine comp=Z,55nm,1.1s	32.23 324	I Amb	20 24 53.6 +0.4
T47A	Sharon Grove baz=171,SNR=10	32.28 353	P	20 24 55.9
BLA	Blacksburg comp=Z,28nm,1.0s	32.31 3	I Amb	20 24 53.4 0.0
BLA	Blacksburg baz=184	32.31 3	P	20 24 54.2 +0.7
SLBS	Sierra La Lagu comp=Z,29nm,1.1s	32.32 308	I Amb	20 24 55.7 +1.9
SLBS	Sierra La Lagu	32.34 8	I Amb	20 24 58.4
T59A	Double "B" Far comp=Z,24nm,0.9s	32.34 8	I Amb	20 24 53.9 +0.2
T59A	Double "B" Far baz=189,SNR=5.8	32.34 8	P	20 24 53.9 +0.2
T59A	Double "B" Far	32.35 335	I Amb	20 24 55.4
WTF5	Witchita Falls comp=Z,16nm,0.8s	32.35 335	I Amb	20 24 58.4
MNHN	Monahans comp=Z,59nm,1.5s	32.46 327	I Amb	20 24 57.4
PBMO	Poplar Bluff comp=Z,50nm,1.4s	32.61 348	I Amb	20 24 55.9 -0.1
PBMO	Poplar Bluff baz=165	32.61 348	P	20 24 59.9 +0.2
SS1A	Beattyville comp=Z,23nm,0.8s	32.68 359	I Amb	20 24 56.9 +0.2
SS1A	Beattyville baz=178,SNR=9.2	32.68 359	P	20 24 56.9 +0.2
SS1A	Beattyville	32.70 331	I Amb	20 25 02.4
SN01	Snyder T comp=Z,16nm,0.9s	32.71 332	I Amb	20 26 00.0
APM7	Aspermont comp=Z,16nm,1.0s	32.77 345	I Amb	20 24 57.6 +0.1
U40A	Yellville baz=161,SNR=10	32.77 345	P	20 24 57.6 +0.1
U40A	Yellville	32.82 308	LR	20 35 22.1
LPIG	La Paz comp=Z,55nm,20.1s	32.82 308	LR	20 25 05.3
ODSA	Odesa comp=Z,35nm,1.1s	32.95 328	I Amb	20 25 00.1 +0.9
S57A	Dark Hollow, R baz=186	32.97 5	P	20 25 00.1 +0.9
S57A	Dark Hollow, R	33.10 325	I Amb	20 25 03.5
PECS	Pecos comp=Z,19nm,1.3s	33.10 325	I Amb	20 25 07.4
POST	Post comp=Z,16nm,0.9s	33.16 330	I Amb	20 25 00.9 -0.7
TUL3	Leonard baz=155	33.24 340	P	20 25 01.9 +0.3
TUL3	Leonard baz=155	33.24 340	P	20 25 01.8 -0.1
U38A	Gravette baz=158	33.27 343	P	20 25 02.4 +0.4
R58B	Mineral baz=188	33.28 7	P	20 25 02.4 +0.4
R58B	Mineral	33.28 7	P	20 25 01.9 0.0
S44A	Carbondale baz=168,SNR=13	33.28 350	P	20 25 02.1 -0.2
WMOK	Wichita Mounta baz=150,SNR=14	33.32 335	P	20 25 02.2 -0.2
WMOK	Wichita Mounta baz=150,SNR=14	33.32 335	P	20 25 02.9 +0.4
R50A	Paris baz=177,SNR=7.3	33.35 358	P	20 25 03.9
R50A	Paris	33.37 1	I Amb	20 25 02.7 0.0
R53A	Hurricane comp=Z,24nm,0.8s	33.37 1	I Amb	20 25 02.7 0.0
R53A	Hurricane baz=181	33.37 1	P	20 25 07.7
R53A	Hurricane	33.38 346	I Amb	20 25 04.3
DKNS	Dickens comp=Z,16nm,0.8s	33.37 332	I Amb	20 25 07.9
MGMO	Mountain Grove comp=Z,48nm,1.1s	33.38 346	I Amb	20 25 02.9 -0.1
R49A	Shelbyville baz=175,SNR=12	33.40 356	P	20 25 04.4
R49A	Shelbyville	33.42 339	I Amb	20 25 02.6 -0.5
DEOK	Depew comp=Z,44nm,1.1s	33.43 355	I Amb	20 25 03.3 +0.1
WCI	Wyandotte Cave comp=Z,44nm,1.1s	33.43 355	I Amb	20 25 03.6 +0.4
WCI	Wyandotte Cave baz=173	33.43 355	P	20 25 02.7 -0.5
WCI	Wyandotte Cave	33.43 355	P	20 25 04.1 -0.4
CBN	Corbin Frederi baz=189	33.58 8	P	20 25 05.1 -0.6
SALV	Santo Antonio comp=Z,29nm,0.9s	33.69 128	eP	20 25 08.1
FVM	French Village comp=Z,36nm,1.1s	33.77 349	I Amb	20 25 06.4 +0.2
FVM	French Village baz=166,SNR=7.6	33.77 349	P	20 25 07.0
QUOK	Quay comp=Z,25nm,0.9s	33.79 339	I Amb	20 25 09.4
Q52A	Bidwell comp=Z,30nm,0.9s	33.99 1	I Amb	20 25 07.7 -0.4
Q52A	Bidwell baz=180,SNR=5.8	33.99 1	P	20 25 07.7 -0.4
Q52A	Bidwell	34.01 348	P	20 25 07.1 -1.2
CCM	Cathedral Cave baz=164	34.01 348	P	20 25 07.3 -1.0
CCM	Cathedral Cave	34.01 348	P	20 25 07.1 -1.2
CCM	Cathedral Cave	34.01 348	P	20 25 25.7
Q54A	Coxs Mills comp=Z,29nm,1.1s	34.05 3	I Amb	20 25 09.2 +0.5
Q54A	Coxs Mills baz=183	34.05 3	P	20 25 09.2 +0.5
Q54A	Coxs Mills	34.06 359	I Amb	20 25 10.0
Q51A	Peebles comp=Z,44nm,0.9s	34.06 359	P	20 25 08.6 -0.1
Q51A	Peebles baz=178,SNR=11	34.06 359	P	20 25 08.6 -0.1
Q51A	Peebles	34.13 352	P	20 25 09.1 -0.2
OLIL	Olney baz=170,SNR=8.7	34.13 352	P	20 25 10.7
S39A	Bolivar comp=Z,26nm,0.9s	34.15 345	I Amb	20 25 09.2 -0.2
S39A	Bolivar	34.15 345	P	20 25 10.6 +0.5
MNTX	Cornudas Mount baz=137,SNR=48	34.21 324	P	20 25 10.9 +0.7

MNTX	Cornudas Mount baz=137,SNR=48	34.21 324	P	20 25 10.9 +0.7
Q56A	Snyder Ridge, comp=Z,41nm,1.0s	34.22 5	I Amb	20 25 15.8
Q56A	Snyder Ridge, baz=186,SNR=9.4	34.22 5	P	20 25 10.6 +0.5
Q56A	Snyder Ridge		P	20 25 10.6 +0.5
SMWD	Samnorwood comp=Z,11nm,0.7s	34.26 334	I Amb	20 25 16.2
T35B	Sooner Cattle baz=155,SNR=12	34.39 340	P	20 25 11.9 +0.2
Q44A	Meyer Farm, Va baz=168,SNR=5.8	34.42 351	P	20 25 11.8 -0.1
R40A	Maddies Statio baz=163,SNR=5.3	34.46 347	P	20 25 12.2 0.0
MSTX	Muleshoe comp=Z,31nm,0.8s	34.52 330	P	20 25 13.1 +0.2
P53A	Whipple baz=182	34.53 2	P	20 25 13.7 +0.8
P53A	Whipple		P	20 25 13.7 +0.8
CROK	Carrier comp=Z,30nm,0.9s	34.55 338	I Amb	20 25 13.5
P48A	Milroy baz=175,SNR=8.8	34.58 356	P	20 25 12.0 -1.3
P48A	Milroy		P	20 25 12.0 -1.3
P49A	Miami Univ. Ec comp=Z,31nm,1.1s	34.62 357	I Amb	20 25 15.1
P49A	Miami Univ. Ec	34.62 357	P	20 25 13.1 -0.5
P49A	Miami Univ. Ec	34.62 357	P	20 25 13.1 -0.5
P52A	Corning baz=187	34.67 1	P	20 25 13.3 -0.6
AMTX	Amarillo baz=145	34.73 332	P	20 25 15.0 +0.3
P57A	Homestead Farm comp=Z,42nm,1.1s	34.77 6	I Amb	20 25 16.6 +1.8
P57A	Homestead Farm	34.77 6	P	20 25 16.6 +1.8
P57A	Homestead Farm	34.78 4	P	20 25 14.5 -0.5
MCWV	Mont Chateau baz=182	34.78 4	P	20 25 16.8
P46A	Rosedale comp=Z,31nm,0.8s	34.89 354	I Amb	20 26 25.4
KAN17	Caldwell West comp=Z,31nm,0.8s	34.95 339	I Amb	20 25 18.5 +0.4
O52A	Adamsville baz=181	35.15 1	P	20 25 18.5 +0.4
O52A	Adamsville		P	20 25 22.2
KAN08	Anthony NE Sta comp=Z,34nm,0.9s	35.18 339	I Amb	20 25 18.8 0.0
P43A	Skaggs, Pawnee baz=168,SNR=6.5	35.23 351	P	20 25 19.0 0.0
O49A	Covington comp=Z,17nm,1.0s	35.25 358	P	20 25 19.0 0.0
O49A	Covington		P	20 25 20.5
ACSO	Alum Creek Sta comp=Z,30nm,0.8s	35.26 360	I Amb	20 25 20.5
ACSO	Alum Creek Sta	35.26 360	P	20 25 18.6 -0.5
ACSO	Alum Creek Sta	35.26 360	P	20 25 18.4 -0.7
O53A	New Philadelphia comp=Z,61nm,1.6s	35.30 2	I Amb	20 25 21.7
O53A	New Philadelphia	35.30 2	P	20 25 19.0 -0.4
PP1B	Ponte de Pedra baz=182	35.31 130	eP	20 25 20.0 +0.2
SND8	Serra Nova Dou comp=Z,34nm,0.9s	35.35 118	eP	20 25 19.6 -0.6
O48B	Farmland baz=176,SNR=6.7	35.36 357	P	20 25 19.1 -0.8
O48B	Farmland	35.36 357	P	20 25 21.7 +0.7
PABK	Blue Knob Sta baz=187	35.48 5	P	20 25 26.1
MVL	Millersville comp=Z,25nm,0.9s	35.48 8	I Amb	20 25 22.3
P40A	Paris comp=Z,37nm,1.1s	35.59 347	I Amb	20 25 20.3 -1.6
P40A	Paris	35.59 347	P	20 25 22.8
SFIN	Lafayette comp=Z,54nm,1.2s	35.63 354	I Amb	20 25 21.4 -0.2
SFIN	Lafayette	35.63 354	P	20 25 22.6 -0.8
SFIN	Lafayette	35.63 354	P	20 25 25.4 +0.7
BDQN	Bodoquoia, MS comp=Z,40nm,1.1s	35.73 135	eP	20 25 29.9
SSPA	Standing Stone baz=188	35.92 6	I Amb	20 25 24.7 -0.1
SSPA	Standing Stone	35.92 6	P	20 25 25.7 +0.9
SSPA	Standing Stone	35.92 6	P	20 25 24.7 -0.7
MUR7	Porto Murinho comp=Z,57nm,1.1s	35.97 138	eP	20 25 24.5 -0.7
N49A	Columbus Grove baz=177	35.98 358	P	20 25 24.5 -0.7
N49A	Columbus Grove		P	20 25 27.8
N47A	Urbana comp=Z,43nm,1.2s	36.01 356	I Amb	20 25 29.8 +2.0
121A	Cookes Peak, D baz=137,SNR=7.0	36.23 323	P	20 25 31.1 +3.3
121A	Cookes Peak, D	36.23 323	P	20 25 28.4 +0.8
N58A	Sunbury baz=190	36.26 8	P	20 25 28.4 +0.8
N58A	Sunbury		P	20 25 33.6
319A	Douglas comp=Z,78nm,1.3s	36.39 320	I Amb	20 25 30.5
KSUI	Kansas State U comp=Z,52nm,1.0s	36.41 342	I Amb	20 25 29.5 -0.4
AQDB	Aquidauana comp=Z,20nm,0.8s	36.49 134	eP	20 25 34.1
RTBA	Rita Blanca comp=Z,20nm,0.8s	36.49 332	I Amb	20 25 29.0 -0.7
N41A	Harold Midland baz=166,SNR=7.7	36.49 349	P	20 25 32.2 +0.8
M57A	Sunshine Farm, baz=189,SNR=12	36.70 7	P	20 25 32.2 +0.8
M57A	Sunshine Farm		P	20 25 34.7 +2.6
Y22A	Socorro comp=Z,137,SNR=26	36.75 325	P	20 25 34.2 +1.4
Y22A	Socorro	36.83 325	P	20 25 34.8 +2.0
Y22F	Pascal Instru baz=137	36.83 325	P	20 25 34.8 +2.0
N38A	Joess South For comp=Z,182,SNR=12	37.07 347	P	20 25 39.8
KSPA	Keystone Colle comp=Z,62nm,1.0s	37.10 9	I Amb	20 25 36.3 +1.5
KSPA	Keystone Colle	37.10 9	P	20 25 36.9 +0.9
ANMO	Albuquerque comp=Z,63nm,1.1s	37.21 327	I Amb	20 25 37.6 +1.5
ANMO	Albuquerque	37.21 327	P	20 25 38.5 +2.4
ANMO	Albuquerque	37.21 327	P	20 25 36.8 +0.7
ANMO	Albuquerque	37.21 327	P	20 25 37.0 +0.9
ANMO	Albuquerque	37.21 327	LR	20 42 02.2
ERPA	Erie baz=184	37.22 3	P	20 25 37.0 +1.1
CBKS	Cedar Bluff baz=184	37.24 338	P	20 25 36.5 +0.4
CBKS	Cedar Bluff	37.24 338	P	20 25 37.3 +1.2
BRNY	Black Rk. Fore baz=151	37.25 11	P	20 25 36.2 -0.4
ANTJ	Antonio Joao (baz=151	37.28 137	eP	20 25 69.1
L56A	Greenwood comp=Z,80nm,1.5s	37.44 6	I Amb	20 25 38.1 +0.3
L56A	Greenwood baz=188	37.44 6	P	20 25 38.1 +0.3

L56A	baz=188		P	20 25 38.1 +0.3
SMTB	Santa Maria do Oliver, Polo comp=Z,37nm,1.0s	37.49 111	eP	20 25 38.5 0.0
L42A	Oliver, Polo	37.56 351	I Amb	20 25 39.1
C25B	Chapadoo de Ss Trinidad	37.56 129	eP	20 25 39.8 +0.8
T25A	Trinidad comp=Z,33nm,1.1s	37.85 331	I Amb	20 25 45.8
T25A	Trinidad	37.85 331	P	20 25 43.0 +1.5
L40A	Anamosa baz=143,SNR=18	37.87 350	I Amb	20 25 40.6 -0.8
L40A	Anamosa comp=Z,46nm,1.2s	37.87 350	P	20 25 43.3 +0.9
TUC	Tucson	37.97 320	P	20 25 44.1 +1.8
TUC	Tucson	37.97 320	P	20 25 43.3 +0.9
TUC	Tucson		P	20 25 46.8
MMNY	Mt. Morris Dam comp=Z,46nm,1.1s	37.99 6	I Amb	20 25 44.1 +0.7
M65A	Busby, Faloutm baz=159	38.13 15	P	21 06 19.8
H03N2	Juan Fernandez baz=354,slow=76,SNR=5.1	38.21 175	T	21 06 20.8
H03N1	Juan Fernandez baz=354,slow=76,SNR=5.1	38.21 175	T	21 06 19.6
H03N3	Juan Fernandez baz=354,slow=76,SNR=6.5	38.21 175	T	20 25 45.9 -1.1
JFWS	Jewell Farm baz=168	38.54 351	P	20 25 48.7 +1.3
KSCO	Key Shedlock' baz=147	38.57 335	P	20 25 52.2
J56A	Wolcott comp=Z,62nm,0.9s	38.64 7	I Amb	20 25 54.3
SDCO	Great Sand Dun comp=Z,62nm,1.1s	38.66 331	I Amb	20 25 51.1
SDCO	Great Sand Dun	38.66 331	P	20 25 52.4 +2.4
SDCO	Great Sand Dun	38.66 331	P	20 25 55.0
X18A	Snowflake comp=Z,51nm,1.1s	38.92 323	I Amb	20 25 54.2
J58A	Remsen comp=Z,52nm,0.9s	38.93 9	I Amb	20 25 51.0 +0.7
J58A	Remsen	38.93 9	P	20 25 51.0 +0.7
J58A	Remsen		P	20 25 53.0 +1.2
214A	baz=192,SNR=7.8	39.09 317	P	20 25 52.7 +0.5
J59A	Piesco baz=193</			

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Table with columns: ID, Name, Elevation, Location, Status, Date, Time, etc. Includes entries like CROM Cirque, EPYK Eagle Plains, etc.

2017 NOV

Table with columns: ID, Name, Elevation, Location, Status, Date, Time, etc. Includes entries like HDA Harding Lake, HDA Harding Lake, PCAS Casillo Conde, etc.

16d 20h

Table with columns: ID, Name, Elevation, Location, Status, Date, Time, etc. Includes entries like O18K Koktuh Hills, O17K Contact Creek, D24K Happy Valley, etc.

16d 20h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and Time. Includes stations like H17K Granite Mounta, J16C Anvik River, A21K Barrow, etc.

2017 NOV

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and Time. Includes stations like BRG Berggiesshuel, ZVC Zvikov, PRU Pruhonice, etc.

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Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and Time. Includes stations like MND Mandalay, OMAN 16 20:31:12.0, WRA Warramunga Arr, etc.

16d 21h

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

IDC 16 21:33:04.3-0.7, 20'46Sx173.95W, h0km, mb4.2/11, mbmp4.3/13, ML4.1/2, MS3.3/4, Error ellipse: s-maj=25.3km s-min=17.7km az=135.0

NEIC 16 21:33:05.7-1.2, 20'48Sx108.174, 00W:0.10, h10km, 1km, mb4.6/8, Error ellipse: s-maj=19.6km s-min=4.2km az=129.0

ISC 16 21:33:07.9-0.5, 20'49Sx109.09W:0.10, h27km, n87, -0574/82, mb4.5/41, Tonga Islands

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

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Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Tahuroa Road, Rarotonga, etc.

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

SJA 16 21:33:45.9-0.6, 23'69Sx66'86W, h239km, 5km, ML3.4, WVV3.5

GUC 16 21:33:48.8-0.7, 23'66Sx67'21W, h245km, 10km, ML3.7

ISC 16 21:33:44.8-1.8, 23'17Sx100.04, 66.89W, 0.05, h241km, 15km, n35, i1970/61, 3C, Juijuy Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like San Lorenzo, Zapla, Limon Verde, etc.

NEIC 16 21:42:50.4-0.9, 20'45S:0.1x177.6W:0.2, h521km, 9km, mb4.2/16, Error ellipse: s-maj=23.0km s-min=15.5km

IDC 16 21:42:51.3-2.2, 20'35Sx177.66W, h534km, 21km, mb3.2/8, mbmp4.2/10, Error ellipse: s-maj=25.8km s-min=18.4km az=102.0

ISC 16 21:42:52.0-0.7, 20'35S:0.1x177.7W:0.1, h550km, n36, i152/37, mb3.9/13, Fiji Islands region

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

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, ISC. Includes stations like MJAR Matushiro Arr, PETK Petrovsk, KSRS Korea Array, N18K Kilae Creek, etc.

IDC 16 22:08:06.3±1.0, 18°52'N, 145°69'E, h0km, mb3.9/6, mbmp3.9/6, Error ellipse: s-maj=40.3km s-min=21.4km az=100.0

NEIC 16 22:08:19.5±1.6, 18°44'N, 0°07', 145°48'E, h102km, 9/6km, mb4.4/23, Error ellipse: s-maj=22.8km s-min=10.0km az=86.0

ISC 16 22:08:18.8±0.6, 18°44'N, 0°07', 145°47'E, h100km, n33, c081/33, mb4.2/19, Mariana Islands

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, ISC. Includes stations like GUMO Guam, CJC Chijijima, PATS Pohnpai, etc.

IDC 16 22:42:15.7±6.0, 31°08'S, 179°29'W, h0km, mb3.6/2, mbmp3.6/2, Error ellipse: s-maj=236.8km s-min=58.6km az=157.0

WEL 16 22:42:52.5±3.7, 33°S, 14°17'W, h5km, 26/km, M4.3/16, mB4.9/12, ML4.3/17, MLv4.5/16, Mw(mB)4.2/12, Error ellipse: s-maj=0.0km s-min=0.0km az=111.1, confirmed

ISC 16 22:42:46.6±1.3, 32°36'S, 0°11', 178°7'W, h02, h350km, n67, c1973/65, South of Kermadec Islands

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, ISC. Includes stations like GLKZ Green Lake, WMGZ Waiomatitani S, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, ISC. Includes stations like TMVZ Te Maari, ETVZ East Tongariro, etc.

WRA Warramunga Arr 43.60 275 P 22 50 17.3 -0.4

FINES FINESS Array B 146.92 338 PKPbc PKPab 23 01 53.8 +3.9

IDC 16 22:48:40.1±6.2, 21°22'S, 168°50'E, h0km, mb3.5/2, mbmp3.4/3, ML2.9/1, Error ellipse: s-maj=241.9km s-min=36.5km az=147.0, Loyalty Islands

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

PRU 16 22:50:20.1, 46°15'N, 12°85'E, h7km

ROM 16 22:50:21.3±0.1, 46°37'N, 0°04', 12°88'E, 0°004, h6km, ML2.1/31, Error ellipse: s-maj=0.3km s-min=0.1km az=190.0

ISC 16 22:50:21.7±0.9, 46°36'N, 0°01', 12°90'E, h4km, 7/km, n73, c1903/118, 1C-16D, Northern Italy

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, ISC. Includes stations like FUSE Fusea, CLUD Cludnico, etc.

BOO BORDANO 0.15 104 P 22 50 27.9 +0.7

BOO BORDANO 0.15 104 P 22 50 27.9 +0.7

BOO BORDANO 0.15 104 P 22 50 27.9 +0.7

STAL STALIGIAL 0.16 233 P 22 50 25.2 +0.4

GEFF Gemona 0.19 116 P 22 50 25.7 +0.4

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Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, ISC. Includes stations like FVI comp=N,544um,0.1s, FVI comp=E,668um,0.1s, etc.

CIMO Cimolais 0.32 262 P 22 50 27.7 -0.1

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16d 23h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RETA Reutte, OZLJ Ozalj, PTJ Puntijarka, etc.

ROM 16:22:51.14.9.0.1, 46.374N, 0.002, 12.883E, 0.004, h7km, 1km, ML1, 1/8, 1C-3D, Error ellipse: s-maj=0.3km

Main table for ROM station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CLUD Cludnico, FUSE Fusa, MPRI Monte Prat, etc.

IDC 16:22:55.16.7.6.1, 4.04N, 95.81E, h0km, mb3.8/3, mbtmp3.8/3, Error ellipse: s-maj=307.0km

Table for IDC station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

LSZ 16:23:00.43.5.0.3, 8.28S, 32.04E, h22km, MD3.2, ISC 16:23:00.38.2.1.0, 8.03S, 0.08, 32.1E, 0.1, h10km, n6, c355/9, Tanzania

Table for LSZ station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSMZ Kasama, NAKD Nakauka, etc.

IDC 16:23:08.19.6.9.5, 18.01S, 168.23E, h311km, 155km, mb2.7/3, mbtmp3.4/4, Error ellipse: s-maj=297.0km

Table for IDC station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, etc.

NEIC 16:23:08.33.5.1.3, 36.57N, 0.03, 121.31W, 0.08, h11km, 6km, Error ellipse: s-maj=10.2km, s-min=1.3km, az=70.0

NCEDC 16:23:08.33.5.1.2, 36.62N, 0.02, 121.23W, 0.02, h6km, 5km, ML3.0/26, ML2.9/60(NEIC), Error ellipse: s-maj=3.5km

Table for NCEDC station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BVL Bear Valley, BJOM Mount Johnson, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SAO San Andreas Ge, BSRM Salinas Radio, FRP Fremont Peak, etc.

IDC 16:23:43.58.3.41, 87N, 23.62E, h12km, ML2.8/16, SOF 16:23:43.58.7.41, 79N, 23.75E, h14km, MD3.0

Table for IDC station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMB Musomishta, NVR Nevrokopi, etc.

BEO 16:23:43.59.9.0.3, 41.78N, 23.69E, h15km, 2km, ML2.6/14, SOF 16:23:44.00.5.41, 80N, 23.68E, h4km

Table for BEO station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMB Musomishta, NVR Nevrokopi, etc.

ATH 16:23:44.00.7.41, 79N, 23.72E, h16km, 4km, ML2.7/12, MCH 16:23:44.00.7.41, 79N, 23.72E, h16km, 4km, ML2.7/12

Table for ATH station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMB Musomishta, NVR Nevrokopi, etc.

THE 16:23:44.01.5.41, 68N, 23.71E, h18km, 1km, ML2.4/7, Error ellipse: s-maj=1.6km, s-min=0.9km, az=169.0

ISC 16:23:43.58.9.0.9, 41.79N, 0.01, 23.76E, 0.02, h18km, 3km, n94, c1907/138, 15C-8D, Greece-Bulgaria border region

Table for ISC station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMB Musomishta, NVR Nevrokopi, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KVN Kaiserville, KVN comp=E, 28nm, 0.8s, etc.

IDC 16:23:24.15.2.18.0, 22.78S, 69.13E, h0km, mb3.6/3, mbtmp3.6/3, MS3.2/3, Error ellipse: s-maj=597.7km

Table for IDC station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, etc.

ISK 16:23:43.58.3.41, 87N, 23.62E, h12km, ML2.8/16, SOF 16:23:43.58.7.41, 79N, 23.75E, h14km, MD3.0

Table for ISK station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMB Musomishta, NVR Nevrokopi, etc.

BEO 16:23:43.59.9.0.3, 41.78N, 23.69E, h15km, 2km, ML2.6/14, SOF 16:23:44.00.5.41, 80N, 23.68E, h4km

Table for BEO station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMB Musomishta, NVR Nevrokopi, etc.

ATH 16:23:44.00.7.41, 79N, 23.72E, h16km, 4km, ML2.7/12, MCH 16:23:44.00.7.41, 79N, 23.72E, h16km, 4km, ML2.7/12

Table for ATH station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMB Musomishta, NVR Nevrokopi, etc.

THE 16:23:44.01.5.41, 68N, 23.71E, h18km, 1km, ML2.4/7, Error ellipse: s-maj=1.6km, s-min=0.9km, az=169.0

Table for THE station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMB Musomishta, NVR Nevrokopi, etc.

ISC 16:23:43.58.9.0.9, 41.79N, 0.01, 23.76E, 0.02, h18km, 3km, n94, c1907/138, 15C-8D, Greece-Bulgaria border region

Main table for ISC station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMB Musomishta, NVR Nevrokopi, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like RDO, MPEP, PVL, ZAPS, etc.

SOME 17 00:14:22.1, 42.10N:79.08E, h5km
KRNET 17 00:14:22.8-1.0, 42.02N:79.00E, mb2.5
NNC 17 00:14:22.8-1.0, 42.12N:79.11E, h0km, mb3.1, mpv3.1

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like PRZ, TARG, UZB, SATY, SHLS, ZHN, PDGK, KPKS, KURS, KTMS, TNSS, MDOK, MDOK, KOTS, KOTS, KOTS, BLB, BLB.

Table with columns: ULHL, Ulahol, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like ULHL, MTBS, KNOS, DJR, ARX, CHKK, KTBS, NRN, KST, DGS, KUU, TKM2, TDK, KRBS, USP, AML, MAKZ, MK31.

IDC 17 00:20:59.7-2.9, 18.88S:175.98E, h0km, mb4.0/3,
mbmp4.0/4, ML5.4/1, MS3.5/9, Error ellipse:
s-maj=168.2km s-min=23.5km az=154.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like MSVF, MARNC, HNR, RTZ, RAR, CTA, COEN, PPT, WR0, WR0, WB0, WB0, WRA, WRA.

Table with columns: AS31, Alice Springs, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like ASAR, DAV, KAPI, YBH, PFO, ANMO.

IDC 17 00:24:54.4±26.0, 12°20'N:141.77E, h250km, 265km,
mb3.2/5, mbmtpp3.8/5, Error ellipse: s-maj=54.8km
s-min=40.6km az=37.0, South of Mariana Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like WRA, MKAR, KURBB, ILAR, FINES.

NEIC 17 00:33:23.5±1.4, 7.06S:0.07:80.6W:0.1, h35km, 2km,
mb4.6/124, Error ellipse: s-maj=18.0km s-min=10.4km
az=250.0

IDC 17 00:33:25.1±2.9, 7.10S:80.60W, h55km, 25km, mb3.8/14,
mbmp4.1/16, ML3.6/2, MS3.8/20, Error ellipse:
s-maj=27.0km s-min=14.8km az=60.0

ISC 17 00:32.1±0.5, 7.13S:0.06:80.7W:0.07, h29km, n186,
c1705/168, mb4.6/67, MS3.9/15, AD, Off coast of northern Peru

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like ATAH, MCRA, ARNL, BOSC, COCH, SALL, CHSH, NNA, NNA, NNA.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like SLOR, PULU, OTAV, IMBA, CZSB, TUII, TBTG, ROSC, ETMB, LPAZ, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like BRU2, TA02, RMGO, GO01, PATCX, LCR2, PB08, JTS, SOCE, SOCE.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like ARE1, ARE1, COVE, COVE, ACON, MACA, MAUV, MAUV.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like MATN, CRIN, GO02, GO02, VILB, SIV, SIV, SIV.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like TGUH, TGUH, BOAV, HATO, PTLB, PCRVR, H03N2, H03N1, H03N3, CMIG.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like SJG, SJG, CPUP, MDP, BDFB, RPN, PLCA, PLCA.

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Table of astronomical objects with columns for name, RA, Dec, mag, and other parameters. Includes objects like HKT, 152A, LRAL, 251A, HNDH, DRIO, 237A, 237A, Y45A, BRDY, WHTX, TXAR, TKL, FW06, V48A, Z35A, MIAR, SGCY, ABTX, WHAR, MNHN, GNAR, LCAR, FCAR, ODSA, APMT, 425A, PARMO, POST, DKNS, CGM3, FNO, WICKI, TUL3, S44A, MGM0, WCI, OK029, CSTR, SMWD, MSTD, CCM, S39A, T35A, R40A, P40A, ANMO, T25A, L42A, X18A, L40A, W18A, SDCO, JFW5, SRU, F64A, RDMU, BSUT, ISA, SPR3, LAD0, DUG, HWUT, PDW3, PDAR, PDAR, PDAR, HVU, NVAR, NVAR, NVAR.

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Table of astronomical objects with columns for name, RA, Dec, mag, and other parameters. Includes objects like ELK, YHL, ULM, HLID, BOZ, MFID, WFOR, WSO, MSO, F10A, G08A, E09A, NEW, ED7A, EDM, PPT, DBIC, VNA3, VNA2, SNA3, SNA2, SNA1, N30M, TROLL, M29M, L29M, I30M, QSPA, G31M, HMT, I29M, EPYK, BCAR, L27K, Q23K, A36M, I28M, TORD, ESDC, ILAR, D27M, RND, NEA2, CAST, EKA, SUR, H1N3, H1N2, H1N1, H1S2, H1S1, H1S3, ZALV, KURBB, ASAR, WRA, PZH, GCMT, JMA, NEIC, GCMT.

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Table of astronomical objects with columns for name, RA, Dec, mag, and other parameters. Includes objects like M10-0.5, M10-1, M10-2, M10-3, M10-4, M10-5, M10-6, M10-7, M10-8, M10-9, M10-10, M10-11, M10-12, M10-13, M10-14, M10-15, M10-16, M10-17, M10-18, M10-19, M10-20, M10-21, M10-22, M10-23, M10-24, M10-25, M10-26, M10-27, M10-28, M10-29, M10-30, M10-31, M10-32, M10-33, M10-34, M10-35, M10-36, M10-37, M10-38, M10-39, M10-40, M10-41, M10-42, M10-43, M10-44, M10-45, M10-46, M10-47, M10-48, M10-49, M10-50, M10-51, M10-52, M10-53, M10-54, M10-55, M10-56, M10-57, M10-58, M10-59, M10-60, M10-61, M10-62, M10-63, M10-64, M10-65, M10-66, M10-67, M10-68, M10-69, M10-70, M10-71, M10-72, M10-73, M10-74, M10-75, M10-76, M10-77, M10-78, M10-79, M10-80, M10-81, M10-82, M10-83, M10-84, M10-85, M10-86, M10-87, M10-88, M10-89, M10-90, M10-91, M10-92, M10-93, M10-94, M10-95, M10-96, M10-97, M10-98, M10-99, M10-100.

17d 1h

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like O16K Kokwok River B, P16K Nushagak River, C18K Utukok River, etc.

2017 NOV

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like CAST Castle Rocks, UZB Uzynbulak, H22K Ayikyak River, etc.

1190

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like HDA Harding Lake, IL31 Eielson Array, PYUN Ptushan, etc.

Table with columns: ALNE, AI Ain, SNR=16, 72.61 287 i P, P, 01 14 10.1 -0.3, ...

Table with columns: CRVS, Cervenica-Dubn, 79.12 324 eP, P, 01 14 47.6 +0.6, ...

Table with columns: GERES, GERESS Array B, 82.60 328 P, P, 01 15 05.2 -0.5, ...

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VAE Valguarnera, BRDY Brady, O48B Farmlid, etc.

NEIC 17 01:17:08.7±1.1, 36.586N, 0.009-121.28W, 0.02, h1.8km, Error ellipse: s-maj=2.0km s-min=1.2km az=77.0

NCEDC 17 01:17:08.7±1.1, 36.586N, 0.009-121.28W, 0.02, h6km±5km, ML3.0/15, ML2.9/32(NEIC), Error ellipse: s-maj=2.4km s-min=1.6km az=56.0, Central California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BVL Bear Valley, SCZ Santa Cruz, BJCM Pinnacles, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMRM Maxey Ranch, ARDC Alexander Ranc, TRAM Private Proper, etc.

WEL 17 01:52:59.0±0.6, 44.52±1.72E, h5km±4km, M4.2/7, ML4.5/9, MLV4.2/7, Error ellipse: s-maj=0.0km s-min=0.0km az=176.3, confirmed

NOU 17 01:52:58.2±43.65S, 172.47E, h9km, ML4.4/3/13, South Island, New Zealand

WEL 17 01:52:58.7±43.59S, 172.41E, h9km, ML4.2, Mw3.8, Moment Tensor Solution. s5 Moment tensor: Mr=4.30, Mw=5.51, Mw=5.81, Mw=1.81, Mw=28.36, Mw=4.61; Fault plane solution: NP1=148.00000°, 687.00000°, 1-2.00000°, NP2=238.00000°, 688.00000°, 1-177.00000°. Principal axes: P 62.12000°, Plg1 0.00000°, Az=13.00000°, Az=67.74000°, Plg6=1200.00000°, Az=71.00000°, P 4.63000°, Plg4 0.00000°, Az=103.00000°, SCUT1 ISLAND

ISC 17 01:52:59.0±0.8, 43.60S, 0.03-172.41E, 0.02, h14km±6km, n107, s1907/122, South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ROLC Rolleston Scho, GOVS Living Springs, HUNS Huntsbury, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PREZ Palmer Road, NBEZ Newall Road No, KHEZ Kahui Hut, etc.

NEIC 17 01:53:43.9±1.3, 23.0S, 0.1x177.8W, 0.1, h280km±7km, mb4.5/59, Error ellipse: s-maj=17.1km s-min=14.5km az=148.0

IDC 17 01:53:52.3±1.7, 22.78S, 178.29W, h349km, 16km, mb3.8/17, mb19.6/5.18, Error ellipse: s-maj=12.8km s-min=11.0km az=143.0

ISC 17 01:53:46.2±0.3, 23.09S, 0.07-178.06W, 0.07, h300km, n185, s125/187, mb4.5/53, 36C-10D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, NBEZ Newall Road No, KHEZ Kahui Hut, etc.

17d 2h

Table with columns: Code, Station Name, Az, El, Op, Phase, I, Time, Res, h, m, s, ISC. Includes stations like QSM Queen of Sheba, 113A Michael Valley, NVAR Mina Array Bea, etc.

2017 NOV

Table with columns: Code, Station Name, Az, El, Op, Phase, I, Time, Res, h, m, s, ISC. Includes stations like CRVS Cervenica-Dubn, NIE Niedzica, TRP Tarpa, etc.

TIF 17 01:59:09.8, 40:03N:47:31E, h31km, 2km
TEH 17 01:59:11.3, 40:10N:47:09E, h10km, 342km, ML2.7
DRS 17 01:59:15.8, 39:49N:47:48E, h35km, 15km,
ISC 17 01:59:12.6, 1.8, 40:12N:0:03:47:19E:0:04, h9km, 15km,

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

IDC 17 02:01:42.6, 4.2, 36:06N:70:52E, h0km, mb3.9/4,
mbmp3.8/1, ML3.8/3, Error ellipse: s-maj=100.2km
s-min=32.3km az=157.0
ISC 17 02:01:52.7, 2.2, 37:20N:0:26:38E:0.1, h10km, n10,
e174/114, mb4.0/3, 2C-3D, Hindu Kush region

Table with columns: Code, Station Name, Az, El, Op, Phase, I, Time, Res, h, m, s, ISC. Includes stations like AML Almayusha, AML Almayusha, AML Almayusha, etc.

1194

Table with columns: Code, Station Name, Az, El, Op, Phase, I, Time, Res, h, m, s, ISC. Includes stations like AAK baz=305,slow=15, AAK 0.2mm,0.3s,slow=291,slow=21,SNR=1.1, etc.

IDC 17 02:16:47.9, 0.8, 32:15S:72:03W, h0km, mb3.8/5,
mbmp3.8/1, ML3.8/6, MS3.3/9, Error ellipse:
s-maj=25.5km s-min=18.8km az=112.0
SJA 17 02:16:47.8, 1.2, 32:19S:72:27W, h26km, 4km, ML4.3,
MV4.2

IGC 17 02:16:51.4, 0.7, 32:12S:71:83W, h35km, 2km, ML4.3
SJC 17 02:16:48.7, 1.2, 32:10S:0:02:17.8E:0.04, h5km, 8km,
n8, h18/30.11, mb3.9/7, MS3.3/7, 14C-2D, Near coast of
central Chile

Table with columns: Code, Station Name, Az, El, Op, Phase, I, Time, Res, h, m, s, ISC. Includes stations like VA01 Torpederas, VA01 Torpederas, VA01 Torpederas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for CO02 Combarbal, MT02 Curacav, VA05 Santo Domingo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for AC04 Llanos de Chal, AVFE Valle Fertil, H03N1 Juan Fernandez, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for EKA Eskdalemuir Ar, GERES Geres Array B, KRSC 17 02:50:03.0, etc.

17d 3h

Table with columns: Station Name, Code, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CDC Canada Road, SLD San Luis Dam, BPRM Ponciano Ridge, etc.

17d 03:33:13.6... 20.995... 168.96E... 0.005, h25km, m173, c180/143, mb4.8/44, MS4.0/48, 6C-14D, Loyalty Islands

2017 NOV

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MARNC Mare, Loyalty, LIFNC LIFOU, etc.

1196

Table with columns: Station Name, Code, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NJ2, USRK, USRK, etc.

Table with columns: Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HFS Hagfors, BRTR Keskin Array B, BRTR Malin Array Be, AKASG Malin Array Be, AKASG Eskdalemuir Arr, EKA Eskdalemuir Arr, TORO Torodi Arr, Beas.

17D 04:02:26.0-6.5, 30.955S-178.39W, h0km, mb3.6/2, mbtmp3.6/2, Error ellipse: s-maj=262.2km s-min=58.9km az=156.0, Kermadec Islands

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

DJA 17 04:02:21.7-0.2, 8.533N, 107.7E, h114km, 2km, M4, 9/31, mb4.9/31, mb5.4/19, MLv5.0/24, Mw4.4/64, Mw(B)M4.9/19, IDC 17 04:02:22.5-0.8, 7.235S, 107.25E, h120km, 5km, mb3.9/16, mbtmp4.3/16, Error ellipse: s-maj=25.6km s-min=10.1km az=56.0

NEIC 17 04:02:22.5-1.3, 7.555S, 0.06E, 107.28E, 0.03, h111km, 6km, mb4.4/21, Error ellipse: s-maj=9.7km s-min=1.5km az=150.0

ISC 17 04:02:20.9-0.4, 7.525S, 0.06E, 107.25E, 0.05, h100km, n137, z=200/131, mb4.3/30, Jawa

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including CNJI, BBJJ, LEM, CMJI, GRJI, MNAI, GMJI, BLJI, JAGI, ABJI, DSRI, SRBI, IGBI, PPSI, PDSI, KSM, TWSI, PLAI, SBIU, PPSI, KAPI, BKSI, GSI, GSI, TTSI, BASI, EDFI, MPPI, MMRI, TOLII, BATI, GIRL, MRSI, MYLDM, SOEI, GTOI, MBWA, PSAO, SANI, NLAI, TNTI, KNR, BNDI, MTN, KAKA, HWT3, HWT1.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including H01W2, WBO, WRA, WRA, WRA, WRAB, WRAB, ASAR, OOD, MULG, TABU, PZH, PZH, PZH, H08S2, H08S3, H08S1, COEN, COEN, COEN, BBBO, BBBO, HTT, STKA, STKA, STKA, ARPS, EIDS, EIDS, ARMA, BJT, BJT, HHC, HHC, HHC, HHC, WMQ, SONM, SONM, MK31, MKAR, MKAR, H04S1, H04S3, H04S2, KURB, ZALV, GEYT, GEYT, RPZ, BVAR, ABKAR, AKTO, Vnda, Vnda, GURO, GURO, AKH, KBZ, BRTR, BRTR, QSPA, SNA, NVAR, PDAR, PDAR, SCHO, TXAR, TXAR, TKL, LPAZ, IDC 17 04:06:13.4-2.2, 1.175S-129.73E, h0km, mb3.8/3, s-maj=162.3km s-min=23.1km az=70.0, Halmahera, WRA, WRA, ASAR, JOW, MKAR, KURB.

NEIC 17 04:08:49.1-2.6, 15.777N, 0.079E, 10W, 0.04, h3km, 6km, mb4.1/31, M04.5/73(MEX), Error ellipse: s-maj=11.0km s-min=5.5km az=187.0

MEX 17 04:08:51.6-0.4, 15.888N, 95.10W, h14km, 6km, M04.5, IDC 17 04:08:52.0-4.3, 16.022N, 94.77E, h58km, 28km, mb3.5/3, mbtmp3.7/4, ML3.6/1, MS4.0/1, Error ellipse: s-maj=41.9km s-min=21.3km az=9.0

ISC 17 04:08:49.2-1.0, 15.855N, 0.04E, 95.08W, 0.03, h46km, 12km, n104, z=263/161, mb4.1/5, Near coast of Oaxaca

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including NILT, HUIG, HUIG, CARR, CARR, CMIG, CMIG, CMIG, UXUV, UXUV, PCIG, PCIG, PCIG, OXLC, OXLC, NEUV, NEUV, PEIG, PEIG, PEIG, Oaxaca, Oaxaca, VHO, VHO, TGIG, TGIG, TGIG, TUIG, TUIG, YOSU, YOSU, YOSU, PMUV, PMUV, PATR, PATR, CCIG, CCIG, CCIG, THIG, THIG, THIG, PAVE, PAVE, TXIG, TXIG, CHLU, CHLU, PNIG, PNIG, PNIG, HLIG, HLIG, HLIG, TPIG, TPIG, TPIG, HUEH, HUEH, RTAL, RTAL, FTIG, FTIG, FTIG, TLIG, TLIG, TLIG, JAUV, JAUV, DAIG, DAIG, DAIG, PPM, PPM, PPM, MEIG, MEIG, MEIG, SCIG, SCIG, SCIG, YAU, YAU, YAU, CXUV, CXUV, CXUV, PLIG, PLIG, PLIG, PETF, PETF, CAIG, CAIG, CAIG, ARIG, ARIG, ARIG, MTO3, MTO3, ZIIG, ZIIG, ZIIG, TEIG, TEIG, TEIG, TEIG, MMIG, MMIG, MMIG, MMIG, HPT, HPT, HPT, JCT, JCT, TXAR, BRDY, BRDY, OZNA, OZNA, OZNA, WHTX, WHTX, WHTX.

17d 5h

Table with columns for station name, frequency, power, and other technical details. Includes stations like PSI Prapat, BBOO Buckleboob, GSI Gunungsitoli, NWAO Narrogin (SRO), etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like GUN Gumba, KLR Kul'dur, DMN Daman, GKN Gorkha, HEH Heihei, etc.

1200

Table with columns for station name, frequency, power, and other technical details. Includes stations like ABPO Ambohimpnom, ARU Arti, ARU Aru, ARU Aru, etc.

J25K	Salcha River	90.55	25	P	P	05 27 34.2	-1.2
J25K	Salcha River	90.55	25	P	P	05 27 34.9	-0.5
N25K	Chitina, Valde	90.66	29	P	P	05 27 37.5	+1.6
F25K	Christian River	90.70	22	P	P	05 27 37.6	+1.6
E25K	Arctic Village	90.78	22	P	P	05 27 37.6	+1.3
J26K	Joseph Creek	91.32	26	P	P	05 27 39.5	+0.6
G26K	Porcupine River	91.38	23	P	P	05 27 40.5	+1.5
KMBO	Kilima Mbogo	91.53	269	P	IAmb	05 27 41.8	+0.5
KMBO	Kilima Mbogo	91.53	269	P	I p	05 27 41.9	+0.7
KMBO	Kilima Mbogo	91.53	269	P	P	05 27 42.7	+1.5
KMBO	Chicken	91.95	26	P	LR	06 04 32.7	
K27K	Chicken	91.95	26	P	IAmb	05 27 42.2	+0.4
K27K	Chicken	91.95	26	P	IAmb	05 27 42.3	+0.6
M27K	Edge Creek, AK	91.98	28	P	P	05 27 43.2	+1.1
L27K	Beaver Creek	92.03	27	P	P	05 27 43.6	+1.4
BCAR	Beaver Creek A	92.05	27	P	P	05 27 42.8	+0.5
I27K	Kandik River	92.19	25	P	P	05 27 44.0	+1.1
CTG	Chitna Glacier	92.20	29	P	P	05 27 44.7	+1.6
G27K	Doyon Strip	92.21	23	P	P	05 27 44.2	+1.3
H27K	Steamboat Mount	92.25	24	P	P	05 27 44.5	+1.4
E27K	Coleen River	92.27	22	P	P	05 27 44.0	+0.9
EGAK	Eagle	92.37	25	P	P	05 27 44.3	+0.7
BVCY	Beaver Creek	92.46	28	P	P	05 27 45.7	+1.5
YUK3	Moose Creek	92.64	28	P	P	05 27 46.6	+1.3
I28M	Mirner Creek	92.89	25	P	P	05 27 47.4	+1.2
F28M	Old Crow	92.91	23	P	P	05 27 46.9	+0.8
YUK8	Steele Glacier	92.97	29	P	P	05 27 48.2	+1.3
E28M	Babbage River	93.03	22	P	P	05 27 47.3	+0.6
DAWY	Dawson	93.13	26	P	P	05 27 48.2	+0.9
OBN	Obninsk	93.45	325f	eP	P	05 27 49.4	+0.6
OBN	Obninsk	93.45	325f	eP	P	05 27 49.4	+0.6
H29M	Whitestone	93.53	24	P	P	05 27 49.5	+0.5
M29M	Somme Creek	93.57	28	P	P	05 27 51.4	+1.9
I29M	Ogville Camp	93.58	25	P	P	05 27 50.0	+0.8
E29M	Blow River	93.64	22	P	P	05 27 50.3	+0.9
G29M	Pine Creek	93.64	23	P	P	05 27 49.5	-0.1
G29M	Pine Creek	93.64	23	P	P	05 27 50.3	+0.8
L29M	L29M	93.71	27	P	P	05 27 51.9	+2.0
K29M	Barlow Dome	93.96	26	P	P	05 27 51.9	+0.7
K29M	Barlow Dome	93.96	26	P	IAmb	05 27 53.4	
K29M	Barlow Dome	93.96	26	P	P	05 27 52.3	+1.1
EPYK	Eagle Plains	94.19	24	P	P	05 27 52.4	+0.3
N30M	Aishik Lake	94.25	29	P	P	05 27 53.7	+1.2
MMAI	Mount Meron Ar	94.31	303	LR	LR	06 17 58.9	
M30M	Minto, Yukon	94.34	28	P	P	05 27 53.6	+0.7
G30M	Aoah Zraii Nji	94.35	23	P	P	05 27 53.3	+0.5
I30M	Mount Dempster	94.39	25	P	P	05 27 53.7	+0.6
J30M	Hart River	94.45	26	P	P	05 27 54.5	+1.1
F30M	Barrier River	94.48	22	P	P	05 27 53.9	+0.5
EIL	Elat	94.67	299	LR	LR	06 17 04.2	
G31M	Satah River	95.12	23	P	P	05 27 56.4	+0.1
INK	Inuvik	95.27	22	P	P	05 27 57.5	+0.6
INK	Inuvik	95.27	22	LR	LR	06 08 40.9	
F31M	Tsiigehtich	95.28	23	P	P	05 27 57.3	+0.4
WHY	Whitehorse	95.37	29	P	P	05 27 56.6	-1.1
WHY	Whitehorse	95.37	29	P	IAmb	05 28 00.4	
BR13B	Keeskin Array S	95.68	309f	eP	P	05 27 59.5	-0.1
BRTR	Keeskin Array B	95.68	309	f	P	05 27 59.5	-0.1
BRTR	Keeskin Array B	95.68	309	P	P	05 27 59.1	-0.6
BRTR	Keeskin Array B	95.68	309	P	LR	06 18 02.1	
FARO	Faro, Yukon	95.77	28	P	P	05 28 01.3	+1.0
ARCES	ARCES Array B	97.11	340	LR	LR	06 17 00.5	
MBAR	Mbarara	98.06	269	LR	LR	06 10 57.9	
C36M	Paulatuk	98.45	20	P	P	05 28 11.0	-0.2
LSZ	Lusaka	99.57	254	LR	LR	06 08 30.8	
SNA	Sanae	99.60	194f	eP	P	05 28 18.3	+1.8
SNA	Sanae	99.60	194	P	P	05 28 17.6	+1.1
PDAR	Pinedale Array	114.61	44	PKK	PKK	05 43 51.9	-1.9
ANMO	Albuquerque	119.56	51	P	PKIKP	05 33 25.7	+1.7
MNTX	Cornus Mount	121.45	54	P	PKIKP	05 33 29.1	+1.5
ESDC	Sonsecqa Array	123.57	317	PKP	PKP	05 33 30.4	-0.9
TXAR	Lajitas Array	123.59	56	PKP	PKP	05 33 32.2	+0.5
TXAR	Lajitas Array	123.59	56	PKP	PKP	05 43 20.3	+0.5
JCT	Junction City	126.36	54	P	PKIKP	05 33 38.0	+0.6
SCHO	Schefferville	126.42	11	PKP	PKP	05 33 36.9	+0.7
TORD	Tordi Ar. Beaa	126.72	284	PKP	PKP	05 33 37.8	-0.1
CCM	Cathedral Cave	129.15	41	P	PKP	05 33 42.7	+0.7
MIAR	Mount Ida	129.39	46	P	PKIKP	05 33 44.6	+1.4
DBIC	Dimbokro	133.69	277	PKP	PKP	05 33 50.3	-0.9
CPUB	Villa Florida	150.59	169	PKP	PKP	05 34 26.8	+0.7
LPZA	La Paz	154.80	139	PKP	PKP	05 34 36.7	+0.2

IDC 17 05:23:57.3-1.8, 6.48S, 130.26E, h0km, mb3.7/2, mbmt4p.0.5, ML4.4, Error ellipse: s-maj=55.8km s-min=28.8km az=79.0, Banda Sea

Code	Station Name	Δ°	AZ°	Phase	IDC	Time Res	ISC
						h m s	ISC
BATI	Baumata	7.51	240	Pn	Pn	05 25 47.9	-0.3
BATI	Baumata	7.51	240	Pn	Pn	05 27 01.2	-1.3
WRA	Warramunga Arr	13.96	164	Pn	Pn	05 27 16.7	+0.2
WRA	Warramunga Arr	13.96	164	Pn	Pn	05 29 40.4	-1.2
ASAR	Allice Springs	17.44	169	Pn	Pn	05 28 02.4	+0.1
ASAR	Allice Springs	17.44	169	Pn	Pn	05 31 07.0	-1.0
MKAR	Makanchi Array	67.94	327	P	P	05 34 59.1	+1.0
KURBB	Kurchatov Arr	72.21	398	P	P	05 35 23.1	-1.1

NOU 17 05:25:43.5, 30°28'S: 175°85'W, h32km, mb5.3/29, Kermadec Islands Region
Bul 17 05:25:51.9, 0.0, 30°46'S: 177°87'W, h12km, mb5.2/16, 0.85, 712

MOS 17 05:25:54.0, 1.3, 30°40'S: 177°96'W, h22km, mb5.4/19, Error ellipse: s-maj=12.6km s-min=9.4km az=100.8
NEIC 17 05:25:54.1, 1.7, 30°39'S: 0.05: 177°9W, h10km, 1km, mb5.3/40, Error ellipse: s-maj=18.5km s-min=8.0km az=94.0

IDC 17 05:25:57.1, 2, 10.23S: 177.94W, h43km, 10km, mb4.6/17, mbmt4p.9/17, MS4.1/40, Error ellipse: s-maj=13.8km s-min=10.1km az=88.0

GCMT 17 05:25:59.1, 0.3, 30°40'S: 0.02: 177.77W: 0.02, h51km, 1km, MW4.9/71, Moment Tensor Solution, s48,c53; s71,c97; Duration: 0 Moment tensor: Scale 1016Nm; Mw=6.7; Mw-0.20±0.12; Ms=2.0±0.14; Ms-0.78±0.07; Ms-1.12±0.10; Ms-1.05±0.07; Best double couple: M2, 88100±1012; NP1±0.196, 0.0000°, 858, 0.0000°, 1.04, 0.0000°. NP2±0.352, 0.0000°, 835, 0.0000°, 1.70, 0.0000°. Principal axes: T 3.0460, Plg73.0000°, Azm142.0000°; N -0.3350, Plg11.0000°, Azm9.0000°; P -2.7160, Plg12.0000°, Azm277.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 17 05:25:58.0, 0.3, 30°37'S: 0.04: 177.83W: 0.06, h46km, n365, e207/352, mb5.2/54, MS4.2/39, 12C-27D, Kermadec Islands

Code	Station Name	Δ°	AZ°	Phase	IDC	Time Res	ISC
						h m s	ISC
GLKZ	Green Lake	1.11	356	P	Pn	05 26 15.5	-1.6
GLKZ	Green Lake	1.11	356	P	Pn	05 26 27.6	-3.5
RAO	Raoul Island	1.12	356	P	Pn	05 26 15.4	-1.9
RAO	Raoul Island	1.12	356	P	Pn	05 26 29.7	-2.4
RAO	Raoul Island	1.12	356	P	Pn	05 26 15.8	-1.4
RAO	Raoul Island	1.12	356	P	Pn	05 26 15.4	-1.9
RAO	Raoul Island	1.12	356	P	Pn	05 26 29.1	-1.1
RAO	Raoul Island	1.12	356	P	Pn	05 26 15.1	-2.2
RAO	Raoul Island	1.12	356	P	Pn	05 26 27.8	-3.6
MXZ	Matafua Point	7.86	203	Pn	Pn	05 27 45.8	-3.9
HAZ	Te Kaha	8.22	205	Pn	Pn	05 27 51.4	-3.2
PKGZ	Kaikhira	8.23	203	Pn	Pn	05 27 51.1	-3.8
PKGZ	Kaikhira	8.23	203	Pn	Pn	05 27 56.9	+0.8
PUZ	Puketiti	8.34	202	Pn	Pn	05 27 51.6	-4.7
PKGZ	Kaikhira	8.34	203	Pn	Pn	05 27 53.7	-4.1
TWZ	Tauwharepare	8.53	203	Pn	Pn	05 27 55.9	-3.0
WCZ	Waipu Caves	8.60	228	Pn	Pn	05 28 06.1	+6.3
OUZ	Omahuta	8.69	234	Pn	Pn	05 28 07.0	+5.9
OUZ	Omahuta	8.69	234	Pn	Pn	05 28 07.2	+6.1
CNGZ	Cornah Station	8.73	201	Pn	Pn	05 27 58.3	-3.3
OUZ	Omahuta	8.81	206	Pn	Pn	05 28 05.5	-2.1
MWZ	Matawai	8.82	205	Pn	Pn	05 27 58.6	-4.4
URZ	Urewera	8.91	207	Pn	Pn	05 27 59.7	-4.4
URZ	Urewera	8.91	207	Pn	Pn	05 29 39.9	-3.2
URZ	Urewera	8.91	207	Pn	Pn	05 27 59.9	-4.2
RAGZ	Rawiri	9.01	205	Pn	Pn	05 28 02.1	-3.5
RIGZ	Rimuahu	9.08	202	Pn	Pn	05 28 01.8	-4.6
PRGZ	Paritu Road	9.23	201	Pn	Pn	05 28 03.4	-5.2
RTZ	Ruatapu	9.27	206	Pn	Pn	05 28 02.8	-4.2
SNZG	Shannon Station	9.29	204	Pn	Pn	05 28 05.5	-3.8
MHGZ	Mahia Peninsula	9.44	201	Pn	Pn	05 28 06.1	-5.2
RAHZ	Arahi	9.50	205	Pn	Pn	05 28 08.2	-3.9
NMHZ	Naumai	9.76	205	Pn	Pn	05 28 11.1	-4.7
ARHZ	Arcoona Island	9.84	204	Pn	Pn	05 28 12.3	-4.5
IKZ	Ikaia Stump Fm	9.94	206	Pn	Pn	05 28 13.7	-4.5
MCHZ	Moronui Hill	10.11	205	Pn	Pn	05 28 16.9	-3.5
HIZ	Hauti	10.12	215	Pn	Pn	05 28 18.8	-1.9
HIZ	Hauti	10.12	215	Pn	Pn	05 28 23.8	+3.1
KWVZ	Kaweka Forest	10.19	206	Pn	Pn	05 28 18.0	-3.7
NITVZ	North Tongariri	10.21	210	Pn	Pn	05 28 19.2	-2.5
TMVZ	Te Maari	10.25	209	Pn	Pn	05 28 20.1	-2.0
ETVZ	East Tongariri	10.23	210	Pn	Pn	05 28 19.2	-3.1
WTVZ	West Tongariri	10.27	210	Pn	Pn	05 28 22.6	-0.2
OTVZ	Oturere	10.27	210	Pn	Pn	05 28 18.5	-4.4
SNVZ	South Ngauruho	10.30	210	Pn			

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Winter Ranch, OKLAHOMA CITY, and various other locations.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BATA, WRA, and ASAR.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NEIC, TUL, KAN13, and various other locations.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like IDC, NOU, and various other locations.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NNC, ISC, and various other locations.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like IDC, RSNC, and various other locations.

Table with columns: WRA, Warramunga Arr, 32.00 266 P, P, 09 59 03.7 -1.4, etc. Includes stations like Alice Springs, Alice Springs, Alice Springs, etc.

17d 09:58:10.4±3.4, 13°22'S; 166°93'E, h269km, 32km, mb3.5/10, mbtmp4.1/11, Error ellipse: s-maj=19.4km s-min=17.8km az=125.0

17d 09:58:08.1±0.7, 13.2S±0.1; 167.0E±0.1, h250km, n14, g0552/17, mb3.9/10, Vanuatu Islands

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

Table with columns: GSPA, South Pole Qui, 76.84 180 P, P, 10 09 32.1 -0.2, etc. Includes stations like MAW, ILAR, MKAR, ZALV, etc.

KOLA 17 10:38:11.4, 67°68N, 34°19E, h0km, ML2.5, Khibiny, mines Koashva, Nyurpkakh

HEL 17 10:38:11.6±0.2, 67.70N, 34°18E, h0km, ML2.3, Suspected explosion, Baltic States-Belarus-Northwestern Russia

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

HEL 17 10:38:23.6±0.2, 64°11N, 28°07E, h0km, ML1.2, Explosion, Finland

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

DJA 17 10:52:00.2±0.4, 0°5'S; 12°3'E, h68km±17km, M4.0/12, mb4.2/5, MLv3.9/12, Minahassa Peninsula, Sulawesi

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

Table with columns: WRA, Warramunga Arr, 45.06 257 P, P, 11 18 30.6 -0.3, etc. Includes stations like ASAR, ILAR, etc.

IDC 17 11:21:28.0±3.9, 63°41'S, 150°60'E, h0km, mb3.6/2, mbtmp3.7/3, ML3.9/1, Error ellipse: s-maj=252.9km s-min=28.3km az=81.0, Balleys Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Vnda, H01W1, etc.

GEN 17 12:07:47.9, 45°44N, 6°37E, h6km, 3km, M2.9, STR 17 12:07:48.5±0.2, 45°14N, 1°±, h10km, 2km, MLv3.2/49, Error ellipse: s-maj=0.0km s-min=0.0km az=73.3, preliminary

LDG 17 12:07:48.8±0.0, 45°43N, 6°34E, h2km, M3.5/34, Error ellipse: s-maj=0.8km s-min=0.7km az=64.0

ROM 17 12:07:49.5±0.3, 45°42N, 0°00'6.43E, 0°02.102, h10km, ML2.8/48, Error ellipse: s-maj=1.9km s-min=1.0km az=78.0

PRU 17 12:07:50.2, 45°42N, 6°51E, h1km, ISC 17 12:07:47.7±0.9, 45°44N, 0°01'6.31E, 0°01.1, h14km±7km, n193, r124/27, 1C-10, France

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

LSD 17 12:07:50.2, 45°42N, 6°51E, h1km, ISC 17 12:07:47.7±0.9, 45°44N, 0°01'6.31E, 0°01.1, h14km±7km, n193, r124/27, 1C-10, France

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

REMY 17 12:07:50.2, 45°42N, 6°51E, h1km, ISC 17 12:07:47.7±0.9, 45°44N, 0°01'6.31E, 0°01.1, h14km±7km, n193, r124/27, 1C-10, France

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

Table with columns for station name, frequency, and signal strength. Includes stations like OG35 Corcelles, CIRO Champorcher, and various other locations.

Table with columns for station name, frequency, and signal strength. Includes stations like BURY Giardini Botan, BURY Artigues, and various other locations.

Table with columns for station name, frequency, and signal strength. Includes stations like BRSN Saint Martin d, GIVF Givet, and various other locations.

17d 12h

Table with columns for station name, frequency, power, and signal quality. Includes stations like BNI, GRN, OGS, LSD, MRGE, RRL, ORIF, REMY, RSP, VARE, etc.

2017 NOV

Table with columns for station name, frequency, power, and signal quality. Includes stations like SATI, YANNI, CABB, MONC, SSB, EMBD, VIVF, etc.

1208

Table with columns for station name, frequency, power, and signal quality. Includes stations like RNCA, BALST, SMF, LMR, LBL, LASF, GORR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like PGF Pioggia, MTLF Montoleu, RETA Reutte, etc.

17C 17:12:18-19:40:9, 20:20:27Sx173:89W, h116km, 42km, mb3.3/7, mbtmp3.7/9, MS3.0/2, Error ellipse: s-maj=30.2km s-min=21.9km az=117.0

ISC 17:12:18-19:40:9, 20:20:27Sx173:89W, h116km, n10, 4076/10, mb3.6/7, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like MSVF Nonsavu, URZ Urewera, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like NVAR Mina Array Bea, PDAR Pinedale Array, ILAR Eielson Array, etc.

IDC 17:12:24:03.0:1.1, 34:51N:45:75E, h0km, mb3.9/13, mbtmp3.9/16, ML3.7/4, MS3.0/2, Error ellipse: s-maj=26.7km s-min=13.4km az=155.0

TEH 17:12:24:05.1, 34:51N:45:79E, h11km, 13km, ML3.9

OMAN 17:12:24:13.6:1.4, 33:38N:46:50E, h10km, mb4.1/17, ms2.6/2, Error ellipse: s-maj=21.9km s-min=12.4km az=27.0

ISC 17:12:24:03:5.0, 34:33N:0:04:45:75E:0:03, h10km, n70, c346/94, mb3.9/12, Iran-Iraq border region

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like KGS1 Ghasr-e-Shirin, IDHR Dehrash, IGHG Galeghazi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like ASAJ Asahikawa, ILAR Eielson Array, QSPA South Pole Qui, etc.

ANF 17:12:48:00.3:1.1, 57:93N:142:43W, h0km, ML3.4/10, Error ellipse: s-maj=13.2km s-min=4.6km az=1.0

NEIC 17:12:48:04.9:1.6, 58:19N:0:06:142:48W:0:09, h10km, 2km, ML3.0/80, ML2.8(AEIC), ML3.1(TOT), Error ellipse: s-maj=11.0km s-min=6.2km az=191.0

PGC 17:12:48:05.7:2.4, 53:21N:142:41W, h10km, ML2.8, ML3.1/118, 206km Wsw of Yakutat, Ak Gulf Of Alaska

AEIC 17:12:48:08.7:1.3, 58:15N:0:05:142:50W:0:10, h10km, 7km, Error ellipse: s-maj=9.0km s-min=5.2km az=47.0

ISC 17:12:48:02:6:1.3, 59:09N:0:06:142:44W:0:04, h10km, n178, c1975/200, Gulf of Alaska

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like CYK Cape Yakataga, YK2U Yakutat, BGLC Bering Glacier, etc.

17d 13h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MCARA, FID, GLB, YUK6, etc.

2017 NOV

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like J30M, BPWU, I30M, etc.

1210

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ZARC, NORC, CHIC, etc.

1211

Table with columns: VVDA, comp, Vanda, QSPA, ILAR, and various station details like station name, frequency, and coordinates.

Station details and coordinates for stations in the Caucasus region, including codes, station names, and frequencies.

Main table for station 1211, listing station codes, names, frequencies, and other technical details.

2017 NOV

Main table for station 2017 NOV, listing station codes, names, frequencies, and other technical details.

17d 13h

Main table for station 17d 13h, listing station codes, names, frequencies, and other technical details.

17d 13h

Table with columns for station name, frequency, power, and other technical details. Includes stations like IPAY, IKRD, IMOG, BR131, etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like AML, AML, EKSE, JMDA, etc.

1212

Table with columns for station name, frequency, power, and other technical details. Includes stations like DAVOX, ZAAO, ZALV, HFS, etc.

IDC 17:13:39.20.5:2.0, 8:39S; 124:71E, h0km, mb3.5/1, mbmp3.6/4, ML3.7/3, Error ellipse: s-maj=52.0km s-min=29.9km az=77.0

Table with columns for Code, Station Name, Az, Phase, D, Time, Res, h, m, s, ISC. Includes stations like SOEI, SOEI, SOEI, etc.

17d 13h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like BIM Bigot, MPMOM Morne Pois Mar, AC01 Pan de Azucar, etc.

2017 NOV

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like 833A Chaparral WMA, 833A Chaparral WMA, Z51A Franklin, etc.

1214

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like PET01 Itanhaem-SP, PLTB Pedras Altas, PLTB Pedras Altas, etc.

17d 13h

Table with columns: HLID, Name, Az, El, AzEl, P, R, AzEl, P, R. Includes entries like Hailey, Bozeman (W), Camas Ranch, Eagleton, Wild Horse Val, etc.

2017 NOV

Table with columns: PBDV, Name, Az, El, AzEl, P, R, AzEl, P, R. Includes entries like Barranco-do-Verde, Castro Verde, Outpost Mounta, etc.

1216

Table with columns: EGAK, Name, Az, El, AzEl, P, R, AzEl, P, R. Includes entries like Eagle, Chitina, Valde, Log Cabin Wild, etc.

2017 NOV												17d 13h													
F24K	Squaw Lake	83.91	339	P	P	13 53 01.6	+0.7	A22K	Sinclair Lake	87.40	342	P	P	13 53 18.9	+0.9	FETA	Feichten	92.19	43	eP	P	13 53 41.6	+0.4		
H23K	Yukon River	83.93	337	P	P	13 53 01.3	+0.3	F19K	Shalercukik Mo	87.40	337	P	P	13 53 18.9	+0.9	FETA	comp=Z,9.3nm,0.9s		eP	pP		13 54 02.0	+0.2		
BP4W	Bear Paw Mtn.	83.95	335	P	IAMB	13 53 01.0	-0.1	SMF	Signal de Mont	87.45	43	eP	pmax	13 53 18.0	-0.8	RETA	comp=Z,14nm,0.1s	92.23	43	eP	P	13 53 41.4	+0.2		
BP4W	comp=Z,29nm,0.8s	83.95	335	P	P	13 53 01.5	+0.4	LOR	Lormes	87.53	43	eP	pmax	13 53 18.2	-1.0	RETA	comp=Z,6.3nm,0.9s		eP	pP		13 54 02.8	+1.0		
D25K	Kavik River	84.08	341	P	P	13 53 02.2	+0.5	G18K	Tagagawik	87.56	336	P	P	13 53 19.7	+0.8	MOTA	Moosalm	92.46	43	iP	P	13 53 42.3	-0.1		
PPLA	Purkeypile	84.10	334	P	P	13 53 02.0	0.0	O14K	Tiguykaiuvit M	87.59	329	P	P	13 53 19.9	+0.7	MOTA	comp=Z,7.3nm,0.8s		eP	pP		13 54 03.7	+0.7		
MLY	Manley	84.14	336	P	P	13 53 02.1	0.0	QSPA	South Pole Qui	87.68	180	P	P	13 53 20.7	+1.1	SBA	Scott Base	92.48	191	P	P	13 53 43.2	+1.6		
CAST	Castle Rocks	84.21	335	P	P	13 53 02.5	0.0	QSPA	comp=Z,124nm,1.0s,baz=159,slow=1.3,SNR=333			14 27 20.6		SBA	Scott Base	92.48	191	P	pmax	pmax		13 53 43.2	+1.6		
M20K	Styx River	84.23	333	P	P	13 53 02.2	-0.5	B20K	Mesade River	87.87	340	P	P	13 53 21.5	+1.2	SQTA	Sankt Quirin	92.53	43	eP	P	13 53 43.2	+0.6		
Q18K	Katmai Hardscr	84.30	329	P	P	13 53 02.9	-0.2	D19K	Kuna River	87.88	339	P	P	13 53 21.6	+1.1	SQTA	comp=Z,6.0nm,0.6s		eP	pP		13 54 04.2	+1.0		
E24K	Your Creek	84.33	339	P	P	13 53 04.1	+1.2	D19K	Kuna River	87.88	339	P	P	13 53 21.5	+1.1	GRF	Grafenberg Arr	92.56	41	eP	P	13 53 43.4	+0.7		
G23K	Bananza Creek	84.41	338	P	P	13 53 04.7	+1.3	H17K	Granite Mounta	87.90	335	P	P	13 53 21.7	+1.2	GRF	comp=Z,1.4nm,0.7s		eP	pP		13 53 42.8	-0.4		
CHUM	Lake Minchumin	84.44	335	P	P	13 53 03.9	+0.3	N14K	Kuskokwak Cree	87.91	330	P	P	13 53 21.7	+1.1	NOA	NORSAR Array B	92.64	29	P	P	13 54 02.9	+0.1		
EKA	Esksdalemir Ar	84.47	34	P	P	13 53 03.6	-0.2	J16K	Amvik River	87.92	333	P	P	13 53 22.2	+1.5	NOA	comp=Z,2.9nm,0.9s,baz=269,slow=4.4,SNR=4.9		LR	LR		14 34 46.6			
EKA	comp=Z,14nm,0.9s,baz=261,slo=4.2,SNR=16					13 53 24.0	-0.2	M14K	Bethel	88.16	331	P	P	13 53 22.6	+0.8	WTTA	Wattenberg	92.82	43	iP	P	13 53 44.6	+0.5		
EPF	Esparros	84.53	47	eP	pmax	13 53 04.4	-0.1	DOU	Dourbes	88.31	40	dP	p	13 53 22.9	+0.1	WTTA	comp=Z,1.1nm,1.0s		iP	pP		13 54 05.6	+0.9		
GRR	Gorron	84.54	41	eP	pmax	13 53 03.8	-0.6	DOU	DOU	88.31	40	dP	p	13 53 29.6		GAMB	Gambell	92.91	334	P	P	13 53 45.3	+1.4		
COLD	Coldfoot	84.65	338	P	P	13 53 06.0	+1.5	DOU	DOU	88.31	40	dP	p	13 53 42.6	-0.7	NKC	Novy Kostel	93.36	40	eP	P	13 53 47.4	+1.1		
Q17K	Contact Creek	84.66	329	P	P	13 53 05.1	+0.3	DOU	DOU	88.31	40	dP	p	13 53 59.7		NKC	Novy Kostel	93.36	40	eP	pP	13 53 47.4	+1.1		
H22K	Ishlatina Cre	84.67	337	P	P	13 53 04.5	-0.2	NVL	N'azarevskaya	88.35	161	eP	pmax	13 53 20.6	-1.9	ABTA	Abtaltersbach	93.42	43	eP	P	13 54 07.3	0.0		
I21K	Tanana	84.69	336	P	P	13 53 04.3	-0.5	BMRD	Mareduos	88.44	40	dP	pP	13 53 23.9	+0.5	LESA	Lesarzewoalot	93.53	43	iP	P	13 53 47.7	+0.5		
E23K	Chandalar	84.72	339	P	P	13 53 05.7	+0.8	BMRD	BMRD	88.44	40	dP	pP	13 53 43.6	-0.3	VNDA	Vanda	93.57	191	P	IAMB	IAMB		13 53 47.6	+0.9
MF	Saint Martin d	84.72	43	eP	pmax	13 53 04.9	-0.5	G19K	Lookout Ridge	88.52	339	P	P	13 53 24.6	+1.2	VNDA	Vanda	93.57	191	P	P	13 53 48.1	+1.4		
LF	La Frestate	85.09	45	eP	pmax	13 53 06.7	-0.5	C19K	Lookout Ridge	88.52	339	P	P	13 53 25.0	+1.5	VNDA	comp=Z,14nm,0.9s		iP	pP		13 54 08.0	-0.4		
L19K	White Mountain	85.10	333	P	P	13 53 06.9	-0.1	L14K	Kuka Creek	88.59	331	P	P	13 53 25.0	+1.2	VNDA	comp=Z,9.6nm,0.8s,baz=130,slow=3.7,SNR=67		LR	LR		14 27 57.2			
Q16K	King Salmon	85.14	329	P	P	13 53 07.7	+0.6	E18K	Tukpahleark C	88.60	338	P	P	13 53 24.8	+1.0	SPITS	Spitsbergen Ar	93.62	12	LR	LR	14 34 12.4			
P17K	Kvichak River	85.15	330	P	P	13 53 07.3	+0.2	BGES	Gessves	88.65	40	dP	p	13 53 25.0	+0.6	WET	Wetzell	93.65	41	P	pmax	13 53 48.9	+1.2		
H21K	Melozitna River	85.16	337	P	P	13 53 06.5	-0.7	BGES	Baldwin Pennin	88.69	337	P	P	13 53 44.6	-0.3	WET	Wetzell	93.65	41	P	pmax	13 53 48.9	+1.2		
H18K	Kilae Creek	85.22	331	P	P	13 53 06.7	-0.9	F17K	Oris-en-Rattie	88.71	45	eP	pmax	13 53 25.2	+1.0	CLL	Collin	93.70	39	iP	P	13 53 48.0	+0.2		
J20K	Nowinta River	85.30	335	P	P	13 53 07.8	-0.1	ORIF	ORIF	88.71	45	eP	pmax	13 53 24.8	-0.1	CLL	comp=Z,9.2nm,2.3s		iP	pP		13 54 08.0	-0.4		
R16K	Pilot Point	85.38	328	P	P	13 53 08.5	+0.2	RCHB	Rochefort	88.72	40	dP	pP	13 53 24.8	+0.1	CLL	comp=Z,15nm,1.1s		iP	pP		13 54 08.0	-0.4		
D23K	Nanushuk River	85.39	340	P	P	13 53 09.2	+1.0	RCHB	Rochefort	88.72	40	dP	pP	13 53 44.9	-0.3	CLL	comp=Z,200nm,20.3s		L	L		14 28 00.0			
TROL	Troll, Antarti	85.41	162	iP	P	13 53 09.0	+0.5	BCLA	Clavier	88.79	40	dP	pP	13 53 24.1	-0.9	CLL	Colin	93.70	39	iP	pP	13 53 48.0	+0.2		
F22K	John River	85.47	338	P	P	13 53 09.0	+0.3	BCLA	Clavier	88.79	40	dP	pP	13 53 44.8	-0.8	CLL	comp=Z,9.4nm,0.8s		iP	pP		13 54 08.0	-0.4		
E22K	Anaktuvuk Pass	85.52	339	P	P	13 53 09.2	+0.2	H16K	Elim	88.83	335	P	P	13 53 26.5	+1.5	CLL	comp=Z,9.2nm,2.3s		iP	pP		13 53 48.0	+0.2		
O17K	Koiganek Bris	85.60	330	P	P	13 53 09.2	-0.2	BSTI	Sart Tilman	88.97	39	dP	pP	13 53 26.6	+0.7	CLL	comp=Z,1.0nm,0.7s		iP	pP		13 54 08.0	-0.4		
C23K	Ikilik River	85.65	341	P	P	13 53 10.1	+0.6	BSTI	BSTI	88.97	39	dP	pP	13 53 46.4	0.0	HFS	Hagfors	93.88	30	P	pmax	13 53 47.9	-0.5		
G21K	Allakaket	85.68	337	P	P	13 53 09.9	+0.2	G16K	Koyuk River	88.99	335	P	P	13 53 54.9	+0.4	HFS	comp=Z,2.0nm,0.7s,baz=270,slow=5.2,SNR=1.6		LR	LR		14 38 24.5			
RJF	Les Rejaudoux	85.68	44	eP	pmax	13 53 09.6	-0.6	CABF	La Chapelle	88.99	43	eP	pmax	13 53 26.8	-0.6	HSKC	Hora Svate Kat	93.98	40	eP	pP	13 54 09.9	+0.1		
N17K	Nushagak Hills	85.81	331	P	P	13 53 10.9	+0.4	E17K	Hothon Inlet	89.02	337	P	P	13 53 27.1	+1.4	KHC	Kasperke Hory	94.11	41	eP	pP	13 53 50.1	+0.3		
F21K	Alatna River	85.87	338	P	P	13 53 11.3	+0.7	C18K	Utukok River	89.02	339	P	P	13 53 26.8	+1.0	KHC	Kasperke Hory	94.11	41	eP	pP	13 53 50.1	+0.3		
J19K	Poorman	85.88	335	P	P	13 53 10.6	-0.1	J14K	Nanvaranak Lak	89.17	333	P	P	13 53 28.4	+1.9	KHC	Kasperke Hory	94.11	41	eP	pmax	13 53 50.5	+0.7		
MTFL	Montloue	85.93	46	eP	pmax	13 53 10.9	-0.6	BHOU	Houveznez	89.23	40	dP	pP	13 53 28.0	+0.8	BIOA	Bad Ischl, Aus	94.17	43	eP	P	13 53 50.4	+0.2		
H20K	Anotleneega Mo	85.95	336	P	P	13 53 11.0	0.0	BHOU	BHOU	89.23	40	dP	pP	13 53 47.7	0.0	GERES	GERESS Array B	94.19	41	P	P	13 53 50.2	0.0		
DAG	Danmarks Havn	85.97	12	P	pmax	13 53 10.5	-0.5	MEM	Membach	89.26	39	dP	pP	13 53 27.8	+0.5	GERES	comp=Z,0.9nm,0.8s,baz=284,slow=5.4,SNR=4.4		pP	pP		13 54 11.7	+0.8		
CAF	Calviac	86.02	45	eP	pmax	13 53 11.5	-0.4	WLF	Walferdange	89.28	40	IAMB	IAMB	13 53 27.8	+0.1	MYKA	Terra Mystica	94.19	44	P	P	13 53 50.5	+0.2		
D22K	Aiykyak River	86.05	340	P	P	13 53 12.5	+1.0	WLF	Walferdange	89.28	40	dP	p	13 53 28.0	+0.7	MYKA	comp=Z,6.0nm,0.7s		iP	pP		13 54 10.7	-0.2		
J18K	Innoko River	86.23	334	P	P	13 53 11.9	-0.7	WLF	Walferdange	89.28	40	dP	pP	13 53 34.8		BRG	Berggiesshubel	94.30	39	eP	P	13 53 52.5	+1.8		
JM1C	Jan Mayen	86.27	28	LR	LR	14 33 01.2		WLF	Walferdange	89.28	40	dP	pP	13 53 47.6	-0.2	BRG	BRG	94.30	39	eP	P	13 53 52.5	+1.8		
TCF	Toulx Ste Croi	86.29	44	eP	pmax	13 53 12.3	-0.9	WLF	Walferdange	89.28	40	dP	pP	13 53 27.4	+0.1	BRG	Berggiesshubel	94.30	39	eP	P	13 53 52.4	+1.8		
CLF	Chambon-Foret	86.55	42	P	IAMB	13 53 13.9	-0.5	BNI	Bardonecchia	89.29	45	P	P	13 53 27.4	+0.3	BRG	BRG	94.30	39	eP	P	13 54 20.7			
GCSA	Galena City Sc	86.59	335	P	P	13 53 13.8	-0.4	BNI	Bardonecchia	89.29	45	P	pmax	13 53 27.4	-0.3	BRG	BRG	94.30	39	eP	pmax	pmax		13 54 20.7	
H19K	Roundabout Mou	86.59	336	P	P	13 53 13.8	-0.4	MBDF	Montbardon	89.33	45	eP	pmax	13 53 28.2	+0.3	BRG	BRG	94.30	39	eP	pmax	pmax		13 54 20.7	
L17K	Donlin	86.63	333	P	P	13 53 15.2	+0.6	BTNL	Ternel	89.33	39	dP	pP	13 53 33.9		BRG	BRG	94.30	39	eP	pmax	pmax		13 54 20.7	
F20K	Avaraart Lake	86.67	338	P	P	13 53 15.0	+0.5	B18K	Kokolik River	89.34	339	P	P	13 53 47.8	-0.3	BRG	BRG	94.30	39	eP	pmax	pmax		13 54 20.7	
B22K	Teshkepuk Lake	86.72	341	P	P	13 53 15.4	+0.7	LPL	La Plagne	89.36	45	eP	pmax	13 53 28.8	+1.6	BRG	BRG	94.30	39	eP	pmax	pmax		13 54 20.7	
BGF	Bois d'Agland	86.76	43	eP	pmax	13 53 14.8	-0.7	LPL	La Plagne	89.36	45	eP	pmax	13 53 28.1	0.0	BRG	BRG	94.30	39	eP	pmax	pmax		13 54 20.7	
K17K	Iditarod	86.78	333	P	P	13 53 15.9	+0.7	LPK	La Plagne	89.37	45	eP	pmax	13 53 28.3	0.0	BRG	BRG	94.30	39	eP	pmax	pmax		13 54 20.7	
C21K	Knifeblade Rid	86.86	340	P	P	13 53 17.1	+1.7	D17K	Noatak River	89.															

17d 14h

Table with columns for station code, name, frequency, and other technical details. Includes stations like URZ Urewra, FINES FINESS Array B, BOSA Boshof, MNSK Minsk, etc.

2017 NOV

Table with columns for station code, name, frequency, and other technical details. Includes stations like ULN Ulaanbaatar, SONM Songino Array, KZA Kyzart, etc.

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Table with columns for station code, name, frequency, and other technical details. Includes stations like GRMI Germi, IPJR Pirip, GAMS Gamsar, etc.

IDC 17 14:02:49.8:0.9,34:55N:45:48E, h0km, mb3.9/13, mbtm3.9/20, ML3.5/7, MS3.5/4, Error ellipse: s-maj=19.4km s-min=11.9km az=161.0

NEIC 17 14:02:52.0:3.0,34:53N:0:04:45E:0.1, h10km, 1km, mb4.5/16, Error ellipse: s-maj=16.0km s-min=5.6km az=101.0

TEH 17 14:02:52.1:34:59N:45:60E, h13km, 18km, ML4.2, NAO 17 14:02:53.3:34:34N:45:33E, h33km, mb4.2

DSN 17 14:03:00.9:1.5,34:08N:46:30E, h15km, Error ellipse: s-maj=56.1km s-min=13.5km az=43.0

GII 17 14:03:04.3:0.3,37:06N:44:45E, h25km, OMAN 17 14:03:07.4:2.8,33:47N:45:83E, h10km, 34km, mb4.6/22, Error ellipse: s-maj=33.1km s-min=16.9km az=54.0

ISC 17 14:02:52.0:0.4,34:41N:0:04:45E:0.04, h18km, n144, c255/158, mb4.1/20, Iran-Iraq border region

Table with columns for Code, Station Name, Az, Az', Phase ID, Time Res, and Res. Includes stations like KGSJ Ghasr-e-Shirin, IDHR Dehrash, etc.

17d 15h

NOU 17 15: 18:36.0, 21:63S; 168:98E, h0km, MLV4.9/13, Loyalty Islands
 IDC 17 15: 18:38.0, 0.6, 21:62S; 168:74E, h0km, mb4.1/12, mbmp4.1/15, ML4.4/3, MS3.8/20, Error ellipse: s-maj=20.5km s-min=15.6km az=157.0
 NEIC 17 15: 18:38.3, 2.1, 21:67S; 0.07; 168:79E; 0.06, h10km, 1km, mb4.7/21, Error ellipse: s-maj=11.9km s-min=8.3km az=22.0

ISC 17 15: 18:39.4, 0.6, 21:65S; 0.05; 168:69E; 0.05, h14km, 3km, h13km; pp-P, n145, o1924/143, mb4.5/28, MS3.8/19, 4C-7D, Loyalty Islands

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
MARNC	Mare, Loyalty	0.6 283	Op	h m s ISC	
MARNC	Mare, Loyalty	0.6 285	P	15 18 52.6 +0.8	
PINNC	Pines Island, LIFUNC	1.50 230	P	15 18 53.4 +1.6	
PINNC	Pines Island, LIFUNC	1.50 230	P	15 19 06.0 +0.1	
PINNC	Pines Island, LIFUNC	1.60 302	P	15 19 06.5 +0.6	
LIFUNC	LIFOU	1.60 302	P	15 19 06.1 -1.2	
LIFUNC	LIFOU	1.60 302	P	15 19 07.5 +0.2	
OUENC	Ouen Island, N	1.88 245	P	15 19 11.8 +0.7	
OUENC	Ouen Island, N	1.88 245	P	15 19 12.8 +1.7	
DZM	Mont Dzumac	2.12 258	ePn	15 19 16.3 +1.6	
DZM	2um, 1.2s		eSn	15 19 43.3 +2.4	
DZM	6um, 1.4s		Pn	15 19 15.6 +1.0	
DZM	Mont Dzumac	2.12 258	P	15 19 16.7 +2.1	
DZM	Mont Dzumac	2.12 258	P	15 19 16.2 +1.6	
DZM	80nm, 0.3s, baz=121, slow=3.5, SNR=72		LR	15 19 41.3	
DZM	comp=Z, 1.1um, 19.3s, baz=158, slow=29		LR	15 19 43.4 +2.4	
DZM	225nm, 0.3s, baz=226, slow=13, SNR=12		Sn	15 19 15.9 +0.7	
DZM	446nm, 0.5s		Iamb	15 19 18.7 +2.3	
ONTNC	Ouen Toro	2.17 252	P	15 19 37.7 -0.5	
ONTNC	Ouen Toro	2.17 252	P	15 19 37.7 -0.5	
NOUC	Port Laguerre	3.84 356	P	15 19 38.1 -1.3	
RTV	Repapao	3.93 353	P	15 19 45.0 +1.3	
DVP	Devils Point	4.25 284	Pn	15 19 45.7 +1.9	
KOUNC	Koumac, New Ca	9.64 68	Pn	15 20 58.5 +0.6	
KOUNC	Koumac, New Ca	9.64 68	Pn	15 20 59.6 +1.7	
MSVF	Nonsavu	9.64 68	Pn	15 22 49.8 +3.6	
MSVF	0.9nm, 0.3s, baz=226, slow=12, SNR=13		Sn	15 23 48.6	
MSVF	0.1nm, 0.3s, baz=281, slow=23, SNR=0		LR	15 22 44.3 -3.0	
MSVF	comp=Z, 808nm, 19.7s, baz=243, slow=32		LR	15 22 42.5 -2.3	
MSVF	24nm, 1.0s		P	15 22 52.2 +1.7	
EIDS	Eidsvoild	16.57 254	Pn	15 28 35.7	
EIDS	comp=Z, 33nm, 1.3s		Iamb	15 22 48.6	
ARMA	Armidale	17.63 237	Pn	15 22 52.0 -1.7	
URUZ	Urewera	18.08 158	P	15 23 08.4 -4.0	
URUZ	comp=Z, 0.4nm, 0.3s, baz=89, slow=20, SNR=1.8		LR	15 23 04.4 +2.6	
URUZ	comp=Z, 97nm, 18.6s, baz=211, slow=53		LR	15 31 09.7	
URUZ	comp=Z, 7.0nm, 0.8s		Pn	15 22 52.0 -1.7	
RTZ	Ruatuhuna	18.36 159	P	15 23 08.4 -4.0	
TCW	Tory Channel	20.07 168	P	15 23 04.4 +2.6	
CTA	Charters Tower	21.02 270	P	15 31 09.7	
CTA	comp=Z, 4.8nm, 0.8s, baz=88, slow=5.2, SNR=3.5		LR	15 23 25.8 -2.8	
CTA	comp=Z, 4.14nm, 19.3s, baz=91, slow=36		LR	15 24 05.8 -1.2	
GPVZ	Greta Valley S	21.57 171	P	15 24 18.1 -1.6	
GPVZ	Rata Peaks	22.10 175	P	15 24 18.1 -1.6	
GPVZ	comp=Z, 2.35nm, 18.4s, baz=348, slow=35		P	15 24 05.8 -1.2	
COEN	Coen	25.44 283	P	15 24 18.1 -1.6	
COEN	comp=Z, 1.1nm, 0.8s		Iamb	15 24 12.2 -1.5	
STKA	Stevens Creek	26.18 241	P	15 24 15.2 +1.5	
STKA	Stevens Creek	26.18 241	P	15 34 27.7	
STKA	comp=Z, 2.8nm, 1.0s, baz=79, slow=8.1, SNR=5.0		LR	15 33 44.0	
STKA	comp=Z, 3.15nm, 19.1s, baz=41, slow=36		LR	15 33 44.0	
RAR	Rarotonga	29.34 95	LR	15 25 04.5 -0.4	
RAR	comp=Z, 5.6nm, 21.3s, baz=346, slow=31		LR	15 25 28.1	
BBOO	Buckleboo	30.95 242	P	15 25 16.1	
BBOO	comp=Z, 1.4nm, 1.2s		Iamb	15 25 04.5 -0.4	
WRD	Warramunga Arr	31.93 267	P	15 25 05.8 -0.6	
WRD	comp=Z, 5.2nm, 0.8s		Iamb	15 25 16.1	
WB0	Warramunga Arr	32.10 267	P	15 25 06.4 -0.2	
WB0	comp=Z, 6.5nm, 1.0s		Iamb	15 25 04.1 -2.5	
AS31	Alice Springs	32.12 260	P	15 25 07.1 +0.5	
ASAR	Alice Springs	32.12 260	P	15 39 05.8	
ASAR	Alice Springs	32.12 260	P	15 25 06.4 -0.2	
ASAR	comp=Z, 4.4nm, 0.9s, baz=86, slow=5.5, SNR=20		LR	15 25 06.9 +0.3	
ASAR	comp=Z, 1.79nm, 18.1s, baz=102, slow=38		LR	15 25 06.9 +0.3	
ASAR	comp=Z, 4.4nm, 0.9s		P	15 25 47.5 0.0	
WRA	Warramunga Arr	32.12 267	P	15 25 56.0	
WRA	Warramunga Arr	32.12 267	P	15 25 56.0	
WRA	comp=Z, 3.9nm, 1.0s, baz=96, slow=7.6, SNR=15		LR	15 25 47.5 0.0	
WRA	comp=Z, 3.9nm, 1.0s		Iamb	15 25 56.0	
MTN	Manton Dam	36.84 277	P	15 25 52.1 +0.1	
MTN	comp=Z, 12nm, 0.6s		Iamb	15 26 07.7	
KNRA	Kununurra	38.21 272	P	15 35 00.4	
KNRA	comp=Z, 1.8nm, 0.9s		Iamb	15 36 41.5	
PPT2	Papeete2	39.44 92	eLQ	15 45 34.1	
PPT2	comp=Z, 2.96nm, 31.0s		eLR	15 45 34.1	
BATI	Baumata	44.61 277	LR	15 46 25.7	
BATI	comp=Z, 2.92nm, 20.0s, baz=138, slow=36		sPKPab	15 47 42.7	
MBWA	Marble Bar	46.43 284	P	15 47 42.7	
NWAO	Narrogin (SRO)	46.69 245	LR	15 52 15.8 -1.0	
NWAO	comp=Z, 2.49nm, 18.1s, baz=54, slow=37		LR	15 34 58.2 +3.0	
MORW	Morawa	47.82 250	P	15 39 50.4	
TAOE	Nuku Hiva Isla	50.76 84	eS	15 39 50.4	
TAOE	comp=Z, 82nm, 26.9s		eLQ	15 41 48.9	
TAOE	comp=Z, 2um, 29.5s		eLR	15 41 48.9	
TAOE	comp=Z, 1.75nm, 26.8s		P	15 27 46.9 -1.4	
TOLIZ	Tolitoli	51.94 290	P	15 28 17.7 +0.4	
TOLIZ	comp=Z, 1.6nm, 1.1s		Iamb	15 28 26.3	
VNDA	Vanda	56.02 182	P	15 28 18.9 +1.7	
VNDA	comp=Z, 0.4nm, 0.3s, baz=68, slow=23, SNR=13		Iamb	15 47 42.0	
VNDA	comp=Z, 2.45nm, 21.6s, baz=352, slow=31		LR	15 55 51.3	
VNDA	comp=Z, 0.4nm, 0.3s		LR	15 58 54.5 +0.2	
LEM	Lembang	60.65 274	LR	15 58 54.5 +0.2	
LEM	comp=Z, 64nm, 18.5s, baz=154, slow=37		LR	15 29 33.1 -1.4	
KSM	Kuching	61.43 284	P	15 29 33.1 -1.4	
QSPA	South Pole Qui	68.42 180	P	15 29 41.8 +1.1	
QSPA	South Pole Qui	68.42 180	P	15 56 01.1	
QSPA	comp=Z, 3.6nm, 1.0s, baz=71, slow=0.8, SNR=6.0		LR	15 30 01.3 +0.9	
QSPA	comp=Z, 3.2nm, 18.6s, baz=10, slow=33		LR	15 30 04.8 -0.6	
NJ2	Nanjing	71.58 317	eP	15 30 06.0 +0.6	
NJ2	comp=Z, 1.1nm, 0.5s		pP	15 30 19.8 +7.4	
NJ2	comp=Z, 1.1nm, 0.5s		SP	15 30 14.7 +2.3	
NJ2	comp=Z, 620nm, 3.5s		pmx	15 30 20.9 +0.7	
WHN	Wuhan	73.59 313	P	15 30 20.9 +0.7	
WHN	comp=Z, 4.6nm, 1.0s		pmx	15 56 53.9	
USRK	Ussuriysk Ar.	73.64 333	P	15 56 42.0 -0.4	
USRK	comp=Z, 3.0nm, 1.0s, baz=191, slow=8.7, SNR=5.3		pmx	15 30 54.4	
USRK	comp=Z, 3.0nm, 1.0s		pmx	15 30 54.4	
MDJ	Mudanjiang	74.99 332	P	15 30 54.4	
MDJ	comp=Z, 1.8nm, 2.3s		pmx	15 30 54.4	
MDJ	comp=Z, 2.10nm, 3.6s		pmx	15 56 53.9	
PETK	Petropavlovsk-	75.05 353	LR	15 56 53.9	
PETK	comp=Z, 3.1nm, 20.6s, baz=157, slow=31		LR	15 56 42.0 -0.4	
BELA	Belgrano 2	79.76 175	P	15 56 42.0 -0.4	
BELA	comp=Z, 1.3nm, 1.0s		Iamb	15 56 42.0 -0.4	

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Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
HEH	Heihe	80.35 335	eP	15 30 50.9 +0.9	
PZH	PanZhihua	80.58 303	P	15 30 50.1 -1.9	
PZH	comp=Z, 10.0nm, 0.5s		pmx	15 30 56.9 -0.8	
HHC	Hu-ho-hao-te	81.71 320	eP	15 30 56.9 -0.8	
HHC	comp=Z, 3.9nm, 0.6s		pmx	15 31 07.4 -0.3	
HHC	comp=Z, 240nm, 6.2s		pmx	15 31 20.9 -1.9	
ELIB	Princess Elisa	83.69 190	dP	15 31 20.9 -1.9	
ELIB	comp=Z, 4.4nm, 1.4s		P	15 31 30.6	
TROLL	Troll, Antari	86.11 184	IP	15 31 24.0 +1.2	
TROLL	comp=Z, 115nm, 0.6s		P	15 31 24.0 +1.2	
SNAAS	Sanae	86.75 183	P	15 31 22.5 -0.2	
SNAAS	comp=Z, 6.9nm, 1.0s		Iamb	15 31 27.0 0.0	
SNAAS	Sanae	86.75 183	IP	15 31 34.0 +0.8	
SNAAS	comp=Z, 4.1nm, 0.8s		P	15 31 22.5 -0.2	
SNAAS	Sanae	86.75 183	P	15 31 27.0 0.0	
SNAAS	comp=Z, 3.8nm, 1.1s, baz=46, slow=1.5, SNR=6.6		P	15 31 25.5 -0.2	
SNAAS	comp=Z, 3.8nm, 1.1s		IP	15 31 27.0 0.0	
VNA3	Neumayer-Watz	87.64 181	IP	15 31 34.0 +0.8	
VNA3	comp=Z, 2.2nm, 0.5s, baz=197, slow=4.0		P	15 31 25.5 -0.2	
VNA3	Sonngo Array	88.83 323	P	15 31 27.0 0.0	
VNA3	comp=Z, 0.7nm, 0.7s, baz=152, slow=8.0, SNR=4.5		P	15 31 27.0 0.0	
VNA3	comp=Z, 0.7nm, 0.7s		P	15 31 34.0 +0.8	
YBH	Yreka Blue Hor	89.38 44	LR	16 02 33.1	
YBH	comp=Z, 6.6nm, 21.3s, baz=258, slow=30		LR	15 31 41.9 -0.6	
NVAR	Minna Array Bea	90.77 49	P	15 31 41.9 -0.6	
NVAR	comp=Z, 0.7nm, 0.7s, baz=225, slow=7.9, SNR=6.1		LR	16 06 15.7	
NVAR	comp=Z, 36nm, 18.8s, baz=269, slow=32		LR	16 03 05.3	
NVAR	comp=Z, 0.7nm, 0.7s		LR	15 31 49.4 -1.0	
LPIG	La Paz	90.92 65	LR	16 11 38.1	
LPIG	comp=Z, 50nm, 21.3s, baz=230, slow=29		LR	16 09 46.4	
ILAR	Eielson Array	92.67 17	P	16 09 46.4	
ILAR	comp=Z, 0.3nm, 0.7s, baz=249, slow=4.7, SNR=2.2		P	16 08 20.1	
ILAR	comp=Z, 3.7nm, 18.8s, baz=170, slow=34		LR	15 32 17.4 -0.2	
ILAR	comp=Z, 0.3nm, 0.7s		P	15 37 42.9 0.0	
NEW	Newport	95.94 40	LR	15 38 15.1 +0.6	
NEW	comp=Z, 0.7nm, 18.0s, baz=320, slow=32		LR	15 38 14.3 -0.3	
TXAR	Lajitas Array	98.36 62	P	15 38 19.7 +1.6	
TXAR	comp=Z, 0.1nm, 0.7s, baz=260, slow=5.4, SNR=1.3		P	15 38 13.3 +0.5	
TXAR	comp=Z, 2.0nm, 19.7s, baz=286, slow=30		LR	15 38 16.2 +0.5	
TXAR	comp=Z, 0.1nm, 0.7s		LR	15 38 14.8 +0.3	
WMQ	Ururugi	98.49 314	eP	15 38 17.1 +1.3	
WMQ	comp=Z, 3.3nm, 1.0s, baz=258, slow=30, SNR=7.5		P	15 38 18.3	
ARCES	ARCCESS Array B	127.25 45	PKP	15 38 16.0 +0.3	
ARCES	comp=Z, 3.3nm, 1.0s, baz=258, slow=30, SNR=7.5		PKP	15 38 16.1 +0.2	
VYHS	Ythne				

0.3nm,0.8s
ARCES ARCES Array B 126.85 345 PKP
EKA Eskdalemuir Ar 145.41 352 PKPbc
GERES GERES Array B 145.95 300 PKPbc

AEIC 17 16:09:31.7z.2.0,56.98N,0.04:157.81W:0.09,h13km,5km,
ML4.2,mb4.6/10(NEIC),ML4.4/6(NEIC),Mw4.1/3(NEIC),
Error ellipse: s-maj=7.0km s-min=4.7km az=130.0

NEIC 17 16:09:32.1z.1.8,56.98N,0.04:157.95W:0.07,h10km,1km,
Error ellipse: s-maj=8.6km s-min=3.1km az=311.0

IDC 17 16:09:35.9z.2.8,57.08N,157.98W,h42km,24km,mb3.8/22,
mbmp4,0/26,ML3.8/4,MS3.3/7,Error ellipse:
s-maj=20.9km s-min=12.7km az=22.0

ISC 17 16:09:32.3z.0.7,56.98N,0.03:157.85W:0.03,h19km,2km,
n286,σ19/04/291,mb4.2/29,MS3.3/4,Alaska Peninsula

Table with columns: Code, Station Name, Δ°, AZ°, Phase, ID, Op, Time, Res, ISC. Lists various seismic stations and their parameters.

Table with columns: Q19K, Cape Douglas, 2.97 47 Pn, 16 10 19.5 +1.1, 16 11 28.4. Lists seismic events with station codes, magnitudes, and times.

Table with columns: KNK, Juniper Glacier, 6.55 43 P, Pn, 16 11 07.7 +0.1. Lists seismic events with station codes, magnitudes, and times.

T 3.5239, Plg19.0000°, Azm99.0000°; N -0.2615, Plg11.0000°, Azm5.0000°; P -3.2624, Plg68.0000°, Azm246.0000°;
 NEIC 17 16:45:46.2±2.2, 19:82S:0°04:69.15VL:0.06, h97km, 3km, mb5.5/117, Mw5.0/18, Mwr5.1 (GUC) Error ellipse: s-maj=8.6km s-min=4.7km az=108° SJA 17 16:45:46.2±0.7, 19:79S:69.29W, h108km, 2km, ML5.2, MV4.9
 NEIC 17 16:45:46.6, 19:83S:69.20W, h90km
 GUC 17 16:45:47.7±0.8, 19:79S:69.27W, h105km, 3km, ML5.0
 IDC 17 16:45:48.4±0.3, 19:85S:69.02W, h107km, 2km, mb4.7/25, mbmp5.0/25, MS3.7/24, Error ellipse: s-maj=13.0km s-min=7.9km az=66.0°
 GCMT 17 16:45:51.2±0.2, 19:71S:0°02:69.45VL:0.02, h122km, 2km, MW5.0/107, Moment Tensor Solution. s55, c63; s107, c148; Duration: 0 Moment tensor: Scale 10¹⁶Nm; Mn-3.01±0.08; Mm-0.30±0.09; Mm3.31±1.2; Mw-0.26±0.06; Mw-1.65±1.3; Mw-2.11±0.9; Best double couple: Mw4.12400×10¹⁶ Np1.356.00000°, δ62.00000°, λ-70.00000°. NP2.03138.00000°, δ34.00000°, λ-122.00000°. Principal axes: T 4.4340, Plg14.0000°, Azm72.0000°; N -0.6170, Plg18.0000°, Azm166.0000°; P -3.8140, Plg67.0000°, Azm304.0000°; nstai1 refers to body waves, cutoff=40s, nstai2 refers to surface waves, cutoff=60s; Triangular moment-rate function

ISC 17 16:45:47.0±0.2, 19:80S:03.69±22W.0.04, h103km, 2km, h103km-P-P, n840, 1.0/90/929, mb5.5/117, 19C-21D, Northern Chile

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
G001	Chusmiza	0.13	11	Op	ISC	h m s I SC
G001	Chusmiza	0.13	11	Pn	Pn	16 46 02.1 +0.1
G001	Chusmiza	0.13	11	eS	eS	16 46 02.1 +0.1
G001	Chusmiza	0.13	11	eS	eS	16 46 14.7 +1.5
G001	Chusmiza	0.13	11	eS	eS	16 46 02.6 +0.6
G001	Chusmiza	0.13	11	eS	eS	16 46 14.1 +1.0
G001	Chusmiza	0.13	11	IAML	IAML	16 46 15.7
comp=N.110um,0.1s						
PB08	IPOC Station P	0.35	170		Pn	16 46 02.7 0.0
PB08	IPOC Station P	0.35	170		eS	16 46 03.2 +0.5
PB08	IPOC Station P	0.35	170		eS	16 46 15.8 +1.4
PB08	IPOC Station P	0.35	170		IAML	16 46 17.1
comp=Z.63um,0.3s						
PB08	IPOC Station P	0.35	170		pP	16 46 03.4 +0.7
PB08	IPOC Station P	0.35	170		eS	16 46 15.4 +1.1
PB08	IPOC Station P	0.35	170		IAML	16 46 17.3
comp=E.111um,0.2s						
HMB0	Humberstone	0.79	232		Pn	16 46 05.8 +0.1
HMB0	Humberstone	0.79	232		eS	16 46 20.1 +0.4
HMB0	Humberstone	0.79	232		eS	16 46 05.8 +0.1
HMB0	Humberstone	0.79	232		eS	16 46 19.8 +0.1
TA02	Huaiquique	0.98	241		Pn	16 46 07.5 +0.1
TA02	Huaiquique	0.98	241		eS	16 46 07.8 +0.4
TA02	Huaiquique	0.98	241		eS	16 46 22.9 +0.1
TA02	Huaiquique	0.98	241		IAML	16 46 25.9
comp=Z.52um,0.7s						
TA02	Huaiquique	0.98	241		eP	16 46 07.5 +0.1
TA02	Huaiquique	0.98	241		eS	16 46 22.2 +0.5
TA01	Diego Aracena	1.19	229		Pn	16 46 09.5 +0.2
TA01	Diego Aracena	1.19	229		eS	16 46 09.3 +0.3
TA01	Diego Aracena	1.19	229		eS	16 46 26.9 +0.1
TA01	Diego Aracena	1.19	229		IAML	16 46 32.9
comp=Z.28um,0.3s						
TA01	Diego Aracena	1.19	229		eP	16 46 09.5 +0.2
TA01	Diego Aracena	1.19	229		eS	16 46 26.9 +0.1
TA01	Diego Aracena	1.19	229		IAML	16 46 28.1
comp=E.55um,0.4s						
PB01	IPOC Station P	1.27	191		Pn	16 46 11.2 +0.6
PB01	IPOC Station P	1.27	191		eP	16 46 11.2 +0.6
PB01	IPOC Station P	1.27	191		eS	16 46 29.9 +1.3
PB01	IPOC Station P	1.27	191		IAML	16 46 31.0
comp=Z.27um,0.5s						
PB01	IPOC Station P	1.27	191		eP	16 46 11.4 +0.7
PB01	IPOC Station P	1.27	191		eS	16 46 11.2 +0.6
PATCX	Punta Patache	1.34	220		Pn	16 46 11.5 +0.1
PATCX	Punta Patache	1.34	220		eS	16 46 11.5 +0.1
PATCX	Punta Patache	1.34	220		eS	16 46 31.1 +0.8
PATCX	Punta Patache	1.34	220		eS	16 46 11.5 +0.1
PATCX	Punta Patache	1.34	220		eS	16 46 29.5 +0.7
PATCX	Punta Patache	1.34	220		IAML	16 46 34.5
comp=E.39um,0.4s						
PB16	IPOC Station P	1.48	349		Pn	16 46 15.1 +1.4
PB16	IPOC Station P	1.48	349		eS	16 46 15.1 +1.4
PB16	IPOC Station P	1.48	349		eS	16 46 36.5 +2.6
PB16	IPOC Station P	1.48	349		eS	16 46 15.1 +1.4
PB16	IPOC Station P	1.48	349		eS	16 46 35.4 +1.6
PB16	IPOC Station P	1.48	349		IAML	16 46 39.3
comp=E.13um,0.6s						
PB12	IPOC Station P	1.57	318		Pn	16 46 13.8 -0.6
PB12	IPOC Station P	1.57	318		eS	16 46 14.0 +0.6
PB12	IPOC Station P	1.57	318		eS	16 46 37.2 +1.0
PB12	IPOC Station P	1.57	318		IAML	16 46 41.7
comp=Z.10um,0.4s						
PB12	IPOC Station P	1.57	318		eP	16 46 14.2 -0.2
PB12	IPOC Station P	1.57	318		eS	16 46 34.4 -0.8
PB12	IPOC Station P	1.57	318		IAML	16 46 42.0
comp=E.21um,0.4s						
PB02	IPOC Station P	1.65	203		Pn	16 46 15.4 +0.2
PB02	IPOC Station P	1.65	203		eP	16 46 15.6 +0.3
PB02	IPOC Station P	1.65	203		eS	16 46 37.6 +0.8
PB02	IPOC Station P	1.65	203		IAML	16 46 48.1
comp=Z.25um,0.4s						
PB02	IPOC Station P	1.65	203		eP	16 46 15.6 +0.3
PB02	IPOC Station P	1.65	203		eS	16 46 36.2 -0.6
PB02	IPOC Station P	1.65	203		IAML	16 46 44.5
comp=N.40um,0.4s						
AP01	Chacalluta	1.77	323		Pn	16 46 17.1 +0.3
AP01	Chacalluta	1.77	323		eP	16 46 16.5 -0.2
AP01	Chacalluta	1.77	323		IAML	16 46 45.1
comp=Z.14um,0.6s						
AP01	Chacalluta	1.77	323		eP	16 46 17.0 +0.3
AP01	Chacalluta	1.77	323		eS	16 46 39.0 -0.4
AP01	Chacalluta	1.77	323		IAML	16 46 47.9
comp=N.40um,0.6s						
PB09	IPOC Station P	1.99	181		Pn	16 46 20.9 +1.2
PB09	IPOC Station P	1.99	181		eS	16 46 21.0 +1.3
PB09	IPOC Station P	1.99	181		eS	16 46 45.0 +0.3
PB09	IPOC Station P	1.99	181		IAML	16 46 51.0
comp=Z.12um,1.1s						
PB09	IPOC Station P	1.99	181		eP	16 46 20.9 +1.2
PB09	IPOC Station P	1.99	181		eS	16 46 44.5 +0.3
PB09	IPOC Station P	1.99	181		IAML	16 46 50.2
comp=E.13um,0.5s						
PB07	IPOC Station P	2.02	198		Pn	16 46 20.0 -0.1
PB07	IPOC Station P	2.02	198		eP	16 46 20.3 +0.2
PB07	IPOC Station P	2.02	198		eS	16 46 44.9 -0.1
PB07	IPOC Station P	2.02	198		IAML	16 46 54.9
comp=Z.19um,0.4s						
PB07	IPOC Station P	2.02	198		eP	16 46 20.5 +0.4
PB07	IPOC Station P	2.02	198		eS	16 46 45.1 +0.3
PB18	Visviri	2.21	354		Pn	16 46 26.2 +3.3
PB18	Visviri	2.21	354		eP	16 46 26.2 +3.3
PB18	Visviri	2.21	354		IAML	16 47 02.8
comp=E.5um,0.3s						
PB04	IPOC Station P	2.67	199		Pn	16 46 28.2 -0.4
PB04	IPOC Station P	2.67	199		eP	16 46 29.2 +0.3
PB04	IPOC Station P	2.67	199		eS	16 46 54.2 -6.3
PB04	IPOC Station P	2.67	199		IAML	16 47 23.7
comp=Z.9um,0.5s						
PB04	IPOC Station P	2.67	199		eP	16 46 28.5 -0.1
PB04	IPOC Station P	2.67	199		eS	16 46 44.9 +6.6
LVC	Limon Verde	2.82	174		Pn	16 46 27.3 -3.4
LVC	Limon Verde	2.82	174		eP	16 46 27.3 -3.4
LVC	Limon Verde	2.82	174		eP	16 46 27.3 -3.4
LVC	Limon Verde	2.82	174		IAML	16 47 13.6
comp=Z.5um,0.5s						
LVC	Limon Verde	2.82	174		Pn	16 46 33.3 +2.6
LVC	Limon Verde	2.82	174		eS	16 46 35.2 +0.6
LVC	Limon Verde	2.82	174		S	16 47 05.8 +1.6
comp=Z.2um,0.4s, baz=195, slow=22, SNR=5.1						
PB06	IPOC Station P	2.92	186		Pn	16 46 27.0 -4.8
PB06	IPOC Station P	2.92	186		IAML	16 47 34.7

LPAZ	S	Sn	16 47 19.3 -5.0
LPAZ	comp=Z.210nm,0.8s, baz=189, slow=14, SNR=4.8	LR	16 48 15.6
PB14	comp=Z.7um,18.9s, baz=247, slow=43	Pn	16 46 57.6 -1.5
GO02	Mina Guanaco	5.25	184 Pn
AC01	Pan de Azucar	6.45	191 Pn
AC06	Mina Casimiro	7.60	188 Pn
GO03	Copiapi	7.82	187 Pn
BBSD	Serra de San D	8.57	174 eP
BBV	San Ignacio	8.63	139 eP
SBR	comp=Z.198nm,0.7s, baz=251, slow=11, SNR=661	Pn	16 47 47.5 -1.6
ROBore	Robore, Bolivi	9.03	82 eP
AC05	El Transito	9.05	186 Pn
LCO	Las Campanas	9.27	188 eP
LCO	Las Campanas	9.27	188 eP
CO01	Juntas del Tor	10.17	184 Pn
ETMB	Extrema	10.34	187 Pn
GO04	Tololo Observa	10.43	188 Pn
PTLB	Pontes e Lacer	10.54	67 Pn
PTLB	Pontes e Lacer	10.54	67 Pn
NNA	Nana	10.68	316
NNA	Nana	10.68	316
NNA	comp=Z.44nm,0.8s	Pn	16 48 14.4 -2.5
NNA	Nana	10.68	316
NNA	comp=Z.13nm,0.4s, baz=184, slow=12, SNR=8.4	S	16 50 05.8 -8.7
NNA	comp=Z.40nm,1.0s, baz=54, slow=15, SNR=2.2	Sn	16 52 12.5
NNA	Nana	10.68	316
NNA	comp=Z.219nm,18.8s, baz=187, slow=36	LR	16 48 20.4 -1.0
VILB	Vilner	11.01	53 Pn
MURT	Porto Murtinho	11.02	102 eP
CO03	El Pedregal	11.08	187 Pn
CO02	Combarbal	11.47	188 Pn
BDQD	Bodoqueña, MS	11.73	95 eP
SAM	Samuel	11.73	95 Pn
SAM	Samuel	11.73	95 Pn
AQDB	Aquidauana	12.72	95 Pn
AQDB	Aquidauana	12.72	95 eP
CPUP	Villa Florida	12.73	123 Pn
CPUP	Villa Florida	12.73	123 eP
CPUP	Villa Florida	12.73	123 Pn
CPUP	Villa Florida	12.73	123 Pn
ROCI	El Roble	13.23	187 Pn
SALV	Santo Antonio	13.45	75 eP
MT02	Curacav	13.52	187 Pn
MT05	Benca	13.61	95 Pn
AMBA	Ambambai (Braz)	13.62	106 eP
PP1B	Ponte de Pedra	13.76	83 eP
MECA	Mercedes	13.79	

17d 16h

833A	baz=145,SNR=10	56.03 328	P	P	16 55 16.3 +1.1
X51A	Chaparral WMA, baz=145,SNR=10	56.07 344	P	P	16 55 15.3 0.0
X51A	Calhoun baz=162		P	P	16 55 15.3 0.0
V58A	baz=162	56.07 350	P	P	16 55 15.8 +0.5
V58A	Windy Hill, Pi baz=169,SNR=6.1		P	P	16 55 15.8 +0.5
W52A	baz=169,SNR=6.1	56.34 346	P	P	16 55 17.7 +0.3
V55A	Murphy baz=163	56.50 348	P	P	16 55 18.5 +0.2
V55A	Taylorville		Iamb	Iamb	16 55 20.2
V55A	comp=Z,68nm,0.8s	56.50 348	P	P	16 55 18.9 +0.6
V55A	Taylorville baz=166,SNR=14		P	P	16 55 18.9 +0.6
X48A	baz=166,SNR=14	56.55 342	P	P	16 55 18.3 -0.4
V53A	Hartselle baz=160,SNR=12	56.65 347	P	P	16 55 17.3 -2.2
V53A	Saluda	56.65 347	P	P	16 55 19.5 0.0
V53A	Saluda baz=165,SNR=6.7		P	P	16 55 19.5 0.0
NATX	baz=165,SNR=6.7	56.77 334	P	P	16 55 21.9 +1.5
NATX	Nacooches baz=151,SNR=5.1		P	P	16 55 21.9 +1.5
W50A	Signal Mountai baz=162,SNR=8.9	56.79 344	P	P	16 55 20.1 -0.4
U56A	King baz=168,SNR=6.9	56.83 349	P	P	16 55 21.7 +1.0
U56A			P	P	16 55 21.7 +1.0
CPCT	baz=168,SNR=6.9	56.83 345	Iamb	Iamb	16 55 21.7
CPCT	Cooper Cave comp=Z,39nm,1.1s				16 55 21.7
TKL	Tuckaleechee C baz=164,SNR=12	56.85 346	P	P	16 55 20.5 -0.4
TKL	Tuckaleechee C comp=Z,32nm,0.9s, baz=158,slow=8.0,SNR=22	56.85 346	P	P	16 55 20.3 -0.5
TKL	comp=Z,16nm,1.0s, baz=151,slow=8.5,SNR=4.0				16 55 20.3 -0.5
V52A	Sevierville baz=164,SNR=13	56.98 346	P	P	16 55 21.9 +0.1
T59A	Double "B" Far comp=Z,52nm,1.2s	57.01 352	P	P	16 55 21.5 -0.4
T59A	Double "B" Far baz=171,SNR=5.7		P	P	16 55 21.5 -0.4
T59A	baz=171,SNR=5.7		P	P	16 55 21.5 -0.4
V51A	Loudon baz=163	57.12 345	P	P	16 55 22.9 +0.1
435A	Jarrell baz=148	57.20 331	P	P	16 55 24.0 +0.6
U54A	Nelsons Funny baz=166,SNR=10	57.26 348	P	P	16 55 24.3 +0.5
U54A			P	P	16 55 24.3 +0.5
T57A	Hurt baz=166,SNR=7.4	57.27 350	P	P	16 55 24.4 +0.6
T57A	baz=169,SNR=7.4		P	P	16 55 24.4 +0.6
OXF	baz=169,SNR=7.4	57.32 340	P	P	16 55 23.3 -0.8
OXF	Oxford baz=157,SNR=10		P	P	16 55 23.7 -0.5
OXF	Oxford baz=157,SNR=10	57.32 340	P	P	16 55 23.7 -0.5
PLAL	Pickwick Lake comp=Z,44nm,0.9s	57.34 342	Iamb	Iamb	16 55 24.6
D37A	Washetta, Mont baz=150,SNR=6.5	57.46 333	P	P	16 55 26.1 +0.9
DRIO	Del Rio	57.54 327	P	P	16 55 23.8 -2.0
DRIO			Iamb	Iamb	16 55 27.2
BZLN	comp=Z,24nm,0.9s	57.65 346	P	P	16 55 26.4 0.0
TZLN	Tazewell baz=164	57.67 349	P	P	16 55 24.3 -2.4
BLA	Blacksburg	57.67 349	P	P	16 55 27.2 +0.5
BLA	Blacksburg baz=168,SNR=5.5		P	P	16 55 27.6 +1.0
BLA	Blacksburg baz=168,SNR=5.5	57.67 349	P	P	16 55 24.3 -2.4
BLA	Blacksburg		Pmax	Pmax	
V48A	Smith Brothers comp=Z,163nm,1.8s	57.70 343	P	P	16 55 26.5 -0.3
WLAR	White Oak Lake baz=169,SNR=6.9	57.86 336	P	P	16 55 28.3 +0.3
CLTN	Cedars of Liba baz=169,SNR=6.9	57.89 344	Iamb	Iamb	16 55 27.1 -1.0
CLTN			Iamb	Iamb	16 55 29.0
S57A	Dark Hollow, R baz=169,SNR=6.9	57.98 351	P	P	16 55 28.8 +0.1
S57A			P	P	16 55 28.8 +0.1
JCT	baz=169,SNR=6.9	58.00 329	P	P	16 55 29.5 +0.4
JCT	Junction City baz=146,SNR=5.5		P	P	16 55 29.5 +0.4
JCT	Junction City baz=146,SNR=5.5	58.00 329	P	P	16 55 29.5 +0.4
R58B	Mineral baz=170	58.02 352	P	P	16 55 29.8 +0.8
R58B			P	P	16 55 29.8 +0.8
U49A	Red Boiling Sp baz=170	58.15 344	P	P	16 55 29.8 -0.2
U49A			Iamb	Iamb	16 55 30.5
U49A	Red Boiling Sp baz=162,SNR=13	58.15 344	P	P	16 55 29.9 -0.1
WHTX	Lake Whitney, baz=148	58.17 332	P	P	16 55 30.9 +0.7
WHTX	Lake Whitney, baz=148	58.17 332	P	P	16 55 31.2 +1.0
Z38A	Mt. Pleasant baz=151,SNR=5.4	58.21 335	P	P	16 55 30.2 -0.2
Z38A	Mt. Pleasant baz=151,SNR=5.4	58.21 335	P	P	16 55 31.5 +1.0
BRDY	Brady comp=Z,18nm,1.0s	58.28 330	Iamb	Iamb	16 55 32.3
WVT	Waverly baz=159	58.34 342	P	P	16 55 30.0 -1.3
WVT	Waverly baz=159	58.34 342	P	P	16 55 30.7 -0.6
WVT	Waverly baz=159,SNR=33	58.34 342	P	P	16 55 30.8 -0.6
WVT	Waverly		Pmax	Pmax	16 55 30.0 -1.3
WVT	comp=Z,60nm,0.7s	58.34 342	P	P	16 55 30.5 -0.8
WVT	Mount Ida comp=Z,27nm,1.1s		pP	pP	16 55 56.4 -1.2
WVT	Mount Ida comp=Z,38nm,0.8s		sP	sP	16 56 07.8 -1.5
T50A	Nancy	58.40 345	Iamb	Iamb	16 55 30.6 -1.1
T50A			Iamb	Iamb	16 55 31.9
S54A	Dingess, Beckl comp=Z,21nm,0.7s	58.41 349	P	P	16 55 31.9 +0.2
S54A	Dingess, Beckl baz=167,SNR=9.0	58.41 349	P	P	16 55 32.1 +0.4
S54A			P	P	16 55 32.1 +0.4
R55A	Marlinton baz=167,SNR=9.0	58.67 350	P	P	16 55 34.3 +0.7
R55A	Marlinton baz=168,SNR=7.0	58.67 350	P	P	16 55 35.0 +1.3
R55A			P	P	16 55 35.0 +1.3
SLBS	Sierra La Lagu baz=164	58.69 316	P	P	16 55 34.0 0.0
SLBS			Iamb	Iamb	16 55 37.3
S51A	Beattyville baz=164	58.71 347	P	P	16 55 33.6 -0.2
S51A			P	P	16 55 33.6 -0.2
SAND	Sanderson baz=164	58.74 327	P	P	16 55 35.0 +0.7
SAND			Iamb	Iamb	16 55 36.1
MIAR	comp=Z,27nm,1.1s	58.80 337	Iamb	Iamb	16 55 35.7
MIAR	Mount Ida comp=Z,38nm,0.8s	58.80 337	P	P	16 55 34.7 +0.2
MIAR	Mount Ida baz=153,SNR=21	58.80 337	P	P	16 55 34.8 +0.3
T47A	Sharon Grove baz=153,SNR=21	58.95 343	P	P	16 55 34.5 -1.0
T47A	Sharon Grove	58.95 343	P	P	16 55 35.4 0.0
WHAR	Woolly Hollow baz=160,SNR=23	59.00 338	Iamb	Iamb	16 55 36.7
WHAR	comp=Z,22nm,0.9s				16 55 36.7
OZNA	Ozona comp=Z,47nm,1.3s	59.02 328	Iamb	Iamb	16 55 37.6
R53A	Hurricane baz=166,SNR=6.3	59.04 348	P	P	16 55 36.2 +0.1
R53A			P	P	16 55 36.2 +0.1

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TXAR	baz=166,SNR=6.3	59.07 325	P	P	16 55 37.1 +0.5
TXAR	Lajitas Array comp=Z,5.8nm,0.8s, baz=148,slow=7.9,SNR=50	59.07 325	pP	pP	16 56 03.8 +1.2
TX31	Lajitas Ar. Si comp=Z,2.8nm,1.1s	59.07 325	Iamb	Iamb	16 55 38.4
TX31	Lajitas Ar. Si baz=142,SNR=13	59.07 325	P	P	16 55 37.0 +0.4
TX32	Lajitas Array	59.07 325	P	P	16 55 35.1 -1.6
Z35A	Perchaven, San baz=149	59.22 333	P	P	16 55 38.4 +1.0
Q56A	Snyder Ridge, baz=149	59.27 351	P	P	16 55 37.9 +0.2
Q56A	Snyder Ridge, comp=Z,48nm,0.8s	59.27 351	Iamb	Iamb	16 55 39.9
Q56A	Snyder Ridge, baz=169,SNR=8.9		P	P	16 55 38.4 +0.7
LCAR	Lake Charles baz=169,SNR=8.9	59.31 339	P	P	16 55 37.1 -0.9
LCAR			Iamb	Iamb	16 55 38.6
LCAR	comp=Z,27nm,0.7s	59.31 339	P	P	16 55 37.3 -0.7
T45B	Paduach baz=156,SNR=15	59.40 342	P	P	16 55 38.6 0.0
Q54A	Coxs Mills baz=159,SNR=6.2	59.47 350	P	P	16 55 38.9 -0.2
Q54A			Iamb	Iamb	16 55 40.4
Q54A	comp=Z,42nm,0.8s	59.47 350	P	P	16 55 39.2 +0.2
Q54A	baz=167,SNR=13		P	P	16 55 39.2 +0.2
FCAR	Ozark Folk Cen baz=167,SNR=13	59.48 338	P	P	16 55 38.2 -0.9
FCAR			Iamb	Iamb	16 55 39.7
R50A	Paris comp=Z,30nm,1.0s	59.49 346	P	P	16 55 38.9 -0.2
R50A	Paris baz=164,SNR=8.0		P	P	16 55 38.9 -0.2
R50A	Paris baz=164,SNR=8.0	59.54 352	P	P	16 55 40.6 +1.1
P57A	Homestead Farm baz=170		P	P	16 55 40.6 +1.1
P57A			P	P	16 55 40.6 +1.1
SSFO	Shawnee State baz=170	59.64 347	P	P	16 55 40.4 +0.1
R49A	Shelbyville baz=163	59.69 345	P	P	16 55 40.2 -0.3
R49A			P	P	16 55 40.2 -0.3
ABTX	Abilene, Hawle baz=147,SNR=8.8	59.70 330	P	P	16 55 41.3 +0.5
ABTX	Abilene, Hawle baz=147,SNR=8.8	59.70 330	P	P	16 55 41.2 +0.5
Q52A	Bidwell baz=166,SNR=7.1	59.71 348	P	P	16 55 40.7 0.0
Q52A			P	P	16 55 40.7 0.0
PBMO	Poplar Bluff baz=166,SNR=7.1	59.73 340	P	P	16 55 40.2 -0.6
PBMO	Poplar Bluff baz=157,SNR=18	59.73 340	P	P	16 55 40.5 -0.3
WCI	Wyandotte Cave	59.90 344	P	P	16 55 41.4 -0.6
WCI			Iamb	Iamb	16 55 42.5
WCI	comp=Z,68nm,1.2s	59.90 344	P	P	16 55 41.4 -0.6
WCI	Wyandotte Cave baz=161	59.90 344	P	P	16 55 41.2 -0.9
WCI	Wyandotte Cave baz=161,SNR=9.1	59.90 344	P	P	16 55 41.4 -0.6
WCI	Wyandotte Cave		Pmax	Pmax	16 55 41.4 -0.6
WCI	comp=Z,68nm,1.2s	59.90 344	P	P	16 55 41.4 -0.6
WCI	Wyandotte Cave		P	P	16 55 41.4 -0.6
CGM3	Cape Girardeau	59.97 341	P	P	16 55 42.2 -0.2
MCWV	Mont Chateau baz=168,SNR=7.4	59.97 351	P	P	16 55 43.1 +0.7
MCWV	Mont Chateau baz=168,SNR=7.4	59.97 351	P	P	16 55 43.2 +0.7
Q51A	Peebles baz=165,SNR=6.9	59.99 347	P	P	16 55 42.6 0.0
Q51A			P	P	16 55 42.6 0.0
P53A	Whipple baz=165,SNR=6.9	60.06 349	P	P	16 55 43.7 +0.6
P53A	Whipple baz=157,SNR=17	60.06 349	P	P	16 55 43.4 +0.4
P53A			P	P	16 55 43.4 +0.4
U40A	Yellowville baz=167,SNR=17	60.15 338	P	P	16 55 43.8 0.0
U40A	baz=154,SNR=21		P	P	16 55 43.8 0.0
S44A	Carbondale baz=158,SNR=18	60.21 342	P	P	16 55 44.2 +0.1
P52A	Corning baz=166,SNR=9.5	60.34 349	P	P	16 55 44.9 0.0
P52A	Corning	60.34 349	P	P	16 55 45.0 0.0
PABK	Blue Knob Stat baz=170	60.38 352	P	P	16 55 46.1 +0.8
BELA	Belgrano 2	60.47 172	P	P	16 55 45.1 -0.4
BELA			Iamb	Iamb	16 55 48.7
HHAR	Hobbs comp=Z,35nm,1.2s	60.48 337	P	P	16 55 46.1 +0.1
HHAR			Iamb	Iamb	16 55 47.0
SN01	Snyder 1	60.48 329	P	P	16 55 43.6 -2.6
SN01			Iamb	Iamb	16 55 47.5
O54A	Avella comp=Z,39nm,0.7s	60.57 350	P	P	16 55 46.0 -0.5
O54A			Iamb	Iamb	16 55 47.9
O54A	comp=Z,36nm,0.7s	60.57 350	P	P	16 55 46.8 +0.2
O54A	baz=168,SNR=12		P	P	16 55 46.8 +0.2
PAL	Palisades baz=175	60.64 356	P	P	16 55 46.9 -0.1
SSPA					

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like N41A, K50A, WCNV, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like SPMM, K30B, LIC, etc.

17d 16h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like NVAR, LAO, RLMT, etc.

E25K	Arctic Village	1.34 316	Pn	Sb	17 20 50.9 +0.0	CCB	Clear Creek Bu	3.20 220	Pn	17 21 16.0 -0.3	C21K	Knifeblade Rid	4.80 300	P	Pn	17 21 39.0 +0.7
E25K					17 21 07.8 -0.7	CCB	Clear Creek Bu	3.20 220	IAML	17 22 08.1	C21K	Knifeblade Rid	4.80 300	P	Pn	17 21 39.0 +0.7
E25K	comp=N,2um,0.4s		IAML		17 21 10.8	HDA	Harding Lake	3.21 212	Pn	17 21 16.3 -0.1	TRF	Thorofare Moun	4.81 222		Pn	17 21 38.3 -0.3
E25K	comp=E,2um,0.3s	1.34 316	P	Pn	17 20 51.1 +0.2	HDA	Harding Lake	3.21 212	P	17 22 09.8	TRF			IAML		17 23 03.2
E25K	baz=134		S	Sb	17 21 08.4 -0.2	SCRK	Sand Creek	3.24 187	P	17 21 17.7 +0.8	TRF	comp=E,103nm,1.8s		IAML		17 23 06.6
H25L	Birch Creek	1.43 231	P	Pn	17 20 51.8 -0.2	SCRK	Sand Creek	3.24 187	P	17 21 17.7 +0.8	TRF	Thorofare Moun	4.81 222	P	Pn	17 21 38.6 0.0
H25L	Birch Creek	1.43 231	P	Pn	17 20 52.4 +0.5	I23K	Minto, Yukon-K	3.27 234	IAML	17 22 13.1	M27K	Edge Creek, AK	4.87 173	IAML		17 21 40.0 +0.7
I27K	Kandik River	1.69 159	P	Sb	17 20 55.9 +0.3	I23K	comp=N,323nm,0.7s	3.27 234	P	17 21 16.6 -0.6	M27K	comp=N,95nm,1.3s		IAML		17 23 22.8
I27K	Kandik River	1.69 159	P	Sb	17 21 19.4 +0.9	I23K	Minto, Yukon-K	3.27 234	P	17 21 16.6 -0.6	M27K	Edge Creek, AK	4.87 173	P	Pn	17 21 40.4 +1.0
I27K	Kandik River	1.69 159	P	Pb	17 20 57.5 +0.3	C24K	Franklin Bluff	3.29 323	P	17 21 17.7 +0.1	BVCY	Beaver Creek	4.88 168	P	Pn	17 21 40.6 +1.2
I27K	Kandik River	1.69 159	P	Sb	17 21 19.4 +0.9	C24K	Franklin Bluff	3.29 323	P	17 21 17.7 +0.1	HARP	HAARP	4.88 191	P	Pn	17 21 40.8 +1.4
G24K	Hadweenciz Riv	1.80 257	IAML	Sb	17 20 56.3 -0.8	I30M	Mount Dempster	3.35 123	IAML	17 21 18.3 -0.2	HARP	HAARP	4.88 191	P	Pn	17 21 40.7 +1.3
G24K	Hadweenciz Riv	1.80 257	IAML	Sb	17 21 26.1	I30M	comp=N,322nm,0.6s		IAML	17 22 11.1	KTH	Kantishna Hill	4.90 226	IAML	Pn	17 21 39.2 -0.5
G24K	comp=N,993nm,0.6s		IAML		17 21 28.9	I30M	comp=N,258nm,1.0s	3.35 123	P	17 22 17.6	KTH	comp=N,117nm,1.0s		IAML		17 23 06.9
G24K	Hadweenciz Riv	1.80 257	P	Pn	17 20 57.4 +0.3	I30M	Mount Dempster	3.35 123	P	17 21 18.6 +0.1	KTH	comp=E,97nm,1.0s		IAML		17 23 17.1
F24K	Squaw Lake	1.90 283	Pn	Pn	17 20 58.2 -0.2	D23K	Nanushuk River	3.37 306	P	17 21 20.0 +1.3	B21K	Ikpikpuq River	4.92 305	P	Pn	17 21 40.5 +0.7
F24K	Squaw Lake	1.90 283	Pn	Sb	17 21 24.2 -0.2	D23K	Nanushuk River	3.37 306	P	17 21 18.6 -0.1	B21K	Ikpikpuq River	4.92 305	P	Pn	17 21 40.5 +0.7
F24K	Squaw Lake	1.90 283	Pn	Sb	17 21 33.8	WRH	Wood River Hill	3.41 220	IAML	17 21 19.0 -0.3	B22K	Teshekpuk Lake	4.92 315	P	Pn	17 21 40.3 +0.5
PRP	Porcupine Dome	1.94 212	IAML	Pn	17 20 58.6 +0.2	WRH	Wood River Hill	3.41 220	IAML	17 22 23.3	B22K	Teshekpuk Lake	4.92 315	P	Pn	17 21 40.3 +0.5
PRP	Porcupine Dome	1.94 212	P	Pn	17 20 59.1 0.0	G31M	Satah River	3.46 90	IAML	17 21 19.5 -0.3	F20K	Avaaraat Lake	4.94 274	IAML		17 21 39.9 -0.3
PRP	Porcupine Dome	1.94 212	P	Pn	17 21 29.8	G31M	Satah River	3.46 90	IAML	17 22 19.9	F20K	comp=N,114nm,0.8s		IAML		17 23 07.3
E28M	Babbage River	1.96 41	IAML	Pn	17 20 59.0 -0.2	G31M	comp=E,319nm,0.7s	3.46 90	P	17 22 22.6	F20K	comp=E,105nm,0.7s		IAML		17 23 10.9
E28M	Babbage River	1.96 41	IAML	Pn	17 21 33.6	G31M	Satah River	3.46 90	P	17 21 19.6 -0.3	F20K	Avaaraat Lake	4.94 274	P	Pn	17 21 39.9 -0.3
E28M	Babbage River	1.96 41	IAML	Pn	17 21 34.2	E22K	Anaktuvuk Pass	3.48 290	P	17 21 21.1 +0.9	WAT1	Susitna Watana	4.95 211	P	Pn	17 21 41.1 +0.8
E28M	Babbage River	1.96 41	Pn	Pn	17 20 59.1 -0.2	E22K	Anaktuvuk Pass	3.48 290	P	17 21 20.9 +0.8	WAT1	Susitna Watana	4.95 211	P	Pn	17 21 41.1 +0.8
G29M	Pine Creek	2.00 95	P	Pn	17 21 00.6 +0.7	E22K	Anaktuvuk Pass	3.48 290	P	17 21 20.9 +0.8	WAT7	Susitna Watana	5.00 212	Pn	Pn	17 21 41.9 +0.8
G29M	Pine Creek	2.00 95	P	Pn	17 21 00.6 +0.7	DAWY	Dawson	3.48 152	P	17 21 20.6 +0.4	WAT6	Susitna Watana	5.03 205	Pn	Pn	17 21 42.8 +1.2
H29M	Whitestone	2.10 115	IAML	Pn	17 21 02.0 +0.8	DAWY	Dawson	3.48 152	P	17 22 29.8	WAT6	Susitna Watana	5.03 205	Pn	Pn	17 21 42.8 +1.2
H29M	Whitestone	2.10 115	IAML	Pn	17 21 35.2	DAWY	comp=N,216nm,0.5s		IAML	17 21 20.9 +0.7	H20K	Anotieneega Mo	5.05 256	P	Pn	17 21 41.5 -0.2
H29M	Whitestone	2.10 115	Pn	Pn	17 21 37.1	F22K	John River	3.54 280	P	17 21 21.3 +0.3	H20K	Anotieneega Mo	5.05 256	P	Pn	17 21 41.5 -0.2
H29M	Whitestone	2.10 115	Pn	Pn	17 21 02.1 +0.8	F22K	John River	3.54 280	P	17 21 21.3 +0.3	CHUM	Lake Minchum	5.07 234	Pn	Pn	17 21 41.7 -0.3
I28M	Miner Creek	2.15 142	IAML	Pn	17 21 02.6 +0.6	H22K	Ishlitalina Cre	3.56 253	P	17 21 20.4 -0.9	CHUM	Lake Minchum	5.07 234	Pn	Pn	17 21 41.9 -0.1
I28M	Miner Creek	2.15 142	IAML	Pn	17 21 02.8 +0.8	H22K	Ishlitalina Cre	3.56 253	P	17 21 20.8 -0.6	E20K	Nigu River	5.11 288	Pn	Pn	17 21 43.6 +1.0
I28M	Miner Creek	2.15 142	IAML	Pn	17 21 39.6	K24K	Donnelly Dome	3.57 200	P	17 21 22.4 +1.0	E20K	Nigu River	5.11 288	Pn	Pn	17 21 43.8 +1.2
I28M	Miner Creek	2.15 142	P	Pn	17 21 02.6 +0.6	K24K	Donnelly Dome	3.57 200	P	17 21 22.4 +1.0	M29M	Somme Creek	5.14 155	IAML	Pn	17 21 44.0 +0.8
D27M	Malcolm River	2.22 20	Pn	Pn	17 21 03.4 +0.5	NEA2	Nenana	3.58 226	IAML	17 21 20.7 -0.8	M29M	Somme Creek	5.14 155	P	Pn	17 21 44.6 +1.5
D27M	Malcolm River	2.22 20	Pn	Pn	17 21 03.5 +0.6	NEA2	comp=N,227nm,0.6s		IAML	17 22 18.6	M29M	comp=E,73nm,0.7s		IAML		17 23 23.9
E24K	Your Creek	2.26 296	P	Pn	17 21 03.8 +0.3	NEA2	Nenana	3.58 226	P	17 22 19.0	I20K	Naaghedeneel	5.24 248	P	Pn	17 21 45.3 +1.1
E24K	Your Creek	2.26 296	P	Pn	17 21 04.1 0.0	F31M	Tsiigehtich	3.62 82	IAML	17 21 21.0 -0.6	I20K	Naaghedeneel	5.24 248	P	Pn	17 21 45.3 +1.1
E29M	Blow River	2.31 56	IAML	Pn	17 21 04.1 0.0	F31M	Tsiigehtich	3.62 82	IAML	17 22 31.9	WACK	Wrangell Chich	5.24 187	Pn	Pn	17 21 45.6 +1.1
E29M	Blow River	2.31 56	IAML	Pn	17 21 45.2	F31M	Tsiigehtich	3.62 82	P	17 21 22.2 +0.1	M24K	Tolsona, Glenn	5.26 196	Pn	Pn	17 21 45.6 +1.9
E29M	Blow River	2.31 56	IAML	Pn	17 21 51.3	F31M	Tsiigehtich	3.62 82	P	17 21 22.2 +0.1	M24K	Tolsona, Glenn	5.26 196	Pn	Pn	17 21 45.3 +0.6
E29M	Blow River	2.31 56	Pn	Pn	17 21 04.3 +0.2	MLY	Manley	3.79 239	IAML	17 21 23.3 -1.2	WASW	Wrangell South	5.29 186	Pn	Pn	17 21 45.6 +0.4
H24K	Noodor Dome	2.35 237	IAML	Pn	17 21 03.8 -0.9	MLY	Manley	3.79 239	IAML	17 22 31.6	D20K	Etiyuk River	5.33 293	P	Pn	17 21 45.9 +0.3
H24K	Noodor Dome	2.35 237	IAML	Pn	17 21 40.7	MLY	comp=E,176nm,0.5s		IAML	17 22 34.2	D20K	Etiyuk River	5.33 293	P	Pn	17 21 45.9 +0.3
H24K	Noodor Dome	2.35 237	Pn	Pn	17 21 04.5 -0.2	MLY	comp=N,161nm,0.5s	3.79 239	P	17 21 23.9 -0.6	M30M	Minto, Yukon	5.34 147	P	Pn	17 21 44.9 -0.8
D25K	Kavik River	2.48 332	IAML	Pn	17 21 07.2 +0.7	MLY	Manley	3.79 239	P	17 21 25.4 +0.8	M30M	Minto, Yukon	5.34 147	P	Pn	17 21 46.3 +0.6
D25K	Kavik River	2.48 332	IAML	Pn	17 21 47.2	INX	Inuvik	3.80 68	P	17 21 25.4 +0.8	CAST	Castle Rocks	5.34 229	P	Pn	17 21 45.8 -0.8
D25K	Kavik River	2.48 332	P	Pn	17 21 07.2 +0.7	INX	Inuvik	3.80 68	P	17 21 25.4 +0.8	CAST	Castle Rocks	5.34 229	P	Pn	17 21 45.5 -0.2
EGAK	Eagle	2.54 161	P	Pn	17 21 07.6 +0.4	J30M	Hart River	3.81 130	IAML	17 21 25.8 +0.4	J20K	Nowinta River	5.48 242	P	Pn	17 21 46.9 -0.7
EGAK	Eagle	2.54 161	P	Pn	17 21 07.6 +0.4	J30M	Hart River	3.81 130	IAML	17 22 28.2	J20K	Nowinta River	5.48 242	P	Pn	17 21 47.8 +0.2
EPYK	Eagle Plains	2.65 105	Pn	Pn	17 21 09.0 +0.3	J30M	Hart River	3.81 130	P	17 21 25.3 +0.6	E19K	Redstone River	5.49 279	Pn	Pn	17 21 48.2 +0.5
EPYK	Eagle Plains	2.65 105	Pn	Pn	17 21 09.3 +0.5	C23K	Hikilik River	3.85 317	IAML	17 21 26.3 +1.1	E19K	Redstone River	5.49 279	Pn	Pn	17 21 48.2 +0.5
I29M	Ogilvie Camp,	2.65 131	Pn	Pn	17 21 09.0 +0.2	C23K	Hikilik River	3.85 317	IAML	17 22 30.6	YUK3	Moose Creek	5.54 167	P	Pn	17 21 49.6 +0.9
E23K	Chandalar	2.66 292	P	Pn	17 21 09.6 +0.6	C23K	Hikilik River	3.85 317	P	17 22 37.1	H19K	Roundabout Mou	5.63 259	Pn	Pn	17 21 49.3 -0.4
E23K	Chandalar	2.66 292	P	Pn	17 21 09.6 +0.6	D22K	Ayikyak River	4.00 300	Pn	17 21 27.3 +1.1	H19K	Roundabout Mou	5.63 259	Pn	Pn	17 21 49.7 +0.1
G30M	tAoh Zrail Njii	2.69 91	Pn	Pn	17 21 09.8 +0.5	BWN	Browne	4.01 224	Pn	17 21 26.6 -0.9	N25K	Chitina, Valde	5.63 187	Pn	Pn	17 21 50.8 +0.9
G30M	tAoh Zrail Njii	2.69 91	IAML	Pn	17 21 52.3	F21K	Alatna River	4.05 275	IAML	17 21 27.8 -0.3	N25K	Chitina, Valde	5.63 187	Pn	Pn	17 21 49.7 -0.1
G30M	comp=E,405nm,0.6s		IAML		17 21 54.4	F21K	Alatna River	4.05 275	IAML	17 22 36.2	G19K	Purcell Mouna	5.67 266	P	Pn	17 21 49.7 -0.5
G30M	comp=N,449nm,0.6s		IAML		17 21 54.4	F21K	Alatna River	4.05 275	IAML	17 22 36.9	G19K	Purcell Mouna	5.67 266	P	Pn	17 21 50.2 0.0
D28M	Stokes Point	2.70 35	Pn	Pn	17 21 10.4 +1.1	F21K	Alatna River	4.05 275	P	17 21 28.5 +0.4	SCM	Sheep Creek Mo	5.67 201	Pn	Pn	17 21 49.5 -0.9
D28M	Stokes Point	2.70 35	Pn	Pn	17 21 10.7 +1.4	K29M	Barlow Dome	4.07 143	IAML	17 21 28.4 0.0	CUT	Chulitna	5.69 216	Pn	Pn	17 21 49.6 -0.9
J26L	Joseph Creek	2.70 185	IAML	Pn	17 21 10.1 +0.6	K29M	Barlow Dome	4.07 143	IAML	17 22 37.3	A22K	Sinclair Lake	5.73 317	P	Pn	17 21 51.2 +0.2
J26L	Joseph Creek	2.70 185	IAML	Pn	17 21 53.0	K29M	Barlow Dome	4.07 143	P	17 21 28.4 0.0	GLB	Gilghina Butte	5.77 184	Pn	Pn	17 21 52.7 +1.0
J26L	Joseph Creek	2.70 185	P	Pn	17 21 10.1 +0.6	I21K	Tanana	4.13 245	IAML	17 21 28.8 -0.3	F19K	Shalericuk Mo	5.77 273	Pn	Pn	17 21 50.6 -1.0
POKR	Poker Plat Res	2.73 223	IAML	Pn	17 21 09.9 +0.1	I21K	Tanana	4.13 245	IAML	17 22 41.6	F19K	Shalericuk Mo	5.77 273	Pn	Pn	17 21 51.4 -0.2
POKR	Poker Plat Res	2.73 223	IAML	Pn	17 21 51.4	I21K	Tanana	4.13 245	P	17 21 29.1 0.0	PPLA	Purkeypile	5.78 226	P	Pn	17 21 51.1 -0.7
POKR	Poker Plat Res	2.73 223	P	Pn	17 21 09.9 +0.1	BCAR	Beaver Creek A	4.17 172	Pn	17 21 30.9 +1.2	PPLA	Purkeypile	5.78 226	P	Pn	17 21 51.3 -0.5
J25K	Salcha River,	2.74 201	IAML	Pn	17 21 10.2 +0.1	L27K	Beaver Creek,	4.17 172	Pn	17 21 30.9 +1.2	MCARA	McCarthy VSAT	5.82 180	Pn	Pn	17 21 52.6 +0.3
J25K	Salcha River,	2.74 201	IAML	Pn	17 21 53.1	L27K	Beaver Creek,	4.17 172	Pn	17 21 30.6 +1.0	D19K	Kuna River	5.84 290	Pn	Pn	17 21 53

17d 18h

Table with columns: Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like J18K Innoko River, BERG Berg Lake, TABL Table Mountain, etc.

BGR 17 17:38:46.6, 22.04S, 171.88E, h23km, 1km
NOU 17 17:38:47.8, 21.55S, 168.92E, h0km, MLV4.5/10, Loyalty Islands

Code Station Name Az Az2 Phase ID Time Res
MARNC Mare, Loyalty 0.63 278 Op Sbn

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MARNC Mare, PINNC Pines Island, LIFNC LIFOU, etc.

2010 NOV

Table with columns: Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SOMNI Songoing Array, NVAR Mina Aray Bay, ILAR Eison Array, etc.

TEH 17 17:40:09.5, 36.08N, 45.73E, h5km, 36km, ML3.7
AZER 17 17:40:13.7, 36.08N, 46.10E, h10km, Error ellipse:

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SDSA Sardasht, MAHB Mahabad, MAHR Mahrah, etc.

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Table with columns: Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MAKU Maku, CLDR Caldiran, ASTR Astara, etc.

IDC 17 18:00:13.7, 1.8, 0.64N, 125.86E, h0km, mb3.7/4, mbmp3.7/4, MS3.2/3, Error ellipse: s-maj=164.8km

DJA 17 18:00:20.6, 0.3, 0.3N, 12.6E, h10km, M3.8/12, mb4.0/5, MLV3.7/12

IDC 17 18:00:17.8, 1.0, 0.3N, 0.1, 125.54E, h0km, n14, s222/11, mb3.7/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KMSI Cibinong, WB2 Warramunga Arr, WRA Warramunga Arr, etc.

NEIC 17 18:07:04.0, 1.6, 50.00N, 0.05E, 66.15W, 0.05, h14km, 5km, mb, Lg3.4/17, mb, Lg3.7(OT), Error ellipse: s-maj=7.1km

17d 21h

Table with columns: ID, Name, Value, Unit, Status, Date, Change, and other details. Includes entries like K24K Donnelly Dome, L17K Donlin, N16K Nishlik Lake, etc.

2017 NOV

Table with columns: LOGN, IAML, Value, Unit, Status, Date, Change, and other details. Includes entries like LOGN comp=E,372nm,1.1s, O15K Ungalikthuk R, L27K Beaver Creek, etc.

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Table with columns: P29M, P29M, Value, Unit, Status, Date, Change, and other details. Includes entries like P29M Windy Craggy, P29M Windy Craggy, COLD Coldfoot, etc.

D19K	Kuna River	8.52	341	Pn	Pn	21	18	36.6	+1.8
D19K	Kuna River	8.52	341	P	P	21	18	36.2	+1.4
P32M	Atlin	8.55	89	Pn	Pn	21	18	35.2	0.0
P32M	Atlin	8.55	89	P	P	21	18	34.8	-0.4
E27K	Coleen River	8.55	23	Pn	Pn	21	18	35.4	+0.2
E27K	Coleen River	8.55	23	P	P	21	18	35.3	+0.1
R32K	Eaglecrest	8.57	99	Pn	Pn	21	18	34.8	-0.7
R32K	Eaglecrest	8.57	99	P	P	21	18	35.5	+0.1
F14K	Arctic Creek	8.60	311	Pn	Pn	21	18	37.1	+1.3
F14K	Arctic Creek	8.60	311	P	P	21	18	37.4	+1.7
N32M	Quiet Lake	8.61	79	Pn	Pn	21	18	35.7	-0.3
N32M	Quiet Lake	8.61	79	P	P	21	18	35.5	-0.6
D24K	Happy Valley	8.61	4	Pn	Pn	21	18	37.0	+1.0
D24K	Happy Valley	8.61	4	P	P	21	18	36.8	+0.8
JIS	Juneau Island	8.63	99	Pn	Pn	21	18	35.7	-0.7
SIT	Sitka	8.73	107	Pn	Pn	21	18	36.5	-1.0
SIT	Sitka	8.73	107	P	P	21	18	36.2	-1.4
SIT	Sitka	8.73	107	P	P	21	18	36.6	-1.0
C21K	Knifeflake Rid	8.75	350	Pn	Pn	21	18	39.4	+1.6
C21K	Knifeflake Rid	8.75	350	P	P	21	18	38.9	+1.0
P33M	Teslin, Yukon	8.86	85	Pn	Pn	21	18	38.9	-0.6
P33M	Teslin, Yukon	8.86	85	P	P	21	18	38.4	-1.1
S32K	Killisnoo	8.88	104	Pn	Pn	21	18	39.9	+0.2
S32K	Killisnoo	8.88	104	P	P	21	18	39.3	-0.4
D25K	Kavik River	8.93	10	Pn	Pn	21	18	41.3	+0.9
D25K	Kavik River	8.93	10	P	P	21	18	41.5	+1.0
G30M	Aoh Zraii Nji	9.02	39	Pn	Pn	21	18	41.2	-0.5
G30M	Aoh Zraii Nji	9.02	39	P	P	21	18	40.9	-0.7
C24K	Franklin Bluff	9.18	4	Pn	Pn	21	18	44.5	+0.7
C24K	Franklin Bluff	9.18	4	P	P	21	18	44.8	+1.1
B21K	Ikpikpuk River	9.19	351	Pn	Pn	21	18	45.4	+1.5
B21K	Ikpikpuk River	9.19	351	P	P	21	18	45.1	+1.2
TNA	Tin City	9.23	310	Pn	Pn	21	18	46.5	+2.1
C23K	Itkillik River	9.26	0	Pn	Pn	21	18	46.1	+1.2
C23K	Itkillik River	9.26	0	P	P	21	18	46.0	+1.2
C19K	Lookout Ridge	9.31	340	Pn	Pn	21	18	47.3	+1.7
E28M	Babbage River	9.32	26	Pn	Pn	21	18	45.6	-0.1
E28M	Babbage River	9.32	26	P	P	21	18	45.7	-0.1
Q32M	Nakina River	9.44	92	Pn	Pn	21	18	47.7	+0.2
Q32M	Nakina River	9.44	92	P	P	21	18	47.6	-0.6
MMPY	Sheldon Lake,	9.46	69	Pn	Pn	21	18	47.6	-0.1
MMPY	Sheldon Lake,	9.46	69	P	P	21	18	47.7	-0.1
E29M	Blow River	9.53	30	Pn	Pn	21	18	49.0	+0.4
E29M	Blow River	9.53	30	P	P	21	18	48.7	+0.1
F30M	Barrier River	9.55	36	Pn	Pn	21	18	48.1	-0.8
F30M	Barrier River	9.55	36	P	P	21	18	48.9	0.0
D27M	Malcolm River	9.58	21	Pn	Pn	21	18	50.4	+1.1
D27M	Malcolm River	9.58	21	P	P	21	18	49.9	+0.6
G31M	Satah River	9.61	42	Pn	Pn	21	18	49.2	-0.4
G31M	Satah River	9.61	42	P	P	21	18	49.3	-0.4
C26K	Camden Bay	9.64	12	Pn	Pn	21	18	50.0	-0.1
C26K	Camden Bay	9.64	12	P	P	21	18	50.5	+0.4
B20K	Meade River	9.80	347	Pn	Pn	21	18	52.4	+0.1
B20K	Meade River	9.80	347	P	P	21	18	53.0	+0.7
B22K	Teshchepuk Lake	9.83	355	Pn	Pn	21	18	52.9	+0.3
B22K	Teshchepuk Lake	9.83	355	P	P	21	18	53.4	+0.7
C16K	Lisburne Hills	9.92	327	Pn	Pn	21	18	56.0	+2.1
R33M	Jennings River	9.95	88	Pn	Pn	21	18	54.7	+0.2
R33M	Jennings River	9.95	88	P	P	21	18	54.5	0.0
F31M	Tsigehtehc	10.08	40	Pn	Pn	21	18	55.1	-0.9
F31M	Tsigehtehc	10.08	40	P	P	21	18	55.1	-0.9
D28M	Stokes Point	10.08	25	Pn	Pn	21	18	57.5	+1.4
U33K	Whale Pass	10.26	108	Pn	Pn	21	18	58.1	-0.5
U33K	Whale Pass	10.26	108	P	P	21	18	57.9	-0.7
GAMB	Gambell	10.29	297	Pn	Pn	21	18	59.7	+0.8
S34M	Telegraph Cree	10.37	97	Pn	Pn	21	19	00.2	+0.2
S34M	Telegraph Cree	10.37	97	P	P	21	19	00.6	+0.6
AKUT	Akutan	10.39	238	Pn	Pn	21	19	01.2	+0.8
CRAG	Craig	10.63	111	Pn	Pn	21	19	03.1	-0.5
CRAG	Craig	10.63	111	P	P	21	19	03.1	-0.5
INK	Inuvik	10.66	36	Pn	Pn	21	19	03.4	-0.5
INK	Inuvik	10.66	36	P	P	21	19	03.3	-1.6
INK	Inuvik	10.66	36	P	P	21	19	02.3	-1.6
INK	comp=E,5.3nm,0.4s,baz=226,slow=16,SNR=20					21	21	06.4	+4.9
INK	comp=E,4.4nm,0.4s,baz=329,slow=7.1,SNR=2.2					21	23	24.4	
SPIA	Saint Paul Is	10.67	260	Pn	Pn	21	19	04.4	+0.2
DLBC	Dease Lake	10.71	93	Pn	Pn	21	19	05.3	+0.5
DLBC	Dease Lake	10.71	93	P	P	21	19	04.5	-0.3
DLBC	comp=E,4.0nm,0.8s,baz=279,slow=26,SNR=3.3					21	20	56.6	-6.6
DLBC	comp=E,4.3nm,0.6s,baz=118,slow=23,SNR=2.0					21	23	53.3	
UNV	Unalaska Valle	10.90	239	Pn	Pn	21	19	07.0	-0.3
UNV	Unalaska Valle	10.90	239	P	P	21	19	07.7	+0.3
T35M	Bob Quinn	11.20	100	Pn	Pn	21	19	13.1	+1.6
V35K	Ketchikan	11.41	109	Pn	Pn	21	19	14.5	+0.2
DIB	Dawson Inlet,	12.39	119	Pn	Pn	21	19	27.0	-0.6
C36M	Paulatuk	14.13	41	Pn	Pn	21	19	48.2	-3.0
BBB	Bella Bella	15.02	114	LR	LR	21	25	16.8	
ADK	Adak	16.77	250	Pn	Pn	21	20	24.1	-1.1
KIWB	Kanaga Island	17.01	251	Pn	Pn	21	20	28.9	+0.6
HILA	High Level	17.07	82	Pn	Pn	21	20	28.4	-0.4
YKA	Yellowknife Ar	17.16	68	Pn	Pn	21	20	29.6	-0.2
YKA	Yellowknife Ar	17.16	68	P	P	21	20	29.0	-0.9
YKA	comp=E,3.6nm,0.9s,baz=278,slow=9.7,SNR=8.8					21	25	10.8	-0.2
YKA	comp=E,0.7nm,0.5s,baz=352,slow=16,SNR=5.6					21	27	24.0	
B06A	Marblemount	20.61	113	P	P	21	21	08.9	+0.2
B06A	comp=E,1.85nm,19.1s,baz=44,slow=38					21	21	15.0	
SHEM	Shemya Is, Ala	20.67	263	LR	LR	21	28	47.4	
GNW	Green Mountain	20.72	117	P	P	21	21	10.6	+0.7
D05A	Enumclaw	21.38	116	P	P	21	21	19.0	+2.0
D05A	comp=Z,2.5nm,0.9s					21	21	22.9	
EDM	Edmonton	21.43	93	P	P	21	21	18.5	+0.9
EDM	comp=Z,20nm,0.7s					21	21	19.5	
B08A	Colville Reser	21.71	110	P	P	21	21	21.5	+0.9
L0N	Longmire	21.79	117	P	P	21	21	23.1	+1.6
LTY	Liberty	21.91	114	P	P	21	21	24.5	+1.7
F04A	Amboy	22.16	119	P	P	21	21	26.9	+1.6
F04A	comp=Z,20nm,0.9s					21	21	30.6	
E07A	Sunnyside	22.81	114	P	P	21	21	33.4	+1.0
NEW	Newport	22.81	108	P	P	21	21	33.5	+1.2
NEW	Newport	22.81	108	P	P	21	21	33.4	+1.1
NEW	comp=Z,3.9nm,0.7s					21	21	34.5	+2.1
NEW	comp=Z,6.9nm,0.7s,baz=309,slow=9.2,SNR=1.1					21	29	57.6	
D08A	William Farm	22.86	112	P	P	21	21	33.3	+0.5
E08A	Dider Farm, El	23.22	113	P	P	21	21	38.0	+1.6
F07A	Phinny Hill Vi	23.22	113	P	P	21	21	38.4	+1.4
F07A	comp=Z,2.4nm,0.7s					21	21	40.1	
RES	Resolute Bay	24.17	32	LR	LR	21	32	54.8	
G08A	Pilot Rock	24.18	115	P	P	21	21	46.2	+0.8
K02D	Williamette Mer	24.42	125	P	P	21	21	47.8	+1.5
F10A	Four Ranch, E	24.44	112	P	P	21	21	48.3	+1.2
PINE	Pineau	24.50	120	P	P	21	21	49.5	+1.0
PINE	comp=Z,1.7nm,1.0s					21	21	53.2	
J05D	Fort Rock, OR	24.79	121	P	P	21	21	51.8	+0.7
I07A	Izze	24.89	118	P	P	21	21	53.3	+1.4
I07A	comp=Z,1.2nm,1.0s					21	21	56.6	
L04D	Klamath Falls	25.22	124	P	P	21	21	54.6	-0.4
BMO	Blue Mountains	25.26	113	P	P	21	21	56.9	+1.6
F10A	Four Ranch, E	25.39	106	P	P	21	21	47.2	+1.2
M50	Missoula	25.34	106	P	P	21	21	56.9	+0.9
K05A	Summer Lake	25.39	121	P	P	21	21	57.6	+1.1
K05A	comp=Z,1.1nm,0.9s					21	22	00.4	
YBH	Yreka Blue Hor	25.46	125	P	P	21	21	58.6	+1.5
YBH	Yreka Blue Hor	25.46	125	P	P	21	21	59.1	+2.0
YBH	comp=Z,7.3nm,0.8s,baz=302,slow=3.1,SNR=18					21	30	01.4	
YBH	comp=Z,5.9nm,21.5s,baz=320,slow=32					21	30	01.4	
CHMT	Chamberlain Mo	25.61	105	P	P	21	21	59.3	+0.8
OVMT	Ovando	25.62	105	P	P	21	21	59.0	+0.5
EPMT	Black Pine Rid	25.62	105	P	P	21	21	59.3	+0.6
LYMT	Iron Mountain	26.03	104	P	P	21	22	03.4	+1.0
SEY	Seymchan	26.27	300	LR	LR	21	33	30.0	
EGMT	Eagleton	26.51	100	P	P	21	22	06.6	+0.1
EGMT	comp=Z,1.8nm,0.9s					21	22	08.6	
EGMT	Eagleton	26.51	100	P	P	21	22	06.9	+0.4
WVOR	Wild Horse Val	26.59	119	P	P	21	22	08.8	+1.5
LRM	Lime Ridge	26.79	106	P	P	21	22	08.3	+0.6
BOZ	Bozeman (W)	27.34	106	P	P	21	22	15.0	+1.0
BOZ	Bozeman (W)	27.34	106	P	P	21	22	14.9	+0.9
HLID	Hailey	27.58	112	P	P	21	22	17.6	+1.4
HLID	Hailey	27.58	112	P	P	21	22	16.6	+0.3
YHL	Hebgen Lake	28.11	106	P	P	21	22	21.6	+0.5
YHL	comp=Z,8.3nm,0.8s					21	22	23.8	
YHH	Holmes Hill	28.31	106	P	P	21	22	24.	

Azm351.4710°; N Plg5.8360°, Azm260.1650°; P Plg76.1020°, Azm145.7670°; IDC 17 22:33:41.5-1.5, 22:95N-124.48E, h0km, mb4.1/3, mbmp4.1/4, ML3.5/1 Error ellipse: s-maj=54.3km s-min=26.5km az=83.0

ISC 17 22:33:31.7±1.0, 23.74N±0.02, 122.52E±0.02, h11km±8km, n158, s0886/259, mb3.8/3, Taiwan region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time h m s, Res ISC, and various station codes like EOSA, EOS3, EOS2, etc.

Main table with columns: Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time h m s, Res ISC, and various station codes like NNS, WVDW, CHGB, etc.

Table with columns: Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time h m s, Res ISC, and various station codes like NMLH, WCKO, TPUB, etc.

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BJI	comp=Z,601µm,12.1s	LR	LR		
BJI	comp=Z,1036µm,12.9s	LR	LR		
TDK	Tailyqorghan bazz=324	20.05 324	↑P	P	22 38 52.8 +0.2
TDK	comp=Z,66µm,15.4s,baz=324		LR	LR	22 46 39.5
TDK	Tailyqorghan bazz=324	20.05 324	↑P	P	22 38 52.7 +0.2
TDK	comp=Z,66µm,15.0s		MLR	MLR	
CHKK	Chushkaly	20.07 319	eP	P	22 38 51.7 -1.2
CHKK	Chushkaly	20.07 319	eP	P	22 38 51.6 -1.2
KZA	Kyzart SNR=89	20.11 313	P	Pn	22 38 54.6 -0.8
ULN	Ulaanbaatar	20.24 24	P	P	22 38 54.2 -0.6
ULN	comp=Z,1µm,1.1s		IAMB	IAMB	22 39 10.8
ULN	Ulaanbaatar	20.24 24	IAMS_20	IAMS_20	22 47 20.9
ULN	Ulaanbaatar	20.24 24	P	P	22 38 54.0 -0.7
ULN	Ulaanbaatar	20.24 24	P	P	22 38 54.0 -0.7
ULN	Ulaanbaatar	20.24 24	S	S	22 42 38.3 -3.8
ULN	Ulaanbaatar	20.24 24	S	S	22 42 38.3 -3.8
ULN	Ulaanbaatar	20.24 24	S	S	22 42 38.3 -3.8
ULN	Ulaanbaatar	20.24 24	S	S	22 42 38.3 -3.8
ULN	Ulaanbaatar	20.24 24	↑P	P	22 38 53.9 -0.9
ULN	Ulaanbaatar	20.24 24	↑P	P	22 38 53.9 -0.9
ULN	comp=Z,940nm,1.7s		pmax	pmax	
ULN	comp=Z,546µm,18.0s		MLR	MLR	
TKM2	Tokmak 2 SNR=76	20.34 315	P	P	22 38 56.7 +0.6
KUR	Kurty	20.46 318	↑P	P	22 38 57.3 +0.1
KUU	comp=Z,565nm,1.3s,baz=318		eS	S	22 42 47.1 +0.6
KUU	baz=318		LR	LR	22 47 26.7
KUU	Kurty	20.46 318	↑P	P	22 38 57.2 +0.1
KUU	comp=Z,54µm,14.8s,baz=318		eS	S	22 42 47.0 +0.6
KUU	comp=Z,565nm,1.3s		pmax	pmax	
KUU	comp=Z,565nm,1.3s		MLR	MLR	
NJ2	comp=Z,54µm,15.0s		↑P	P	22 38 58.7 +0.9
NJ2	Nanjing	20.52 78	↑P	P	22 39 02.9 +1.4
NJ2			sP	S	22 39 04.4 +4.1
NJ2			S	S	22 42 43.5 -4.1
NJ2			sS	S	22 42 49.3 -2.2
NJ2	comp=Z,420nm,1.8s		pmax	pmax	
NJ2	comp=Z,25µm,5.7s		LR	LR	
NJ2	comp=Z,186µm,18.0s		LR	LR	
NJ2	comp=Z,186µm,18.0s		LR	LR	
KBK	comp=Z,876µm,12.8s		P	Pn	22 39 00.1 -1.0
KBK	Karagaybulak SNR=196	20.60 314	P	P	22 39 00.2 +0.5
UCH	Uchter SNR=114	20.65 312	P	P	22 39 00.4 +1.0
DGZ	Jazzator, Alta	20.67 346	↑P	P	22 39 00.4 +1.0
DGZ	comp=Z,163µm,20.0s		MLR	MLR	
AAK	Ala-Archa SNR=275	20.88 313	P	P	22 39 02.8 +1.0
AAK	Ala-Archa	20.88 313	P	P	22 39 01.9 +0.1
AAK	Ala-Archa	20.88 313	IAMB	IAMB	22 39 11.0
AAK	Ala-Archa SNR=863	20.88 313	iP	P	22 39 02.4 +0.6
AAK	Ala-Archa	20.88 313	P	Pn	22 39 03.4 -0.8
AAK	Ala-Archa	20.88 313	S	S	22 39 03.4 -0.8
AAK	Ala-Archa	20.88 313	S	S	22 42 57.9 -2.3
AAK	Ala-Archa	20.88 313	↑P	P	22 39 02.7 +1.0
AAK	Ala-Archa	20.88 313	P	P	22 39 01.9 +0.1
AAK	Ala-Archa	20.88 313	pmax	pmax	
AAK	comp=Z,823nm,1.0s		P	P	22 39 01.5 -0.3
AAK	Ala-Archa SNR=395	20.88 313	P	P	22 42 56.0 +1.1
AAK	comp=Z,133nm,0.8s,baz=130,slow=8.0,SNR=395		LR	LR	22 48 50.0
AAK	comp=Z,16nm,0.7s,baz=278,slow=6.7,SNR=1.0		LR	LR	
FRU1	Bishkek	20.88 314	P	P	22 39 02.1 +0.4
FRU1	comp=Z,1µm,0.9s		IAMB	IAMB	22 39 10.3
FRU1	Bishkek	20.88 314	P	P	22 39 02.1 +0.4
FRU1	comp=Z,1µm,0.9s		pmax	pmax	
FRU1	comp=Z,46µm,19.0s		MLR	MLR	
CHMS	Chumysh SNR=129	20.90 314	P	P	22 39 02.3 +0.4
SURA	Surathani	21.00 167	P	P	22 39 04.8 +1.7
AML	Almayashu SNR=146	21.14 311	P	P	22 39 05.5 +0.7
USP	Ospenovka	21.20 315	P	P	22 39 05.2 +0.1
SGDS	Sogindy	21.22 315	↑P	P	22 39 05.4 0.0
SGDS	comp=Z,697nm,2.2s,baz=316		eS	S	22 43 02.9 +1.2
SGDS	baz=316		eS	S	22 39 05.4 0.0
SGDS	Sogindy	21.22 315	↑P	P	22 43 02.8 +1.2
SGDS	comp=Z,697nm,2.2s		pmax	pmax	
ARSB	Arslanbob	21.25 309	P	P	22 39 05.4 -0.3
ARSB	Arslanbob	21.25 309	P	P	22 39 05.4 -0.3
ARSB	comp=Z,273nm,1.2s		pmax	pmax	
ARSB	comp=Z,273nm,1.2s		MLR	MLR	
EKS2	Erkin-Say SNR=86	21.34 313	P	P	22 39 07.7 +1.0
KNMB	Chin-men Tao	21.42 99	P	P	22 39 07.2 -0.4
ZAK	Zakamensk	21.44 94	eP	P	22 39 07.9 +0.2
ZAK	comp=Z,1µm,1.6s		pmax	pmax	
SRIT	Nakonsritamara	21.55 168	P	P	22 39 08.9 -0.1
SRIT	comp=Z,764nm,0.9s		IAMB	IAMB	22 39 17.5
MDRS	Chennai	21.61 223	eP	P	22 39 09.9 +0.3
DLV	T Lat	21.74 142	P	P	22 39 09.9 -1.3
DLV	T Lat	21.74 142	P	P	22 39 13.9 +2.7
DLV	T Lat	21.74 142	↑P	P	22 39 12.1 +0.9
MOY	Mondy	22.25 10	eP	P	22 39 17.0 +0.6
MOY	comp=Z,2µm,2.6s		pmax	pmax	
BTK	Batken	22.28 304	P	P	22 39 16.0 -0.8
BTK	Batken	22.28 304	P	P	22 39 16.0 -0.8
BTK	comp=Z,2µm,1.4s		pmax	pmax	
BTK	comp=Z,59µm,21.0s		MLR	MLR	
POO	Poona	22.35 245	eP	P	22 39 16.5 -1.1
POO	comp=Z,3µm,1.6s		IAMB	IAMB	22 39 33.8
BTLS	Baital	22.46 318	iP	P	22 39 18.0 -0.7
BTLS	comp=Z,404nm,1.5s,baz=318		eS	S	22 43 26.8 +1.2
BTLS	baz=318		eS	S	22 39 17.9 -0.7
BTLS	Baital	22.46 318	iP	P	22 43 26.7 +1.2
BTLS	comp=Z,404nm,1.5s		pmax	pmax	
SSE	Sheshan	22.54 80	P	P	22 39 19.9 +0.4
SSE	comp=Z,190nm,1.8s		S	S	22 43 27.5 +0.4
SSE	comp=Z,8µm,6.9s		pmax	pmax	
SSE	comp=Z,367µm,15.5s		LR	LR	
SSE	comp=Z,43µm,15.5s		LR	LR	
SSE	comp=Z,433µm,12.8s		LR	LR	
DZA	Taraz	23.04 311	eP	P	22 39 24.3 -0.4
DZA	comp=Z,981nm,2.0s,baz=311		eP	P	22 39 24.3 -0.4
DZA	Taraz	23.04 311	eP	P	22 39 24.3 -0.4

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DZA	comp=Z,981nm,2.0s		pmax	pmax	
IRK	Irkutsk	23.40 14	eP	P	22 39 28.3 0.0
IRK	comp=Z,5µm,2.7s		pmax	pmax	
IUG	luzhny	23.59 308	iP	P	22 39 30.6 +0.1
IUG	comp=Z,796nm,2.0s,baz=308		eS	S	22 43 45.6 +0.3
IUG	baz=308		eS	S	22 43 45.6 +0.3
IUG	luzhny	23.59 308	iP	P	22 39 30.6 +0.1
IUG	comp=Z,56µm,1.8s		eS	S	22 43 45.5 +0.3
IUG	comp=Z,796nm,2.0s		pmax	pmax	
BHUJ	Bhuj	23.63 260	eP	P	22 39 29.4 -1.4
BHUJ	comp=Z,1µm,1.3s		IAMB	IAMB	22 39 48.6
DL2	Dalian	23.65 60	P	P	22 39 30.4 +0.5
DL2	comp=Z,350nm,1.3s		S	S	22 43 47.1 -1.1
DL2	comp=Z,25µm,6.2s		pmax	pmax	
DL2	comp=Z,241µm,18.7s		LR	LR	
DL2	comp=Z,418µm,17.2s		LR	LR	
KK31	Karatay Array	23.67 311	P	P	22 39 30.1 -0.9
KK31	Karatay Array	23.67 311	P	P	22 39 30.2 -0.9
KK31	comp=Z,437nm,1.3s		pmax	pmax	
KKAR	Karatay Array	23.67 311	P	P	22 39 30.4 -0.7
KKAR	Karatay Array	23.67 311	P	P	22 39 30.1 -0.9
KKAR	comp=Z,434nm,1.3s		IAMB	IAMB	22 39 44.4
KKAR	Karatay Array	23.67 311	↑P	P	22 39 30.6 -0.5
KKAR	Karatay Array	23.67 311	P	P	22 39 30.4 -0.7
TPUB	Ta-pu	23.75 100	P	P	22 39 34.1 +2.1
TPUB	comp=Z,1µm,1.3s		IAMB	IAMB	22 39 56.7
TPUB	comp=Z,252µm,18.0s		IAMS_20	IAMS_20	22 49 32.9
SSLB	Suanguang	23.85 98	P	P	22 39 34.4 +1.4
SSLB	Suanguang	23.85 98	P	P	22 39 36.1 +3.1
YHNB	Yeheng	23.93 96	P	P	22 39 33.7 0.0
TATO	Taipei	23.93 95	P	P	22 39 35.2 +1.5
TATO	Taipei	23.93 95	P	P	22 39 36.7 +3.0
TATO	Taipei	23.93 95	P	P	22 39 28.5 -5.2
TATO	Taipei	23.93 95	P	P	22 39 28.5 -5.2
GALM	Salem	23.95 224	eP	P	22 39 33.6 -0.3
GOA	Goa	24.19 238	eP	P	22 39 44.5 -1.7
GOA	comp=Z,1µm,1.2s		IAMB	IAMB	22 39 42.4
KURBB	Kurchatov Arra	24.20 334	P	P	22 39 35.2 -0.7
KURBB	comp=Z,169nm,1.0s,baz=144,slow=9.9,SNR=324		PcP	PcP	22 43 15.9 -0.5
KURBB	comp=Z,14nm,0.7s,baz=149,slow=11,SNR=1.6		S	S	22 43 50.3 -4.1
KURBB	comp=Z,7.3nm,1.0s,baz=157,slow=24,SNR=1.3		LR	LR	22 50 28.6
KURBB	comp=Z,183µm,18.3s,baz=145,slow=340		P	P	22 12 48.5
KURBB	comp=Z,0.8nm,0.2s,baz=320,slow=5.4,SNR=2.8		PcP	PcP	23 13 41.0
KURBB	comp=Z,2.5nm,0.8s,baz=319,slow=4.3,SNR=5.7		P	P	
KURK	Kurchatov	24.23 334	P	P	22 39 35.5 -0.8
KURK	Kurchatov	24.23 334	P	P	22 39 35.8 -0.5
KURK	Kurchatov	24.23 334	↑P	P	22 44 01.7 +6.7
KURK	Kurchatov	24.23 334	↑P	P	22 39 35.7 -0.7
KURK	Kurchatov	24.23 334	↑P	P	22 39 35.6 -0.7
KURK	comp=Z,255nm,1.0s		pmax	pmax	
KURK	comp=Z,159µm,16.0s		MLR	MLR	
NACB	Ninganchiao	24.27 97	P	P	22 39 38.5 +1.5
NACB	Ninganchiao	24.27 97	P	P	22 39 38.9 +2.0
YULB	Yu-li	24.29 99	P	P	22 39 38.4 +1.4
YULB	Yu-li	24.29 99	P	P	22 39 39.0 +1.9
TWG	Pinglang	24.30 101	P	P	22 39 39.2 +2.0
TWG	comp=Z,274µm,18.0s		IAMS_20	IAMS_20	22 49 45.8
TWGBT	Beinan	24.31 101	P	P	22 39 39.8 +2.5
LHMI	Lhok Sumawe	24.54 175	P	P	22 39 39.4 +0.1
LHMI	Lhok Sumawe	24.54 175	P	P	22 39 40.1 +1.5
LHMI	Lhok Sumawe	24.54 175	P	P	22 39 40.0 +0.7
LHMI	comp=Z,1µm,1.2s,comp=Z,77µm,comp=Z,154µm		P	P	22 39 40.2 +0.8
LHMI	Lhok Sumawe	24.54 175	↑P	P	22 39 43.1 -0.3
KULM	Kulim	24.98 167	P	P	22 39 41.7 +6.7
KULM	Kulim	24.98 167	↑P	P	22 39 42.9 -0.4
KULM	Kulim	24.98 167	↑P	P	22 39 42.9 -0.4
MNGI	Mangalore	25.18 232	eP	P	22 39 43.8 -1.4
ZAAO	Zalesovo Beam				

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Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like DESE, KEV, PRAR, MTN, ARAO, etc.

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Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like SUW, COPA, ALN, EZN, etc.

17d 22h

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like SURR, MRWI, KKB, etc.

17d 22h

Table with columns for station name, frequency, and signal strength. Includes stations like KBS, KRS, TRIZ, KLIV, EVR, ANX, OKC, etc.

2017 NOV

Table with columns for station name, frequency, and signal strength. Includes stations like NKME, OSTC, VRAC, CEME, CHVC, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like A050A, BRG, BRG, BRG, etc.

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M15K	Kasigluk River	70.99	30	P	P	22 45 38.3 +1.3
WOL	Wolverton	71.00	319	eP	IAMS_20	22 45 36.7 -0.5
H20K	Antoleneega Mo	71.00	24	P	P	22 45 38.8 +1.7
D24K	Happy Valley	71.02	20	IAMB	IAMB	22 46 03.3
D24K	Happy Valley	71.02	20	P	P	22 45 39.0 +1.9
NEEM	North Greenlan	71.02	353	iP	P	22 45 40.3 +2.9
L16K	Owhat River	71.04	29	IAMB	IAMB	22 45 38.1 +0.8
L16K	Owhat River	71.04	29	P	P	22 45 40.1 +2.8
K17K	Iditarod	71.05	28	P	P	22 45 38.6 +1.2
K17K	Iditarod	71.05	28	P	P	22 45 39.3 +1.9
NEWG	New Galloway	71.06	323	eP	IAMS_20	22 45 38.3 +0.7
TOLK	Toolik Lake	71.08	20	IAMB	IAMB	22 45 37.7 +0.2
TOLK	Toolik Lake Re	71.08	20	P	P	22 45 39.6 +2.1
SWN1	Swindon	71.24	319	eP	IAMS_20	22 45 39.2 +0.5
J18K	Innok River	71.32	27	P	IAMB	22 45 39.7 +0.6
L17K	Donlin	71.33	28	P	P	22 45 41.2 +2.1
STRD	Stroud	71.34	319	eP	IAMS_20	22 45 38.9 -0.4
O14K	Tigyuvaivut M	71.39	32	P	IAMS_20	22 45 40.0 +0.5
E23K	Chandalar	71.39	21	P	P	22 45 41.8 +2.3
FOMA	Nahampoana Res	71.40	225	IAMB	IAMB	22 45 44.1
FOMA	Nahampoana Res	71.40	225	P	P	22 45 42.7 +2.7
FOMA	Nahampoana Res	71.40	225	S	S	22 45 59.6 +0.9
AKUT	AKUT	71.41	38	IAMB	IAMB	22 45 39.0 -0.7
G22K	Bettles	71.42	22	P	P	22 45 41.2 +1.7
HLM1	Long Mynd	71.43	320	eP	IAMS_20	22 45 39.5 -0.4
FOEL	Foel Wyifa	71.45	321	eP	IAMS_20	22 45 39.8 -0.3
SBD1	Bryn Du	71.48	321	eP	IAMS_20	22 45 50.5 +1.0
J19K	Poorman	71.48	26	P	IAMB	22 45 40.4 +0.4
M16K	Timber Creek	71.59	30	P	IAMS_20	22 45 41.4 +0.8
M16K	Timber Creek	71.59	30	P	P	22 45 42.4 +1.8
FLN	La Foliniere	71.61	316	eP	pmax	22 45 39.6 -1.4
IOMK	Kirk Michael	71.61	322	eP	IAMS_20	22 45 41.7 +0.8
D25K	Kavik River	71.63	19	P	P	22 45 40.6 -0.2
H21K	Melozitna Rive	71.65	24	P	IAMB	22 45 39.5 -1.5
H21K	Melozitna Rive	71.65	24	P	IAMS_20	22 45 42.6 +1.6
C26K	Camden Bay	71.68	18	P	P	22 45 43.0 +2.0
WIM	Isle of Man	71.71	322	eP	P	22 45 41.3 -0.2
MCH1	Michaelchurch	71.72	320	eP	IAMS_20	22 45 42.1 +0.6
E24K	Your Creek	71.73	21	P	P	22 45 43.3 +1.8
RJF	Les Rejaudoux	71.78	312	eP	pmax	22 45 41.4 -0.7
CKFL	Kef-Lekhel	71.78	302	P	P	22 45 46.0 +3.6
TTA	Tatalina	71.87	27	P	IAMB	22 45 42.2 -0.1
TTA	Tatalina	71.87	27	P	P	22 45 44.9 +2.5
TTA	Tatalina	71.87	27	P	P	22 45 44.1 +1.7
TTA	Tatalina	71.87	27	P	pmax	22 45 42.3 -0.1
N16K	Nishitk Lake	71.93	30	P	P	22 45 44.0 +1.2
J20K	Nowinta River	71.94	26	P	IAMB	22 45 42.4 -0.3
L18K	Granite Mounta	71.95	28	P	IAMB	22 45 43.6 +0.8
L18K	Granite Mounta	71.95	28	P	IAMS_20	22 45 53.1
L18K	Granite Mounta	71.95	28	P	IAMS_20	22 45 44.4 +1.6
GRR	Gorron	71.99	316	eP	pmax	22 45 41.9 -1.4
CASM	An Smara	72.00	302	P	P	22 45 42.5 -1.2
INKA	Innaminka	72.01	138	P	P	22 45 43.9 +0.4
H22K	Ishaitlita Cre	72.02	23	P	P	22 45 44.8 +1.6
G23K	Bananza Creek	72.02	22	P	P	22 45 43.9 +0.6
G23K	Bananza Creek	72.02	22	P	P	22 45 44.8 +1.5
EJON	La Jonquera	72.03	309	P	P	22 45 43.0 -0.7

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EJON	Tanana	72.05	29	S	S	22 55 04.6 -1.3
M17K	Holitna River	72.05	29	P	IAMB	22 45 44.0 +0.6
M17K	Holitna River	72.05	29	P	IAMS_20	22 45 54.2
M17K	Holitna River	72.05	29	P	IAMS_20	22 22 18.8
CLGH	Cloghs, Cushen	72.05	324	IAMS_20	IAMS_20	22 22 13.7
O15K	Ungalikthiuk R	72.08	318	P	P	22 45 44.7 +1.1
MTLF	Montolioe	72.12	310	UP	P	22 45 43.8 -0.4
MTLF	Montolioe	72.12	310	eP	pmax	22 45 42.8 -1.4
MAHO	Mahon	72.13	306	P	IAMB	22 45 44.0 -0.3
MAHO	Mahon	72.13	306	S	S	22 45 59.5
MAHO	Mahon	72.13	306	P	P	22 45 43.0 -1.2
I21K	Tanana	72.20	24	P	IAMB	22 45 44.9 +0.7
I21K	Tanana	72.20	24	P	IAMB	22 45 53.8
I21K	Squaw Lake	72.24	21	P	P	22 45 46.0 +1.8
F24K	Squaw Lake	72.24	21	P	P	22 45 45.2 +0.6
F24K	Squaw Lake	72.24	21	P	P	22 45 46.1 +1.5
MFF	Saint Martin d	72.30	314	UP	P	22 45 44.4 -0.8
MFF	Saint Martin d	72.30	314	eP	pmax	22 45 43.7 -1.5
K20K	Telida	72.40	26	P	IAMB	22 45 46.4 +0.9
K20K	Telida	72.40	26	P	IAMB	22 45 56.2
K20K	Telida	72.40	26	P	P	22 45 47.6 +2.1
LF	La Frestale	72.43	312	eP	pmax	22 45 45.1 -0.9
JSA	Saint Aubin	72.44	317	eP	IAMS_20	22 45 45.0 -0.9
JSA	Saint Aubin	72.44	317	UP	P	22 45 18.8
N17K	Nushagak Hills	72.44	317	UP	P	22 45 45.3 -0.6
N17K	Nushagak Hills	72.44	317	P	IAMB	22 45 47.7 +0.9
N17K	Nushagak Hills	72.44	317	P	IAMB	22 45 57.3
N17K	Nushagak Hills	72.44	317	P	IAMS_20	22 45 50.3
N17K	Nushagak Hills	72.44	317	P	P	22 45 48.4 +1.8
E25K	Arctic Village	72.59	20	P	IAMB	22 45 47.5 +0.9
E25K	Arctic Village	72.59	20	P	IAMB	22 45 56.9
E25K	Arctic Village	72.59	20	P	P	22 45 48.1 +1.5
O16K	Kokwok River B	72.66	31	P	IAMB	22 45 48.1 +1.1
O16K	Kokwok River B	72.66	31	P	IAMB	22 45 56.2
O16K	Kokwok River B	72.66	31	P	P	22 45 48.6 +1.5
LRCR	Leigh Creek	72.67	142	P	P	22 45 47.2 -0.3
M18K	Stony River	72.67	28	P	P	22 45 49.3 +2.1
H23K	Yukon River	72.69	23	P	P	22 45 48.4 +1.2
H23K	Yukon River	72.69	23	P	P	22 45 49.6 +2.4
L19K	White Mountain	72.71	27	P	IAMB	22 45 48.4 +1.0
L19K	White Mountain	72.71	27	P	IAMB	22 45 57.9
L19K	White Mountain	72.71	27	P	P	22 45 49.2 +1.8
RSBS	Rosebush, Pemb	72.71	320	eP	IAMS_20	22 45 47.0 -0.6
RSBS	Rosebush, Pemb	72.71	320	eP	IAMS_20	22 45 56.7
MLY	Manley	72.72	24	IAMB	IAMB	22 45 56.7
MLY	Manley	72.72	24	P	P	22 45 49.2 +1.8
CHUM	Lake Inuchumin	72.78	25	P	P	22 45 49.9 +2.1
SET	Setif	72.83	302	P	P	22 45 50.0 +1.3
G24K	Hadweenzic Riv	72.86	22	P	P	22 45 49.2 +1.1
G24K	Hadweenzic Riv	72.86	22	P	P	22 45 49.9 +1.7
F25K	Christian River	72.89	20	P	P	22 45 50.6 +2.1
L20K	Farewell, AK	72.94	27	P	P	22 45 50.7 +1.9
SVW2	Sparrevohn	72.98	29	P	IAMB	22 45 49.0 +0.1
SVW2	Sparrevohn	72.98	29	P	IAMB	22 45 58.6
SVW2	Sparrevohn	72.98	29	P	IAMS_20	22 22 03.8
SVW2	Sparrevohn	72.98	29	P	IAMS_20	22 45 51.4 +2.4
P16K	Nushagak Riv	72.98	31	P	P	22 45 51.6 +2.6
HTL	Hartland	72.99	319	eP	IAMS_20	22 45 49.8 +0.6
O17K	Koliganek Riv	73.01	30	P	P	22 45 51.6 +2.5
DSB	Dublin	73.02	322	P	P	22 45 49.7 +0.3
DSB	Dublin	73.02	322	S	S	22 45 12.9 -3.8
SUMG	Summit	73.04	347	IAMB	IAMB	22 46 04.7
SUMG	Summit	73.04	347	P	IAMS_20	22 23 49.0
SUMG	Summit	73.04	347	P	IAMS_20	22 45 49.0 -0.7
SUMG	Summit	73.04	347	UP	S	22 55 15.1 -2.1
SUMG	Summit	73.04	347	UP	P	22 45 49.0 -0.7
SUMG	Summit	73.04	347	iP	P	22 45 51.2 +1.6
SUMG	Summit	73.04	347	iP	IAMB	22 46 04.9
M19K	Big River Lodg	73.04	28	IAMB	IAMB	22 46 00.1
M19K	Big River Lodg	73.04	28	P	IAMS_20	22 19 13.9
M19K	Big River Lodg	73.04	28	P	P	22 45 51.4 +2.1
N18K	Kilae Creek	73.06	29	P	IAMS_20	22 45 50.2 +0.7
N18K	Kilae Creek	73.06	29	P	IAMS_20	22 45 54.2
N18K	Kilae Creek	73.06	29	P	P	22 45 52.5 +3.0
SGMF	Saint Gilles	73.07	316	eP	pmax	22 45 48.8 -0.9
SGMF	Saint Gilles	73.07	316	eP	pmax	22 45 48.8 -0.9
KSMZ	Kasama	73.12	247	UP	P	22 45 49.2 -1.5
KSMZ	Kasama	73.12	247	iP	P	22 45 50.1 -3.8
KSMZ	Kasama	73.12	247	UP	P	22 45 50.9 -4.2
CAST	Castle Rocks	73.12	26	P	IAMB	22 45 50.8 +0.7
CAST	Castle Rocks	73.12	26	P	IAMB	22 46 02.9
CAST	Castle Rocks	73.12	26	P	IAMS_20	22 20 11.1
CAST	Castle Rocks	73.12	26	P	P	22 45 51.5 +1.7
I23K	Minto, Yukon-K	73.14	23	P	IAMB	22 45 50.8 +1.0
I23K	Minto, Yukon-K	73.14	23	P	IAMB	22 46 00.1
BP3W	Bear Paw Mtn.	73.15	25	IAMB	IAMB	22 45 51.9 +2.1
BP3W	Bear Paw Mtn.	73.15	25	P	P	22 45 58.9
BP3W	Bear Paw Mtn.	73.15	25	P	P	22 45 51.5 +1.5
D27M	Malcolm River	73.18	18	IAMS_20	IAMS_20	22 22 45.6
D27M	Malcolm River	73.18	18	P	P	22 45 52.0 +1.9
ETOS	Malfora	73.20	306	P	S	22 45 50.4 -0.3
ETOS	Malfora	73.20	306	S	S	22 55 19.6 +0.4
H24K	Noodor Dome	73.24	23	P	P	22 45 51.2 +0.7
H24K	Noodor Dome	73.24	23	P	P	22 45 52.3 +0.8
QLP	Quilpie	73.24	135	P	P	22 45 51.7 +0.8
QLP	Quilpie	73.24	135	UP	P	22 45 51.2 +0.4
G25K	Bearman Lake	73.25	21	P	P	22 45 53.5 +3.1
F26K	Sheenjek River	73.28	20	P	P	22 45 52.6 +1.9
PPLA	Purkeypile	73.37	26	P	P	22 45 53.1 +1.7
TULEG	Thule	73.40	356	P	P	22 45 50.2 -1.0

17d 22h

TULEG	Thule	73.40	356	iP	P	22 45 52.7 +1.5
TULEG	Thule	73.40	356	P		

TORD	S	SKSac	22 57 28.8	-1.5
comp=Z:0.7nm,0.8s,baz=48,slow=4.2,SNR=1.9				
TORD	LR	LR	23 31 01.4	
comp=Z:7.8um,18.8s,baz=66,slow=39				
H02S1	P	P	22 47 04.9	+1.3
HILA	P	P	22 47 09.3	-0.1
BOSA	P	P	22 47 09.9	-2.2
BOSA	IAMS_20	IAMS_20	23 23 59.3	
comp=Z:3.7um,20.0s				
BOSA	P	P	22 47 10.5	-1.6
BOSA	P	P	22 47 15.7	+0.4
BOSA	P	P	22 47 10.2	-1.9
comp=Z:2.0nm,1.0s,baz=61,slow=4.8,SNR=2.0				
BOSA	S	SKSac	22 57 41.6	-0.1
comp=Z:2.1nm,1.0s,baz=38,slow=5.2,SNR=1.3				
BOSA	LR	LR	23 24 21.1	
comp=Z:3.5um,20.2s,baz=59,slow=34				
HG4B	P	P	88 76 26	IAMS_20 IAMS_20 23 28 49.5
comp=Z:2.0nm,1.0s				
PMPS1	P	P	89 84 309	eP 22 47 19.1 +0.3
comp=Z:2.95nm,1.6s				
BBB	P	P	90 00 25	IAMS_20 IAMS_20 23 30 29.3
BBB	S	SKSac	22 57 51.0	+0.6
comp=Z:9.4nm,0.9s,baz=328,slow=13,SNR=1.2				
BBB	LR	LR	23 30 40.6	
GRHM	P	P	90 33 231	IAMS_20 IAMS_20 23 25 46.3
comp=Z:3.2um,19.0s				
PMAR	P	P	90 45 309	eP 22 47 22.0 +0.2
comp=Z:4.19nm,1.8s				
PMAR	P	P	90 45 309	ePP 22 50 56.7 +1.0
FUL	P	P	90 48 309	ePP 22 50 59.0 +3.3
PMOZ	P	P	90 58 309	eP 22 47 25.8 +3.4
PMOZ	S	S	22 58 18.8	+0.1
PMOZ	eS	eS	23 21 31.2	
comp=Z:8um,18.0s				
WIN	P	P	91 23 245	P 22 47 24.3 -1.2
WIN	P	P	91 23 245	P 22 47 24.3 -1.2
comp=Z:5.2nm,1.1s				
WIN	MLR	MLR		
comp=Z:7.8um,21.0s				
HOLB	P	P	91 24 26	IAMS_20 IAMS_20 23 30 12.1
comp=Z:5um,21.0s				
BRLDA	P	P	91 83 18	IAMS_20 IAMS_20 23 35 30.9
comp=Z:4.3um,18.0s				
YSA	P	P	91 88 108	P 22 47 30.5 +2.1
BART	P	P	92 56 317	eP 22 47 33.7 +2.3
comp=Z:3.8nm,1.9s				
CBB	P	P	92 76 25	IAMS_20 IAMS_20 23 34 40.3
comp=Z:3.3um,19.0s				
CMLA	P	P	92 78 317	eP 22 47 32.3 -0.1
comp=Z:2.52nm,1.8s				
MSVF	P	P	92 79 109	P 22 47 35.7 +3.0
MSVF	P	P	92 79 109	P 22 47 34.6 +1.9
comp=Z:7.2nm,0.9s,baz=233,slow=4.8,SNR=5.0				
MSVF	LR	LR	23 25 32.4	
PSET	P	P	92 86 317	eP 22 47 34.1 +1.4
comp=Z:1.1um,21.9s,baz=296,slow=33				
PSMN	P	P	93 01 316	eP 22 47 32.8 -0.6
comp=Z:2.76nm,1.7s				
PSMA	P	P	93 05 316	eP 22 47 33.5 -0.1
comp=Z:5.54nm,1.6s				
PSBA	P	P	93 16 319	eP 22 47 32.8 -1.3
comp=Z:5.24nm,1.7s				
EDM	P	P	93 67 17	P 22 47 36.2 0.0
EDM	P	P	93 67 17	P 22 47 36.2 0.0
comp=Z:2.79nm,1.5s				
EDM	pmx	pmx		
comp=Z:2.51nm,1.3s				
EDM	MLR	MLR		
comp=Z:6.8um,18.0s				
SUR	P	P	93 69 235	IAMS_20 IAMS_20 23 27 45.2
comp=Z:4.8um,19.0s				
SUR	P	P	93 69 235	P 22 47 35.7 -0.9
SUR	P	P	93 69 235	P 22 47 43.2
comp=Z:5.1um,21.3s,baz=34				
TAVE	P	P	93 97 107	P 22 47 39.3 +1.3
PCAN	P	P	94 03 319	eP 22 47 39.1 +1.0
comp=Z:3.41nm,1.9s				
PCED	P	P	94 04 319	eP 22 47 40.2 +2.1
comp=Z:2.56nm,2.0s				
CLRS	P	P	94 22 25	IAMS_20 IAMS_20 23 34 36.8
comp=Z:5.5um,18.0s				
SCHO	P	P	94 25 350	P 22 47 38.1 -0.6
comp=Z:1.02nm,1.0s				
SCHO	Iamb	Iamb	22 47 45.8	
comp=Z:2.8nm,1.0s,baz=14,slow=5.9,SNR=9.2				
SCHO	LR	LR	23 36 05.6	
comp=Z:2.2um,19.1s,baz=4.0,slow=39				
SCHO	LR	LR		
comp=Z:2.8nm,1.0s				
FFC	P	P	94 51 10	P 22 47 38.8 -1.2
FFC	P	P	94 51 10	IAMS_20 IAMS_20 23 33 02.4
comp=Z:4.9um,18.0s				
FFC	P	P	94 51 10	P 22 47 38.8 -1.2
comp=Z:6.7nm,1.0s				
FFC	MLR	MLR		
comp=Z:4.9um,18.0s				
C03A	P	P	94 79 25	IAMS_20 IAMS_20 23 35 34.9
comp=Z:5.2um,18.0s				
B04A	P	P	95 09 25	IAMS_20 IAMS_20 23 35 02.8
comp=Z:4.5um,19.0s				
DBIC	P	P	95 25 281	P 22 47 41.7 -2.4
DBIC	P	P	95 25 281	P 22 47 41.7 -2.4
comp=Z:6.1um,19.0s				
DBIC	P	P	95 25 281	eP 22 47 47.5 +3.4
DBIC	P	P	95 25 281	P 22 47 42.7 -1.3
comp=Z:1.7nm,0.9s,baz=45,slow=6.0,SNR=8.6				
DBIC	PP	PP	22 51 38.5	+4.4
comp=Z:1.6nm,1.0s,baz=60,slow=10.0,SNR=3.9				
DBIC	S	SKSac	22 58 16.8	-4.2
comp=Z:1.8nm,0.9s,baz=119,slow=13.0,SNR=1.3				
DBIC	LR	LR	23 34 35.3	
comp=Z:6.0um,19.8s,baz=48,slow=38				
KIC	P	P	95 31 280	ePKP2 22 47 47.5 +3.1
comp=Z:1.7nm,0.9s				
TIC	P	P	95 41 281	ePKP2 22 47 47.8 +3.0
comp=Z:7.8nm,1.1s				
B06A	P	P	95 42 23	P 22 47 43.9 -0.2
B06A	P	P	95 42 23	IAMS_20 IAMS_20 23 34 55.3
comp=Z:3.7nm,0.9s				
LIC	P	P	95 63 280	ePKP2 22 47 48.7 +2.9
comp=Z:5.7um,19.0s				
GNW	P	P	95 75 25	IAMS_20 IAMS_20 23 35 34.3
comp=Z:2.1nm,0.8s				
WISH	P	P	95 78 25	IAMS_20 IAMS_20 23 36 26.1
comp=Z:4.9um,20.0s				
B08A	P	P	96 28 22	IAMS_20 IAMS_20 23 35 04.0
comp=Z:5um,19.0s				
RADR	P	P	96 35 26	IAMS_20 IAMS_20 23 36 57.2
comp=Z:3.9um,18.0s				
D05A	P	P	96 37 24	P 22 47 47.3 -1.3
D05A	Iamb	Iamb	22 47 58.5	
comp=Z:9.2nm,1.4s				
D05A	P	P	96 37 24	IAMS_20 IAMS_20 23 36 02.7
comp=Z:4.2um,19.0s				
CASY	P	P	96 54 174	P 22 47 46.9 -1.6
LTY	P	P	96 78 24	P 22 47 49.3 -1.2
LTY	P	P	96 78 24	IAMS_20 IAMS_20 23 34 05.5
comp=Z:4.7um,22.0s				
LOH	P	P	96 81 25	IAMS_20 IAMS_20 23 33 24.2
comp=Z:4.4um,21.0s				
F04D	P	P	96 93 26	IAMS_20 IAMS_20 23 32 17.6
comp=Z:3.9um,22.0s				
NEW	P	P	97 07 21	P 22 47 51.7 -0.1
NEW	P	P	97 07 21	P 22 47 54.7 +2.8
comp=Z:3.3um,22.0s				
NEW	P	P	97 07 21	P 22 47 52.5 +0.6
comp=Z:5.8nm,1.0s,baz=16,slow=10.0,SNR=3.1				
NEW	S	SKSac	22 48 26.5	-3.0
comp=Z:0.9nm,0.4s,baz=333,slow=5.1,SNR=1.5				
NEW	LR	LR	23 35 45.3	
comp=Z:7.2um,19.3s,baz=325,slow=38				
C09A	P	P	97 11 22	P 22 47 52.4 +0.3
C09A	Iamb	Iamb	22 48 02.1	
comp=Z:5.8nm,1.0s				
C09A	P	P	97 11 22	IAMS_20 IAMS_20 23 35 34.1
comp=Z:5.7nm,1.1s				
F04A	P	P	97 28 25	IAMS_20 IAMS_20 23 37 33.8
comp=Z:5.1um,19.0s				
comp=Z:3.5um,20.0s				

HEBO	P	P	97 38 27	IAMS_20 IAMS_20 23 33 48.5
comp=Z:4.7um,20.0s				
DRLN	P	P	97 55 342	IAMS_20 IAMS_20 23 34 50.9
comp=Z:5.3um,22.0s				
D08A	P	P	97 55 23	IAMS_20 IAMS_20 23 34 22.7
comp=Z:4.2um,22.0s				
G03D	P	P	97 57 26	IAMS_20 IAMS_20 23 34 06.5
comp=Z:4.9um,20.0s				
E07A	P	P	97 66 23	P 22 47 53.5 -0.9
E07A	P	P	97 66 23	IAMS_20 IAMS_20 23 35 19.8
comp=Z:3.3um,21.0s				
HAWA	P	P	97 92 23	IAMS_20 IAMS_20 23 35 01.7
comp=Z:3.4um,22.0s				
E08A	P	P	98 00 23	IAMS_20 IAMS_20 23 36 31.5
comp=Z:3.5um,19.0s				
COR	P	P	98 08 27	IAMS_20 IAMS_20 23 33 33.0
comp=Z:3.6um,21.0s				
HOOD	P	P	98 08 25	IAMS_20 IAMS_20 23 37 11.0
comp=Z:3.5um,20.0s				
F07A	P	P	98 21 24	IAMS_20 IAMS_20 23 35 01.3
comp=Z:5.1um,21.0s				
G05A	P	P	98 27 25	IAMS_20 IAMS_20 23 37 54.1
comp=Z:3.0um,19.0s				
E09A	P	P	98 28 22	IAMS_20 IAMS_20 23 37 00.7
comp=Z:4.2um,18.0s				
H04A	P	P	98 42 26	IAMS_20 IAMS_20 23 34 37.1
comp=Z:3.0um,20.0s				
BUCK	P	P	98 53 27	IAMS_20 IAMS_20 23 33 46.9
comp=Z:2.9um,20.0s				
G06A	P	P	98 53 25	IAMS_20 IAMS_20 23 36 29.8
comp=Z:3.3um,20.0s				
I03D	P	P	98 80 27	IAMS_20 IAMS_20 23 33 17.3
comp=Z:2.9um,22.0s				
I05D	P	P	99 04 26	IAMS_20 IAMS_20 23 38 30.3
comp=Z:3.6um,18.0s				
F10A	P	P	99 06 22	P 22 48 00.4 -0.4
F10A	P	P	99 06 22	IAMS_20 IAMS_20 23 35 27.0
comp=Z:5.5um,22.0s				
G08A	P	P	99 08 24	IAMS_20 IAMS_20 23 35 38.2
comp=Z:3.8um,20.0s				
KEBM	P	P	99 09 28	IAMS_20 IAMS_20 23 34 12.1
comp=Z:3.0um,20.0s				
MSO	P	P	99 32 20	P 22 48 00.1 -1.9
DBO	P	P	99 33 27	IAMS_20 IAMS_20 23 35 23.2
comp=Z:2.1um,22.0s				
PINE	P	P	99 65 26	IAMS_20 IAMS_20 23 35 36.6
comp=Z:3.2um,20.0s				
ULM	P	P	99 68 7	IAMS_20 IAMS_20 23 35 26.9
comp=Z:4.8um,19.0s				
ULM	P	P	99 68 7	P 22 48 02.2 -1.1
ULM	P	P	99 68 7	S 22 58 34.0 -8.5
comp=Z:3.5nm,1.0s,baz=332,slow=12,SNR=1.8				
ULM	LR	LR	23 35 47.6	
comp=Z:4.8um,19.2s,baz=352,slow=37				
KBO	P	P	99 69 29	IAMS_20 IAMS_20 23 40 16.8
comp=Z:3.3um,0.8s				
I07A	P	P	99 93 25	IAMS_20 IAMS_20 23 35 57.9
comp=Z:2.6um,18.0s				
BMO	P	P	100 02 23	IAMS_20 IAMS_20 23 35 39.4
comp=Z:4.8um,21.0s				
L02F	P	P	100 03 28	IAMS_20 IAMS_20 23 34 19.9
comp=Z:4.5um,22.0s				
MAW	P	P	100 10 192	P 22 48 03.1 -1.4
comp=Z:2.6nm,1.1s,baz=41,slow=9.5,SNR=2.9				
MAW	S	SKSac	22 58 44.4	+1.3
comp=Z:1.2nm,0.9s,baz=38,slow=9.5,SNR=0.9				
MAW	S	SKSac	23 04 22.0	-3.0
comp=Z:4.3nm,0.9s,baz=344,slow=9.2,SNR=2.5				
KSXB	P	P	100 15 29	IAMS_20 IAMS_20 23 32 54.0
comp=Z:3.3um,22.0s				
DGMT	P	P	100 16 13	IAMS_20 IAMS_20 23 39 02.2
comp=Z:5.0um,18.0s				
K04D	P	P	100 33 27	IAMS_20 IAMS_20 23 38 57.8
comp=Z:2.9um,21.0s				
KRMB	P	P	100 39 29	IAMS_20 IAMS_20 23 33 09.4
comp=Z:2.4um,21.0s				
K05A	P	P	100 58 26	IAMS_20 IAMS_20 23 39 35.2
comp=Z:3.5um,19.0s				
KRPM	P	P	100 64 29	IAMS_20 IAMS_20 23 40 56.2
comp=Z:2.2um,18.0s				
YBH	P	P	100 71 28	IAMS_20 IAMS_20 23 35 14.8
comp=Z:3.3um,20.0s				
YBH	P	P	100 71 28	P 22 48 05.7 -2.5
comp=Z:0.7nm,0.6s,baz=334,slow=4.9,SNR=1.1				
YBH	PP	PP	22 52 13.4	-1.1
comp=Z:5.4nm,1.0s,baz=272,slow=2.9,SNR=6.1				
RPZ	P	P	100 86 134	PP 22 52 12.0 -4.9
comp=Z:1.5nm,1.0s,baz=338,slow=11,SNR=3.1				
JCC	P	P	100 92 29	IAMS_20 IAMS_20 23 34 52.6
comp=Z:2.3um,19.0s				
J08A	P	P	100 93 24	IAMS_20 IAMS_20 23 36 49.3
comp=Z:3.2um,20.0s				
KHMM	P	P	101 00 29	IAMS_20 IAMS_20 23 35 05.7
comp=Z:2.0um,18.0s				
MBO	P	P	101 15 294	IAMS_20 IAMS_20 23 39 47.7
comp=Z:4.0um,20.0s				
KMPM	P	P	101 22 29	IAMS_20 IAMS_20 23 34 49.4
comp=Z:3.7um,20.0s				
LAO	P	P	101 44 15	IAMS_20 IAMS_20 23 39 57.1
comp=Z:4.9um,18.0s				
KMRM	P	P	101 55 29	IAMS_20 IAMS_20 23 35 11.8
comp=Z:3.7um,20.0s				
AGMN	P	P	101 61 7	IAMS_20 IAMS_20 23 36 55.1
comp=Z:4.3um,19.0s				
WVOR	P	P	101 68 25	IAMS_20 IAMS_20 23 36 50.3
comp=Z:4.0um,20.0s				
B35A	P	P	101 76 6	IAMS_20 IAMS_20 23 36 20.9
comp=Z:4.2um,20.0s				
MFID	P	P	101 79 22	IAMS_20 IAMS_20 23 36 43.1
comp=Z:4.2um,22.0s				
LMQ	P	P	101 86 350	IAMS_20 IAMS_20 23 36 51.9
comp=Z:4.0um,20.0s				
KCPM	P	P	102 05 30	IAMS_20 IAMS_20 23 35 12.5
comp=Z:3.4um,20.0s				
D62A	P	P	102 11 349	IAMS_20 IAMS_20 23 39 31.6
comp=Z:3.1um,20.0s				
URZ	P	P	102 16 127	P 22 48 17.0 +2.

J47A	Summer	107.28	360	IAMS_20	IAMS_20	23 40 03.8
QUA2	Belchertown	107.31	350	IAMS_20	IAMS_20	23 45 01.2
Q16A	Castle Hill	107.36	21	IAMS_20	IAMS_20	23 43 02.0
TPNV	Topopah Spring	107.36	26	IAMS_20	IAMS_20	23 40 30.7
K57A	Scipio Center	107.38	354	IAMS_20	IAMS_20	23 38 49.0
SRU	San Rafael Swe	107.38	21	IAMS_20	IAMS_20	23 42 39.7
PRN	Pahroc Range	107.40	25	IAMS_20	IAMS_20	23 39 33.7
L64A	Middleborough	107.41	349	IAMS_20	IAMS_20	23 40 21.8
JFWS	Jewell Farm	107.44	4	IAMS_20	IAMS_20	23 39 25.3
MMNY	Mt. Morrill Dam	107.50	355	IAMS_20	IAMS_20	23 38 48.3
BRWV	Bryant College	107.54	350	IAMS_20	IAMS_20	23 41 41.3
ISA	Isabella, Lake	107.61	28	IAMS_20	IAMS_20	23 45 51.4
BRIGG	Briggsdale	107.67	15	IAMS_20	IAMS_20	23 41 48.8
K50A	Casco	107.72	358	IAMS_20	IAMS_20	23 39 49.1
M65A	Busby, Falout	107.74	349	IAMS_20	IAMS_20	23 40 44.6
K43A	Burlington	107.75	3	IAMS_20	IAMS_20	23 38 42.2
L59A	Walton	107.75	352	IAMS_20	IAMS_20	23 39 15.0
UCCT	U. Connecticut	107.77	350	IAMS_20	IAMS_20	23 40 49.3
L34A	Svensson Farm	107.78	9	IAMS_20	IAMS_20	23 40 19.3
MTPU	Mount Pierson	107.83	22	IAMS_20	IAMS_20	23 44 18.7
BCW	Bitter Cr.	107.83	29	IAMS_20	IAMS_20	23 41 29.5
BINY	Binghamton	107.85	353	IAMS_20	IAMS_20	23 40 17.7
GWY	Greenwater Val	107.87	27	IAMS_20	IAMS_20	23 37 55.2
CCUT	Cedar City	107.87	23	IAMS_20	IAMS_20	23 41 10.0
WVNY	West Valley, N	107.88	355	IAMS_20	IAMS_20	23 39 09.4
SZCU	Shurtz Canyon	107.93	23	IAMS_20	IAMS_20	23 41 23.4
QSM	Queen of Sheba	107.99	27	IAMS_20	IAMS_20	23 45 38.3
K3CT	Kent Schick K	108.01	351	IAMS_20	IAMS_20	23 43 29.8
L56A	Greenwood	108.06	354	IAMS_20	IAMS_20	23 39 17.2
M63A	Gales Ferry	108.12	350	IAMS_20	IAMS_20	23 41 13.7
AAM	Ann Arbor	108.21	359	IAMS_20	IAMS_20	23 44 38.5
CCAC	Calif City Air	108.23	28	IAMS_20	IAMS_20	23 45 40.0
ERPA	Erie	108.26	356	IAMS_20	IAMS_20	23 40 10.6
L44A	Lake County Fo	108.29	2	IAMS_20	IAMS_20	23 39 09.5
PKCU	Pink Cliffs	108.33	23	IAMS_20	IAMS_20	23 43 38.9
YLE	Yale	108.34	351	IAMS_20	IAMS_20	23 41 03.5
HMU	Henry Mountain	108.39	21	IAMS_20	IAMS_20	23 41 56.4
KSPA	Keystone Colle	108.46	353	IAMS_20	IAMS_20	23 39 34.7
L46A	Cue Claire	108.50	1	IAMS_20	IAMS_20	23 41 17.9
WSPT	Westport, CT	108.54	351	IAMS_20	IAMS_20	23 43 52.7
KNB	Kanal	108.54	23	IAMS_20	IAMS_20	23 41 41.6
L48A	N Adams	108.58	360	IAMS_20	IAMS_20	23 43 03.9
GSC	Goldstone, Bar	108.59	27	IAMS_20	IAMS_20	23 45 37.3
HQIL	Hanson Quarry C	108.67	2	IAMS_20	IAMS_20	23 39 21.6
TRNY	Table Rock, Ra	108.68	351	IAMS_20	IAMS_20	23 45 38.6
PAL	Palisades	108.78	351	IAMS_20	IAMS_20	23 44 02.1
ODNJ	Ogdensburg	108.79	352	IAMS_20	IAMS_20	23 39 48.5
M57A	Sunshine Farm	108.82	354	IAMS_20	IAMS_20	23 41 52.1
M55A	Ridgway	108.82	355	IAMS_20	IAMS_20	23 39 38.4
N35A	Tabor	108.96	9	IAMS_20	IAMS_20	23 41 43.6
V12A	Nelson	108.97	25	IAMS_20	IAMS_20	23 41 04.2
CPNY	Central Park	109.00	351	IAMS_20	IAMS_20	23 44 17.9
PASC	Pasadena Art C	109.01	29	IAMS_20	IAMS_20	23 40 16.6
M44A	Midewin, Midew	109.08	2	IAMS_20	IAMS_20	23 39 33.2
M50A	Fremont	109.10	358	IAMS_20	IAMS_20	23 40 42.7
BRNJ	Basking Ridge	109.18	352	IAMS_20	IAMS_20	23 40 11.8
SNCO	San Nicolas Is	109.23	30	IAMS_20	IAMS_20	23 38 18.5
U15A	North Rim	109.25	23	IAMS_20	IAMS_20	23 44 11.5
N58A	Sunbury	109.27	353	IAMS_20	IAMS_20	23 39 59.1
N38A	Jobs South For	109.31	7	IAMS_20	IAMS_20	23 40 58.6
LUPA	Lehigh Unvers	109.36	352	IAMS_20	IAMS_20	23 40 13.6
N51A	Ashland	109.56	358	IAMS_20	IAMS_20	23 40 57.0
SSPA	Standing Stone	109.58	354	IAMS_20	IAMS_20	23 40 14.4
N49A	Alum Creek Sta	109.60	359	IAMS_20	IAMS_20	23 41 25.9
N47A	Urbana	109.64	1	IAMS_20	IAMS_20	23 41 01.1
ELS	Elsinore Mount	109.78	28	IAMS_20	IAMS_20	23 44 58.9
W13A	Hualapai Mount	109.88	25	IAMS_20	IAMS_20	23 40 59.3
WUPA	West Chester U	110.05	352	IAMS_20	IAMS_20	23 45 07.7
MVL	Millersville	110.06	353	IAMS_20	IAMS_20	23 45 52.1
SFIN	Lafayette	110.11	2	IAMS_20	IAMS_20	23 45 42.7
PFO	Pinyon Flats O	110.20	28	IAMS_20	IAMS_20	23 41 47.2
P61A	Hampton	110.20	352	IAMS_20	IAMS_20	23 40 52.8
PMD	Palm Desert	110.20	28	IAMS_20	IAMS_20	23 41 49.2
Q48B	Farmland	110.26	0	IAMS_20	IAMS_20	23 46 16.8
ACSO	Alum Creek Sta	110.27	358	IAMS_20	IAMS_20	23 41 27.8
Q44A	Mansfield	110.29	3	IAMS_20	IAMS_20	23 40 20.4
CBKS	Cedar Bluff	110.32	12	IAMS_20	IAMS_20	23 43 00.0
Q49A	Covington	110.33	360	IAMS_20	IAMS_20	23 41 57.3
O52A	Adamsville	110.34	357	IAMS_20	IAMS_20	23 41 21.7
WUAZ	Wupatki	110.39	23	IAMS_20	IAMS_20	23 45 50.7
109C	Camp Elliot, M	110.57	29	IAMS_20	IAMS_20	23 45 33.9
SDDM	Soldier's Del	110.70	353	IAMS_20	IAMS_20	23 40 52.9
P57A	Homestead Farm	110.73	354	IAMS_20	IAMS_20	23 40 50.9
ASCN	Ascension	110.74	273	IAMS_20	IAMS_20	23 41 34.7

P52A	Corning	110.84	358	IAMS_20	IAMS_20	23 41 45.7
BLVC	Blythe	110.84	26	IAMS_20	IAMS_20	23 45 21.9
P46A	Rosedale	110.87	2	IAMS_20	IAMS_20	23 48 37.7
R32A	Long Quarter,	110.89	12	IAMS_20	IAMS_20	23 43 03.7
TJX	Tijuana	110.92	29	IAMS_20	IAMS_20	23 45 45.1
BAR	Barrett	110.93	28	IAMS_20	IAMS_20	23 46 26.4
P51A	Williamsport	111.02	358	IAMS_20	IAMS_20	23 41 51.5
TKX	Teocate	111.05	28	IAMS_20	IAMS_20	23 46 29.7
P48A	Milroy	111.06	0	IAMS_20	IAMS_20	23 42 36.6
RMX	Rumososa	111.24	28	IAMS_20	IAMS_20	23 42 35.2
Y14A	Wickenburg	111.24	25	IAMS_20	IAMS_20	23 42 32.3
YUH	Yuh Desert	111.26	28	IAMS_20	IAMS_20	23 41 13.2
Q56A	Snyder Ridge,	111.27	355	IAMS_20	IAMS_20	23 42 17.1
W18A	Petrified Fore	111.29	22	P	PKIKP	22 52 58.9 +4.7
BLO	Bloomington	111.33	1	IAMS_20	IAMS_20	23 40 53.9
X16A	Lo Mia Camp, P	111.36	23	IAMS_20	IAMS_20	23 43 13.4
Q51A	Peebles	111.48	359	IAMS_20	IAMS_20	23 42 05.7
Q44A	Meyer Farm, Va	111.51	3	IAMS_20	IAMS_20	23 42 21.7
Q52A	Bidwell	111.51	358	IAMS_20	IAMS_20	23 42 06.6
R61A	Willard	111.60	352	IAMS_20	IAMS_20	23 41 33.7
SLM	Saint Louis	111.70	4	IAMS_20	IAMS_20	23 42 07.9
OLIL	Olney	111.72	3	IAMS_20	IAMS_20	23 42 29.3
X18A	Snowlflake	111.76	22	IAMS_20	IAMS_20	23 46 44.8
ESJX	Sierra Juarez	111.81	28	IAMS_20	IAMS_20	23 46 53.8
GUVIX	Guadalupe Vict	111.91	27	IAMS_20	IAMS_20	23 47 38.1
CBN	Corbin Frederi	111.94	354	IAMS_20	IAMS_20	23 41 28.1
113A	Mohawk Valley,	112.00	26	IAMS_20	IAMS_20	23 42 35.6
R53A	Hurricane	112.13	357	IAMS_20	IAMS_20	23 42 35.9
CCM	Cathedral Cave	112.20	5	IAMS_20	IAMS_20	23 48 34.2
R49A	Shelbyville	112.23	0	IAMS_20	IAMS_20	23 49 03.5
R58B	Mineral	112.23	354	IAMS_20	IAMS_20	23 41 47.5
WCI	Wyandotte Cae	112.28	1	IAMS_20	IAMS_20	23 42 29.0
S61A	Accomac	112.28	352	IAMS_20	IAMS_20	23 46 33.7
FVM	French Village	112.34	5	IAMS_20	IAMS_20	23 42 48.8
S39A	Bolivar	112.37	7	IAMS_20	IAMS_20	23 42 42.7
ANMO	Albuquerque	112.44	19	IAMS_20	IAMS_20	23 46 00.6
ANMO	Albuquerque	112.44	19	PKIKP	PKIKP	22 52 56.3 -0.1
USIN	University of	112.50	2	IAMS_20	IAMS_20	23 43 12.0
S57A	Dark Hollow, R	112.52	355	IAMS_20	IAMS_20	23 42 04.3
OK032	Salt Plains WL	112.55	12	IAMS_20	IAMS_20	23 44 05.8
ELIB	Princess Elisa	112.67	199	dPKP	PKIKP	22 52 56.6 +1.2
ELIB				dPP	PKS	22 53 42.1 -0.9
ELIB				dSKS	SKSac	22 59 39.8 +0.7
ELIB				dSKS	SKSac	23 00 47.1 +2.1
ELIB				dSP	SP	23 01 31.7 +0.2
ELIB				dPKP	PKKpbc	23 03 16.8 +1.1
ELIB				dPKP	PKKpbc	23 03 45.2 -0.8
T35A	Sooner Cattle	112.72	10	IAMS_20	IAMS_20	23 43 54.1
S51A	Beattyville	112.87	359	IAMS_20	IAMS_20	23 42 59.4
CROK	Carrier	112.88	11	IAMS_20	IAMS_20	23 44 15.5
T60A	Surry	112.93	353	IAMS_20	IAMS_20	23 42 21.1
OK051	E0350 and S346	113.07	10	IAMS_20	IAMS_20	23 44 15.4
CGM3	Cape Girardeau	113.07	4	IAMS_20	IAMS_20	23 43 12.1
214A	Organ Pipe Nat	113.09	26	IAMS_20	IAMS_20	23 43 18.3
Y22D	IRIS PASCALL I	113.12	20	IAMS_20	IAMS_20	23 47 09.7
OK048	Pawnee Station	113.14	11	IAMS_20	IAMS_20	23 44 09.3
T59A	Double "B" Far	113.18	354	IAMS_20	IAMS_20	23 42 16.7
QUOK	Quay	113.42	10	IAMS_20	IAMS_20	23 46 34.6
T50A	Nancy	113.50	360	IAMS_20	IAMS_20	23 44 14.1
T47A	Sharon Grove	113.50	2	IAMS_20	IAMS_20	23 41 35.2
TUC	Tucson	113.51	24	IAMS_20	IAMS_20	23 44 17.1
OK052	Battle Ridge R	113.58	10	IAMS_20	IAMS_20	23 44 22.8
OK031	S. Brethren Rd	113.61	11	IAMS_20	IAMS_20	23 44 32.7
OK030	Cody Creek Riv	113.64	10	IAMS_20	IAMS_20	23 44 33.6
RLO	Rose Lookout	113.67	9	IAMS_20	IAMS_20	23 44 11.1
PARMO	Parma	113.70	4	IAMS_20	IAMS_20	23 43 39.7
DEOK	Depew	113.77	10	IAMS_20	IAMS_20	23 46 44.0
H99A	Littleton	113.82	354	IAMS_20	IAMS_20	23 42 57.6
HICK	Hickman	113.85	4	IAMS_20	IAMS_20	23 43 13.7
U54A	Nelsons Funny	113.93	357	IAMS_20	IAMS_20	23 43 43.5
TZTN	Tazewell	113.96	359	IAMS_20	IAMS_20	23 43 42.6
U49A	Red Boiling Sp	114.00	1	IAMS_20	IAMS_20	23 43 35.5
UTMT	University of	114.07	3	IAMS_20	IAMS_20	23 43 51.3
GLAT	Glass	114.12	4	IAMS_20	IAMS_20	23 43 43.8
VNDA	Vand	114.12	167	PP	PP	22 53 51.0 -2.2
VNDA				PKKpbc	PKKpbc	23 03 39.8 -1.1
PEBM	Pemisicott Bayo	114.24	4	IAMS_20	IAMS_20	23 44 25.0
V61A	Roper	114.25	353	IAMS_20	IAMS_20	23 43 02.9
121A	Cookes Peak, D	114.30	21	IAMS_20	IAMS_20	23 47 16.8
W35A	Tecumseh	114.39	11	IAMS_20	IAMS_20	23 44 48.3
CLTN	Cedars of Liba	114.41	1	IAMS_20	IAMS_20	23 44 52.4
WMOK	Wichita Mounta	114.46	13	P	PKPfd	22 53 02.3 +2.3
HALT	Halls	114.47	4	IAMS_20	IAMS_20	23 50 15.2
V58A	Windy Hill, Pi	114.49	355	IAMS_20	IAMS_20	23 44 16.3
V52A	Sevierville	114.66	359	IAMS_20	IAMS_20	23 49 52.9
V51A	Loudon	114.71	359	IAMS_20	IAMS_20	23 51 25.8

comp=Z,33um,20.0s						
H48A	Harrisburg	114.73	5			

17d 22h

Table with columns: Code, Station Name, Time, Res, and various numerical values. Includes entries like MAGL Barre de l'île, CBE Ft. Capester, GNB Bay Guanabara, etc.

2017 NOV

Table with columns: Code, Station Name, Time, Res, and various numerical values. Includes entries like PULU Pulo, SALV Santo Antonio, PTTB Ponte de Pedra, etc.

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Table with columns: Code, Station Name, Time, Res, and various numerical values. Includes entries like JUT3 Nagotoyohana, JNTH Kunigami, JOW Zalesovo Beam, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Vanda, Manton Dam, Kununurra, South Pole Qui, etc.

IDC 17 22:43:44.5-1.6, 29.67N:95.04E, h0km, mb3.9/5, mbmp3.9/6, ML3.5/1, Error ellipse: s-maj=70.2km s-min=22.3km az=64.0

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

WBNET 17 22:46:49.9, 50.06N:12.60E, h8km, MI0.7, 9C-1D, Germany

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

IDC 17 22:54:54.8-0.8, 32.18N:141.17E, h0km, mb4.1/16, mbmp4.1/19, ML3.6/3, Error ellipse: s-maj=27.2km s-min=14.4km az=59.0

JMA 17 22:54:58.2-0.5, 33.1N:141.1E, h4km, MV4.0/33, E OFF HACHIOJIMA ISLAND

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

ISC 17 22:54:59.6-0.8, 32.39N:141.47E, h0km, h31km, n41, c125/46, mb4.1/16, Southeast of Honshu

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like JMKM, BSO1, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like JAG, MJAR, JCJ, ASAJ, KLR, SONMI, ZALV, TAPN, MKAR, etc.

UPP 17 23:04:15.8-0.0, 67.18N:20.66E, h0km, ML3.0, Suspected explosion

DNK 17 23:04:16.2-0.5, 67.18N:20.67E, h0km, ML3.0(UPP), Explosion

HEL 17 23:04:15.6-0.3, 67.17N:20.52E, h0km, ML1.2, Explosion, Sweden

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

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

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

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

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

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

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

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

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

HEL 17 23:04:41.6-0.2, 67.68N:33.49E, h0km, ML1.2, Suspected explosion, Baltic States-Belarus-Northwestern Russia

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like OLKF, OLKF, KU6, etc.

IDC 17 23:18:26.1-1.0, 32.21N:141.26E, h0km, mb3.7/8, mbmp3.6/9, ML2.4/1, Error ellipse: s-maj=34.9km s-min=17.5km az=58.0

JMA 17 23:18:30.7-0.7, 33.1N:141.1E, h4km, MV3.7/31, E OFF HACHIOJIMA ISLAND

ISC 17 23:18:30.6-1.0, 32.34N:141.36E, h0km, h31km, n23, c130/24, mb3.7/8, Southeast of Honshu

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

ISC 17 23:18:30.6-1.0, 32.34N:141.36E, h0km, h31km, n23, c130/24, mb3.7/8, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like H1N2, H1N1, etc.

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

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

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

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

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

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

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

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

IDC 17 23:23:42.3-1.0, 27.99N:95.15E, h0km, mb3.4/5, mbmp3.5/5, Error ellipse: s-maj=366.3km s-min=56.2km az=170.0

ISC 17 23:24:02.5-2.9, 30.2N:102.947E, h0km, n13, c086/13, Xizang

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

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

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

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

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

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

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

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

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

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

IDC 17 23:26:34.2-2.0, 30.04N:95.09E, h0km, mb3.4/5, mbmp3.3/4, ML3.2/2, Error ellipse: s-maj=349.5km s-min=70.2km az=173.0, Xizang

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

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

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

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

VAO 17 23:39:20.1-0.9, 19.30S:71.92W, h10km, mb4.2, NEIC 17 23:39:56.8-1.8, 17.61S:0.09, 69.9W, 0.1, h156km, 6km, mb4.2/7, ML3.8(GUC), Error ellipse: s-maj=21.7km s-min=9.5km az=114.0

GUC 17 23:39:58.9-0.7, 17.72S:69.70W, h146km, 3km, ML3.8

IDC 17 23:39:59.0-1.2, 17.79S:69.35W, h153km, 8km, mb3.7/5, mbmp4.1/8, Error ellipse: s-maj=22.4km s-min=9.6km az=105.0

ISC 17 23:39:57.2-0.7, 17.71S:0.05, 69.59W, 0.07, h150km, 6km, n69, c141/80, mb4.1/4, 6C-1D, Peru-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like PB18, PB18, etc.

Table with columns: WHN, S, Sn, 00 38 57.0 -6.2, BJT, Baijiatatau, 20.06 54, P, P, 00 36 34.1 -0.4, SNY, comp=Z,2um,8.6s, LR, LR

Table with columns: BJT, Baijiatatau, 20.06 54, P, P, 00 36 34.1 -0.4, SNY, comp=Z,2um,8.6s, LR, LR

Table with columns: SNY, comp=Z,2um,8.6s, LR, LR, BRZS, Berezinski, 26.13 326, eP, P, 00 37 35.7 +0.4

18d Oh

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ARU, GRNR, TOLJ, YAK, etc.

2017 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GUMO, BNN, MMAI, BR131, etc.

1258

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MORH, JAVC, TIR, KRLC, etc.

1259 **2017 NOV** **18d 0h**

E18K	Tukpahlearik C baz=295	68.03	24	P	P	00 43 02.2 +2.0
MBAR	Mbarara	68.11	256	P	I Amb	00 43 00.8 -1.0 00 43 12.9
MBAR	Mbarara	68.11	256	eP	pmax	00 43 01.2 -0.6
LPG	La Plagne	68.14	311	eP	pmax	00 43 01.2 -0.5
LPL	La Plagne	68.14	311	eP	pmax	00 43 01.2 -0.5
A22K	Sinclair Lake baz=299	68.20	19	P	P	00 43 03.2 +2.0
F17K	Baldwin Pennin	68.21	25	P	P	00 43 00.2 -1.1
F17K	Baldwin Pennin baz=295	68.21	25	P	P	00 43 03.7 +2.3
G16K	Koyuk River	68.23	26	P	I Amb	00 43 01.3 -0.3 00 43 04.9
SBF	Sospel	68.26	309	eP	pmax	00 43 04.1 +1.8
MBDF	Montbardon	68.40	310	eP	pmax	00 43 02.0 -1.2
D19K	Kuna River baz=297	68.40	22	P	P	00 43 05.1 +2.5
H16K	Elim baz=295	68.59	27	P	P	00 43 05.5 +1.6
M11K	Mekoryuk baz=293	68.63	32	P	P	00 43 05.7 +1.6
D20K	Etiulik River baz=298	68.79	22	P	P	00 43 06.7 +1.6
G17K	Kiwalik Mouna baz=296	68.83	26	P	P	00 43 07.3 +1.9
J14K	Nanvanarak Lak baz=294	68.84	29	P	P	00 43 07.0 +1.7
ORIF	Oris-en-Rattie	68.92	310	eP	pmax	00 43 09.5 +3.1
B22K	Teshkepuk Lake baz=300	68.98	20	P	P	00 43 08.1 +2.0
B21K	Ikpikpuk River baz=299	68.98	21	P	P	00 43 08.1 +2.0
LMR	La Mourre	69.08	309	eP	pmax	00 43 08.0 +0.7
E20K	Nigu River baz=299	69.14	22	P	P	00 43 09.2 +1.9
C21K	Knifblade Rid baz=300	69.16	21	P	P	00 43 09.2 +1.9
E19K	Redstone River baz=299	69.17	23	P	P	00 43 09.4 +1.9
VOI	Vohitsoka	69.28	228	P	I Amb	00 43 08.9 +0.1 00 44 02.5
F19K	Shaleruckik Mo baz=299	69.28	24	P	P	00 43 09.4 +1.3
H17K	Granite Mouna	69.36	26	P	I Amb	00 43 09.3 +0.6 00 43 12.2
H17K	Granite Mouna baz=296	69.36	26	P	P	00 43 10.2 +1.6
G18K	Tagagawik	69.40	25	P	P	00 43 09.2 +0.4
I17K	Unalakleet baz=297	69.53	27	P	P	00 43 10.9 +1.3
SMF	Signal de Mont	69.60	313	eP	pmax	00 43 09.4 -1.1
SSF	Saint Saule	69.66	313	eP	pmax	00 43 09.8 -1.0
VIVF	Saint-Julien-I	69.74	311	eP	pmax	00 43 11.6 +0.2
E21K	Kilik River baz=300	69.77	22	P	P	00 43 11.9 +0.8 00 43 12.7 +1.6
E21K	Kilik River baz=300	69.77	22	P	P	00 43 11.9 +0.8 00 43 12.7 +1.6
L14K	Kuka Creek baz=296	69.81	30	P	P	00 43 13.3 +1.9
J16K	Anvik River	69.83	28	P	I Amb	00 43 13.5 +2.0 00 43 21.2
J16K	Anvik River baz=296	69.83	28	P	P	00 43 13.1 +1.6
G19K	Purcell Mouna	69.85	24	P	I Amb	00 43 12.2 +0.6 00 43 39.9
G19K	Purcell Mouna baz=296	69.85	24	P	P	00 43 13.2 +1.6
H18K	Honhosa River	69.85	26	P	I Amb	00 43 12.5 +0.8 00 43 14.8
H18K	Honhosa River baz=299	69.85	26	P	P	00 43 12.3 +0.7
AVF	Avri sur Loir	69.86	313	eP	pmax	00 43 11.0 -1.0
F20K	Avaraat Lake baz=299	69.89	23	P	P	00 43 12.8 +1.0
K15K	Wolf Creek Mou	69.89	29	P	P	00 43 12.9 +1.0
K15K	Wolf Creek Mou baz=296	69.89	29	P	P	00 43 12.9 +1.0
KEST	Kesra	69.93	300	P	P	00 43 11.2 -1.6
KEST	Kesra	69.93	300	P	P	00 43 12.3 -0.5
D22K	Aiykyak River baz=300	69.95	21	P	P	00 43 13.8 +1.6
C23K	Iklikik River baz=303	70.06	20	P	P	00 43 13.9 +1.0
CLF	Chambon-Foret	70.07	314	P	P	00 43 12.8 -0.5
L15K	Ungalak Mouna baz=296	70.18	30	P	P	00 43 14.4 +0.7
EUNU	Eureka	70.24	0	P	P	00 43 15.2 +1.3
EKA	Eskdalemur Ar baz=299	70.26	323	P	P	00 43 12.9 -1.4
BGF	Bois d'Agland	70.27	313	eP	pmax	00 43 12.2 -2.4
H19K	Roundabout Mou baz=299	70.38	25	P	I Amb	00 43 15.4 +0.6 00 43 18.5
H19K	Roundabout Mou baz=299	70.38	25	P	P	00 43 16.8 +1.9
M14K	Bethel	70.38	31	P	P	00 43 15.9 +1.0
M14K	Bethel baz=296	70.38	31	P	P	00 43 17.1 +2.2
D23K	Nanushuk River baz=303	70.52	20	P	P	00 43 17.9 +2.2
F21K	Alatna River	70.56	23	P	P	00 43 16.9 +1.0
F21K	Alatna River baz=301	70.56	23	P	P	00 43 17.8 +1.9
GCSA	Galena City Sc baz=299	70.60	26	P	P	00 43 18.4 +2.2
E22K	Anaktuvuk Pass baz=302	70.62	21	P	P	00 43 18.5 +2.1
C24K	Franklin Bluff baz=305	70.68	19	P	P	00 43 18.2 +1.6
TCF	Toux Ste Croi	70.78	313	eP	pmax	00 43 17.1 -0.6
F22K	John River baz=302	70.83	22	P	P	00 43 19.3 +1.7
G21K	Allakaket baz=301	70.92	23	P	P	00 43 19.1 +1.0
H20K	Anotleneega Mo baz=300	70.96	24	P	P	00 43 20.3 +1.9
D24K	Happy Valley baz=305	70.97	20	P	P	00 43 19.7 +1.3
M15K	Kasigluk River baz=297	70.97	30	P	P	00 43 19.8 +1.3
L16K	Owhat River baz=298	71.02	29	P	P	00 43 20.4 +1.6
K17K	Iditarod	71.03	28	P	I Amb	00 43 19.3 +0.4 00 43 22.4
K17K	Iditarod baz=299	71.03	28	P	P	00 43 20.9 +2.0
TOLK	Toolik Lake Re	71.03	20	P	P	00 43 19.6 +0.7
TOLK	Toolik Lake Re baz=304	71.03	20	P	P	00 43 20.1 +1.2

J18K	Innoko River	71.29	27	P	I Amb	00 43 21.3 +0.8 00 43 29.4
J18K	Innoko River comp=Z,15nm,1.0s baz=300	71.29	27	P	P	00 43 22.9 +2.5
L17K	Donlin baz=299	71.31	28	P	P	00 43 21.7 +1.1
E23K	Chandalar baz=304	71.35	21	P	P	00 43 21.7 +0.9
G22K	Bettes baz=303	71.37	22	P	P	00 43 22.2 +1.3
J19K	Poorman	71.45	26	P	I Amb	00 43 21.8 +0.4 00 43 25.0
J19K	Poorman comp=Z,16nm,1.1s baz=300	71.45	26	P	P	00 43 23.3 +1.9
I20K	Naaghedeneel	71.46	25	P	P	00 43 20.9 -0.3
I20K	Naaghedeneel baz=301	71.46	25	P	P	00 43 23.7 +2.5
N15K	Kwethluk River baz=298	71.47	31	P	P	00 43 23.5 +1.8
M16K	Timber Creek baz=299	71.56	30	P	P	00 43 24.0 +1.6
D25K	Kavik River	71.58	19	P	P	00 43 21.8 -0.6
D25K	Kavik River baz=307	71.58	19	P	P	00 43 23.7 +1.5
H21K	Melozitna River	71.61	24	P	I Amb	00 43 24.0 +1.6 00 43 25.8
H21K	Melozitna River comp=Z,18nm,1.3s baz=302	71.61	24	P	P	00 43 24.4 +2.0
RJF	Les Rejaudoux	71.62	312	eP	pmax	00 43 23.8 +1.0
C26K	Camden Bay baz=308	71.62	18	P	P	00 43 24.6 +2.2
COLD	Coldfoot	71.63	22	P	P	00 43 24.9 +2.5
E24K	Your Creek	71.69	21	P	P	00 43 24.1 +1.2
E24K	Your Creek baz=305	71.69	21	P	P	00 43 25.0 +2.1
GRR	Gorron	71.83	316	eP	pmax	00 43 23.1 -0.9
N16K	Nishlik Lake baz=299	71.91	30	P	P	00 43 26.1 +1.8
J20K	Nowinta River	71.91	25	P	I Amb	00 43 24.4 +0.3 00 43 27.9
L18K	Granite Mouna baz=300	71.92	28	P	P	00 43 26.0 +1.7
G23K	Banza Creek baz=304	71.98	22	P	P	00 43 26.4 +1.8
H22K	Ishlatina Cre baz=303	71.98	23	P	P	00 43 26.9 +2.3
I21K	Tanana baz=303	72.16	24	P	P	00 43 26.9 +1.3
F24K	Squaw Lake baz=306	72.20	21	P	P	00 43 28.3 +2.4
K20K	Telida baz=302	72.37	26	P	P	00 43 28.8 +1.9
E25K	Arctic Village	72.54	20	P	I Amb	00 43 29.5 +1.6 00 43 52.7
N17K	Kushagak Hills baz=300	72.56	30	P	P	00 43 29.1 +0.9
O16K	Nogwak River B baz=300	72.63	31	P	P	00 43 29.8 +1.3
H23K	Yukon River baz=300	72.64	23	P	P	00 43 30.1 +1.5
M18K	Stony River baz=301	72.65	28	P	P	00 43 29.9 +1.2
L19K	White Mountain L19K	72.68	27	P	I Amb	00 43 30.6 +1.7 00 43 48.6
L19K	White Mountain comp=Z,37nm,1.6s baz=302	72.68	27	P	P	00 43 31.0 +2.1
MLY	Manley	72.68	24	P	I Amb	00 43 29.9 +1.0 00 43 31.6
MLY	Manley comp=Z,18nm,1.6s baz=304	72.68	24	P	P	00 43 30.6 +1.8
G24K	Hadweenzic Riv baz=304	72.81	22	P	I Amb	00 43 30.2 +0.7 00 43 54.9
G24K	Hadweenzic Riv baz=306	72.81	22	P	P	00 43 30.5 +0.9
F25K	Christian River baz=308	72.84	20	P	P	00 43 31.5 +1.8
L20K	Farewell, AK baz=302	72.91	27	P	P	00 43 32.0 +1.8
SUMG	Summit	72.92	347	P	I Amb	00 43 30.9 +0.4 00 43 35.0
SUMG	Summit comp=Z,19nm,1.2s baz=305	72.92	347	P	pmax	00 43 30.9 +0.4
CAST	Castle Rocks comp=Z,19nm,1.2s baz=305	73.09	26	P	I Amb	00 43 32.8 +1.5 00 43 34.8
CAST	Castle Rocks comp=Z,14nm,1.0s baz=305	73.09	26	P	P	00 43 33.5 +2.3
I23K	Minto, Yukon-K I23K	73.09	23	P	I Amb	00 43 30.3 +1.9 00 43 40.9
I23K	Minto, Yukon-K comp=Z,29nm,1.8s baz=305	73.09	23	P	P	00 43 33.2 +2.0
BPAW	Bear Paw Mtn.	73.12	25	P	I Amb	00 43 32.5 +1.1 00 43 34.6
BPAW	Bear Paw Mtn. comp=Z,30nm,1.3s baz=304,SNR=7.9	73.12	25	P	P	00 43 33.7 +2.3
D27M	Malcolm River	73.12	18	P	P	00 43 31.4 -0.1
D27M	Malcolm River baz=311	73.12	18	P	P	00 43 33.6 +2.2
H24K	Noodor Dome baz=308	73.19	22	P	P	00 43 33.2 +1.4
G25K	Bearman Lake baz=308	73.21	21	P	P	00 43 34.0 +2.2
F26K	Sheenjek River baz=309	73.23	20	P	P	00 43 33.5 +1.5
TULEG	Thule	73.30	356	P	P	00 43 30.6 -1.6
ROSF	Rostrene	73.31	316	eP	pmax	00 43 34.6 +1.8
PPLA	Purkypile comp=Z,58nm,1.7s baz=304,SNR=7.9	73.34	26	P	P	00 43 35.0 +2.2
KTH	Kantishna Hill KTH	73.45	25	P	I Amb	00 43 33.9 +0.5 00 43 51.3
NEA2	Nenana comp=Z,51nm,1.8s baz=305	73.52	24	P	I Amb	00 43 35.0 +1.3 00 43 36.7
NEA2	Nenana comp=Z,14nm,1.1s baz=306	73.52	24	P	P	00 43 35.9 +2.1
M20K	Styx River	73.53	27	P	I Amb	00 43 34.5 +0.5 00 43 39.4
M20K	Styx River comp=Z,18nm,1.2s baz=303	73.53	27	P	P	00 43 35.7 +1.7
N19K	Bonanza Creek baz=302	73.56	29	P	P	00 43 36.3 +2.2
MDM	Murphy Dome	73.59	23	P	I Amb	00 43 35.3 +1.1 00 43 37.4
FYU	Fort Yukon	73.60	21	P	P	00 43 35.0 +0.9
E27K	Coleen River	73.65	19	P	I Amb	00 43 35.0 +0.5 00 43 39.8
E27K	Coleen River comp=Z,28nm,1.6s baz=311	73.65	19	P	P	00 43 36.9 +2.4
POKR	Poker Plat Res	73.77				

18d 0h

Table with columns: Station Name, Code, Station Name, Az, Az, Phase ID, Time, Res, Res. Includes stations like DAWY, I30M, GILB, M27K, J30M, etc.

2017 NOV

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

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

SONM Songoing Array 19.95 23 P P 02 26 26.4 +0.4
AAK Ala-Archa 20.70 31 P P 02 26 34.6 +0.4
KURBB Kurchatov Arra 24.04 334 P P 02 27 08.7 -0.1
ZALV Zalesovo Beam 25.09 346 P P 02 27 17.9 -0.5

UCR 18 02:33:05.1 1.8, 6.90N-82.30W, h0km, 122km, MW4.6
IDC 18 02:33:11.0 2.6, 7.10N-82.53W, h0km, mb3.5/4,
mbmp3.6/5, ML4.0/1, MS3.1/2, Error ellipse: s-maj=87.7km
s-min=32.5km az=31.0

CATAC 18 02:33:12.1 2.0, 7.69N-81.93W, h8km, 14km, ML4.2
Hydrocent not reviewed by the ISC
UPA 18 02:33:14.5 4.3, 7.53N-82.45W, h1km, 16km, MW4.3
ISC 18 02:33:13.0 1.6, 7.40N-82.38W, 0.04, h11km, gkm,
n79, r123/102, mb3.6/4, South of Panama

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Petroterminal, David, Nancito, Gualca, Canoas, Paja de Sombre, etc.

ESDC Sonseca Array 76.41 51 P P 02 45 04.2 +1.4
ASAR Alice Springs 141.63 241 PKP PKPdf 02 52 42.2 -3.3
WRA Warramunga Arr 142.30 247 PKP PKPdf 02 52 44.0 -2.7

SJA 18 02:44:09.3 1.0, 2.4:08S:67.26W, h190km, 7km, ML3.7,
WV0.7
IDC 18 02:44:10.6 1.3, 2.4:05S:67.17W, h169km, 18km, mb3.3/4,
mbmp3.8/10, Error ellipse: s-maj=23.6km s-min=16.3km
az=121.0
GUC 18 02:44:11.4 0.6, 2.4:05S:67.49W, h204km, 5km, ML4.0
ISC 18 02:44:10.5 0.7, 2.4:05S:67.25W, 0.04, h179km, 7km,
n43, r152/72, mb3.4/4, 4C, Chile-Argentina border
region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like San Pedro de A, San Lorenzo, Zapla, Limon Verde, IROC Station P, etc.

ISC 18 02:58:54.3 0.8, 42.05N-0.05:142.246E, 0.04, h67km, 7km,
n33, r055/36, mb3.8/7, 8D, Hokkaido region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Urakawa-nobuka, Hidakashinhida, Erimo, Tokachihiroo, etc.

IDC 18 03:18:54.3 1.4, 59.55N:153.42W, h78km, 13km, mb3.4/8,
mbmp3.8/12, Error ellipse: s-maj=18.3km s-min=10.0km
az=96.18
NEIC 18 03:18:56.4 1.0, 59.47N:0.03:153W:0.07,
h101km, 3km, Error ellipse: s-maj=5.0km s-min=4.4km
az=110.0
AEIC 18 03:18:57.8 1.2, 59.47N:0.03:153W:0.07, h92km, 3km,
ML3.6, ML3.9/156(NEIC), Error ellipse: s-maj=4.8km
s-min=4.4km az=109.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Augustine Moun, Oil Pt, Augustine Lava, etc.

18d 3h

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, Date, Time, and other parameters. Includes stations like NCT North Crescent, O18K Koktuh Hills, O18K Katmai Hook G, etc.

2017 NOV

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, Date, Time, and other parameters. Includes stations like N16K Nishlik Lake, KNK Knik Glacier, L20K Farewell, AK, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, Date, Time, and other parameters. Includes stations like DHY Denali Highway, M14K Bethel, M14K comp=E,55nm,2.5s, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like G15K Niukluk, H25L Birch Creek, G24K Hadweenzic Riv, etc.

NDI 18 03:35:56.9, 2.6, 30.60N, 95.69E, h10km, ML3.5, MW4.5, mb4.2(NEIC)

NEIC 18 03:36:06.1, 0.9, 29.97N, 0.06, 95.22E, 0.08, h10km, n63, mb4.2/16, Error ellipse: s-maj=13.9km s-min=7.4km az=132.0

IDC 18 03:36:09.2, 4.2, 29.91N, 95.05E, h38km, 39km, mb3.7/12, mbtmp3.9/14, ML3.5/2, MS3.3/4, Error ellipse: s-maj=26.8km s-min=14.8km az=63.0

ISC 18 03:36:06.4, 0.5, 29.93N, 0.04, 95.09E, 0.04, h10km, n63, 1917/69, mb4.1/16, MS3.2/3, 3C, Eastern Xizang-India border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZIRO ZIRO, ITAN ITANAGAR, LSA Lhasa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAMN Ramite, JIRN Jiri, KMI Kunming, etc.

ISC 18 03:40:25.4, 10.0, 28.24N, 51.00E, h0km, mb4.2/2, mbtmp3.9/4, ML3.6/2, Error ellipse: s-maj=17.7km

TEH 18 03:40:56.8, 3.1, 65N, 49.58E, h6km, 999km, ML3.0, ISC 18 03:40:58.3, 0.9, 31.71N, 0.05, 49.62E, 0.04, h10km, n22, 216/22, Western Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AHWZ Ahwaz, JHGN Jahran bin, ZNGN Zangian, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IMEH Mehriz, GEYT Alibek, GEYT 1, etc.

IDC 18 03:42:57.1, 0.9, 29.70N, 95.16E, h0km, mb3.7/8, s-min=7.6km az=55.0

ISC 18 03:42:58.8, 1.1, 29.93N, 0.2, 95.2E, 0.1, h10km, n17, 1824/16, mb3.8/6, Eastern Xizang-India border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAMN Ramite, JIRN Jiri, JIRN Jiri, etc.

IDC 18 03:49:39.1, 4.5, 2.77N, 98.68E, h0km, mb3.7/6, mbtmp3.7/6, MS3.1/1, Error ellipse: s-maj=24.6km s-min=21.0km az=55.0

DJA 18 03:49:50.1, 0.3, 1.5N, 9.9E, h104km, 6km, M3.9/7, ML3.9/7, ISC 18 03:49:50.8, 0.9, 2.81N, 0.08, 98.7E, 0.1, h100km, n13, 1919/15, mb3.7/6, Northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KCSI Kotacane, KCSI KCSI, MLSI Meulaboh, etc.

IDC 18 03:53:02.0, 2.0, 6.32N, 141.47E, h0km, mb4.0/17, mbtmp4.0/20, ML3.6/3, MS3.4/10, Error ellipse: s-maj=20.5km s-min=13.4km az=57.0

NEIC 18 03:53:05.9, 1.4, 32.4N, 0.1, 141.5E, 0.1, h20km, 5km, mb4.4/23, Error ellipse: s-maj=16.8km s-min=13.2km az=173.0

NIED 18 03:53:07.3, 32.68N, 141.33E, h6km, MW4.3, Moment Tensor Solution, 3rd Moment tensor: Scale 10^15Nm, Min: 1.75; Mxx: 0.25; Myy: 0.30; Mzz: 2.34; Mxy: 1.07; Myz: 0.14; Fault plane solution: M3.18000x10^15 Np1: 276.00000, 870.00000, -105.00000, NP2: 13.00000, 825.00000, -55.00000

JMA 18 03:53:07.3, 0.5, 33.1N, 141.1E, h6km, MV4.0/24, E, OFF HACHIOJIMA ISLAND, ISC 18 03:53:06.4, 0.5, 32.34N, 0.05, 141.50E, 0.06, h31km, n87, 1925/76, mb4.2/30, MS3.3/5, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAOM Aogashimamukai, JHJC Hachiojimakas, JHJC JHJC, etc.

PIAT Ana Tenorio	2.27	37	P	Pb	04 24 25.0 -1.5	SGCB Sfo Gabriel d	12.89	78	eP	Pn	04 26 44.2 -2.7	comp=Z.23nm,1.0s	MCPB Macapa, AP	27.68	85	eP	LR	04 29 30.8 -0.4	
PIAT Ana Tenorio	2.27	37	eP	Pb	04 24 25.5 -1.0	LCRZ La Lucha 2	13.21	341	P	Pn	04 26 55.7 +4.2		MDP Montagnes des	28.10	74	LR	P	04 41 14.6	
ILLI Illinizas Sur	2.28	24	P	Pb	04 24 25.0 -1.7	SJCC San Jacinto, C	13.39	19	eP	P	04 26 57.1 -5.7		comp=Z.14nm,18.6s,baz=257,slow=37	BDON Bonaerense	28.38	130	eP	P	04 29 36.9 -0.5
APSY Ecuador-Napo A	2.29	37	P	Pb	04 24 27.0 +0.2	HDC Heredia	13.49	341	eP	P	04 27 01.4 -2.6		PP1B Ponte de Pedra	28.29	123	eP	P	04 29 38.6 +1.0	
SRAM San Ramon-Volc	2.32	28	P	Pb	04 24 26.0 -1.2	HDC Heredia	13.49	341	eP	P	04 26 59.2 -4.8		MURT Porto Murinho	28.46	133	eP	Iamb	04 29 38.1 +0.1	
BFNR Barreras-Volc	2.32	32	P	Pb	04 24 26.0 -1.2	ARGC Ariaguani, Magd	13.69	23	eP	P	04 27 01.1 -5.0		GO04 Tololo Observa	28.46	164	Iamb	Iamb	04 29 52.7	
VCES Cotopaxi	2.36	32	P	Pb	04 24 27.0 -1.1	JTS Las Juntas de	14.05	338	P	Pn	04 27 05.0 +2.2		comp=Z.64nm,1.1s	CO03 El Pedregal	29.13	164	P	Iamb	04 29 47.7 +0.7
SLOR San Lorenzo -	2.37	29	P	Pb	04 24 26.9 -1.3	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CO03 El Pedregal	29.13	164	P	Iamb	04 29 47.4	
SLOR San Lorenzo -	2.37	29	P	Pb	04 24 27.0 -1.2	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		comp=Z.44nm,1.0s	AQDB Aquidauana	29.21	129	P	Iamb	04 29 45.1 +0.4
BMOR Cotopaxi Volca	2.38	30	P	Pb	04 24 27.0 -1.5	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		comp=Z.70nm,0.9s	AQDB Aquidauana	29.21	129	P	Iamb	04 29 45.0 +0.2
CAMI Rancho Maria	2.41	28	P	Pb	04 24 28.0 -0.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		SNDB Serra Nova Dou	29.52	109	eP	P	04 29 47.0 -0.6	
ENAS Cotopaxi Volca	2.43	32	P	Pb	04 24 28.0 -0.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		ANTJ Antonio Joao (29.85	132	eP	P	04 29 49.8 -0.6	
BREF Cotopaxi Volca	2.45	29	P	Pb	04 24 28.0 -1.6	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CFA Coronel Fontan	30.59	161	LR	LR	04 41 48.4	
SUCR Mariscal Sucre	2.45	28	P	Pb	04 24 28.0 -1.5	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		comp=Z.2um,21.5s,baz=349,slow=35	DWPF Disney Wildern	30.80	357	P	P	04 29 58.4 -0.2
FLFI Flavio Alfaro-	2.45	355	P	Pn	04 24 28.0 +0.4	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		DWPF Disney Wildern	30.80	357	P	P	04 29 57.8 -0.8	
NASZ Nasa	2.46	29	P	Pb	04 24 30.0 +2.3	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		DWPF Disney Wildern	30.80	357	P	P	04 29 58.2 +0.6	
TAMB Tambo	2.46	31	P	Pb	04 24 29.0 +0.8	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		comp=Z.10um,18.6s,slow=40	DWPF Disney Wildern	30.80	357	P	P	04 29 58.2 -0.4
BTAM Cotopaxi Volca	2.46	30	P	Pb	04 24 29.0 -0.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		DWPF Disney Wildern	30.80	357	P	P	04 30 11.7 -0.6	
BVC2 Cotopaxi Volca	2.47	30	P	Pb	04 24 29.0 -1.0	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		DWPF Disney Wildern	30.80	357	P	P	04 30 17.0 +8.9	
VC1 Cotopaxi 1	2.49	30	P	Pb	04 24 29.0 -1.3	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		AMBA Amambai (Braz	31.15	132	eP	Iamb	04 30 02.0 +0.1	
PITA Cotopaxi Volc	2.55	28	P	Pb	04 24 30.0 -1.2	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		MT02 Curitiba	31.32	166	Iamb	Iamb	04 30 15.7	
TOMA Boca Toma-Volc	2.60	28	P	Pb	04 24 32.0 -0.1	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		PEL Peledue	31.32	165	Iamb	Iamb	04 30 22.8	
ANTM Antisana-La Mi	2.67	37	P	Pb	04 24 33.0 -0.4	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		comp=Z.46nm,1.1s	PEL Peledue	31.32	165	P	P	04 30 04.6 +1.3
ANTG Antisana-Guama	2.68	31	P	Pb	04 24 32.0 -1.6	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		TMAB Tamarit PA.Br	31.52	90	eP	P	04 30 07.7 +0.8	
MAGT Magdalena	2.73	357	P	Pn	04 24 32.0 +0.6	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	eP	P	04 30 07.7 +0.9	
ANTS Antisana-Sarah	2.73	33	P	Pb	04 24 33.0 -1.5	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	P	04 30 06.3 -0.4	
HPAL Hacienda Las P	2.77	21	P	Pb	04 24 32.0 -2.8	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		comp=Z.2um,19.1s,baz=316,slow=41	CPUP Villa Florida	31.71	140	P	LR	04 45 33.1
GGPT Toaza Volcan	2.77	22	P	Pb	04 24 32.0 -3.0	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		comp=Z.2.0nm,0.9s,baz=80,slow=13,SNR=2.8	CPUP Villa Florida	31.71	140	P	LR	04 45 33.1
JUAZ San Juan	2.79	40	P	Pb	04 24 33.0 +0.4	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
GGPC Guagua Pichinc	2.82	22	P	Pb	04 24 33.0 -2.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
TERV Terraza Guagua	2.82	22	P	Pb	04 24 33.0 -2.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
PINO Pino	2.83	21	P	Pb	04 24 33.0 -3.2	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
YANA Yana	2.89	22	P	Pb	04 24 34.0 -3.0	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
AC01 Acelerografo,	2.93	21	P	Pb	04 24 35.0 -2.3	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
APR2 Miller	2.95	13	P	Pb	04 24 33.0 -4.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
AIMS Ecuador-Tababe	2.97	26	P	Pb	04 24 40.0 +1.7	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
BV15 Puerto Quito-O	2.98	8	P	Pb	04 24 31.0 +0.1	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
AV11 Acelerografo,	3.01	25	P	Pb	04 24 38.0 -0.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
PULU Puliuhua	3.04	22	P	Pb	04 24 35.9 -3.7	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
PULU Putulua	3.05	29	P	Pb	04 24 35.0 -4.6	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
AV18 Acelerografo,	3.11	3	P	Pb	04 24 34.0 +1.3	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
PAC1 Pacto, Paraso	3.18	16	P	Pb	04 24 34.0 +0.3	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
PAC1 Pacto, Paraso	3.18	16	eP	Pb	04 24 35.0 +1.3	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
CAYR Refugio Cayamb	3.25	30	P	Pb	04 24 42.0 -1.3	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
OTAV Otavalo	3.26	21	Pn	Pb	04 24 38.5 -4.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
OTAV Otavalo	3.26	21	P	Pb	04 24 38.5 -4.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
OTAV Otavalo	3.26	21	P	Pb	04 24 38.5 -4.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
OTAV Otavalo	3.26	21	eP	Pb	04 24 37.4 -5.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
ANGU Angureal	3.28	30	P	Pb	04 24 39.0 -4.8	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
CAYA Cayana	3.34	22	P	Pb	04 24 40.0 -4.8	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
CUSE Cuicocha Este	3.34	22	P	Pb	04 24 39.8 -4.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
CUSE Cuicocha Este	3.34	22	P	Pb	04 24 39.8 -4.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
CUSW Cuicocha Oeste	3.34	23	P	Pb	04 24 42.0 -2.7	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
CUIC Cuicocha-Domo	3.35	23	P	Pb	04 24 40.0 -4.9	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
LAV4 Lavad-Reventad	3.37	37	P	Pb	04 24 42.0 -3.1	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
AC07 Cotacachi (Cas	3.39	25	P	Pb	04 24 41.0 -4.6	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
COTA Cotacachi	3.39	23	P	Pb	04 24 41.0 -4.6	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
IMBA Imbabura, San	3.39	25	P	Pb	04 24 43.0 -2.6	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
IMBA Imbabura, San	3.39	25	P	Pb	04 24 43.0 -2.6	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	
AV21 Acelerografo,	3.45	2	P	Pb	04 24 40.0 +2.6	JTS Las Juntas de	14.05	338	P	Pn	04 27 06.0 +3.2		CPUP Villa Florida	31.71	140	P	LR	04 45 33.1	

18d 4h

Z47A	Carrollton	36.70	348	P	P	04 30 49.3	-0.5
Y52A	Liburn	36.72	354	P	P	04 30 49.4	-0.7
Y52A				P	P	04 30 49.4	-0.7
RCLB	Rio Claro- Sao	36.74	125	eP	P	04 30 52.4	+1.9
JANB	Januarja	36.89	111	eP	P	04 30 51.2	-0.7
JSC	Jenkinsville	36.93	358	IAMB	IAMB	04 30 52.5	
JSC	Jenkinsville	36.93	358	P	P	04 30 51.4	-0.4
HODGE	Hodges	36.93	356	IAMB	IAMB	04 30 52.5	
HODGE	Hodges	36.93	356	P	P	04 30 51.6	-0.3
CPSB	Cacapava Do Su	36.98	141	eP	P	04 30 52.2	-0.2
Y49A	Blount Mountain	37.03	351	IAMB	IAMB	04 30 53.7	
Y49A	Blount Mountain	37.03	351	P	P	04 30 51.7	-1.0
X58A	Rowland	37.17	0	P	P	04 30 53.8	0.0
X58A				P	P	04 30 53.8	0.0
X58A				P	P	04 30 53.8	0.0
NATX	Nacogdoches	37.23	339	IAMB	IAMB	04 30 59.0	
NATX	Nacogdoches	37.23	339	P	P	04 30 54.6	+0.2
HND0	Hondo	37.26	331	IAMB	IAMB	04 31 19.1	
BIRD	Birdtown, Kers	37.27	359	P	P	04 30 53.9	-0.8
RPN	Rapa Nui	37.30	227	LR	LR	04 42 28.8	
GO06	Curarrehue	37.34	170	P	P	04 30 56.2	+0.8
GO06				IAMB	IAMB	04 31 14.4	
SPB	Sao Paulo	37.38	126	eP	P	04 30 57.4	+1.6
VAO	Vinhos	37.48	125	eP	P	04 30 57.0	+0.2
PAULI	Pauline	37.49	357	IAMB	IAMB	04 30 57.3	
PAULI	Pauline	37.49	357	P	P	04 30 56.3	-0.3
X51A	Calhoun	37.51	353	IAMB	IAMB	04 30 56.6	
X51A	Calhoun	37.51	353	P	P	04 30 55.4	-1.3
X51A				P	P	04 30 55.4	-1.3
435B	Jarrell	37.54	334	IAMB	IAMB	04 31 01.4	
435B	Jarrell	37.54	334	P	P	04 30 57.3	+0.2
FPAL	Fort Paine	37.58	352	IAMB	IAMB	04 30 57.5	
Y45A	Yeager Farm, C	37.66	346	P	P	04 30 58.4	+0.3
X48A	Hartselle	37.72	350	IAMB	IAMB	04 30 59.2	
X48A	Hartselle	37.72	350	P	P	04 30 57.6	-0.9
CASEE	Lake Jocassee	37.73	356	P	P	04 30 58.7	0.0
W57A	Gilead	37.77	360	IAMB	IAMB	04 31 00.1	
W57A	Gilead	37.77	360	P	P	04 30 58.2	-0.7
W57A				P	P	04 30 58.2	-0.7
KMSC	Kings Mountain	37.79	358	P	P	04 30 58.9	-0.2
KMSC	Kings Mountain	37.79	358	P	P	04 30 58.7	-0.4
KMSC	Kings Mountain	37.79	358	P	P	04 30 58.9	-0.2
PLTB	Pedras Altas	37.82	142	P	IAMB	04 30 59.1	-0.3
PLTB				IAMB	IAMB	04 31 18.0	
DRIO	Del Rio	37.82	142	eP	P	04 31 00.0	+0.5
PET01	Hanahan-SP	37.83	329	IAMB	IAMB	04 31 03.1	
237A	Washetta, Mont	37.84	127	eP	P	04 31 00.4	+0.7
CNNC	Cliffs of the	37.89	2	IAMs_20	IAMs_20	04 47 04.8	
W52A	Murphy	37.92	354	IAMB	IAMB	04 31 03.3	
W52A	Murphy	37.92	354	P	P	04 30 59.9	-0.4
CNBL	Canella	37.98	137	eP	P	04 31 00.2	-0.7
W50A	Signal Mountain	38.19	352	IAMB	IAMB	04 31 01.5	
W50A	Signal Mountain	38.19	352	P	P	04 31 01.7	-0.9
OXF	Oxford	38.25	347	IAMB	IAMB	04 31 56.3	
OXF	Oxford	38.25	347	P	P	04 31 02.2	-0.8
SWET	Sewanee	38.29	352	IAMB	IAMB	04 31 04.0	
JCT	Junction City	38.30	331	P	P	04 31 04.0	+0.5
JCT	Junction City	38.30	331	IAMB	IAMB	04 31 10.2	
JCT	Junction City	38.30	331	P	P	04 31 04.4	+0.9
JCT	Junction City	38.30	331	P	P	04 31 04.5	+1.0
JCT	Junction City	38.30	331	P	P	04 31 04.0	+0.5
V53A	Saluda	38.40	356	IAMB	IAMB	04 31 04.7	
V53A	Saluda	38.40	356	P	P	04 31 03.8	-0.5
V53A				P	P	04 31 03.8	-0.5
V58A	Windy Hill, Pi	38.41	1	P	IAMB	04 31 03.9	-0.5
V58A				IAMB	IAMB	04 31 05.6	
V58A				P	P	04 31 03.9	-0.5
V58A				P	P	04 31 03.9	-0.5
DIAM	Diamantina, MG	38.45	116	eP	P	04 31 04.7	-0.4
BSCB	Bom Sucesso	38.46	121	eP	P	04 31 04.7	-0.4
TKL	Tuckaleechee C	38.47	355	IAMB	IAMB	04 31 08.8	
TKL	Tuckaleechee C	38.47	355	P	P	04 31 04.1	-0.7
TKL	Tuckaleechee C	38.47	355	P	P	04 31 04.1	-0.7
TKL				LR	LR	04 46 42.6	
WLAR	White Oak Lake	38.47	342	IAMB	IAMB	04 31 32.2	
V55A	Taylorville	38.49	358	IAMB	IAMB	04 31 06.4	
V55A	Taylorville	38.49	358	P	P	04 31 04.7	-0.4
V55A				P	P	04 31 04.7	-0.4
V61A	Roper	38.51	4	P	P	04 31 05.2	0.0
V61A				P	P	04 31 05.2	0.0
WHTX	Lake Whitney	38.53	335	IAMB	IAMB	04 31 08.1	
WHTX	Lake Whitney	38.53	335	P	P	04 31 05.9	+0.5
WHTX	Lake Whitney	38.53	335	P	P	04 31 06.4	+1.0
BRDY	Brady	38.59	333	IAMB	IAMB	04 31 28.0	
PLCA	Paso Flores	38.63	169	P	P	04 31 06.3	+0.1
PLCA				IAMB	IAMB	04 31 29.1	
PLCA				P	P	04 31 07.4	+1.2
PLCA				P	P	04 31 06.2	0.0
PLCA				LR	LR	04 45 24.4	
PLCA				LR	LR	04 45 24.4	
PLCA				P	P	04 31 06.5	+0.2
V52A	Sevierville	38.63	355	P	P	04 31 05.4	-0.8
V52A				P	P	04 31 05.4	-0.8

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V51A	Loudon	38.67	354	P	P	04 31 05.6	-0.9
Z38A	Mt. Pleasant	38.70	339	P	IAMB	04 31 07.9	+1.0
Z38A				IAMB	IAMB	04 31 11.4	
Z38A				P	P	04 31 07.8	+1.0
PARB	Paraibuna	38.73	125	eP	P	04 31 07.1	-0.2
FW14	Alvarado	38.77	336	IAMB	IAMB	04 31 12.0	
FW13	Cleburne	38.83	336	IAMB	IAMB	04 31 10.6	
V48A	Smith Brothers	38.94	351	IAMB	IAMB	04 31 11.3	
V48A	Smith Brothers	38.94	351	P	P	04 31 07.6	-1.2
U56A	King	38.97	359	IAMB	IAMB	04 31 10.0	
U56A	King	38.97	359	P	P	04 31 09.1	+0.1
U56A				P	P	04 31 09.1	+0.1
U59A	Littleton	39.00	2	P	P	04 31 09.2	-0.1
U59A	Littleton	39.00	2	P	P	04 31 09.0	-0.3
U59A				P	P	04 31 09.0	-0.3
SAND	Sanderson	39.04	328	IAMB	IAMB	04 31 15.2	
U54A	Nelsons Fun	39.19	357	IAMB	IAMB	04 31 12.1	
U54A	Nelsons Fun	39.19	357	P	P	04 31 10.4	-0.6
U54A				P	P	04 31 10.4	-0.6
FW07	Weatherford	39.28	336	IAMB	IAMB	04 31 30.5	
OZNA	Ozona	39.30	330	IAMB	IAMB	04 31 16.6	
TZTN	Tazewell	39.33	355	P	P	04 31 11.2	-0.8
TZTN	Tazewell	39.33	355	P	P	04 31 11.3	-0.7
TXAR	Lajitas Array	39.39	326	P	P	04 31 12.9	+0.1
TXAR	Lajitas Array	39.39	326	P	P	04 31 25.2	-1.4
TXAR	Lajitas Array	39.39	326	P	P	04 31 13.6	+0.8
TXAR				P	P	04 32 21.1	+0.3
TXAR				LR	LR	04 46 36.8	
TX31	Lajitas Ar. Si	39.39	326	P	P	04 31 13.8	+0.9
TX31	Lajitas Ar. Si	39.39	326	P	P	04 31 13.7	+0.9
MIAR	Mount Ida	39.41	342	P	P	04 31 11.4	-1.3
MIAR	Mount Ida	39.41	342	P	P	04 31 12.4	-0.3
MIAR	Mount Ida	39.41	342	P	P	04 31 12.7	0.0
FW06	Azle	39.42	336	IAMB	IAMB	04 31 15.9	
WVT	Waverly	39.49	350	P	P	04 31 11.8	-1.6
WVT	Waverly	39.49	350	P	P	04 31 11.7	-1.6
WVT	Waverly	39.49	350	P	P	04 31 11.6	-1.8
WVT	Waverly	39.49	350	P	P	04 31 11.6	-1.8
WVT	Waverly	39.49	350	P	P	04 31 11.6	-1.8
WVT	Waverly	39.49	350	P	P	04 31 11.6	-1.8
U49A	Red Boiling Sp	39.54	352	IAMB	IAMB	04 31 24.8	+1.8
U49A	Red Boiling Sp	39.54	352	P	P	04 31 30.4	+3.2
U49A				P	P	04 31 12.6	-1.2
SLBS	Sierra La Lagu	39.55	313	IAMB	IAMB	04 31 14.7	+0.5
SLBS				IAMB	IAMB	04 31 17.6	
PLPT	Paio Pinto	39.60	335	P	P	04 31 15.8	+1.4
PLPT				IAMB	IAMB	04 31 27.8	
T57A	Hurt	39.61	0	IAMB	IAMB	04 31 17.4	
T57A	Hurt	39.61	0	P	P	04 31 13.8	-0.6
T57A				P	P	04 31 13.8	-0.6
Z35A	Perchaven, San	39.62	337	IAMB	IAMB	04 31 17.5	
Z35A	Perchaven, San	39.62	337	P	P	04 31 15.8	+1.3
T59A	Double "B" Far	39.63	3	IAMB	IAMB	04 31 18.4	
T59A	Double "B" Far	39.63	3	P	P	04 31 14.3	-0.2
T59A				P	P	04 31 14.3	-0.2
FW03	Perrin-Whitt E	39.69	335	IAMB	IAMB	04 31 18.1	
BLA	Blacksburg	39.83	359	P	P	04 31 16.1	-0.1
BLA	Blacksburg	39.83	359	P	P	04 31 16.1	-0.1
BLA	Blacksburg	39.83	359	P	P	04 31 15.6	-0.6
BLA	Blacksburg	39.83	359	P	P	04 31 16.1	-0.1
BLA				MLR	MLR		
T60A	Surry	39.84	4	IAMB	IAMB	04 31 18.1	
T60A	Surry	39.84	4	P	P	04 31 16.3	+0.1
T60A				P	P	04 31 16.3	+0.1
LL01	San Ignacio de	39.92	172	P	IAMB	04 31 17.0	+0.2
LL01				IAMB	IAMB	04 31 37.3	
T50A	Nancy	39.93	354	P	P	04 31 15.6	-1.4
T50A				P	P	04 31 15.6	-1.4
ABTX	Abilene, Hawle	40.02	333	IAMB	IAMB	04 31 40.7	
ABTX	Abilene, Hawle	40.02	333	P	P	04 31 18.6	+0.7
ABTX	Abilene, Hawle	40.02	333	P	P	04 31 19.5	+1.6
SGCY	Sterling City	40.12	331	IAMB	IAMB	04 31 22.1	
LCAR	Lake Charles	40.15	345	IAMB	IAMB	04 31 19.0	
LCAR	Lake Charles	40.15	345	P	P	04 31 17.9	-1.0
LOOK	Love County	40.17	337	IAMB	IAMB	04 31 38.7	
ALPN	Alpine	40.18	327	P	IAMB	04 31 20.4	+1.0
ALPN				IAMB	IAMB	04 31 23.7	
T47A	Sharon Grove	40.20	351	IAMB	IAMB	04 31 18.8	
T47A	Sharon Grove	40.20	351	P	P	04 31 17.4	-1.9
S57A	Dark Hollow, R	40.38	1	P	P	04 31 19.9	-0.8
S57A				P	P	04 31 19.9	-0.8
S51A	Beattyville	40.42	355	P	P	04 31 20.0	-1.0
S51A				P	P	04 31 20.0	-1.0
S54A	Dingess, Beckl	40.44	358	IAMB	IAMB	04 31 24.2	
S54A	Dingess, Beckl	40.44	358	P	P	04 31 20.8	-0.5
S54A				P	P	04 31 20.8	-0.5
S61A	Accord	40.46	5	P	P	04 31 22.5	+1.2
S61A				P	P	04 31 22.5	+1.2

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MCWV	Mont Chateau	42.27	360	P	P	04 31 36.1	-0.1
OK051	E3050 and S346	42.28	339	IAMB	IAMB	04 31 40.7	
P52A	Corning	42.30	357	IAMB	IAMB	04 31 36.8	
P52A	Corning	42.30	357	P	P	04 31 35.2	-1.4
SMWD	Samnorwood	42.38	335	IAMB	IAMB	04 31 51.1	
SLM	Saint Louis	42.39	348	IAMB	IAMB	04 31 36.9	
P49A	Miami Univ. Ec	42.40	354	P	P	04 31 36.3	
P49A	Miami Univ. Ec	42.40	354	P	P	04 31 35.4	-2.0
P49A	Miami Univ. Ec	42.40	354	P	P	04 31 35.2	-2.1
P48A	Milroy	42.40	353	IAMB	IAMB	04 31 36.3	
P48A	Milroy	42.40	353	P	P	04 31 35.1	-2.3
P48A	Milroy	42.40	353	P	P	04 31 35.1	-2.3
Q44A	Meyer Farm, Va	42.40	349	P	P	04 31 35.9	-1.4
T35A	Sooner Cattle	42.53	340	IAMB	IAMB	04 31 43.0	
T35B	Sooner Cattle	42.53	340	P	P	04 31 38.8	+0.3
R40A	Maddies Statio	42.54	345	P	P	04 31 36.9	-1.5
GEDE	Greenville	42.58	5	P	P	04 31 38.8	+0.1
MSTX	Muleshoe	42.59	331	IAMB	IAMB	04 31 57.6	
MSTX	Muleshoe	42.59	331	P	P	04 31 39.2	+0.1
MSTX	Muleshoe	42.59	331	P	P	04 31 39.1	+0.1
MVL	Millersville	42.71	4	P	P	04 31 40.5	+0.7
MVL	Millersville	42.71	4	IAMB	IAMB	04 31 41.3	
O52A	Adamsville	42.77	358	IAMB	IAMB	04 31 40.5	
O52A	Adamsville	42.77	358	P	P	04 31 39.3	-1.1
O52A	Adamsville	42.77	358	P	P	04 31 39.3	-1.1
P46A	Rosedale	42.79	351	IAMB	IAMB	04 31 42.4	
AMTX	Amarillo	42.83	333	P	P	04 31 41.6	+0.5
AMTX	Amarillo	42.83	333	P	P	04 31 42.0	+1.0
ELIS	Elis County	42.87	336	IAMB	IAMB	04 32 24.4	
O53A	New Philadelph	42.88	358	IAMS_20	IAMS_20	04 49 19.8	
O53A	New Philadelph	42.88	358	P	P	04 31 39.9	-1.3
PABK	Blue Knob Stat	42.88	1	P	P	04 31 40.5	-0.7
ACSO	Alum Creek Sta	42.95	356	IAMS_20	IAMS_20	04 50 24.4	
ACSO	Alum Creek Sta	42.95	356	P	P	04 31 40.3	-1.5
ACSO	Alum Creek Sta	42.95	356	P	P	04 31 40.8	-0.9
OK038	West end E0370	42.96	337	IAMS_20	IAMS_20	04 50 29.4	
U32A	Winter Ranch,	42.97	337	P	P	04 31 42.7	+0.6
OK032	Salt Plains WL	43.04	338	IAMB	IAMB	04 31 50.1	
KAN14	Manchester OK	43.09	338	P	P	04 31 44.3	+1.4
UPAO	U. Pittsburgh	43.09	360	P	P	04 31 42.4	-0.5
O48B	Farmland	43.16	354	P	P	04 31 41.3	-2.2
O48B	Farmland	43.16	354	P	P	04 31 41.8	-1.7
KAN01	Argonia South	43.19	339	IAMB	IAMB	04 31 52.4	
P43A	Skaggs, Pawnee	43.21	349	IAMB	IAMB	04 31 43.5	
P43A	Skaggs, Pawnee	43.21	349	P	P	04 31 42.7	-1.2
PANJ	Princeton	43.22	6	P	P	04 31 44.1	+0.1
SSPA	Standing Stone	43.27	2	P	P	04 31 44.1	-0.3
SSPA	Standing Stone	43.27	2	P	P	04 31 43.5	-0.9
SSPA	Standing Stone	43.27	2	P	P	04 31 44.1	-0.3
SSPA	Standing Stone	43.27	2	P	P	04 31 44.1	-0.3
KAN06	Argonia West S	43.31	339	IAMB	IAMB	04 31 52.9	
KAN08	Anthony NE Sta	43.33	339	IAMB	IAMB	04 31 53.5	
LUPA	Lehigh Univ	43.38	5	IAMB	IAMB	04 31 49.9	
N53A	Lisbon	43.43	359	IAMB	IAMB	04 31 45.4	
N53A	Lisbon	43.43	359	P	P	04 31 44.4	-1.2
N53A	Lisbon	43.43	359	P	P	04 31 44.4	-1.2
O44A	Mansfield	43.52	350	IAMB	IAMB	04 31 45.5	
O44A	Mansfield	43.52	350	P	P	04 31 44.5	-1.9
SFIN	Lafayette	43.52	352	IAMB	IAMB	04 31 47.8	
SFIN	Lafayette	43.52	352	P	P	04 31 45.8	-0.6
N58A	Sunbury	43.53	3	P	P	04 31 46.3	-0.1
N58A	Sunbury	43.53	3	IAMB	IAMB	04 31 47.5	
N58A	Sunbury	43.53	3	P	P	04 31 46.5	+0.1
N58A	Sunbury	43.53	3	P	P	04 31 46.5	+0.1
N51A	Ashland	43.60	357	IAMB	IAMB	04 31 46.4	
N51A	Ashland	43.60	357	P	P	04 31 44.7	-2.3
N51A	Ashland	43.60	357	P	P	04 31 44.7	-2.3
HSIG	Paris	43.62	319	P	P	04 31 48.0	+0.6
P40A	Paris	43.66	346	P	P	04 31 46.0	-1.5
RCBR	Riachuelo	43.71	95	eP	P	04 31 48.7	+0.3
RCBR	Riachuelo	43.71	95	LR	LR	04 51 43.2	
RCBR	Riachuelo	43.71	95	P	P	04 31 48.2	-0.2
N49A	Columbus Grove	43.73	355	P	P	04 31 46.2	-1.8
N49A	Columbus Grove	43.73	355	P	P	04 31 46.2	-1.8
PSDB	Penn State Uni	43.74	1	P	P	04 31 48.1	-0.1
N47A	Urbana	43.84	353	IAMB	IAMB	04 31 47.8	
N47A	Urbana	43.84	353	P	P	04 31 46.6	-2.3
N47A	Urbana	43.84	353	P	P	04 31 46.6	-2.3
PAL	Palisades	43.92	6	IAMB	IAMB	04 31 51.2	
PAL	Palisades	43.92	6	P	P	04 31 49.7	+0.1
PAL	Palisades	43.92	6	P	P	04 31 49.8	+0.2
ODNJ	Ogdensburg	43.93	5	P	P	04 31 49.7	0.0
M57A	Sunshine Farm,	44.00	3	P	P	04 31 50.6	+0.3
M57A	Sunshine Farm,	44.00	3	P	P	04 31 50.6	+0.3
TRNY	Table Rock, Ra	44.03	6	IAMB	IAMB	04 31 51.5	

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M53A	WI Miller and	44.05	359	IAMS_20	IAMS_20	04 50 44.9	
M53A	WI Miller and	44.05	359	P	P	04 31 49.2	-1.5
M55A	Ridgway	44.08	1	IAMB	IAMB	04 31 51.8	
M55A	Ridgway	44.08	1	P	P	04 31 49.9	-1.0
M55A	Ridgway	44.08	1	P	P	04 31 49.9	-1.0
M50A	Fremont	44.12	356	P	P	04 31 49.8	-1.4
M50A	Fremont	44.12	356	P	P	04 31 49.8	-1.4
121A	Cookes Peak, D	44.12	325	P	P	04 31 53.3	+1.7
121A	Cookes Peak, D	44.12	325	IAMB	IAMB	04 32 07.8	
121A	Cookes Peak, D	44.12	325	P	P	04 31 52.1	+0.6
121A	Cookes Peak, D	44.12	325	P	P	04 31 53.1	+1.6
WSPT	Westport, CT	44.15	7	P	P	04 31 51.7	+0.3
WSPT	Westport, CT	44.15	7	IAMB	IAMB	04 31 55.3	
319A	Douglas	44.17	323	IAMB	IAMB	04 32 06.6	
KSPA	Keystone Colle	44.30	4	IAMB	IAMB	04 31 57.0	
KSPA	Keystone Colle	44.30	4	P	P	04 31 52.0	-0.6
N41A	Harden Midland	44.51	348	IAMB	IAMB	04 31 53.6	
M63A	Gales Ferry	44.55	8	P	P	04 31 54.8	+0.2
M63A	Gales Ferry	44.55	8	P	P	04 31 54.8	+0.2
RTBA	Rita Blanca	44.60	333	IAMB	IAMB	04 32 13.4	
NPNY	Mohonk Preserv	44.64	6	P	P	04 31 55.1	-0.2
R32A	Long Quarter,	44.66	339	P	P	04 31 56.7	+1.1
Y22A	Socorro	44.71	327	P	P	04 31 57.7	+1.5
ERPA	Erie	44.72	360	IAMS_20	IAMS_20	04 51 34.8	
ERPA	Erie	44.72	360	P	P	04 31 55.0	-1.0
ERPA	Erie	44.72	360	P	P	04 31 54.6	-1.4
L48A	N Adams	44.76	355	IAMB	IAMB	04 31 55.1	
L48A	N Adams	44.76	355	P	P	04 31 53.7	-2.6
L48A	N Adams	44.76	355	P	P	04 31 53.7	-2.6
L56A	Greenwood	44.78	2	P	P	04 31 55.8	-0.7
L56A	Greenwood	44.78	2	IAMB	IAMB	04 31 56.9	
L56A	Greenwood	44.78	2	P	P	04 31 55.6	-0.9
Y22D	IRIS P ASSCALI	44.79	327	P	P	04 31 56.1	-0.8
Y22F	Pascal Instru	44.79	327	P	P	04 31 57.3	+0.5
DUN6	Laz B Ranch	44.89	324	P	P	04 31 59.4	+1.8
UCCT	West Valley, N	44.91	8	IAMB	IAMB	04 31 59.0	
L59A	Walton	44.99	5	IAMB	IAMB	04 31 58.9	
WVNY	West Valley, N	45.02	1	IAMB	IAMB	04 31 58.7	
WVNY	West Valley, N	45.02	1	P	P	04 31 57.5	-0.9
L46A	Eue Claire	45.02	353	P	P	04 31 56.4	-2.0
L46A	Eue Claire	45.02	353	P	P	04 31 56.4	-2.0
HQIL	Hanson Quary C	45.03	351	IAMS_20	IAMS_20	04 50 35.4	
AAM	Ann Arbor	45.05	356	IAMB	IAMB	04 32 01.9	
AAM	Ann Arbor	45.05	356	IAMS_20	IAMS_20	04 51 30.1	
AAM	Ann Arbor	45.05	356	P	P	04 31 58.3	-0.3
N38A	Joess South For	45.14	345	IAMB	IAMB	04 32 01.7	
N38A	Joess South For	45.14	345	P	P	04 31 58.6	-0.7
ANMO	Albuquerque	45.21	329	P	P	04 32 01.7	+1.5
ANMO	Albuquerque	45.21	329	P	P	04 32 01.9	+1.6
ANMO	Albuquerque	45.21	329	P	P	04 32 01.7	+1.5
ANMO	Albuquerque	45.21	329	eP	P	04 32 01.5	+1.2
ANMO	Albuquerque	45.21	329	P	P	04 32 01.7	+1.5
QUA2	Belchertown	45.37	8	IAMB	IAMB	04 32 08.4	
QUA2	Belchertown	45.37	8	IAMS_20	IAMS_20	04 53 43.9	
CBK5	Cedar Bluff	45.38	338	IAMB	IAMB	04 32 32.3	
CBK5	Cedar Bluff	45.38	338	P	P	04 32 02.0	+0.7
CBK5	Cedar Bluff	45.38	338	P	P	04 32 02.1	+0.7
L44A	Lake County Fo	45.41	351	IAMS_20	IAMS_20	04 52 08.4	
K57A	Scipio Center	45.42	3	P	P	04 32 00.6	-1.0
K50A	Casco	45.46	357	P	P	04 32 00.4	-1.4
K50A	Casco	45.46	357	P	P	04 32 00.4	-1.4
L61B	Northampton	45.49	7	IAMB	IAMB	04 32 02.7	
L61B	Northampton	45.49	7	P	P	04 32 03.0	+0.9
L42A	Oliver, Polo	45.53	350	IAMB	IAMB	04 32 04.3	-2.0
L42A	Oliver, Polo	45.53	350	P	P	04 32 02.5	0.0
HCNY	Howe Caverns	45.55	5	P	P	04 32 02.5	0.0
TRY	Troy	45.66	6	IAMB	IAMB	04 32 05.5	

18d 4h

Table with columns: SPMM, Marine on St., 49.25 348, I Amb, I Amb, 04 32 33.9, etc. Includes various station names like Marine on St., Sam W. Stewart, In-Ko-Pac, Lone Tree Farm, etc.

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Table with columns: TCUT, Toone Canyon, 52.44 330, I Amb, I Amb, 04 33 22.2, etc. Includes various station names like Toone Canyon, Spring Creek, Bulldog Array, etc.

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Table with columns: YBH, Yreka Blue Hor, 59.08 323, LR, LR, 04 59 30.9, etc. Includes various station names like Yreka Blue Hor, Pilot Rock, G08A, etc.

OUZM	OUZ	76.84	58	P	P	04 35 37.0 +1.9
M31M	Drury Creek, Y	76.87	337	P	P	04 35 35.2 +0.7
P2M	Windy Craggy	76.93	334	P	P	04 35 35.5 +0.6
PACM	Alcotech	76.93	49	eP	P	04 35 38.5 +3.3
PNCL	Nicoula V/Gran	77.00	50	eP	P	04 35 36.2 +0.6
N31M	Gracburn, Yuko	77.04	336	P	P	04 35 36.7 +1.2
PSBE	So Bento	77.14	49	eP	P	04 35 36.9 +0.4
MESJ	Messejana	77.17	50	eP	P	04 35 37.2 +0.6
MESJ	Messejana	77.17	50	Iamb	Iamb	04 35 41.9
MESJ	Messejana	77.17	50	eP	P	04 35 37.1 +0.5
MESJ	Messejana	77.17	50	eP	P	04 35 42.3
MESJ	Messejana	77.17	50	eP	P	04 35 37.1 +0.5
PBDV	Barranco-do-Ve	77.25	51	eP	P	04 35 38.1 +1.0
PCVE	Castro Verde	77.26	51	eP	P	04 35 38.1 +0.0
HYT	Haines Junctio	77.42	335	P	P	04 35 38.7 +1.0
ZHG	ZHG	77.45	55	P	P	04 35 39.0 +0.6
PVAQ	Vaqueiros	77.45	51	eP	P	04 35 39.3 +1.1
PVAQ	Vaqueiros	77.45	51	eS	S	04 45 29.8 +2.7
PVAQ	Vaqueiros	77.45	51	eLR	LR	05 00 27.8
PMTG	Montargil	77.46	49	eP	P	04 35 38.2 0.0
PBEJ	Beja	77.48	50	eP	P	04 35 39.5 +1.1
EVO	Evora	77.49	50	eP	P	04 35 38.6 +0.2
PCAS	Casmilo, Conde	77.50	48	eP	P	04 35 38.5 +0.1
N30M	Aishkik Lake	77.56	336	Iamb	Iamb	04 35 52.4
N30M	Aishkik Lake	77.56	336	P	P	04 35 39.7 +1.3
COI	Coimbra	77.60	48	eP	P	04 35 39.6 +0.6
COI	Coimbra	77.60	48	Iamb	Iamb	04 35 43.6
O29M	Mount Kennedy	77.62	334	P	P	04 35 40.1 +1.3
ZGR	Zagora	77.65	59	P	P	04 35 41.0 +1.3
PNL	Peninsula	77.68	333	P	P	04 35 39.8 +0.7
PTO	Porto	77.69	47	eP	P	04 35 40.0 +0.5
YUK6	Outpost Mounta	77.84	335	P	P	04 35 40.4 +0.4
PESTR	Estremoz	77.89	49	eP	P	04 35 41.1 +0.4
PESTR	Estremoz	77.89	49	P	Iamb	04 35 41.2 +0.5
PESTR	Estremoz	77.89	49	P	Iamb	04 35 57.8
PESTR	Estremoz	77.89	49	P	P	04 35 41.7 +1.0
RES	Resolute Bay	77.93	356	LR	LR	05 10 06.8
M30M	Minto, Yukon	78.02	337	P	P	04 35 41.5 +0.6
C36M	Paulatuk	78.03	345	P	P	04 35 39.3 -1.4
PVIS	Viséu	78.11	48	eP	P	04 35 41.8 -0.1
PGAV	Gaveira, Arco	78.15	46	eS	SKSac	04 45 52.1 +2.2
PGAV	Gaveira, Arco	78.15	46	eLR	LR	05 01 27.4
PBAR	Barrancos	78.15	50	eP	P	04 35 44.7 +2.6
YUK4	Talbot Arm	78.16	335	P	P	04 35 42.1 +0.2
PMRV	Marv??o	78.17	49	eP	P	04 35 44.6 +2.4
PMRV	Marv??o	78.17	49	eLR	LR	05 00 41.4
PCBR	Castelo Branco	78.21	48	eP	P	04 35 44.0 +1.6
MTE	Manteigas	78.29	48	eP	P	04 35 42.8 -0.1
MTE	Manteigas	78.29	48	eS	S	04 45 58.2 +2.2
MTE	Manteigas	78.29	48	eLR	LR	05 01 04.1
YUK8	Steele Glacier	78.60	335	P	P	04 35 44.4 -0.1
M29M	Somme Creek	78.62	336	Iamb	Iamb	04 35 58.0
M29M	Somme Creek	78.62	336	P	P	04 35 44.7 +0.4
BELA	Belgrano 2	78.64	171	P	P	04 35 43.7 -0.4
L29M	L29M	78.82	337	Iamb	Iamb	04 35 59.3
L29M	L29M	78.82	337	P	P	04 35 46.4 +1.1
MVO	Moncorvo	78.85	47	eP	P	04 35 46.1 +0.1
MVO	Moncorvo	78.85	47	eS	S	04 45 46.1 +4.0
MVO	Moncorvo	78.85	47	eLR	LR	05 02 44.4
J30M	Hart River	78.88	338	IAMS_20	IAMS_20	05 11 28.7
J30M	Hart River	78.88	338	P	P	04 35 46.4 +0.7
K29M	Barlow Dome	78.95	338	Iamb	Iamb	04 35 59.2
K29M	Barlow Dome	78.95	338	P	P	04 35 46.0 -0.1
LCRM	LCR	78.95	55	P	P	04 35 48.0 +1.1
MDT	Midelt	79.00	56	P	LR	04 35 48.0 +1.0
MDT	Midelt	79.00	56	LR	LR	05 09 25.8
ARF	Arif	79.08	57	P	P	04 35 49.0 +1.5
YUK3	Moose Creek	79.13	335	P	P	04 35 46.8 -0.5
CTG	Chitna Glacier	79.14	334	P	P	04 35 46.8 -0.4
PBRG	Braganca	79.21	47	eP	P	04 35 48.1 +0.1
I30M	Mount Dempster	79.24	339	Iamb	Iamb	04 36 01.2
I30M	Mount Dempster	79.24	339	IAMS_20	IAMS_20	05 13 13.2
I30M	Mount Dempster	79.24	339	P	P	04 35 48.3 +0.6
G31M	Satah River	79.45	341	Iamb	Iamb	04 36 01.7
G31M	Satah River	79.45	341	P	P	04 35 49.0 +0.4
F31M	Tsigiehtchic	79.57	341	Iamb	Iamb	04 36 02.4
F31M	Tsigiehtchic	79.57	341	P	P	04 35 49.3 +0.1
BORG	Borgarnes	79.58	22	LR	LR	05 09 19.9
BVCY	Beaver Creek	79.59	335	P	P	04 35 49.2 -0.3
SUMG	Summit	79.64	12	P	P	04 35 50.0 0.0
SUMG	Summit	79.64	12	P	P	04 35 50.0 0.0
SUMG	Summit	79.64	12	iP	pmax	04 35 49.0 -1.0
SUMG	Summit	79.64	12	Iamb	Iamb	04 35 51.3
DAWY	Dawson	79.78	337	P	P	04 35 50.5 -0.1
RAR	Rarotonga	79.79	249	LR	LR	05 02 23.5
CRQE	Cirque	79.82	333	P	P	04 35 50.7 -0.2
EPYK	Eagle Plains	79.97	340	Iamb	Iamb	04 36 04.3
EPYK	Eagle Plains	79.97	340	P	P	04 35 51.7 +0.2
M27K	Edge Creek, AK	79.99	335	Iamb	Iamb	04 36 04.8
M27K	Edge Creek, AK	79.99	335	P	P	04 35 51.8
INK	Inuvik	80.00	342	P	P	04 35 51.3 -0.2
INK	Inuvik	80.00	342	P	pmax	04 35 52.0 +0.4
INK	Inuvik	80.00	342	LR	LR	05 14 16.9

MCARA	McCarthy VSAT	80.06	334	P	P	04 35 54.0 +1.9
MCARA	McCarthy VSAT	80.06	334	P	P	04 35 53.8 +1.8
KAIM	Kayak Island	80.08	332	P	P	04 35 52.3 +0.1
G30M	tAoh Zraii Nji	80.12	341	P	P	04 35 52.4 0.0
A36M	Sachs Harbour	80.15	347	P	P	04 35 51.7 -0.6
VRDI	Verde Repeater	80.18	334	Iamb	Iamb	04 36 06.9
L27K	Beaver Creek	80.28	336	Iamb	Iamb	04 36 07.6
L27K	Beaver Creek	80.28	336	P	P	04 35 54.2 +0.9
F30M	Barrier River	80.32	341	P	P	04 35 53.4 +0.1
GLB	Gilahina Butte	80.42	334	Iamb	Iamb	04 36 08.1
H29M	Whitestone	80.46	339	Iamb	Iamb	04 36 07.5
H29M	Whitestone	80.46	339	P	P	04 35 54.3 +0.1
PAB	San Pablo	80.50	49	P	P	04 35 55.4 +0.4
PAB	San Pablo	80.50	49	P	P	04 35 55.2 +0.2
PAB	San Pablo	80.50	49	P	pmax	04 35 55.4 +0.4
BMRM	Bremner River	80.58	333	P	P	04 35 54.4 -0.6
I28M	Miner Creek	80.65	338	Iamb	Iamb	04 36 19.9
I28M	Miner Creek	80.65	338	P	P	04 35 55.7 +0.4
G29M	Pine Creek	80.69	340	Iamb	Iamb	04 36 08.4
G29M	Pine Creek	80.69	340	P	P	04 35 55.4 0.0
EGAK	Eagle	80.79	338	IAMS_20	IAMS_20	05 13 28.1
EGAK	Eagle	80.79	338	P	P	04 35 56.2 +0.3
Q23K	Middleton Isla	80.80	332	P	P	04 35 56.3 +0.3
K27K	Chicken	80.81	337	Iamb	Iamb	04 36 10.0
K27K	Chicken	80.81	337	P	P	04 35 56.2 +0.2
ESDC	Sonsec Array	80.81	49	P	P	04 35 56.4 -0.2
ESDC	Sonsec Array	80.81	49	P	LR	05 11 19.7
ESBB	Sonsec Array	80.82	49	P	P	04 35 57.2 +0.5
N25K	Chitna, Valde	80.84	334	P	P	04 35 56.7 +0.4
L26K	Log Cabin Wild	80.89	336	P	P	04 35 56.9 +0.4
VNA3	Neumayer Olymp	80.98	162	↑P	P	04 35 56.6 -0.2
VNA1	Neumayer-Stat	81.24	161	↑P	P	04 35 58.2 0.0
I27K	Kandik River	81.34	338	P	P	04 35 59.2 +0.3
E29M	Blow River	81.41	341	Iamb	Iamb	04 36 12.1
E29M	Blow River	81.41	341	IAMS_20	IAMS_20	05 14 36.5
E29M	Blow River	81.41	341	P	P	04 35 58.8 -0.3
SCRK	Sand Creek	81.55	336	P	P	04 35 60.0 -0.2
H27K	Steamboat Moun	81.59	339	P	P	04 36 00.4 +0.2
VNA2	Neumayer-Watz	81.59	162	↑P	P	04 35 59.7 -0.4
J26L	Joseph Creek	81.60	337	P	P	04 36 01.0 +0.6
J26L	Joseph Creek	81.60	337	Iamb	Iamb	04 36 13.6
J26L	Joseph Creek	81.60	337	P	P	04 36 00.5 +0.1
F28M	Old Crow	81.67	340	P	P	04 36 00.1 -0.5
F28M	Old Crow	81.67	340	P	P	04 36 02.5 +1.0
NEEM	North Greenlan	81.70	6	iP	Iamb	04 36 00.3 -0.6
NEEM	North Greenlan	81.70	6	Iamb	Iamb	04 36 04.4
M24K	Tolsona, Glenn	81.72	334	P	P	04 36 00.7 -0.3
PAX	Paxson	81.75	335	P	P	04 36 00.9 -0.3
G27K	Deoy Stri	81.90	339	P	P	04 36 01.4 -0.5
E28M	Babbage River	82.04	341	Iamb	Iamb	04 36 14.9
E28M	Babbage River	82.04	341	P	P	04 36 02.4 -0.1
SCM	Sheep Creek Mo	82.12	334	P	P	04 36 03.1 -0.1
SCM	Sheep Creek Mo	82.12	334	Iamb	Iamb	04 36 15.9
SCM	Sheep Creek Mo	82.12	334	P	P	04 36 02.3 -0.9
SCM	Sheep Creek Mo	82.12	334	P	pmax	04 36 03.1 -0.1
D28M	Stos Point	82.15	342	P	P	04 36 02.6 -0.4
K24K	Donnelly Dome	82.20	336	P	P	04 36 03.4 -0.1
TOAO	Tordi Ar. Sit	82.21	76	Iamb	Iamb	04 36 29.0
TORD	Tordi Ar. Bea	82.21	76	P	P	04 36 03.8 -0.8
TORD	Tordi Ar. Bea	82.21	76	P	P	04 36 03.7 -0.8
TORD	Tordi Ar. Bea	82.21	76	P	PKKbpc	04 54 33.5 +1.0
TORD	Tordi Ar. Bea	82.21	76	LR	LR	05 12 24.9
M23K	Glacier River	82.29	334	P	P	04 36 03.7 -0.2
J25K	Salcha River	82.36	337	Iamb	Iamb	04 36 17.2
J25K	Salcha River	82.36	337	P	P	04 36 04.2 -0.1
E27K	Coleen River	82.51	341	Iamb	Iamb	04 36 17.9
E27K	Coleen River	82.51	341	P	P	04 36 05.1 +0.1
SML	Sawmill	82.56	334	Iamb	Iamb	04 36 17.6
WAT6	Susitna Watana	82.57	334	P	P	04 36 05.3 -0.3
G26K	Porcupine River	82.72	339	P	P	04 36 06.2 +0.2
CART	Cartagena	82.73	52	IAMS_20	IAMS_20	05 05 17.1
PRP	Porcupine Dome	82.78	337	IAMS_20	IAMS_20	05 14 17.6
PRP	Porcupine Dome	82.78	337	P	P	04 36 06.6 0.0
D27M	Malcolm River	82.80	342	IAMS_20	IAMS_20	05 15 51.3
D27M	Malcolm River	82.80	342	P	P	04 36 06.7 +0.2
PMR	Palmer	82.85	333	P	P	04 36 06.9 +0.1
HDA	Harding Lake	82.91	336	Iamb	Iamb	04 36 23.6
HDA	Harding Lake	82.91	336	P	P	04 36 07.0 -0.1
RC01	Rabbit Creek A	82.96	333	Iamb	Iamb	04 36 13.2
RC01	Rabbit Creek A	82.96	333	P	P	04 36 07.2 -0.2
BRSE	Bradley Lake S	83.00	331	P	P	04 36 07.7 0.0
WAT1	Susitna Watana	83.01	334	P	P	04 36 07.4 -0.3
ILAR	Malcolm Array	83.02	337	P	P	04 36 06.6 -1.1
ILAR	Malcolm Array	83.02	337	PP	PP	04 39 20.5 +1.8
ILAR	Malcolm Array	83.02	337	LR	LR	05 15 55.1
ROSF	Rostranen	83.07	41	eP	pmax	04 36 08.1 -0.1
ROSF	Rostranen	83.07	41	pmax	pmax	

FYU	Fort Yukon	83.09	338	Iamb	Iamb	04 36 21.3
F25K	Sheehik River	83.16	340	P	P	04 36 08.6 +0.

18d 4h

Table with columns for station ID, name, frequency, and other technical details. Includes stations like O18K Koktuh Hills, E23K Chandalar, L20K Farewell, AK, R17K Ugashik Creek, etc.

2017 NOV

Table with columns for station ID, name, frequency, and other technical details. Includes stations like G18K Tagagawik, G18K Tagagawik, B1AIF Baives, B20K Meade River, etc.

1276

Table with columns for station ID, name, frequency, and other technical details. Includes stations like ABTA Abfattersberg, LESA Schwarzleitz, WET Wetzell, CLL Collim, etc.

18d 5h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CURV Curarigua, SANV Sanarito, and many others.

2017 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like FLOC Florencia, BCIP Isla Barro Col, and many others.

1280

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Y52A Lilburn, BBSO Serra de San D, and many others.

Table with columns: Station, Location, Frequency, Power, Mode, and Date/Time. Includes stations like Rio Claro-Sao, Cedar Bluff, Sierra La Lagu, Valinhos, Crissumal, etc.

Table with columns: Station, Location, Frequency, Power, Mode, and Date/Time. Includes stations like Vestal, Halley, Mina Array Sit, Little Hooton, etc.

Table with columns: Station, Location, Frequency, Power, Mode, and Date/Time. Includes stations like Tsightchic, Somme Creek, Mount Dempster, Barlow Dome, etc.

18d 6h

Table with columns: ID, Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Position, Date, Time, and other parameters. Includes entries like F24K Squaw Lake, NEA2 Nenana, M22K Willow, etc.

2017 NOV

Table with columns: ID, Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Position, Date, Time, and other parameters. Includes entries like KHC Kasperske Hory, F19K Shalericuk Mo, GEC2 GERES Array B, etc.

1282

Table with columns: ID, Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Position, Date, Time, and other parameters. Includes entries like WMQ Urumqi, HHC Hu-ho-hao-te, XAN Xian, etc.

Table with columns: HNR, WRA, ASAR, GSPA, ILAR. Includes station names like 503nm,0.3s,baz=210,slow=9.7,SNR=1.9 and Warramunga Arr 27.70 247 P.

SJA 18 08:01:01.0-0.9,31.61S:69.62W,h118km,6km,ML3.7, MW3.6
GUC 18 08:01:02.0-0.7,31.62S:69.83W,h130km,6km,ML3.7
ISC 18 08:01:03.3-1.7,31.61S:0.003:69.61W,0.04, h116km,13km,n36,69Z/57.7C-3D,San Juan Province

Main table for station 1285 with columns: Code, Station Name, Az, El, Phase ID, Time, Res, H m s, ISC. Includes stations like Leoncito, Zonda, Cerro Villavic, Cerro Coronel, etc.

RSNC 18 08:01:34.5-0.9,8.37N:71.91W,h0km,4km,ML2.4
FUNIV 18 08:01:35.0,7.90N:71.73W,h24km,MW3.1
ISC 18 08:01:31.9-1.3,8.42N:0.005:71.86W,0.04,h12km,12km, n11,c150/21, Venezuela

Table for station 1285 (continued) with columns: Code, Station Name, Az, El, Phase ID, Time, Res, H m s, ISC. Includes stations like Capacho, Sompols, Pamp, etc.

Table for station 2017 NOV (top) with columns: BAUV, BENV, ZALV, ZALV, ZALV, KURBB, KURBB, KURBB, MKAR, IS34MM. Includes station names like Zalesovo Beam, Kurchatov Arra, etc.

IDC 18 08:03:49.0-4.1,53.90N:90.86E,h0km,mbtmp2.8/3, ML2.5/3, Error ellipse: s-maj=42.5km s-min=25.5km az=27.0, Southwestern Siberia

IDC 18 08:09:17.8-0.8,32.28N:141.140E,h0km,mb4.0/12, mbmp4.0/14,ML3.4/2,MS3.3/7, Error ellipse: s-maj=25.7km s-min=15.2km az=63.0
NIED 18 08:09:17.8,32.38N:141.79E,h66km,MW4.1,Moment Tensor Solution. s3 Moment tensor: Scale 105Nm; Mn:0.76; M0:0.14; M00:-0.90; M01:1.17; M02:1.08; Fault plane solution: M1.770000x10^15 NP1:0.7,0.000000, 0.78,0.000000, 1.107,0.000000. NP2:0.165,0.000000, 0.21,0.000000, 1.37,0.000000.

JMA 18 08:09:17.8-0.8,32.28N:141.140E,h66km,MV3.9/22,E OFF HAOHUOJIMA ISLAND
NEIC 18 08:09:19.1-1.7,32.5N:0.1,141.6E,0.1,h10km,8km, mb4.4/12, Error ellipse: s-maj=17.8km s-min=16.4km az=199.0

ISC 18 08:09:18.0-0.6,32.35N:0.005:141.64E,0.08,h10km,n63, 0161/57,mb4.2/17,MS3.4/5, Southeast of Honshu

Main table for station 2017 NOV (bottom) with columns: Code, Station Name, Az, El, Phase ID, Time, Res, H m s, ISC. Includes stations like Hachijojimakas, JHUJ, JHJ, JMK, etc.

Table for station 18d 8h (top) with columns: FINES, KBZ, NVAR, BRTR, PPT, LPAZ. Includes station names like FINESS Array B, Esquipulas, etc.

CATAC 18 08:11:35.0-0.3,15.63N:89.37W,h4km,3km,ML4.0, Hypocentre not reviewed by the ISC
SNET 18 08:11:35.4-1.9,15.60N:89.33W,h6km,10km,ML3.8
GCG 18 08:11:41.1-0.8,15.15N:89.36W,h16km,11km,MD3.9
ISC 18 08:11:33.9-1.4,15.63N:0.04:89.32W,0.05,h17km,13km, n21,c067/27,SD, Guatemala

Table for station 18d 8h (middle) with columns: Code, Station Name, Az, El, Phase ID, Time, Res, H m s, ISC. Includes stations like IZABA, Esquipulas, etc.

ISC 18 08:11:35.0-0.3,15.63N:89.37W,h4km,3km,ML4.0, Hypocentre not reviewed by the ISC

Main table for station 18d 8h (bottom) with columns: Code, Station Name, Az, El, Phase ID, Time, Res, H m s, ISC. Includes stations like NBG, LLGN, GUMI, etc.

18d 9h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NorthernBC 1, White Mountain, NorthernBC 3, etc.

SOME 18 08:48:17.7, 41.30N:70.63E, h5km
KRNET 18 08:48:19.6, 41.31N:70.67E, h18km, mb2.6
NMC 18 08:48:20.0, 41.34N:70.77E, h0km, mb3.2, mpv2.7

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Terek-Say, luzhnay, Arkit, etc.

2017 NOV

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

IDC 18 08:51:30.0, 2.0, 21.69N:143.24E, h256km, 18km, mb3.4/14, mbtmp4.0/16, Error ellipse: s-maj=21.4km s-min=12.7km az=85.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Chichijima, Matsuhiro Arr, Warramunga Arr, etc.

IDC 18 08:54:39.4, 19.0, 21.49S:179.10E, h578km, 181km, mb3.1/3, mbtmp4.1/4, Error ellipse: s-maj=512.5km s-min=107.0km az=89.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Nonsavu, Stephens Creek, Alice Springs, Warramunga Arr, etc.

IDC 18 09:00:29.0, 2.0, 31.61N:139.66E, h0km, mb4.2/21, mbtmp4.2/26, ML3.7/5, MS4.0/6, Error ellipse: s-maj=16.6km s-min=13.4km az=71.0

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

1286

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Ise, Tanabenahech, Inuyama, Koyua, Ryogami san, etc.

18d 10h

Table of astronomical observations for 18d 10h, listing stations like TPW, RLMT, Q12A, etc., with columns for station name, coordinates, and observation details.

2017 NOV

Main table of astronomical observations for 2017 NOV, listing stations like KK31, TKM2, TKM2, etc., with columns for station name, coordinates, and observation details.

1288

Table of astronomical observations for 1288, listing stations like SONM, AAK, KURBB, etc., with columns for station name, coordinates, and observation details.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like PB04 IPOC Station P, PB06 IPOC Station P, AF01 San Pedro de A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like RCLB Rio Claro-Sao, SPB Sao Paulo, SPB Petrol, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like TKL Tuckaleechee C, HNDO Hondo, V52A Sevierville, etc.

18d 10h

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like VNA2 Neumayer-Watz, OMSA Odessa, GDMA Mountain Grove, etc.

2017 NOV

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like KIC Kosan Boka, KDB Dimbokro, DBIC Dimbokro, etc.

1290

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like PDAR Pinedale Array, PDAR Hardware Ranch, HWUT Hardware Ranch, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TOAO, GUMU, OOD, AS31, ASAR, ASAR, ASAR, etc.

Table with columns: HLID, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BGU, HVU, MKAR, ZALV, ZALV, FWXY, etc.

Table with columns: PDGK, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KNDC, BLB, ARXS, ARXS, ARXS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Rows include H11S1 WAKE ISLAND Hy 22.39 71 T, H11S2 WAKE ISLAND Hy 22.39 71 T, H11N1 WAKE ISLAND Hy 22.87 68 T, etc.

IDC 18 13:12:10.1±2.2, 17.06N:101.01W, h0km, mb3.4/3, mbtmp3.3/6, ML3.0/3, MS2.6/1, Error ellipse: s-maj=47.4km s-min=23.3km az=20.0

MEX 18 13:12:19.5±1.8, 17.748N:100.98W, h23km, 17km, MD4.1, ISC 18 13:12:14.9±1.2, 17.49N:103.03W, 100.94W, 0.02, h13km, 9km, n34, ±121/52, mb3.5/3, Guerrero

Main table for 1295 containing station data for various locations like PET2 Petatlan, ZIIG Zihuatanejo, ATYC Atoyac, etc.

IDC 18 13:18:21.6±0.9, 27.98N:65.79E, h0km, mb3.7/9, mbtmp3.7/10, ML3.5/1, MS3.1/2, Error ellipse: s-maj=24.9km s-min=22.8km az=130.0

ISC 18 13:18:23.1±0.9, 28.0N:02.65E, 0.2, h10km, n12, ±0544/11, mb3.8/9, Pakistan

Main table for 1295 containing station data for various locations like WSAR Wadi Sarin, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

IDC 18 13:20:55.6±0.8, 17.55S:67.96W, h215km, 5km, mb3.4/8, mbtmp4.0/14, Error ellipse: s-maj=17.8km s-min=12.8km az=46.0

SCB 18 13:20:56.8±1.0, 17.76S:68.11W, h209km, 9km, ML3.9/5, MW4.0, Error ellipse: s-maj=4.2km s-min=3.8km az=29.0

ISC 18 13:20:55.7±0.7, 17.71S:0.46E, 0.68, 0.8W, 0.06, h219km, 6km, n12

Main table for 2017 NOV containing station data for various locations like n43, ±134/57, mb3.7/8, Central Bolivia, SOEJ Jacaque, SJOEO Opoqueri, etc.

IDC 18 13:24:32.8±1.0, 31.34N:139.25E, h0km, mb3.5/6, mbtmp3.5/7, ML2.6/1, Error ellipse: s-maj=43.0km s-min=22.2km az=95.0

ISC 18 13:24:34.5±1.0, 31.35N:0.139E, 0.2, h10km, n17, ±220/16, mb3.4/6, Southeast of Honshu

Main table for 2017 NOV containing station data for various locations like JHJ Hachijo jima 2, MJAR Matsushiro Arr, H11N2 WAKE ISLAND Hy 27.34 109 T, etc.

KRSC 18 13:47:21.9±1.4, 54.39N:168.07E, h25km, 23km, MI3.8, Komandorski Islands region

Table for KRSC containing station data for various locations like BKI Bering, BKI Bering, BKTR Krutobergovo, etc.

Table for TUMD containing station data for various locations like TUMD Tumrok D, KMNr Kamenistaya, SDRL Sedlovina, etc.

DJA 18 13:48:28.0±0.9, 5.5S:4.703E, h18km, 8km, M4.5/14, mb4.7/5, mbs.23, ML4.5/14, Mwmb4.5/9

IDC 18 13:48:29.7±0.9, 5.14S: 103.31E, h54km, 8km, mb3.9/17, mbtmp4.2/18, MS3.0/4, Error ellipse: s-maj=23.0km s-min=12.0km az=58.0

NEIC 18 13:48:30.7±1.7, 5.05S:0.2103E, 0.2, h46km, 8km, mb4.4/19, Error ellipse: s-maj=32.8km s-min=10.3km az=46.0

ISC 18 13:48:29.1±0.5, 5.23S:0.07E, 103.38E, 0.06, h49km, n86, ±135/73, mb4.3/27, Southern Sumatra

Main table for 18d 13h containing station data for various locations like LWLI Liwa, MNAI Manna, KASI Kota Agung, etc.

18d 14h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like ABKAR, MAW, ARU, KBZ, MATP, BRTR, VVDA, QSPA, BURAR, FINES, BDFB, TXAR.

BER 18 14:01:20.9; 1.9, 71.29N; 4.44W, h10km, mb(Pn)4.0, Confirmed Earthquake
IDC 18 14:01:23.8; 3.7, 71.44N; 2.10W, h0km, mb3.8/1, mbtmp3.8/7, ML3.2/6, MS3.3/18, Error ellipse: s-maj=54.7km s-min=26.6km az=97.0
ISC 18 14:01:19.2; 1.0, 71.54N; 0.10; 4.24W; 0.09, h10km, n41, c250/20, MS3.2/16, Jan Jayen Island region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like DBG, DQG, LOF, HSPB, TRO, KONS, FAUS, BRBA, JETT, KBS, SPAO, SPIT, MORB, KTK1, HEF, ARAD, ARCES, KEV, NOA, HFS, FINES, EKA, RES, VRAC, FRB, AKASG, BELG, MLR, KVAR, YKA, MDT, IDI, SADO, NEWO, YBH, ANMO, NVAR, TXAR, LBTB.

NOU 18 14:02:01.9; 23.08S; 175.61W, h331km, mb4.4/23, Tonga Islands Region
IDC 18 14:02:41.2; 1.6, 24.33S; 179.44W, h460km, 15km, mb3.7/8, mbtmp4.5/10, Error ellipse: s-maj=21.9km s-min=15.5km az=150.0
NEIC 18 14:02:44.6; 1.8, 24.33S; 0.1; 179.6W; 0.2, h492km, 14km, mb4.3/26, Error ellipse: s-maj=22.8km s-min=18.6km az=119.0
ISC 18 14:02:44.6; 0.6, 24.30S; 0.08; 179.58W; 0.09, h500km, n80, c159/82, mb4.3/18, South of Fiji Islands

2017 NOV

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like RAO, MSVF, MARNC, PINNC, OUENC, LIFOU, DZM, DVP, URZ, RTZ, BKZ, MRZ, MRZ, TUWZ, THZ, DSZ, INZ, INZ, EIDS, EIDS, INGC, CMB, CAN, CAN, CMA, CTA, CTAO, CTOO, TOO, QLP, TAU, TAU, MTSU, STKA, STKA, STKA, PMG, PMG, INKA, COEN, COEN, HHT, LCRK, QIS, BBOO, BBOO, MUD, OOL, AS31, ASAR, ASAR, ASAR, ASAR, WR0, WR0, WR0, WRB, WRB, WRB, WRA, WRA, WRA, FORT, FORT, WRKA, MNTN, KNRA, KHU, QSPA, BELA, NVAR, W18A, TXAR, ILAR, ARCES, ARCES, FINES, HFS, BRTR, BRTR, MMAT, EKA, CLL.

TAP 18 14:12:10.7; 21.79N; 119.93E, h68km, ML3.6, D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like TWP, TWP, HEN, HEN, HEN, TWK1.

1296

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like TWK1, TWKB, TWKB, TWKB, SCZT, SCZT, WSSB, WSSB, SLIU, SLIU, SNJT, SNJT, EAST, EAST, EAST, TAWH, TAWH, MASBT, MASBT, MASBT, TAW, TAW, TSMG, TSMG, SSD, SSD, SCST, SCST, SCST, ECL, ECL, ECL, TAI1, TAI1, SHHT, SHHT, SHHT, CHN3, CHN3, CHN3, TSCK, TSCK, TSCK, SLGT, SLGT, SLGT, SSHA, SSHA, SSHA, SCLT, SCLT, SCLT, SGST, SGST, SGST, TWG, TWG, TWG, TWGB, TWGB, TWGB, TWGBT, TWGBT, TWGBT, VCHM, VCHM, VCHM, CHN1, CHN1, CHN1, CHN1, SNST, SNST, SNST, TWK, TWK, TWK, CHN8, CHN8, CHN8, LONT, LONT, LONT, STYH, STYH, STYH, STYH, WTP, WTP, WTP, ICHU, ICHU, ICHU, TPUB, TPUB, TPUB, CHN4, CHN4, CHN4, ELDTW, ELDTW, ELDTW, EDH, EDH, EDH, PHUB, PHUB, PHUB, WCKO, WCKO, WCKO, CHY, CHY, CHY, EHD, EHD, EHD, PNG, PNG, PNG, CHN2, CHN2, CHN2.

1297

Table with columns: CHN2, FULB, ALS, CHNS, WTK, WDLH, WDLH, TWFI, TWFI, EYUL, EYUL, YULB, YULB, WHYT, WHYT, EHY, EHY, WRL, WRL, WJS, WJS, WJS, HGSD, WNT, SSSLB, SSSLB, VWDT, SMLT, SMLT, TYC, TYC, EGFH, WARBT, WARBT, WCS, WCS, ESL, ESL, TCU, WUSB, WUSB, CHGB, CHGB, ETM, LXIB, LXIB, WHF, WHP, WHP, TWQ1, TWQ1, TWQ1, TDCB, TDCB, TWT, TWT, TWT, ET LH, NACB, NNSB, NNSB, KNM, NNTT, NNTT, NNTT, NFF, NFF, LATG, EWUT, NDT, NSK, YHNB, YHNB, FUSB, FUSB, JMA 18 14:17:56.0, 122.49E, 136km, 3m, TAP 18 14:17:57.0, 122.49E, 136km, 3m, ISC 18 14:17:57.0, 122.49E, 136km, 3m, n85, e111/146, Taiwan region

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

2017 NOV

Table with columns: E0S2, E0S2, Y0J, Y0J, EWUT, EWUT, ENA, ENA, TWC, TWC, ETL, ETL, TWD, TWD, NACB, NACB, NDS, NDS, ETL, ETL, ETLH, ETLH, LXIB, LXIB, ESL, ESL, ESL, ESL, TWE, TWE, TWE, TWE, IRIF, IRIF, ENTT, ENTT, EGFH, EGFH, EGFH, EGFH, NDT, NDT, WARBT, WARBT, FUSB, FUSB, FUSB, FUSB, NNSB, NNSB, TIPB, TIPB, TIPB, TIPB, HGSD, HGSD, WHF, WHF, WHF, WHF, NWLT, NWLT, NWLT, NWLT, FUS, FUS, SX1, SX1, SX1, SX1, ECBN, ECBN, EHY, EHY, EHY, EHY, WFSB, WFSB, YHNB, YHNB, YHNB, YHNB, CHGB, CHGB, CHGB, CHGB, OWD, OWD, OWD, OWD, NSK, NSK, NSK, NSK, TWT, TWT, TWT, TWT, TWA, TWA, TDCB, TDCB, TDCB, TDCB, YULB, YULB, YULB, YULB, WUSB, WUSB, WUSB, WUSB, EYUL, EYUL, EYUL, EYUL, WVDT, WVDT, WVDT, WVDT, TWFI, TWFI, TWFI, TWFI, TATO, TATO, TATO, TATO, FULB, FULB, FULB, FULB, CHKT, CHKT, CHKT, CHKT, JJJ, JJJ, JJJ, JJJ

18d 14h

Table with columns: JLI, JLI, NFF, NFF, TWS1, TWS1, SSSLB, SSSLB, WHP, WHP, WCS, WCS, EHD, EHD, EHD, EHD, SMLT, SMLT, LIOB, LIOB, EDH, EDH, EDH, EDH, TYC, TYC, WHYT, WHYT, ELDTW, ELDTW, ELDTW, ELDTW, JISG, JISG, ALS, ALS, ALS, ALS, WJS, WJS, WJS, WJS, LONT, LONT, LONT, LONT, WNT, WNT, WNT, WNT, CHNS, CHNS, CHNS, CHNS, TWGBT, TWGBT, TWGBT, TWGBT, TWG, TWG, TWG, TWG, STYH, STYH, STYH, STYH, WDLH, WDLH, WDLH, WDLH, WCKO, WCKO, WCKO, WCKO, TPUB, TPUB, TPUB, TPUB, WTP, WTP, WTP, WTP, WRL, WRL, WRL, WRL, WTK, WTK, WTK, WTK, SLGT, SLGT, SLGT, SLGT, SGST, SGST, SGST, SGST, CHN1, CHN1, CHN1, CHN1, TWK, TWK, TWK, TWK, ECL, ECL, ECL, ECL, SNST, SNST, SNST, SNST, SNST, SNST, SNST, SNST, TSMG, TSMG, TSMG, TSMG, MASBT, MASBT, MASBT, MASBT

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

18d 14h

SOME 18 14:21:47.2,42.53N,79.55E,h15km
NMC 18 14:21:47.4,0.6,42.58N,79.56E,h0km,mb4.1,mpv4.0,
Error ellipse: s-maj=3.6km s-min=1.9km az=143.0
KRNET 18 14:21:47.9,0.1,42.59N,79.53E,h19km,mb3.6
ISC 18 14:21:48.5,1.1,42.57N,0.04,79.59E,0.03,h10km,n88,

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

2019 NOV

Main table with columns: MTBS, Maitube, Time, Res, ISC. Lists seismic events with station names and magnitudes.

1298

Table with columns: KKAR, Karatay Array, Time, Res, ISC. Lists seismic events and station data for the 1298 series.

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res	SBCB	baz=281	S	Sn	14 44 06.9	+0.3	WTCT	baz=241	i	S	Sn	14 44 25.6	-0.1					
						h m s	ISC																		
TWE	Neicheng	0.05	311	↑	P	14 43 51.7	+0.2	WTF	Hehuan Shan	0.68	217	↑	i	P	Sn	14 44 56.3	+0.1	WTK	Tuku	1.56	231	P	Pn	14 44 05.8	-0.9
TWE	baz=313			i	S	14 43 59.4	+0.2	WHF	baz=215			i	S	Sn	14 44 07.4	-0.1	WTK	baz=235			i	S	Sn	14 44 26.1	-0.2
NDS	Dongshan	0.05	174	P	Pn	14 43 51.7	+0.2	NHW	Xinwu Township	0.68	298	i	P	Pn	14 43 55.9	+0.1	EHD	Haiduan	1.60	197	P	Pn	14 44 06.5	-0.8	
NDS	baz=204			i	S	14 43 59.5	+0.3	NHW	baz=298			i	S	Sn	14 44 07.3	+0.4	EHD	baz=194			e	S	Sn	14 44 27.5	+0.3
ILA	Ilan	0.09	24	i	P	14 43 52.0	+0.5	HSN	Hsinchu	0.68	280	i	P	Sn	14 43 55.6	-0.2	WCKO	Fanlu	1.60	219	P	Pn	14 44 07.7	+0.4	
ILA	baz=7.0			S	Sn	14 44 00.0	+0.8	HSN	baz=284			e	S	Sn	14 44 06.6	-0.2	WCKO	baz=230			S	Sn	14 44 28.4	+1.1	
FUSB	Fushanzhiwuyua	0.13	303	↑	P	14 43 51.6	-0.1	HWA	Hwalien	0.71	188	i	P	Pn	14 43 55.6	-0.5	ELDTW	Lidau	1.62	203	i	P	Pn	14 44 07.1	-0.6
FUSB	baz=310			S	Sn	14 43 59.3	-0.3	HWA	baz=199			e	S	Sn	14 44 07.2	-0.2	ELDTW	baz=204			S	Sn	14 44 28.4	+0.5	
ENTT	Nioudou	0.14	250	↑	P	14 43 51.8	+0.2	LXIB	Xiulin Townshi	0.72	202	P	Pn	14 43 55.4	-1.0	ECS	Chishang	1.65	196	P	Pn	14 44 07.1	-0.8		
ENTT	baz=273			i	S	14 43 59.5	0.0	LXIB	baz=198			S	Sn	14 44 07.1	-0.7	ECS	baz=202			S	Sn	14 44 29.2	+0.9		
TWC	Suao	0.15	121	i	P	14 43 52.2	+0.6	ETM	Tongmen	0.74	195	↑	P	Pn	14 43 55.3	-1.2	CHY	Chiayi	1.67	225	i	P	Pn	14 44 08.1	-0.1
TWC	baz=112			e	S	14 44 00.3	+0.7	ETM	baz=200			S	Sn	14 44 06.8	-1.3	CHY	baz=238			i	S	Sn	14 44 29.4	+0.6	
NDT	Datong Townshi	0.20	245	i	P	14 43 52.0	+0.1	NJN	Zhunan	0.76	270	P	Pn	14 43 56.6	-0.1	CHN4	Tsushan	1.68	218	i	P	Pn	14 44 08.6	+0.4	
NDT	baz=260			S	Sn	14 43 59.7	-0.2	NJN	baz=272			S	Sn	14 44 09.0	+0.5	CHN4	baz=223			S	Sn	14 44 31.5	+2.5		
NTC	Toucheng	0.20	33	P	Pn	14 43 52.7	+0.8	CHGB	Renai	0.79	218	↓	P	Pn	14 43 57.7	+0.4	TPUB	Ta-pu	1.70	216	P	Pn	14 44 08.8	+0.2	
NTC	baz=14			S	Sn	14 44 00.6	+0.7	CHGB	baz=216			S	Sn	14 44 10.0	+0.6	TPUB	baz=221			P	Pn	14 44 09.1	+0.5		
NWLT	Wulai	0.21	296	i	P	14 43 51.7	-0.2	WHP	Taichung City	0.81	240	i	P	Pn	14 43 57.9	+0.6	TPUB	baz=221			S	Sn	14 44 30.5	+0.9	
NWLT	baz=309			i	S	14 43 59.5	-0.6	WHP	baz=251			i	S	Sn	14 44 09.7	+0.2	STYH	Taoyuan	1.73	210	P	Pn	14 44 10.2	+1.2	
LATG	Datong	0.23	228	P	Pn	14 43 52.3	+0.2	NMLH	Miaoli	0.85	260	i	P	Pn	14 43 57.7	0.0	STYH	baz=225			S	Sn	14 44 31.5	+1.1	
LATG	baz=245			S	Sn	14 44 00.5	+0.1	NMLH	baz=262			i	S	Sn	14 44 10.1	-0.1	WTP	Ta-pu	1.75	215	i	P	Pn	14 44 09.5	+0.2
EWUT	Wuta	0.25	165	i	P	14 43 52.1	0.0	OWD	Renai	0.88	214	i	P	Pn	14 43 58.4	+0.2	WTP	baz=217			i	S	Sn	14 44 33.0	+2.2
ENA	Nanau	0.26	174	i	P	14 43 51.9	-0.3	OWD	baz=214			e	S	Sn	14 44 10.9	-0.1	TWK	Hsiinyng	1.80	219	i	P	Pn	14 44 10.6	+0.6
ENA	baz=180			i	S	14 44 01.9	+1.4	OWD	baz=214			e	S	Sn	14 44 10.9	-0.1	TWK	baz=224			S	Sn	14 44 32.9	+0.8	
TIPB	Shuangxi	0.30	20	i	P	14 43 52.8	+0.3	WUSB	Renai	0.88	218	i	P	Pn	14 43 58.9	+0.8	SNST	Tainan City	1.83	217	i	P	Pn	14 44 11.4	+1.0
TIPB	baz=6.0			S	Sn	14 44 00.8	-0.2	WUSB	baz=218			i	S	Sn	14 44 11.2	+0.2	SNST	baz=223			i	S	Sn	14 44 34.9	+2.1
YHNB	Yeheng	0.30	267	P	Pn	14 43 52.1	-0.4	ESL	Shilin	0.91	196	i	P	Pn	14 43 56.7	-1.7	CHN1	Nanshi	1.84	216	i	P	Pn	14 44 10.7	+0.2
NSK	Sanguang	0.32	268	i	P	14 43 52.3	-0.3	ESL	baz=194			i	S	Sn	14 44 10.4	-1.0	CHN1	baz=222			S	Sn	14 44 33.9	+0.8	
NSK	baz=280			i	S	14 44 00.5	-0.8	NSY	Sanyi	0.91	253	i	P	Pn	14 43 58.9	+0.5	ICHU	Yijhu	1.86	225	i	P	Pn	14 44 11.0	+0.4
NHHD	Xindian Distri	0.32	329	i	P	14 43 52.5	-0.1	NSY	baz=255			i	S	Sn	14 44 11.4	0.0	ICHU	baz=239			i	S	Sn	14 44 34.4	+1.1
NHHD	baz=322			S	Sn	14 44 00.9	-0.3	TWQ1	Liyutan	0.92	249	i	P	Pn	14 43 58.5	-0.1	IRIF	Iriomote-Funau	1.87	100	P	Pn	14 44 10.6	-0.2	
TATO	Taipei	0.35	325	P	Pn	14 43 52.4	-0.3	TWQ1	baz=251			i	S	Sn	14 44 12.0	+0.3	IRIF	IRIF	1.90	213	i	P	Pn	14 44 11.1	-0.2
NHY	Taipei	0.37	340	i	P	14 43 53.1	+0.1	WCS	Beigang Elemen	0.96	229	P	Pn	14 43 59.9	+0.8	SGST	Jiashian	1.90	213	i	P	Pn	14 44 34.2	-0.2	
NHY	baz=331			S	Sn	14 44 01.8	0.0	WCS	baz=241			e	S	Sn	14 44 13.3	+0.8	SGST	baz=228			S	Sn	14 44 31.1	+0.4	
NWF	Wu-fen Shan	0.39	10	i	P	14 43 53.3	+0.2	WCS	baz=241			e	S	Sn	14 44 13.3	+0.8	CHN8	Yiju	1.91	226	i	P	Pn	14 44 11.8	+0.4
NWF	baz=358			e	S	14 44 02.7	+0.6	WPL	Puli Township	0.96	226	P	Pn	14 43 59.9	+0.8	CHN8	baz=239			i	S	Sn	14 44 36.0	+1.4	
WFSB	Wu-fen Shan	0.39	10	P	Pn	14 43 53.2	+0.1	WPL	baz=238			S	Sn	14 44 13.4	+0.9	SLGT	Liugu	1.95	210	i	P	Pn	14 44 12.5	+0.7	
WFSB	baz=359			e	S	14 44 03.4	+1.4	DPDB	Guoxing	0.97	228	e	P	Pn	14 44 01.1	+1.9	SLGT	baz=226			S	Sn	14 44 36.8	+1.3	
BACT	New Taipei Cit	0.39	322	i	P	14 43 53.2	+0.2	TEGC	Jichi Village	0.99	189	P	Pn	14 43 58.4	-0.9	SLGT	baz=226			S	Sn	14 44 10.1	-1.8		
BACT	baz=322			S	Sn	14 44 02.1	0.0	TEGC	baz=200			S	Sn	14 44 14.6	+1.5	TWG	Pinglang	1.95	198	i	P	Pn	14 44 35.7	+0.2	
NNS	Nan Shan	0.39	231	i	P	14 43 53.4	+0.2	WARBT	Fenglin Townsh	1.01	197	P	Pn	14 43 58.0	-1.7	TWG	baz=198			S	Sn	14 44 10.5	-1.4		
NNS	baz=236			e	S	14 44 02.3	0.0	WARBT	baz=198			e	S	Sn	14 44 13.3	-0.4	TWGBT	Beinan	1.95	197	P	Pn	14 44 10.0	-1.9	
NNSB	Datong	0.39	229	e	S	14 43 53.7	+0.5	WDJ	Dajia District	1.03	251	i	P	Pn	14 44 00.3	+0.4	TWGBT	Beinan	1.95	197	P	Pn	14 44 10.0	-1.9	
NNSB	baz=235			i	S	14 44 02.0	-0.3	WDJ	baz=254			i	S	Sn	14 44 14.6	+0.5	TWGBT	baz=198			S	Sn	14 44 34.6	-0.9	
NNSH	Datong	0.39	229	i	P	14 43 53.5	+0.3	EGFH	Guangfu	1.05	194	P	Pn	14 43 57.9	-2.2	HATJ	Hateruma jima	2.01	108	e	S	Sn	14 44 37.5	+0.5	
NNSH	baz=235			i	S	14 44 02.2	-0.1	EGFH	baz=198			S	Sn	14 44 13.2	-1.3	CHN3	Shinhua	2.02	218	e	P	Pn	14 44 14.8	+1.9	
TAP	Taipei	0.40	332	i	P	14 43 53.2	+0.1	WVDT	WVDT	1.06	209	P	Pn	14 44 00.5	+0.2	CHN3	baz=224			S	Sn	14 44 37.3	+0.1		
TAP	baz=327			i	S	14 44 01.9	-0.1	WVDT	baz=222			S	Sn	14 44 15.8	+1.0	SCLT	Jiali	2.05	223	e	P	Pn	14 44 13.6	+0.4	
TWB1	Santiao Chiao	0.41	38	i	P	14 43 53.6	+0.5	TCU	Taichung	1.08	241	i	P	Pn	14 44 00.9	+0.3	SCLT	baz=228			i	S	Sn	14 44 38.9	+1.0
TWB1	baz=44			i	S	14 44 02.8	+0.6	TCU	baz=251			i	S	Sn	14 44 15.7	+0.4	SHHT	Tainan City	2.08	217	P	Pn	14 44 15.3	+1.7	
YMOU	National Taiwa	0.46	7	i	S	14 44 03.6	+0.5	SMLT	Sun Moon Lake	1.09	223	P	Pn	14 44 02.0	+1.2	SHHT	baz=232			e	S	Sn	14 44 39.6	+1.0	
YMOU	baz=358			S	Sn	14 43 53.7	-0.2	TYC	Yuch	1.10	225	e	P	Pn	14 44 02.5	+1.8	VWUC	VWUC	2.08	279	P	Pn	14 44 12.9	-0.7	
YMO1	YM01	0.47	345	P	Pn	14 44 03.5	+0.1	TYC	baz=229			e	P	Pn	14 44 16.5	+0.8	SCST	Cishan	2.11	212	i	P	Pn	14 44 15.6	+1.5
YMO1	baz=335			e	S	14 44 03.5	+0.1	TYC	baz=229			e	S	Sn	14 44 16.5	+0.8	SCST	baz=228			e	S	Sn	14 44 41.5	+2.1
NTY	Taoyuan	0.49																							

18d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JIRB, JMJ2, AXDP, DSXP, etc.

JMA 18 14:49:57.9,0.1,38.4N,0.4,142.2E,0.8, h30km,1km, MW4.3/40, E OFF MIYAGI PREF

JMA Felt J1 at E OFF MIYAGI PREF
NIED 18 14:49:57.9,38.44N,142.20E,h30km,MW3.7, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm;

NEIC 18 14:49:57.2,38.58N,142.18E, h50km,25km,mb3.8/6, mbmp3.9/8, ML3.6/1, MS2.5/2, Error ellipse: s-maj=37.0km s-min=16.5km az=89.0

ISC 18 14:49:54.2,1.9,38.38N,0.0,142.43E,0.07,h29km,13km, n54, c202/57, mb4.4/14, Near east coast of eastern Honshu

Main table for 18d 15h section, listing station codes, names, coordinates, and seismic data for various stations like JIRB, JMJ2, AXDP, etc.

2017 NOV

Main table for 2017 NOV section, listing station codes, names, coordinates, and seismic data for various stations like AZAP, ALOL, GO02, etc.

1300

Table for 1300 section, listing station codes, names, coordinates, and seismic data for various stations like 154A, QSPA, GSPA, etc.

NOU 18 15:19:06.6,20.44S,170.72E, h15km, MLv4.8/12, Vanuatu Islands

IDC 18 15:19:17.6,19.88S,169.58E, h75km,37km,mb3.8/9, LFRF 1/10, ML3.3/1, MS2.6/1, Error ellipse: s-maj=31.2km s-min=23.9km az=85.0

ISC 18 15:19:13.0,0.8,20.12S,0.09,170.05E,0.10,h30km,n26, c213/29, mb4.2/11, 3D, Vanuatu Islands

Main table for 1300 section, listing station codes, names, coordinates, and seismic data for various stations like MARNC, LFRF, DVP, etc.

1303

Table with columns for station ID, name, frequency, and signal strength. Includes stations like LYN, KLBR, BBOO, STKA, PYAG, CD2, NWA0, DL2, MND, HNS, JMM, HTT, HHU, CMSA, TIY, RKGY, BJT.

2017 NOV

Table with columns for station ID, name, frequency, and signal strength. Includes stations like BJT, ARMA, JTM, MSHR, MOKO, HHC, VLA, BRDH, ARPS, ITAN, CN2, BTO, H11N1, H11N2, H11N3, ERM, JEM, AGT, USA0B, SHL, SYDH, MDJ.

18d 16h

Table with columns for station ID, name, frequency, and signal strength. Includes stations like MDJ, CAN, XLT, TOO, BNX, ASAJ, JKA, LSA, DZM, GTA, SLGI, GOMU, KUR, YSS, BOK, KLR, GLAD, HIA, JHSG, PALK, SYDH, MDJ, HEH.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KURK Kurchatov, GAR Garm, DZA Taraz, CHGR Chuyangar, IUG luzhny, KK31 Karatay Array, OTUK Ortay, BRZS Berezni, KIWB Kanaga Island, NGCH Negor - Chabab, ATKA Atka Island, TIXI Tiksi, BVAO Borovoye Array, BRVK Borovoye, JLN Jaban Buh, CASY Casey, WBS Wadi Bani Khal, WSAR Wadi Sarin, BILL Bilibino, JMDO Jabal Madar, MHTO MHTO, BIDO Bidibid, SMDO Samad, DQM DQM, HOQ Hoqain, BSY Sisyva, NIKH Nikolski High, ARQ Araqi, SOHO SOHO, UOSS Minazif, UOSS Minazif, SHAO Shalim, HATD Hatta, MSFE Esma-Masafi, MASF Masafi, ASHO Ashiyah, SPIA Saint Paul Isl, SHME Shamm, GEYT Alibeck, GEYT Alibeck, GEYT Alibeck, GEYT Alibeck, GY00B ALIBECK ARRAY, ALNE Al Ain, ALNE Al Ain, MSEY Mahe Island, NAZ Nazwa, NAZ Nazwa, FAQ Al Faqa, Dubai.

Table with columns for station name, frequency, power, and other technical details. Includes stations like FAQ Al Faqa, Dubai, DMTO DMTO, ASUD Al Ashush, Dub, ASUD Al Ashush, Dub, ASUD Unalaska Valle, UNV Unalaska Valle, AJN Ajan, AJN Ajan, AJN Ajan, KIP Kipapa, RBP Rabtuk, AB31 Akbulak array, ABKAR Akbulak array, ABKAR Akbulak array, AKUT Akutan, AKUT Akutan, DOK Doka, DOK Wadi Hawf, WHFO Whfo, RER Riviere de l'E, RER Riviere de l'E, ABTO Aybut, ABTO Aybut, GAMB Gambell, MZR Muzera, MZR Muzera, AKTO Aktyubinsk, AKTO Aktyubinsk, FALS False Pass, FALS False Pass, JRN Qarnain Island, JRN Qarnain Island, SVE Sverdlovsk, SVE Sverdlovsk, SVE Sverdlovsk, M11K Mekoryuk, POHA Pohakuloo, OBL Observatory Le, UWB Uwekhabona B, JCUZ Jacuzzi, ARU Arti, ARU Arti, ARU Arti, ARU Arti, TNA Tin City, TRNA Turayna, M13K Dall Lake, M13K Dall Lake, SDPT Sand Point, SDPT Sand Point, SHMA Al-Shehemyia, SMRA Abu-Samra, F14K Arctic Creek, CHNA Chernabura Isl, ANM Nome, SAKB Bahrain, L14K Kukka Creek, L14K Kukka Creek, J14K Navararak Lak, J14K Navararak Lak, N14K Kuskokwak Cree, O14K Tigykauivet M, O14K Tigykauivet M, O14K Tigykauivet M, M14K Bethel, M14K Bethel, S14K Fog Glacier, G15K Niukluk, F15K North Star Dit, L15K Unak Mouta, M15K Kasigluk River, O15K Ungalikthiuk R, K15K Wolf Creek Mou, CHGN Chignik, CHGN Chignik, N15K Kwethluk River, N15K Kwethluk River, H16K Elim, C16K Lisburne Hills, C16K Lisburne Hills, SBV Sarabua, G16K Koyuk River, G16K Koyuk River.

Table with columns for station name, frequency, power, and other technical details. Includes stations like J16K Anvik River, J16K Anvik River, R16K Point, L16K Owhat River, L16K Owhat River, N16K Nishlik Lake, I17K Unalakleet, I17K Unalakleet, M16K Timber Creek, M16K Timber Creek, P16K Nushagak River, O16K Kokwok River B, O16K Kokwok River B, D17K Nostak River, C17K DeLong Moutai, G17K Kwiwalk Mouta, E17K Hotham Inlet, F17K Baldwin Pennin, F17K Baldwin Pennin, R17K Ugashik Creek, R17K Ugashik Creek, L17K Donlin, H17K Granite Mouta, H17K Granite Mouta, Q16K King Salmon, O17K Koliganek Bris, CHIR Chief Islan, LKRN Lenkeran, Azer, K17K Iditarod, K17K Iditarod, N17K Nushagak Hills, N17K Nushagak Hills, M17K Holitna River, M17K Holitna River, P17K Kvichak River, P17K Kvichak River, Q17K Contact Creek, E18K Tukpahierik C, E18K Tukpahierik C, C18K Utukok River, C18K Utukok River, B18K Kokik River, B18K Kokik River, H18K Honhosa River, H18K Honhosa River, L18K Granite Mouta, L18K Granite Mouta, G18K Tagagavik, N18K Kilae Creek, N18K Kilae Creek, Q18K Katmai Hardscr, P18K Big Mountain, S11 Sitkinak Islan, R18K Karluk, O18K Koktuh Hills, O18K Koktuh Hills, O18K Koktuh Hills, J18K Innoko River, J18K Innoko River, M18K Stony River, SVW2 Sparrevohn, A19K Wainwright, TTA Tatalina, TTA Tatalina, TTA Tatalina, GCSA Galea City Ssc, C19K Lookout Ridge, F19K Shalruckick Mo, MAK Makhachkala, MAK Makhachkala, MAK Makhachkala, MAK Makhachkala, G19K Purcell Mountain, G19K Purcell Mountain, O19K Port Alsworth, N19K Bonanza Creek, N19K Bonanza Creek, SEKA Sheki, H19K Roundabout Mou, MNGR Mingechevir, A, L19K White Mountain, L19K White Mountain, J19K Poorman, J19K Poorman, Q19K Cape Douglas, Q19K Cape Douglas, E19K Redstone River, E19K Redstone River.

18d 16h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like M19K Big River Lodg, V19K Vodka, and many others.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MLY Manley, TRF Thorofare Moun, and many others.

1306

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ILAR comp=Z,0.9nm,0.5s, and many others.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BO01 Tunca, BO02 Sierra Bellavi, H03N1 Juan Fernandez, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MKAR Machanchi Array, USRK Ussuriysk Arr, MJAR Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IDC 18 16:37:46.1, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TXAR Lajitas Array, NVAR Mina Array Bea, etc.

H11S3 WAKE ISLAND Hy 88.12 288 T T 18 49 40.9
ASAR Alice Springs 120.87 245 PKP
WRA Warramunga Arr 121.04 249 PKP
IDC 18 17:07:16.4-0.5, 15.05N:93.81W, h0km, mb5.1/27,
mbtmp5.0/29, ML4.5/3, MS4.4/25, Error ellipse:
s-maj=20.9km s-min=10.8km az=59.0
MOS 18 17:07:19.3-1.1, 15.14N:93.91W, h22km, mb5.6/79, Error
ellipse: s-maj=6.3km s-min=4.3km az=84.3
NEIC 18 17:07:21.6-3.0, 15.01N:100.06-94.14W, 0.04, h28km, 3km,
mb5.2/646, MD5.2/120(MEX), Error ellipse: s-maj=8.5km
s-min=5.3km az=200.0
MEX 18 17:07:22.7-1.1, 14.94N:94.19W, h33km, 14km, MD5.2
CATAC 18 17:07:24.9-0.4, 15.85N:93.93W, h22km, 8km, MB5.7,
mb5.4, ML5.6, Hypocentre not reviewed by the ISC
GCG 18 17:07:24.7-0.6, 15.30N:93.86W, h21km, MD5.0
GCMT 18 17:07:24.5-0.4, 15.15N:03.94-18W, 0.02, h37km, 1km,
Mw5.2/86, Moment Tensor Solution. s42,c49; s86,c109;
Duration: 1s0 Moment tensor. Scale 10^16Nm;
Mm-4.30c:45; Mm-5.57c:28; Mm-1.26c:30; Mm-4.88c:33;
Mm-0.26c:24; Mm-4.71c:36. Best double couple.
Mm-413000*10^16Nm, Np2=121.000000, S74.000000,
T1.14.000000. NP2=242.000000, S29.000000, T3.5.000000.
Principal axes: T 8.9400, P1654.0000, Azm61.0000; N
-1.0650, P1623.0000, Azm294.0000; P -7.8850,
P25.0000, Azm193.0000; nsta1 refers to body waves,
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Triangular moment-rate function
BGR 18 17:07:29.1, 15.08N:92.12W, h33km, mb5.6
ISC 18 17:07:20.4-0.3, 14.95N:0.03-94.05W, 0.03, h28km, 2km,
h29km, p-P, n1598, t1866/1472, mb5.3/445, MS4.5/29,
48C-36D, Off coast of Chiapas

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

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

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

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

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MTO3, ESQI, ESQI, etc.

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

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

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

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

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

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

18d 17h

MOIG	comp=Z,6um,1.0s	IVmB_BB	17 09 24.0
MOIG	comp=Z,430nm,0.8s	IaMb	17 09 24.4
MOIG	BOAC BROADBAM	i S	17 11 09.7
BOAB	52 106	Pn	17 09 23.7 +1.8
RPIG	Rio Verde	Pn	17 09 29.1 +1.8
RPIG	Rio Verde	Pn	17 11 10.5 +3.7
RPIG	Rio Verde	eP	17 09 29.1 +1.8
RPIG	Rio Verde	eS	17 11 10.5 +3.7
ACON	Acopya	Pn	17 09 32.0 +1.7
ACON	Acopya	eP	17 09 32.9 +2.6
HZTE	Horizontes, Gu	Pn	17 09 35.6 +3.6
GTIG	Gomez Farias	Pn	17 09 38.3 +4.0
GTIG	Gomez Farias	eP	17 11 19.9 +0.7
GTIG	Gomez Farias	eS	17 11 19.9 +0.7
MMIG	Aquila	Pn	17 09 38.0 +2.5
MMIG	Aquila	Pn	17 11 30.3 +8.8
MMIG	Aquila	eP	17 09 38.0 +2.5
MMIG	Aquila	eS	17 11 30.3 +8.8
ORTG	Ortega, Santa	Pn	17 09 39.6 +3.4
DUNO	Dulce Nombre,	Pn	17 09 41.0 +3.5
ESPN	Las Esperanzas	Pn	17 09 42.1 +1.7
JTS	Las Juntas de	Pn	17 09 45.2 +2.8
JTS	Las Juntas de	Pn	17 09 45.2 +2.8
JTS	Las Juntas de	Pn	17 09 41.2 -1.2
JTS	Las Juntas de	Pn	17 11 37.2 +3.3
COIG	Colima	eP	17 09 48.5 +4.3
AREI	Arenal 1	Pn	17 09 49.6 +4.8
JUEC	Volcan de Coli	Pn	17 09 49.3 +4.4
EZSV	10.18 298	Pn	17 09 49.3 +4.4
EZSV	10.18 298	eP	17 09 50.0 +4.9
MNGA	Volcan de Coli	Pn	17 09 50.6 +5.3
INCO	Volcan de Coli	eP	17 09 50.6 +5.3
SOMAC	Volcano de Col	Pn	17 09 50.6 +5.1
SOCV	Pocosol	Pn	17 09 48.9 +3.1
COVE	Coope Vega, Sa	Pn	17 09 49.2 +2.8
CDAR	Ciudad de Arme	eP	17 09 49.5 +2.8
CEGR	Campo Tres	Pn	17 09 51.7 +4.3
RIVS	Hebbonville	Pn	17 09 52.6 +4.9
JACO	JACO, Garabito	Pn	17 09 52.9 +2.8
HDC	Heredia	Pn	17 09 57.1 +2.8
CIHU	Emiliano Zapat	eP	17 10 00.3 +3.3
LCR2	La Lucha 2	Pn	17 10 00.9 +3.5
ZAIG	Zacatecas	eP	17 10 00.8 +1.8
ZAIG	Zacatecas	i P	17 10 02.9
ZAIG	Zacatecas	IaMb	17 10 21.6
RIMA	Rio Macho	Pn	17 10 03.0 +4.1
CJM	Chamela	Pn	17 10 04.7 +2.8
BATAN	Batan	eP	17 10 05.9 +3.4
ANIG	Ahuacatlan	Pn	17 10 08.4 +3.3
ANIG	Ahuacatlan	Pn	17 10 08.4 +3.3
SRBA	San Rafael, Bu	eP	17 10 11.6 +3.3
CDITO	Canoas	Pn	17 10 21.9 +3.5
BRUZ	Volcan	Pn	17 10 22.6 +3.4
HBVL	Hebbonville	Pn	17 10 22.6 +3.4
SOR	Soroa	Pn	17 10 22.8 -1.0
SOR	Soroa	Pn	17 10 22.8 -1.0
833A	Chaparral WMA,	Pn	17 10 40.5 +0.7
833A	Chaparral WMA,	Pn	17 10 41.8 +2.1
833A	Chaparral WMA,	Pn	17 10 42.1 +2.4
735A	Kenedy	Pn	17 10 40.8 +0.1
CAMR	Camarioca	Pn	17 10 43.7 +0.6
GACAO	El Cacao, Vera	eP	17 10 45.9 +2.9
HKT	Hockley	Pn	17 10 50.9 +0.2
HKT	Hockley	i P	17 10 51.5 +0.8
BCIP	Isla Barro Col	Pn	17 10 53.3 +2.3
BCIP	Isla Barro Col	Pn	17 10 55.5 +0.6
BCIP	Isla Barro Col	Pn	17 10 53.3 +2.3
BCIP	Isla Barro Col	pmax	17 10 53.3 +2.3
AZU	Azuero	eP	17 10 57.5 -1.1
HND0	Hondo	P	17 10 54.9 +0.5
HND0	Hondo	IaMb	17 11 02.3
UPA	Univ. de Panam	eP	17 10 59.8 -0.2
DRIO	Del Rio	Pn	17 10 58.6 -0.2
DRIO	Del Rio	IaMb	17 11 05.2
441A	DeRidge	Pn	17 10 59.2 -1.0
HNVL	Huntsville, TX	Pn	17 10 59.4 -1.4
HNVL	Huntsville, TX	IaMb	17 11 08.0
PAYG	Puerto Ayora	P	17 11 08.0 +1.6
435B	Jarrell	P	17 11 06.3 -1.5
435B	Jarrell	IaMb	17 11 10.6
435B	Jarrell	Pn	17 11 06.0 +1.4
435B	Jarrell	Pn	17 11 06.7 -1.1
HPIG	16.11 320	i P	17 11 08.2
HPIG	16.11 320	IaMb	17 11 23.1
MTDJ	Mount Denham	Pn	17 11 06.9 +1.2
MTDJ	Mount Denham	IaMb	17 11 11.2
MTDJ	Mount Denham	eP	17 11 06.2 +0.5
JCT	Junction City	Pn	17 11 09.2 +0.9
JCT	Junction City	P	17 11 09.7 -0.9
JCT	Junction City	P	17 11 09.9 -0.7
JCT	Junction City	P	17 11 09.6 -0.9
JCT	Junction City	pmax	17 11 09.6 -0.9
061Z	Ochoppi	P	17 11 08.9 +0.1
SAND	Sanderson	Pn	17 11 12.3 +0.1
SAND	Sanderson	IaMb	17 11 18.5
NATX	Nacogdoches	Pn	17 11 12.3 -0.7
NATX	Nacogdoches	Pn	17 11 13.9 -1.1
TX31	Lajitas Ar. Si	P	17 11 16.2 -0.1
TX31	Lajitas Ar. Si	P	17 11 17.4 +1.1
TX32	Lajitas Array	P	17 11 16.0 -0.3
TXAR	Lajitas Array	P	17 11 16.2 -0.1
TXAR	Lajitas Array	Pn	17 11 15.3 +0.9
BRDY	Brady	P	17 11 15.0 +0.3
BRDY	Brady	IaMb	17 11 19.3
346A	Big Creek Wild	Pn	17 11 13.6 -1.3
UPD2	Meteki	eP	17 11 13.8 -1.6
237A	Washetta, Mont	Pn	17 11 17.1 +0.3
OZNA	Ozona	P	17 11 20.2 +0.4
OZNA	Ozona	IaMb	17 11 21.8
WHX	Lake Whitney,	Pn	17 11 18.7 -0.6
WHX	Lake Whitney,	Pn	17 11 21.1 +0.5
SLBS	Sierra La Lagu	P	17 11 21.0 +0.7
451A	Vernon	Pn	17 11 20.7 +0.1
451A	Vernon	IaMb	17 11 22.8
BRAL	Brewton	Pn	17 11 20.7 -0.1
BRAL	Brewton	IaMb	17 11 23.5
BRAL	Brewton	P	17 11 21.0 +0.1
BRAL	Brewton	P	17 11 22.3 +0.3
VBMS	Vicksburg	Pn	17 11 21.9 -0.4
VBMS	Vicksburg	Pn	17 11 22.7 -0.6
CAPC	Capurgana	Pn	17 11 22.2 -0.3
060A	Indianogana	eP	17 11 21.8 -1.0
060A	Indianogana	IaMb	17 11 26.8
553A	Crawfordville	Pn	17 11 22.4 -0.7
553A	Crawfordville	IaMb	17 11 26.6
553A	Crawfordville	P	17 11 23.8 -0.3
DWPF	Disney Wildern	P	17 11 22.4 -0.9

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DWPF	comp=Z,120nm,0.9s	IaMb	17 11 31.4
DWPF	Disney Wildern	P	17 11 22.5 -0.7
DWPF	Disney Wildern	P	17 11 23.8 -0.3
FW13	Cleburne	Pn	17 11 23.8 +0.2
FW13	Cleburne	IaMb	17 11 28.7
FW16	Waxahatchie	P	17 11 24.9 -0.1
FW16	Waxahatchie	IaMb	17 11 29.6
ALPN	Alpine	P	17 11 27.4 +1.6
ALPN	Alpine	IaMb	17 11 33.6
PTAC	Punta Arditia,	eP	17 11 26.6 +0.7
TREL	Terrell	Pn	17 11 25.3 -0.8
TREL	Terrell	IaMb	17 11 35.2
143A	Socs Landing,	P	17 11 25.1 -1.5
656A	Willston	Pn	17 11 25.4 -1.4
FW07	Weatherford	P	17 11 29.2 +0.4
FW07	Weatherford	IaMb	17 11 32.7
SGCV	comp=Z,96nm,0.7s	P	17 11 30.3 +0.4
SGCV	Sterling City	IaMb	17 11 35.9
MNHN	Monahans	P	17 11 31.6 +0.9
MNHN	Monahans	IaMb	17 11 39.3
146A	Union	Pn	17 11 29.8 -1.1
PLPT	Palo Pinto	P	17 11 31.2 +0.1
PLPT	Palo Pinto	IaMb	17 11 35.1
FW06	Azle	Pn	17 11 30.5 -0.8
FW06	Azle	IaMb	17 11 40.2
Z38A	Mt. Pleasant	P	17 11 30.0 -1.6
Z41A	Richard Creek	Pn	17 11 30.5 -1.3
Z41A	Richard Creek	P	17 11 32.1 +0.3
Z41A	Richard Creek	P	17 11 32.1 +0.3
ABTX	Abilene, Hawle	P	17 11 32.1 +0.3
ABTX	Abilene, Hawle	IaMb	17 11 32.4
ABTX	Abilene, Hawle	Pn	17 11 33.5 +1.0
ABTX	Abilene, Hawle	P	17 11 34.3 +1.8
FW03	Perrin-Whitt E	P	17 11 31.1 -1.9
FW03	Perrin-Whitt E	IaMb	17 11 35.7
250A	Grady	Pn	17 11 31.2 -1.8
250A	Grady	IaMb	17 11 38.8
250A	Grady	Pn	17 11 33.3 +0.1
352A	Blakely	P	17 11 33.0 -0.8
352A	Blakely	IaMb	17 11 37.0
APAC	Apartment, Choc	eP	17 11 36.7 +2.0
Z35A	Perchaven, San	eP	17 11 33.8 -0.9
Z35A	Perchaven, San	IaMb	17 11 44.6
PECS	Pecos	P	17 11 36.0 -0.2
PECS	Pecos	IaMb	17 11 40.1
425A	Indio Mountain	Pn	17 11 37.7 +0.6
GTBY	Guantanamo Bay	Pn	17 11 36.1 -0.9
GTBY	Guantanamo Bay	IaMb	17 11 41.4
GTBY	Guantanamo Bay	Pn	17 11 37.7 +0.2
ODSA	Odesa	Pn	17 11 38.3 +0.3
ODSA	Odesa	IaMb	17 11 43.1
SN01	Snyder I	P	17 11 37.9 -0.8
SN01	Snyder I	IaMb	17 11 43.7
Z47A	Carrollton	P	17 11 39.0 -0.5
Z47A	Carrollton	IaMb	17 11 42.6
Z47A	Carrollton	Pn	17 11 40.5 +0.2
TIGA	Tifton	P	17 11 38.8 -1.1
TIGA	Tifton	IaMb	17 11 42.9
TIGA	Tifton	Pn	17 11 39.6 -0.3
TIGA	Tifton	Pn	17 11 40.2 -0.6
SJCC	San Jacinto, C	eP	17 11 37.0 -4.2
APMT	Aspermont	P	17 11 40.1 -1.0
APMT	Aspermont	IaMb	17 11 45.6
LRAL	Lakeview Retre	Pn	17 11 40.6 -0.5
LRAL	Lakeview Retre	Pn	17 11 41.5 -0.6
LRAL	Lakeview Retre	Pn	17 11 41.6 -0.4
WTF5	Witchita Falls	IaMb	17 11 41.0 -0.6
WTF5	Witchita Falls	IaMb	17 11 46.0
LOOK	Love County	P	17 11 41.2 -0.6
LOOK	Love County	IaMb	17 11 55.3
PIZC	Pizarro, Choco	Pn	17 11 44.1 +3.1
DBBC	Dabeiba	eP	17 11 34.1 -8.1
POST	Post	P	17 11 43.4 +0.5
POST	Post	IaMb	17 11 50.1
Y45A	Yeager Farm, C	P	17 11 41.7 -1.1
Y45A	Yeager Farm, C	IaMb	17 11 46.0
Y45A	Yeager Farm, C	P	17 11 41.9 -1.0
X40A	Basin Creek Fa	P	17 11 44.3 -0.9
UREC	San Jos de Ur	P	17 11 44.8 -0.7
MIAR	Mount Ida	P	17 11 45.4 -0.1
MIAR	Mount Ida	IaMb	17 11 52.8
MIAR	Mount Ida	P	17 11 45.8 +0.2
MIAR	Mount Ida	Pn	17 11 46.2 -0.7
MIAR	Mount Ida	P	17 11 45.4 -0.1
MIAR	Mount Ida	pmax	17 11 45.4 -0.1
152A	Waverly Hill	P	17 11 44.7 -1.5
152A	Waverly Hill	P	17 11 46.0 -0.2
X37A	Clayton	P	17 11 46.6 +0.3
MNTX	Cornudas Mount	Pn	17 11 48.8 +0.5
MNTX	Cornudas Mount	P	17 11 48.1 -0.2
DKNS	Cornudas Mount	IaMb	17 11 49.5
SMRC	Santa Marta, M	eP	17 11 45.7 -1.7
BALC	Baltic Malar	Pn	17 11 47.2 +3.9
UALR	University of	IaMb	17 11 55.6
CBOC	Ciudad Bolivar	eP	17 11 53.3 +1.7
OXF	Oxford	Pn	17 11 48.6 -1.3
OXF	Oxford	IaMb	17 12 04.9
OXF	Oxford	Pn	17 11 49.7 -0.2
OXF	Oxford	P	17 11 49.9 -0.0
OXF	Oxford	P	17 11 48.6 -1.3
255A	Hazlehurst	P	17 11 48.7 -1.3
255A	Hazlehurst	IaMb	17 11 53.3
255A	Hazlehurst	P	17 11 49.4 -0.7
Z51A	Franklin	P	17 11 49.8 -0.8
ARGU	Arguam, Magd	Pn	17 11 48.8 -2.0
Y49A	Blount Mountai	P	17 11 49.7 -1.8
Y49A	Blount Mountai	P	17 11 51.7 +0.3
PLMC	San Jos del P	eP	17 11 54.0 -0.3
WMOK	Wichita Mounta	P	17 11 52.4 -0.2

WMOK	Wichita Mounta	20.16 349	P	P	17 11 53.2 +0.6
WMOK	Wichita Mounta	20.16 349	P	P	17 11 52.9 +0.3
WMOK	Wichita Mounta	20.16 349	P	P	17 11 52.4 -0.2

18d 17h

Table with columns for race ID, name, distance, time, and other details. Includes entries like L48A, HEC, SZCU, BBRC, P57A, etc.

2017 NOV

Table with columns for race ID, name, distance, time, and other details. Includes entries like COWI, M5AC, NV11, E38A, etc.

1314

Table with columns for race ID, name, distance, time, and other details. Includes entries like EGMT, OVMT, MSO, K05A, etc.

1315 **2017 NOV** **18d 17h**

R33M	Jennings River baz=133	52.00	337	P	P	17 16 29.5 +2.3	EPYK	Eagle Plains baz=130,SNR=6.4	58.60	341	P	P	17 17 15.4 +0.9	PRP	baz=110 Porcupine Dome	61.06	338	P	P	17 17 32.5 +1.0
Q32M	Nakina River comp=Z,24nm,1.0s	52.21	336	I	Amb	17 16 32.7	EYAK	Cordova Ski Ar baz=118	58.74	333	P	P	17 17 17.4 +1.9	M22K	Willow baz=111	61.18	333	P	P	17 17 33.4 +1.3
Q32M	Nakina River baz=131	52.21	336	P	P	17 16 31.2 +2.4	N25K	Chitina, Valde comp=Z,22nm,0.8s	58.75	334	I	Amb	17 17 18.9	ILAR	Eielson Array	61.20	337	P	P	17 17 33.0 +0.7
S32K	Killishnoo baz=127	52.22	334	P	P	17 16 31.4 +2.8	N25K	Chitina, Valde baz=119,SNR=8.5	58.75	334	P	P	17 17 17.2 +1.5	ILAR	Eielson Array	61.20	337	P	P	17 17 33.0 +0.7
TG2N	Hyland Airport baz=135,SNR=14	52.56	340	P	P	17 16 33.2 +2.0	G30M	Tooh Zrail JN1	58.84	342	P	P	17 17 17.2 +1.1	ILAR	comp=Z,2.1nm,1.0s baz=163,slow=4.6,SNR=80					17 19 50.9 +3.8
R32K	Eaglecrest baz=128	52.59	334	P	P	17 16 33.8 +1.7	L26K	Log Cabin Wild L26K	58.97	336	P	P	17 17 18.0 +0.9	RCBR	Riachuelo	61.21	105	P	P	17 17 34.7 +1.5
P32M	Atlin baz=130	53.19	336	P	P	17 16 37.7 +1.8	L26K	Log Cabin Wild comp=Z,34nm,1.3s baz=121,SNR=6.9	58.97	336	P	P	17 17 18.2 +1.2	RCBR	Porcupine River baz=123,SNR=15	61.21	340	P	P	17 17 33.3 +1.0
S31K	Pelican baz=126	53.23	333	P	P	17 16 36.9 +0.9	INK	Inuvik comp=Z,37nm,1.1s	58.98	344	I	Amb	17 17 18.9	E27K	Coleen River baz=126,SNR=32	61.21	342	P	P	17 17 33.5 +1.2
P33M	Teslin, Yukon baz=131	53.25	337	P	P	17 16 37.5 +1.2	INK	Inuvik baz=134,SNR=28	58.98	344	P	P	17 17 18.0 +1.0	UMMG	Ummannaq	61.24	15	I	Amb	17 17 30.7 -1.8
M30M	Bocotoma Ro comp=Z,24nm,0.8s	53.31	155	I	Amb	17 16 40.8	INK	Inuvik	58.98	344	P	P	17 17 17.4 +0.4	UMMG	comp=Z,2.1nm,0.7s					17 17 33.9
LMEL	Las Melosas comp=Z,21nm,0.8s	53.58	155	I	Amb	17 16 42.1	INK	comp=Z,38nm,1.1s Inuvik baz=Z,312nm,18.7s	58.98	344	LR	LR	17 47 26.3	SUA	Susitna One	61.34	333	P	P	17 17 34.1 +0.7
SKAK	Skagway baz=128	53.75	335	P	P	17 16 41.3 +1.5	INK	Chitina Wild comp=Z,32nm,1.4s	59.02	338	I	Amb	17 17 20.3	SUA	comp=Z,24nm,0.8s Susitna One	61.34	333	P	P	17 17 34.2 +0.7
N32M	Quiet Lake baz=131	53.96	338	P	P	17 16 43.3 +1.8	K27K	Chicken comp=Z,32nm,1.4s	59.02	338	I	Amb	17 17 20.3	SUA	comp=Z,24nm,0.8s Susitna One	61.34	333	P	P	17 17 34.2 +0.7
WHY	Whitehorse baz=125	54.32	337	P	P	17 16 45.5 +1.3	K27K	Chicken baz=143,SNR=5.3	59.02	338	I	Amb	17 17 18.7 +1.3	FYU	Fort Yukon	61.49	339	P	P	17 17 34.4 +0.2
CPUP	Villa Florida comp=Z,32nm,1.6s	54.39	139	I	Amb	17 17 00.3	H29M	Whitestone comp=Z,28nm,1.0s	59.02	341	I	Amb	17 17 19.5	CUT	Chulitna baz=119,SNR=5.3	61.50	334	P	P	17 17 35.7 +1.3
CPUP	Villa Florida comp=Z,32nm,1.6s	54.39	139	P	P	17 16 44.9 -0.1	MENT	Mentasta comp=Z,36nm,1.2s	59.07	336	I	Amb	17 17 20.4	MCK	McKinley baz=116,SNR=10	61.51	336	P	P	17 17 35.5 +1.1
CPUP	Villa Florida comp=Z,6.0nm,0.9s	54.39	139	P	P	17 16 44.9 -0.1	I28M	Miner Creek baz=126	59.07	340	P	P	17 17 18.9 +1.0	WRH	Wood River Hill comp=Z,9.8nm,0.8s	61.51	336	I	Amb	17 17 35.7
CPUP	Brasilia comp=Z,7nm,0.7s,baz=292,slow=8.8,SNR=25	54.70	122	P	P	17 16 46.5 +1.1	EGAK	Eagle comp=Z,21nm,1.1s	59.10	339	I	Amb	17 17 19.5	H25L	Birk Creek baz=120	61.54	339	P	P	17 17 35.6 +1.1
BDFB	Brasilia comp=Z,7nm,0.7s,baz=292,slow=8.8,SNR=25	54.70	122	P	P	17 16 46.5 +1.1	EGAK	Eagle baz=124,SNR=9.3	59.10	339	I	Amb	17 17 19.5	POKR	Poker Plat Res comp=Z,19nm,0.9s	61.56	337	I	Amb	17 17 36.7
FARO	Faro, Yukon comp=Z,16nm,1.0s	54.77	339	P	I	17 16 48.1 +0.7	F30M	Barrier River baz=132,SNR=18	59.13	343	P	P	17 17 19.1 +1.0	POKR	Poker Plat Res baz=118,SNR=6.6	61.58	14	I	Amb	17 17 35.0 +0.2
FARO	Faro, Yukon baz=132,SNR=6.3	54.77	339	P	P	17 16 50.0	SFJD	Kangerlussuaq SFJD	59.23	18	P	P	17 17 17.9 -0.9	NUUG	Nuugaatsiaq	61.58	14	I	Amb	17 17 37.2
P30M	Million Dollar baz=126	54.81	335	P	P	17 16 49.7 +2.0	SFJD	Kangerlussuaq comp=Z,31nm,0.7s	59.23	18	I	Amb	17 17 19.1 -1.7	COLA	College	61.61	337	P	P	17 17 35.5 +0.5
P29M	Windy Craggy baz=125	54.84	335	P	P	17 16 50.2 +2.3	SFJD	Kangerlussuaq SFJD	59.23	18	I	Amb	17 17 19.7	COLA	College baz=118	61.61	337	P	P	17 17 36.1 +1.1
O30N	Mendenhall comp=Z,24nm,1.2s	54.85	336	I	Amb	17 16 51.0	SFJD	Kangerlussuaq SFJD	59.23	18	I	Amb	17 17 19.7	COLA	College comp=Z,26nm,0.8s	61.61	337	P	P	17 17 35.5 +0.5
O30N	Mendenhall baz=128,SNR=6.7	54.85	336	P	P	17 16 50.1 +2.1	SFJD	Kangerlussuaq comp=Z,31nm,0.7s	59.23	18	I	Amb	17 17 19.7	COLA	College	61.61	337	P	P	17 17 35.6 +0.6
M31M	Drury Creek, Y baz=130	55.12	338	P	P	17 16 51.6 +1.7	SFJD	Montague Isian baz=116	59.23	332	P	P	17 17 20.2 +1.3	COLA	College comp=Z,26nm,0.8s	61.61	337	P	P	17 17 35.1 -2.0
N31M	Braeburn, Yuko comp=Z,32nm,1.1s	55.18	337	I	Amb	17 16 52.6	G29M	Pine Creek comp=Z,30nm,1.1s	59.34	341	I	Amb	17 17 21.6	D27M	Malcolm River comp=Z,20nm,1.0s	61.65	343	I	Amb	17 17 37.6
N31M	Braeburn, Yuko baz=128,SNR=8.1	55.18	337	P	P	17 16 52.0 +1.7	G29M	Pine Creek comp=Z,29nm,1.1s	59.34	341	P	P	17 17 20.6 +1.0	D27M	Malcolm River baz=127	61.65	343	P	P	17 17 36.6 +1.2
HYT	Haines Junctio baz=125	55.44	336	P	P	17 16 54.2 +1.9	HARP	HAARP baz=119	59.37	335	P	P	17 17 21.5 +1.7	F26K	Sheenjek River baz=123,SNR=20	61.73	341	P	P	17 17 37.2 +1.3
PNL	Peninsula baz=124	55.55	334	P	P	17 16 55.1 +2.1	GLI	Glacier Island baz=116	59.48	333	P	P	17 17 21.9 +1.2	R18K	Kariuk baz=107	61.76	328	P	P	17 17 36.8 +0.7
O29M	Mount Kennedy baz=125	55.57	335	P	P	17 16 55.4 +2.2	PLCA	Paso Flores comp=Z,19nm,1.1s	59.53	159	I	Amb	17 17 38.7	Q19K	Capo Douglas, baz=109	61.78	329	P	P	17 17 37.3 +0.9
N30M	Aishikik Lake comp=Z,17nm,1.1s	55.66	337	I	Amb	17 16 57.2	PLCA	Paso Flores comp=Z,8.6nm,0.9s,baz=317,slow=7.9,SNR=11	59.53	159	P	P	17 17 22.4 +1.1	MDM	Murphy Dome comp=Z,10nm,0.8s	61.79	337	I	Amb	17 17 37.3
N30M	Aishikik Lake baz=127	55.66	337	P	P	17 16 56.0 +2.2	PLCA	Paso Flores baz=118	59.53	159	P	P	17 17 22.4 +1.1	P19K	Oil Pt baz=110	61.82	330	P	P	17 17 38.1 +1.4
YUK6	Outpost Mounta baz=125	55.85	336	P	P	17 16 57.5 +2.1	M24K	Tolsona Glenn baz=128	59.65	335	P	P	17 17 23.5 +1.6	UPNV	Upernavik	61.85	12	I	Amb	17 17 36.5 0.0
PNM	Pinnacle baz=123	56.15	334	P	P	17 16 59.5 +1.7	SCRK	Sand Creek comp=Z,22nm,1.1s	59.70	337	I	Amb	17 17 24.9	UPNV	comp=Z,26nm,0.8s Skwentna	61.88	333	I	Amb	17 17 38.8
YUK4	Talbot Arm baz=125	56.20	336	P	P	17 17 00.2 +2.4	SCRK	Sand Creek comp=Z,22nm,1.1s	59.70	337	P	P	17 17 23.4 +1.1	SKT	Skwentna comp=Z,21nm,0.8s	61.88	333	P	P	17 17 38.1 +1.1
M30M	Minto, Yukon comp=Z,30nm,1.4s	56.23	338	I	Amb	17 17 00.5	I27K	Kandil River baz=121,SNR=14	59.73	339	P	P	17 17 23.4 +1.1	N20K	Mount Spurr baz=111,SNR=5.5	61.89	332	P	P	17 17 37.7 +0.6
M30M	Minto, Yukon baz=128,SNR=8.3	56.23	338	P	P	17 16 59.7 +1.8	RES	Resolute Bay comp=Z,30nm,0.8s	59.74	360	I	Amb	17 17 23.2	SPCR	Spurr Chakacha baz=111	61.89	332	P	P	17 17 37.8 +0.7
O28M	Mount Upton baz=123	56.49	335	P	P	17 17 01.8 +1.7	RES	Resolute Bay comp=Z,47nm,1.0s	59.74	360	P	P	17 17 22.3 +0.1	G25K	Bearman Lake baz=120,SNR=12	61.89	339	P	P	17 17 37.9 +0.9
MAYO	Mayo, Yukon comp=Z,44nm,1.1s	56.55	339	P	P	17 16 59.4 -0.7	PAX	Paxson baz=119,SNR=11	59.77	336	P	P	17 17 24.0 +1.3	TRF	Thorofore Moun baz=114,SNR=12	61.94	335	P	P	17 17 37.7 +0.1
MAYO	Mayo, Yukon baz=124	56.55	339	P	P	17 17 01.9 +1.9	J26L	Joseph Creek comp=Z,40nm,1.2s	59.82	338	I	Amb	17 17 25.8	TRF	Thorofore Moun baz=114,SNR=12	61.94	335	P	P	17 17 38.5 +1.0
YUK8	Steele Glacier baz=124,SNR=6.1	56.61	336	P	P	17 17 02.6 +1.7	J26L	Joseph Creek baz=122	59.82	338	P	P	17 17 24.3 +1.3	NEA2	Nenana baz=144nm,0.9s	61.95	336	I	Amb	17 17 39.4
M29M	Somme Creek comp=Z,44nm,1.1s	56.77	337	I	Amb	17 17 04.9	A36M	Sachs Harbour comp=Z,39nm,1.2s	59.95	349	P	P	17 17 22.7 -0.9	NEA2	Nenana baz=116,SNR=7.2	61.95	336	P	P	17 17 38.4 +1.0
M29M	Somme Creek baz=126,SNR=20	56.77	337	P	P	17 17 03.9 +2.1	AC3M	Sachs Harbour baz=145,SNR=15	59.95	349	P	P	17 17 23.9 +0.3	H24K	Noodor Dome baz=111	62.07	338	P	P	17 17 38.8 +0.6
L29M	L29M comp=Z,29nm,1.1s	57.04	338	I	Amb	17 17 06.8	SCM	Sheep Creek Mo baz=117	60.01	334	P	P	17 17 25.7 +1.4	F25K	Christian River baz=121,SNR=24	62.16	340	P	P	17 17 40.1 +1.3
L29M	L29M baz=127,SNR=14	57.04	338	P	P	17 17 04.9 +1.3	PWL	Port Wells baz=115	60.02	333	P	P	17 17 25.0 +0.6	I23K	Minto, Yukon-K baz=116,SNR=24	62.30	337	P	P	17 17 40.6 +0.8
CTG	Chitina Glacier baz=122	57.07	335	P	P	17 17 05.5 +1.6	H27K	Steamboat Moun baz=125,SNR=26	60.06	340	P	P	17 17 26.1 +1.5	G24K	Hadweznic Riv comp=Z,32nm,1.0s	62.34	339	I	Amb	17 17 42.3
NUUK	Nuuk comp=Z,34nm,0.7s	57.09	21	I	Amb	17 17 02.8 -1.0	M23K	Glacier View baz=116	60.16	334	P	P	17 17 26.7 +1.4	G24K	Hadweznic Riv baz=119,SNR=16	62.34	339	P	P	17 17 41.2 +1.2
NUUK	Nuuk comp=Z,34nm,0.7s	57.09	21	I	Amb	17 17 05.8	SEW	Seward baz=114	60.21	332	P	P	17 17 27.1 +1.4	Q18K	Katmai Hardscr baz=108	62.37	329	P	P	17 17 41.1 +0.7
NUUK	Nuuk comp=Z,34nm,0.7s	57.09	21	I	Amb	17 17 05.8	E29M	Blow River comp=Z,38nm,1.1s	60.24	343	I	Amb	17 17 28.2	E25K	Arctic Village baz=121,SNR=16	62.41	341	P	P	17 17 41.8 +1.3
GRNC	Granite Creek comp=Z,																			

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H22K	Ishatlitna Cre	63.38 337	P	P	17 17 47.8 +0.9
N18K	Kilae Creek	63.41 331	P	P	17 17 47.8 +0.6
L19K	White Mountain	63.41 333	I Amb	I Amb	17 17 48.1 +0.9
L19K	White Mountain	63.41 333	P	P	17 17 48.1 +0.9
K20K	Telida	63.48 334	I Amb	I Amb	17 17 49.1
K20K	Telida	63.48 334	P	P	17 17 48.8 +1.1
CHGN	Chignik	63.52 326	P	P	17 17 48.7 +0.8
COLD	Coldfoot	63.53 339	P	P	17 17 49.0 +1.1
PPT	Papeete	63.58 241	LR	LR	17 38 36.8
M18K	Stony River	63.63 332	P	P	17 17 49.2 +0.6
E23K	Chandalar	63.71 340	P	P	17 17 51.0 +1.9
O17K	Koliganeg Bris	63.72 330	P	P	17 17 50.5 +1.3
J20K	Nowinta River	63.80 335	I Amb	I Amb	17 17 51.2
J20K	Nowinta River	63.80 335	P	P	17 17 50.1 +0.4
ICESG	Greenland Ices	63.82 19	i P	P	17 17 49.0 -1.2
ICESG	Greenland Ices	63.82 19	I Amb	I Amb	17 17 49.6 -0.6
H21K	Melozitna Rive	63.83 337	I Amb	I Amb	17 17 51.2
H21K	Melozitna Rive	63.83 337	P	P	17 17 50.2 +0.4
G22K	Bettles	63.86 338	P	P	17 17 51.2 +1.1
TOLK	Toolik Lake Re	63.96 340	P	P	17 17 51.4 +0.6
TOLK	Toolik Lake Re	63.96 340	I Amb	I Amb	17 17 53.0
D24K	Happy Valley	63.97 341	I Amb	I Amb	17 17 52.1 +1.3
D24K	Happy Valley	63.97 341	P	P	17 17 52.0 +1.5
N17K	Nushagak Hills	63.98 331	P	P	17 17 52.1 +1.2
I20K	Naahgedeneel	64.16 336	P	P	17 17 52.5 +0.6
O16K	Kokwok River B	64.16 329	P	P	17 17 53.0 +0.9
TTA	Tatalina	64.17 333	I Amb	I Amb	17 17 53.4
TTA	Tatalina	64.17 333	P	P	17 17 52.7 +0.5
C24K	Franklin Bluff	64.20 342	P	P	17 17 53.4 +1.2
L18K	Granite Mounta	64.24 332	I Amb	I Amb	17 17 54.3
L18K	Granite Mounta	64.24 332	P	P	17 17 52.7 +0.1
M17K	Holitna River	64.34 331	P	P	17 17 53.9 +0.6
F22K	John River	64.34 339	P	P	17 17 54.5 +1.3
J19K	Poorman	64.35 335	P	P	17 17 53.6 +0.3
G21K	Allakaket	64.42 338	I Amb	I Amb	17 17 55.6
G21K	Allakaket	64.42 338	P	P	17 17 54.4 +0.6
SDPT	Sand Point	64.46 325	P	P	17 17 54.8 +0.7
D23K	Nanushuk River	64.47 340	P	P	17 17 55.4 +1.4
E22K	Anaktuvuk Pass	64.48 339	P	P	17 17 55.4 +1.2
H20K	Anotleneega Mo	64.57 336	P	P	17 17 56.1 +1.3
J18K	Innoko River	64.64 334	I Amb	I Amb	17 17 55.1 -0.1
J18K	Innoko River	64.64 334	P	P	17 17 56.7
J18K	Innoko River	64.64 334	P	P	17 17 55.3 +0.1
F21K	Alatna River	64.69 338	P	P	17 17 56.7 +1.2
N16K	Nishlik Lake	64.72 330	P	P	17 17 56.6 +0.8
C23K	Ikilik River	64.84 341	P	P	17 17 58.0 +1.6
O15K	Onalikthiuk R	64.92 329	P	P	17 17 56.7 -0.4
L17K	Duglil	64.94 332	P	P	17 17 57.8 +0.6
M16K	Timber Creek	64.95 331	P	P	17 17 58.0 +0.7
D22K	Ayikyak River	65.09 340	P	P	17 17 59.0 +0.9
K17K	Iditarod	65.10 333	I Amb	I Amb	17 17 59.5
K17K	Iditarod	65.10 333	P	P	17 17 58.3 0.0
GCSA	Galena City Sc	65.11 335	P	P	17 17 58.9 +0.7
H19K	Roundabout Mou	65.19 336	I Amb	I Amb	17 18 00.2
H19K	Roundabout Mou	65.19 336	P	P	17 17 58.6 -0.1
N15K	Kwethluk River	65.28 330	P	P	17 18 00.2 +0.7
E21K	Killik River	65.34 339	I Amb	I Amb	17 18 01.9
E21K	Killik River	65.34 339	P	P	17 18 00.8 +1.0
L16K	Owhat River	65.36 332	P	P	17 18 01.0 +1.1
F20K	Avaraat Lake	65.44 338	P	P	17 18 01.4 +1.1
G19K	Purcell Mounta	65.64 337	P	P	17 18 02.1 +0.4
G19K	Purcell Mounta	65.64 337	I Amb	I Amb	17 18 03.5
G19K	Purcell Mounta	65.64 337	P	P	17 18 02.2 +0.5
H18K	Honhosa River	65.84 335	I Amb	I Amb	17 18 05.0
H18K	Honhosa River	65.84 335	P	P	17 18 03.6 +0.6
SUMG	Summit	65.86 16	P	P	17 18 03.1 -0.4
SUMG	Summit	65.86 16	P	P	17 18 03.1 -0.4
SUMG	Summit	65.86 16	i P	I Amb	17 18 02.9 -0.6
SUMG	Summit	65.86 16	I Amb	I Amb	17 18 05.5
SUMG	Summit	65.86 16	i P	P	17 18 04.0 +0.5
SUMG	Summit	65.86 16	I Amb	I Amb	17 18 05.5
C21K	Knifeflake Rid	65.89 340	P	P	17 18 04.1 +0.8
B22K	Teshkepuk Lake	65.93 341	P	P	17 18 04.4 +1.0
B21K	Ikpikpuk River	66.02 340	I Amb	I Amb	17 18 05.6
B21K	Ikpikpuk River	66.02 340	P	P	17 18 05.2 +1.2
E20K	Nigu River	66.04 339	P	P	17 18 05.7 +1.4
FALS	False Pass	66.04 324	P	P	17 18 06.1 +1.7
NEEM	North Greenlan	66.12 9	i P	I Amb	17 18 04.2 -0.7
NEEM	North Greenlan	66.12 9	I Amb	I Amb	17 18 07.4
NEEM	North Greenlan	66.12 9	i P	P	17 18 04.4 -0.5
F19K	Shaleruckik Mo	66.13 337	I Amb	I Amb	17 18 06.8
F19K	Shaleruckik Mo	66.13 337	P	P	17 18 06.1 +1.3
E19K	Redstone River	66.13 338	P	P	17 18 04.4 -0.4
E19K	Redstone River	66.13 338	I Amb	I Amb	17 18 06.7
E19K	Redstone River	66.13 338	P	P	17 18 05.4 +0.6
G18K	Tagagakiv	66.17 336	I Amb	I Amb	17 18 07.4

2017 NOV

G18K	Tagagakiv	66.17 336	P	P	17 18 06.2 +1.1
SOEG	Soedalen	66.20 21	i P	I Amb	17 18 04.6 -0.6
SOEG	Soedalen	66.20 21	I Amb	I Amb	17 18 09.6
SOEG	Soedalen	66.20 21	i P	P	17 18 05.0 -0.2
SOEG	Soedalen	66.20 21	I Amb	I Amb	17 18 09.6
J16K	Anvik River	66.27 333	P	P	17 18 07.0 +1.3
L15K	Ungalak Mounta	66.29 331	P	P	17 18 06.9 +1.1
M14K	Betnel	66.31 330	P	P	17 18 07.1 +1.1
D20K	Etiyuk River	66.34 339	P	P	17 18 07.5 +1.4
H17K	Granite Mounta	66.41 335	I Amb	I Amb	17 18 09.1
H17K	Granite Mounta	66.41 335	P	P	17 18 08.0 +1.4
K15K	Wolf Creek Mout	66.45 332	P	P	17 18 08.6 +1.7
H17K	Unalakleet	66.46 334	I Amb	I Amb	17 18 07.8 +0.9
H17K	Unalakleet	66.46 334	P	P	17 18 09.7
I17K	Unalakleet	66.46 334	P	P	17 18 08.5 +1.6
A22K	Sinclair Lake	66.67 342	P	P	17 18 09.7 +1.5
L14K	Kuka Creek	66.78 331	I Amb	I Amb	17 18 10.4
L14K	Kuka Creek	66.78 331	P	P	17 18 10.1 +1.1
D19K	Kuna River	66.79 339	I Amb	I Amb	17 18 11.0
D19K	Kuna River	66.79 339	P	P	17 18 10.1 +1.1
G17K	Kiwalik Mounta	66.86 335	P	P	17 18 10.7 +1.2
M13K	Dall Lake	66.92 330	P	P	17 18 11.2 +1.3
B20K	Meade River	66.98 341	P	P	17 18 11.4 +1.3
H16K	Elim	67.30 334	P	P	17 18 13.9 +1.7
F17K	Baldwin Pennin	67.34 336	I Amb	I Amb	17 18 14.4
F17K	Baldwin Pennin	67.34 336	P	P	17 18 14.2 +1.7
E18K	Tukpahlearik C	67.36 337	P	P	17 18 14.0 +1.4
J14K	Nanvaranak Lak	67.46 332	P	P	17 18 14.8 +1.5
C19K	Looker Ridge	67.49 339	I Amb	I Amb	17 18 16.1
C19K	Looker Ridge	67.49 339	P	P	17 18 15.0 +1.5
G16K	Koyuk River	67.52 335	I Amb	I Amb	17 18 15.6
G16K	Koyuk River	67.52 335	P	P	17 18 15.3 +1.7
UNV	Unalaska Valle	67.72 322	P	P	17 18 16.6 +1.5
E17K	Hotham Inlet	67.73 337	P	P	17 18 15.6 +0.6
C18K	Utukok River	67.91 339	P	P	17 18 16.8 +0.6
G15K	Niuluk	68.12 335	P	P	17 18 18.2 +0.8
M11K	Mekoryuk	68.31 329	P	P	17 18 19.8 +1.1
A19K	Wainwright	68.31 340	P	P	17 18 19.1 +0.6
D17K	Noatak River	68.35 337	P	P	17 18 20.0 +1.2
F15K	North Star Dit	68.52 335	I Amb	I Amb	17 18 22.4
F15K	North Star Dit	68.52 335	P	P	17 18 21.5 +1.5
C17K	DeLong Mountai	68.57 338	P	P	17 18 21.3 +1.0
ANM	Nome	68.60 334	P	P	17 18 21.8 +1.3
ALE	Alert	68.77 4	P	P	17 18 20.9 -0.4
ALE	Alert	68.77 4	p P	p P	17 18 22.9 -1.0
F14K	Arctic Creek	69.16 335	P	P	17 18 25.0 +1.1
BORG	Borgarnes	69.23 26	P	P	17 18 25.7 +1.4
C16K	Lisburne Hills	69.31 338	P	P	17 18 25.7 +0.9
TNA	Tinibirniq	69.83 335	P	P	17 18 29.3 +1.2
SCO	Scoresbysund	70.05 20	i P	I Amb	17 18 28.7 -0.6
SCO	Scoresbysund	70.05 20	I Amb	I Amb	17 18 32.9
DBG	Daneborg	71.34 16	i P	I Amb	17 18 37.8 +0.7
DBG	Daneborg	71.34 16	I Amb	I Amb	17 18 39.5
DAG	Danmarks Havn	72.21 14	P	P	17 18 42.9 +0.7
DAG	Danmarks Havn	72.21 14	p max	p max	17 18 42.0 +1.0
DAG	Danmarks Havn	72.21 14	i P	I Amb	17 18 41.5 -0.9
DAG	Danmarks Havn	72.21 14	I Amb	I Amb	17 18 43.9
DAG	Danmarks Havn	72.21 14	i P	P	17 18 42.0 -0.3
DAG	Danmarks Havn	72.21 14	I Amb	I Amb	17 18 44.2
NOR	Nord	73.47 9	P	P	17 18 50.3 +0.6
NOR	Nord	73.47 9	p max	p max	17 18 52.1
NOR	Nord	73.47 9	i P	I Amb	17 18 49.4 -0.3
NOR	Nord	73.47 9	I Amb	I Amb	17 18 52.1
NOR	Nord	73.47 9	i P	P	17 18 49.4 -0.3
NOR	Nord	73.47 9	I Amb	I Amb	17 18 52.2
RAR	Rarotonga	73.82 242	LR	LR	17 43 29.6
PMAFR	Mafra	76.75 53	e P	P	17 18 08.2 -1.2
PTO	Porto	76.94 51	e P	P	17 19 09.3 -1.1
PGAV	Gaviira, Arco	77.07 50	e P	P	17 19 09.8 -1.5
PACT	Alcochete	77.12 53	e P	P	17 19 10.9 -0.6
PCAS	Casmilo, Conde	77.18 52	e P	P	17 19 10.9 -1.0
COI	Coimbra	77.22 52	P	P	17 19 10.5 -1.6
COI	Coimbra	77.22 52	I Amb	I Amb	17 19 12.4
COI	Coimbra	77.22 52	P	P	17 19 10.5 -1.6
COI	Coimbra	77.22 52	p max	p max	17 19 10.5 -1.6
PFVI	Vila Bisbo	77.39 55	e P	P	17 19 12.0 -1.0
PTEO	Sao Teotonio	77.40 54	e P	P	17 19 11.7 -1.4
PNLC	Nicolau / Gran	77.46 54	e P	P	17 19 12.7 -0.7
MORF	Marlete	77.50 55	e P	P	17 19 12.7 -1.0
MORF	Marlete	77.50 55	I Amb	I Amb	17 19 15.5
MORF	Marlete	77.50 55	I Amb	I Amb	17 19 12.6 -1.1
MORF	Marlete	77.50 55	e P	P	17 19 14.8
MORF	Marlete	77.50 55	e P	P	17 19 12.6 -1.1
POLO	Lamas de Olo	77.51 50	e P	P	17 19 12.7 -1.1
PVTS	Viseu	77.54 51	e P	P	17 19 12.4 -1.5
PMTG	Montargil	77.55 53	e P	P	17 19 12.6 -1.3
PVRL	Vila Real	77.5			

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like BGES Gesves, MTLF Montolieu, OSLO Oslo, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like MOX Moxa, GRF Grafenberg Arr, GFRF Grafenberg Arr, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like TORD Torodi Ar. Bea, RONA Rosalia, Austra, SOP Sopron, etc.

18d 17h

Table with columns: LST, Lusaka, 124.39 98, PKIKP, PKPpdf, 17.26 16.8 -1.0, etc.

NOU 18 17:23:06.7, 41.89S; 174.41E, h11km, MLv3.79, Cook Strait, New Zealand

WEL 18 17:23:07.1, 0.6, 42.5, S, 4.1, 17.4E, h9km, 5km, M3, 1/29, ML3.12, MLv3.79, Error ellipse: s-maj=0.0km

ISC 18 17:23:06.8, 1.0, 41.79S; 0.03; 174.29E, h9km, 8km, n73.0, r154/79, Cook Strait

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

NEIC 18 17:33:05.3, 1.6, 53.22N, 0.07, 160.85W, 0.09, h10km, 2km, mb3.7/8, ML3.7/18, ML3.4(AEIC), Error ellipse: s-maj=12.2km

AEIC 18 17:33:09.5, 1.5, 53.26N, 0.08, 160.9W, 0.1, h3km, 7km, Error ellipse: s-maj=12.6km

ISC 18 17:33:04.3, 1.4, 53.20N, 0.09, 160.84W, 0.06, h10km, n133.0, r19/140, South of Alaska

Station list table for NEIC, AEIC, and ISC events, including stations like CNBA, CHNA, DT1, etc.

2017 NOV

Main station list table for 2017 NOV, including stations like PSIA, PAV, INSN, etc.

1318

Station list table for event 1318, including stations like U32A, ELIS, OK038, etc.

ISC 18 17:37:29.4, 1.5, 2.27N; 127.71E, h0km, mb3.5/5, mbmt3.5/5, Error ellipse: s-maj=131.5km

s-min=20.5km az=69.0, Northern Molucca Sea

Station list table for event 1318, including stations like WRA, ASAR, SONM, etc.

ISC 18 17:42:14.5, 1.5, 1.94N; 127.14E, h0km, mb3.5/4, mbmt3.5/4, Error ellipse: s-maj=141.1km

s-min=21.5km az=68.0, Halmahera

Station list table for event 1318, including stations like WRA, ASAR, MKAR, etc.

AFAD 18 17:48:10.1, 0.0, 38.37N; 26.78E, h7km, 3km, ML1.0, Aegean Sea

Station list table for event 1318, including stations like KARB, AYVA, URLA, etc.

1319

Table with 5 columns: DGB, zmzir, 0.82 174, P, Pb, 17 48 27.2 +0.6, 17 48 37.4 -0.5, 17 48 40.0

Table with 5 columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC, h m s, ISC, h m s, ISC

JMA 18 18:09:45.6:0.5,24°N,2°12'3"E, h23km, 4km, ML1.9, D, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

Table with 5 columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC, h m s, ISC, h m s, ISC

TAP 18 18:10:44.5,24:09N:121:70E, h56km, 1km, ML1.9, D, Taiwan

Table with 5 columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC, h m s, ISC, h m s, ISC

JMA 18 18:13:05.8:0.3,37°4N:0°9:14'E, h60km, MV3.5/25, FAR E OFF FUKUSHIMA PREF, Off east coast of Honshu

Table with 5 columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC, h m s, ISC, h m s, ISC

OTT 18 18:25:04.6:0.5,79°13N:115°88W, h18km, ML3.7/2, 268km west from Isachsen, Nu, Arctic Ocean

Table with 5 columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC, h m s, ISC, h m s, ISC

2017 NOV

Main table with 5 columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC, h m s, ISC, h m s, ISC

TAP 18 18:30:45.0,23:77N:121°45E, h21km, ML1.2, C, Taiwan

Table with 5 columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC, h m s, ISC, h m s, ISC

TAP 18 18:30:55.9,23°15N:120°93E, h6km, ML2.3, 3C-4D, C, Taiwan

Table with 5 columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC, h m s, ISC, h m s, ISC

18d 18h

Table with 5 columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC, h m s, ISC, h m s, ISC

18d 18h

Table with columns: OWD, Renal, baz, 0.83, 16, i, P, Pg, 18 31 11.4, -0.6, etc. Lists various stations and their associated data points.

2017 NOV

Table with columns: SWI, Sorong, 4.50, 136, P, P, Pn, 18 37 49.6, -0.1, etc. Lists various stations and their associated data points.

1320

Table with columns: FITZ, Fitzroy Crossi, 20.52, 187, P, P, 18 41 20.0, +0.4, etc. Lists various stations and their associated data points.

IDC 18 18:34:29.4, 3.9, 5.58S; 152.28E, h0km, mb3.4/2, mbtmp3.4/2, Error ellipse: s-maj=179.5km s-min=47.6km az=121.0, New Bariat region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC, WRA, Waramunga Arr, 22.54, 229, P, 18 39 30.8, -0.4, etc.

ASAR Alica Springs, 25.23, 223, P, 18 39 57.4, +0.1, 0.9nm, 0.7s, baz=56, slow=10.0, SNR=12

TORD Torodi Ar. Bea, 150.04, 287, PKPbc, PKPbc, 18 54 22.9, -0.3, 0.4nm, 0.5s, baz=78, slow=2.4, SNR=7.7

BUI 18 18:36:38.5, 0.0, 2.18N; 128.51E, h26km, mb5.4/84, mB5.6/64, Ms5.1/82, Mst7.4/97.9

MOS 18 18:36:40.7, 1.0, 2.46N; 128.12E, h24km, mb5.7/76, MS4.7/14, Error ellipse: s-maj=7.5km s-min=4.0km az=115.1

NEIC 18 18:36:41.6, 2.40N; 128.24E, h14km, Moment Tensor Solution. Duration: 2x6 Moment tensor: Scale 1017Nm; Mn=0.36; Mw=1.00; Ms=1.36; Mo=1.18; Mw=0.85; Mo=0.35; Fault plane solution: M1:5000x1017 NP1: phi=296.84000; phi=35.35000; lambda=169.65000; NP2: phi=27.69000; phi=79.68000; lambda=130.00000; Principal axes: T 1.7132, P1g11.0000, Azm252.0000; N -0.4297, P1g79.0000, Azm93.0000; P -1.2835, P1g4.0000, Azm343.0000;

NEIC 18 18:36:41.3, 1.6, 2.40N; 0.06x128.15E; 0.07, h15km, 3km, mb5.7/280, Mw5.4/20 Error ellipse: s-maj=10.5km s-min=8.2km az=80.0

NEIC 18 18:36:42.6, 1.4, 2.44N; 128.24E, h25km, 8km, mb5.3/28, s-maj=5.4/33, ML5.0/5, MS4.6/61, Error ellipse: s-maj=18.1km s-min=7.6km az=73.0

DJA 18 18:36:42.9, 0.7, 2.12N; 12.8E, h20km, 5km, Ms.3/99, mB5.8/79, mb5.5/99, MLV5.1/78, Mw(mB)5.4/79, Mw(mw)5.1/30, Mw(p)5.4/30

GCMT 18 18:36:43.3, 0.1, 2.54N; 0.01x128.08E; 0.01, h15km, Mw5.5/137, Moment Tensor Solution. s17c193; s137c264; Duration: 1s2 Moment tensor: Scale 1017 Nm; Mn=0.12; Mw=1.18; Mo=1.29; Mo=1.29; Mo=1.10; Mo=0.85; Mo=0.49; Mo=0.67; Best double couple: M1:86000x1017 NP1: phi=25.00000; phi=74.00000; lambda=27.00000; NP2: phi=123.00000; phi=864.00000; lambda=162.00000; Principal axes: T 1.5710, P1g6.0000, Azm75.0000; N 0.5720, P1g59.0000, Azm176.0000; P -2.1490, P1g31.0000, Azm341.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC, TNTI, Ternate, 1.80, 206, P, 18 37 12.1, -0.3, etc.

MYKOW Kota Tinggi, 24.28, 269, P, P, 18 41 58.1, -0.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC, JOW, Kunigami, 24.29, 0, P, 18 41 58.8, +0.4, etc.

KLI Kotabumi, 24.36, 253, P, P, 18 41 59.3, 0.0

QZJ Qiongzong, 24.37, 314, P, S, 18 42 01.0, +1.7

QIZ Qiongzong, 24.37, 314, P, S, 18 42 01.0, +1.7

QIZ Qiongzong, 24.37, 314, P, S, 18 42 01.0, +1.7

QIZ Qiongzong, 24.37, 314, P, S, 18 42 01.0, +1.7

QIZ Qiongzong, 24.37, 314, P, S, 18 42 01.0, +1.7

QIZ Qiongzong, 24.37, 314, P, S, 18 42 01.0, +1.7

QIZ Qiongzong, 24.37, 314, P, S, 18 42 01.0, +1.7

QIZ Qiongzong, 24.37, 314, P, S, 18 42 01.0, +1.7

1321

Table with columns for station name, frequency, power, and other technical details. Includes stations like BKNI, WRKA, NAKONAYOK, etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like PZH, KSRK, KSRM, etc.

18d 18h

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

18d 18h

Table with columns for station name, frequency, power, and other technical details. Includes stations like CAN Canbera, BRAT Ballarat, XLT XilinHaoTe, etc.

2017 NOV

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

1322

Table with columns for station name, frequency, power, and other technical details. Includes stations like KSH, RAO Raoul Island, URZ Urewera, etc.

1323

NGCH	Negor - Chabah	68.23	296	P	P	18 47 42.3	+0.3
ATKA	Atka Island	68.79	34	P	P	18 47 45.0	+0.1
HRA	Herat	68.85	306	I	Amb	18 47 56.1	
comp=Z,117nm,1.6s							
TIXI	Tiksi	69.14	0	P	P	18 47 45.0	-1.8
TIXI	Tiksi	69.14	0	I	Amb	18 47 52.5	
comp=Z,86nm,1.3s							
TIXI	Tiksi	69.14	0	P	P	18 47 45.6	-1.1
TIXI	Tiksi	69.14	0	LR	LR	19 19 18.2	
comp=Z,39nm,19.2s,baz=191,slow=37							
BVAO	Borovoye Array	69.19	327	P	P	18 47 47.5	+0.1
BVAR	Borovoye Array	69.19	327	P	P	18 47 47.2	-0.2
comp=Z,60nm,0.9s,baz=121,slow=7.6,SNR=145							
BVAR	Borovoye	69.26	327	P	P	18 56 52.1	+0.5
comp=Z,1.5nm,0.9s,baz=116,slow=5.2,SNR=52							
BVAR	Borovoye	69.26	327	LR	LR	19 19 33.5	
comp=Z,436nm,21.5s,baz=117,slow=37							
BRVK	Borovoye	69.26	327	P	P	18 47 46.5	-1.3
BRVK	Borovoye	69.26	327	P	P	18 47 48.5	+0.7
BRVK	Borovoye	69.26	327	P	P	18 47 48.5	+0.7
BRVK	Borovoye	69.26	327	eP	eP	18 47 47.6	-0.2
BRVK	Borovoye	69.26	327	pmax	pmax		
comp=Z,144nm,1.3s							
JLN	Jalan Bani Buh	69.41	293	P	P	18 47 49.0	-0.4
WBK	Wadi Bani Khat	69.87	293	P	P	18 47 52.9	+0.7
WSAR	Wadi Sarin	70.24	294	P	P	18 47 54.9	+0.5
SNR=7.3							
BILL	Bilbab	70.47	14	P	P	18 47 53.6	-1.3
BILL	Bilbab	70.47	14	eP	eP	18 47 55.2	+0.2
JMDO	Jabal Madar	70.64	293	P	P	18 47 57.7	+0.7
SNR=6.5							
MHTO	MHTO	70.64	291	P	P	18 47 57.9	+1.0
SNR=15							
MHTO	MHTO	70.64	291	P	P	18 47 57.9	+1.0
SNR=15							
BIDO	Bidbid	70.73	294	P	P	18 47 58.2	+0.7
SNR=13							
SMDO	Samad	70.76	293	P	P	18 47 58.0	+0.3
HOQ	Hogain	71.48	294	P	P	18 48 02.8	+0.7
SNR=11							
HOQ	Hogain	71.48	294	P	P	18 48 02.8	+0.7
SNR=11							
BSY	Bisyay	71.51	293	P	P	18 48 02.4	+0.2
SNR=8.5							
BSY	Bisyay	71.51	293	P	P	18 48 02.4	+0.2
SNR=8.5							
NIKH	Nikolski High	72.09	34	P	P	18 48 03.0	-2.1
SNR=2.5							
ARQ	Araqi	72.18	294	P	P	18 48 06.9	+0.7
SNR=13							
SOHO	SOHO	72.24	294	iP	iP	18 48 05.5	-1.1
SNR=2							
SOHO	SOHO	72.24	294	P	P	18 48 06.7	+0.1
SOHO	SOHO	72.24	294	P	P	18 48 06.7	+0.1
UOSS	Minazif	72.62	295	P	P	18 48 08.2	-0.6
UOSS	Minazif	72.62	295	P	P	18 48 09.2	+0.3
SHAO	Shalim	72.64	298	P	P	18 48 09.9	+0.9
SHAO	Shalim	72.64	298	P	P	18 48 09.9	+0.9
HATD	Hatta, Dubai	72.67	295	iP	iP	18 48 09.3	+0.2
SNR=10							
HATD	Hatta, Dubai	72.67	295	P	P	18 48 10.2	+1.1
SNR=14							
MSFE	Esma-Masafi	72.70	296	iP	iP	18 48 09.3	0.0
SNR=8.6							
MASF	Masafi	72.70	296	P	P	18 48 11.2	+1.9
SNR=9.5							
ASHO	Ashiyah	72.73	295	iP	iP	18 48 08.6	-0.9
SNR=11							
ASHO	Ashiyah	72.73	295	P	P	18 48 10.5	+1.0
SNR=14							
SHME	Shamm	72.78	296	P	P	18 48 11.4	+1.6
SHME	Shamm	72.78	296	P	P	18 48 11.4	+1.6
GEYT	Alibeck	72.82	309	I	Amb	18 48 19.2	
comp=Z,105nm,1.3s							
GEYT	Alibeck	72.82	309	P	P	18 48 10.2	+0.4
comp=Z,25nm,0.9s,baz=103,slow=6.7,SNR=26							
GEYT	Alibeck	72.82	309	P	P	18 48 10.2	+0.4
comp=Z,25nm,0.9s							
GYAOB	ALIBECK ARRAY	72.82	309	I	Amb	18 48 19.8	
comp=Z,25nm,0.9s							
SPIA	Saint Paul Is	72.92	30	P	P	18 48 08.5	-1.4
SNR=247							
MSEY	Mahe Island	72.94	264	P	P	18 48 11.1	+0.2
ALNE	Al Ain	72.95	294	iP	iP	18 48 11.4	+0.6
SNR=19							
ALNE	Al Ain	72.95	294	P	P	18 48 12.1	+1.3
SNR=41							
NAZ	Nazwa, Dubai	73.11	295	iP	iP	18 48 15.0	+3.2
SNR=7.7							
NAZ	Nazwa, Dubai	73.11	295	P	P	18 48 11.9	+0.2
SNR=8.6							
FAQ	Al Faqa, Dubai	73.16	295	iP	iP	18 48 11.2	-0.8
SNR=5.8							
FAQ	Al Faqa, Dubai	73.16	295	P	P	18 48 12.7	+0.7
UMQ	Jum Al-Quwin	73.18	12	P	P	18 48 12.1	+0.1
DMTO	DMTO	73.26	288	P	P	18 48 12.8	+0.1
ASUD	Al Ashush, Dub	73.38	295	iP	iP	18 48 14.5	+1.2
SNR=12							
ASUD	Al Ashush, Dub	73.38	295	P	P	18 48 14.0	+0.7
SNR=9.6							
AJN	Ajban	73.69	295	iP	iP	18 48 14.7	-0.5
SNR=7.6							
AJN	Ajban	73.69	295	P	P	18 48 15.9	+0.8
SNR=7.0							
UNV	Unalaska Valle	73.71	34	P	P	18 48 16.8	+2.2
UNV	Unalaska Valle	73.71	34	P	P	18 48 14.1	-0.5
SNR=251							
ABKAR	Akbulaik array	74.06	321	I	Amb	18 48 19.1	
comp=Z,86nm,1.3s							
DOK	Doka	74.09	289	P	P	18 48 17.6	+0.1
SNR=7.6							
DOK	Doka	74.09	289	P	P	18 48 17.6	+0.1
SNR=7.6							
KIP	Kipapa	74.09	69	eP	eP	18 48 17.6	+0.1
KIP	Kipapa	74.09	69	pmax	pmax		
comp=Z,99nm,1.7s							
AKUT	Akutan	74.21	34	P	LR	18 48 18.1	+0.6
RAR	Rarotonga	74.23	113	LR	LR	19 17 15.9	
comp=Z,133nm,21.9s,baz=300,slow=33							
WHFO	Wadi Hawf	74.39	288	P	P	18 48 19.2	-0.2
WHFO	Wadi Hawf	74.39	288	P	P	18 48 19.2	-0.2
WER	Riviere de l'E	74.51	247	P	P	18 48 20.2	+0.1
ABTO	Aybut	74.82	287	P	P	18 48 22.4	+0.5
MZR	Muzera	74.95	293	iP	iP	18 48 22.5	0.0
SNR=8.2							
MZR	Muzera	74.95	293	P	P	18 48 23.7	+1.2
MZR	Muzera	74.95	293	P	P	18 48 23.7	+1.2
GAMB	Gambell	75.03	24	P	P	18 48 21.5	-0.6
baz=244							
AKTO	Aktyubinsk	75.56	322	P	P	18 48 25.8	+0.3
AKTO	Aktyubinsk	75.56	322	LR	LR	19 24 09.9	
comp=Z,734nm,20.7s,baz=92,slow=98							
JRN	Garnain Island	75.66	295	P	P	18 48 26.5	+0.1
FALS	False Pass	75.74	34	P	P	18 48 26.4	+0.1
FALS	False Pass	75.74	34	P	P	18 48 25.3	-1.1
SNR=253							
SVE	Sverdljovsk	75.82	328	iP	iP	18 48 27.4	+0.6
SVE	Sverdljovsk	75.82	328	eS	eS	18 58 14.6	+7.4
SVE	Sverdljovsk	75.82	328	pmax	pmax		
comp=Z,132nm,1.3s							
M11K	Mekoryuk	76.07	28	P	P	18 48 26.8	-1.2
baz=250							
ARU	Arti	76.80	328	P	I	18 48 30.8	-1.6
ARU	Arti	76.80	328	I	Amb	18 48 33.9	
comp=Z,68nm,1.0s							
ARU	Arti	76.80	328	eP	eP	18 48 32.4	0.0
ARU	Arti	76.80	328	pmax	pmax		
comp=Z,95nm,1.3s							
ARU	Arti	76.80	328	MLR	MLR		
comp=Z,277nm,19.0s							
ARU	Arti	76.80	328	P	P	18 48 31.3	-1.1
comp=Z,38nm,0.8s,baz=104,slow=3.6,SNR=28							
ARU	Arti	76.80	328	PP	PP	18 51 25.7	+0.4
comp=Z,8.1nm,0.9s,baz=99,slow=9.1,SNR=2.5							
ARU	Arti	76.80	328	LR	LR	19 25 40.3	
comp=Z,268nm,18.6s,baz=102,slow=38							
comp=Z,38nm,0.8s							
TRNA	Turayna	77.12	295	P	P	18 48 35.6	+0.8
TNA	Tin City	77.26	23	P	P	18 48 33.7	-1.1
baz=247							
SHMA	Al-Shehemyia	77.42	296	P	P	18 48 37.2	+0.7
M13K	Dall Lake	77.42	28	I	Amb	18 48 42.6	
comp=Z,70nm,1.0s							
M13K	Dall Lake	77.42	28	P	P	18 48 34.5	-1.2
baz=252							

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SMRA	Abu-Samra	77.48	295	P	P	18 48 37.2	+0.4
SDPT	Sand Point	77.50	34	P	P	18 48 35.8	-0.5
SDPT	Sand Point	77.50	34	P	P	18 48 36.5	+0.2
SDPT	Sand Point	77.50	34	P	P	18 48 34.4	-1.9
baz=256							
SAKB	Salvin	77.81	296	P	P	18 48 39.2	+0.5
F14K	Arctic Creek	77.84	23	P	P	18 48 36.9	-1.1
baz=248							
CHNA	Chernabura Isl	77.87	34	P	P	18 48 36.3	-2.0
baz=257							
C19K	Nome	77.89	24	P	P	18 48 36.9	-1.4
baz=250							
L14K	Kuka Creek	78.01	27	P	P	18 48 38.1	-0.8
baz=253							
J14K	Narvanak Lak	78.05	26	I	Amb	18 48 46.1	
comp=Z,78nm,1.3s							
J14K	Narvanak Lak	78.05	26	P	P	18 48 38.2	-1.0
baz=252							
N14K	Kuskokwaw Cree	78.07	29	P	P	18 48 38.4	-1.0
baz=254							
O14K	Tigyukauvet M	78.09	30	I	Amb	18 48 45.9	
comp=Z,84nm,1.1s							
O14K	Tigyukauvet M	78.09	30	P	P	18 48 38.7	-0.8
baz=254							
M14K	Bethel	78.17	28	P	P	18 48 39.2	-0.7
baz=253							
S14K	Fog Glacier	78.23	33	P	P	18 48 38.7	-1.8
baz=252							
F15K	North Star Dit	78.58	23	P	P	18 48 41.1	-1.0
SNR=15							
F15K	North Star Dit	78.58	23	P	P	18 48 48.9	
comp=Z,152nm,1.8s							
G15K	Niukluk	78.58	24	P	P	18 48 40.6	-1.5
baz=251							
L15K	Ungalak Mouta	78.65	27	P	P	18 48 41.5	-1.1
baz=254							
M15K	Kasulik River	78.76	28	P	P	18 48 42.3	-0.9
baz=255							
O15K	Ungalikthiuk R	78.79	30	P	P	18 48 41.4	-2.0
baz=256							
K15K	Wolf Creek Mou	78.81	27	I	Amb	18 48 50.5	
comp=Z,128nm,1.1s							

18d 18h

Table with columns for station ID, name, elevation, date, time, and status. Includes stations like CAPN Captain Cook N, PPT Papeete, GNI Garni, etc.

2017 NOV

Table with columns for station ID, name, elevation, date, time, and status. Includes stations like E24K Your Creek, SCM Sheep Creek Mo, H24K Noodor Dome, etc.

1324

Table with columns for station ID, name, elevation, date, time, and status. Includes stations like CTGM Chitina Glacie, MOS Moscow, GNI Garni, etc.

18d 19h

Table with columns for station name, code, time, and other parameters. Includes stations like NOKA, CSTR Hydro, CSTR, OK035, etc.

2017 NOV

Table with columns for station name, code, time, and other parameters. Includes stations like MNHN, R40A, Z41A, ANMO, etc.

1326

Table with columns for station name, code, time, and other parameters. Includes stations like RTBA, U54A, SDCO, IDC 18:19:03, etc.

18d 19h

Table of station data for 18d 19h, including station names, codes, coordinates, and various parameters like SNR and time.

2017 NOV

Table of station data for 2017 NOV, including station names, codes, coordinates, and various parameters like SNR and time.

1328

Table of station data for 1328, including station names, codes, coordinates, and various parameters like SNR and time.

TGBT	Tuxtla Gutierrez	2.01	60	Pn	19 18 04.0 +1.0
TGBT	Tuxtla Gutierrez	2.01	60	iP	19 18 27.0 +0.1
TGBT	Tuxtla Gutierrez	2.01	60	iS	19 18 04.0 +1.0
NEUV	Arroyo Zacate	2.11	336	eP	19 18 05.1 +0.7
NEUV	Arroyo Zacate	2.11	336	eS	19 18 05.1 +0.7
OXLX	Oaxaca	2.15	307	iP	19 18 06.4 +1.3
OXLX	Oaxaca	2.15	307	iS	19 18 29.6 -1.1
PEIG	Puerto Escondido	2.17	276	eP	19 18 04.5 -0.7
PEIG	Puerto Escondido	2.17	276	eS	19 18 04.5 -0.7
PEIG	Puerto Escondido	2.17	276	eP	19 18 27.2 -3.7
OXIG	Oaxaca	2.18	307	eS	19 18 06.4 +1.3
VHO	Vista Hermosa	2.18	307	iP	19 18 06.8 +1.3
VHO	Vista Hermosa	2.18	307	eS	19 18 31.0 -0.4
MHIL	Minatitlan	2.23	9	eP	19 18 06.8 +0.8
MHIL	Minatitlan	2.23	9	eS	19 18 34.2 +1.9
TUIG	Tuzandepetl	2.29	12	eP	19 18 06.2 -0.2
TUIG	Tuzandepetl	2.29	12	eS	19 18 40.2 +6.3
PATR	El Naranjo	2.66	104	eP	19 18 12.7 +0.6
PATR	El Naranjo	2.66	104	eS	19 18 42.4 -0.9
THIG	THIG	2.69	108	eP	19 18 13.0 +0.6
THIG	THIG	2.69	108	eS	19 18 41.9 -1.8
PAVE	Pavencul	2.69	102	eP	19 18 13.5 +0.9
PAVE	Pavencul	2.69	102	eS	19 18 44.4 +0.3
CCIG	Comitan	2.71	79	Pn	19 18 13.2 +0.5
CCIG	Comitan	2.71	79	iP	19 18 45.0 +0.5
CCIG	Comitan	2.71	79	iS	19 18 34.0 +6.6
YOIG	Yosondua	2.75	293	eP	19 18 45.5 +1.1
YOIG	Yosondua	2.75	293	eS	19 18 15.2 +1.8
YOIG	Yosondua	2.75	293	iP	19 18 43.5 -2.2
YOIG	Yosondua	2.75	293	iS	19 18 15.2 +1.8
PMUV	Sontecomapan	2.76	356	eP	19 18 12.0 -1.4
PMUV	Sontecomapan	2.76	356	eS	19 18 42.7 -2.8
CHUU	Union Juarez	2.78	104	eP	19 18 14.8 +0.9
CHUU	Union Juarez	2.78	104	eS	19 18 45.6 -0.7
VHSA	Villahermosa	2.89	40	eP	19 18 16.4 +1.3
VHSA	Villahermosa	2.89	40	eS	19 18 40.5 +1.1
TXIG	TLaxiaco	3.11	299	eP	19 18 19.8 +1.4
TXIG	TLaxiaco	3.11	299	eS	19 18 52.2 -2.3
TXIG	TLaxiaco	3.11	299	iP	19 18 19.8 +1.4
TXIG	TLaxiaco	3.11	299	iS	19 18 52.2 -2.3
PNIG	Pinotepa	3.16	282	eP	19 18 18.5 -0.3
PNIG	Pinotepa	3.16	282	eS	19 18 49.9 -5.4
HUEH	Huehuetenango	3.31	97	eP	19 18 23.2 +2.1
HUEH	Huehuetenango	3.31	97	eS	19 19 03.7 +4.3
RTAL	Retalhuleu	3.34	111	eP	19 18 22.3 +1.0
RTAL	Retalhuleu	3.34	111	eS	19 18 53.0 +0.0
STG3	Santiagouito 3,	3.39	108	eP	19 18 23.7 +1.5
STG3	Santiagouito 3,	3.39	108	eS	19 19 21.4 +2.0
HLIG	Huajuapán de L	3.44	307	eP	19 18 24.2 +1.3
HLIG	Huajuapán de L	3.44	307	eS	19 19 00.6 -2.0
HLIG	Huajuapán de L	3.44	307	iP	19 18 24.2 +1.3
HLIG	Huajuapán de L	3.44	307	iS	19 19 00.6 -2.0
TPIG	Tehuacan	3.52	319	eP	19 18 26.7 +2.8
TPIG	Tehuacan	3.52	319	eS	19 18 26.7 +2.8
SULM	Suchitepequez,	3.54	114	eP	19 19 20.8 +1.6
SULM	Suchitepequez,	3.54	114	eS	19 18 26.5 +2.4
OZST	Orizaba	3.71	326	eP	19 19 07.5 -1.5
OZST	Orizaba	3.71	326	eS	19 19 07.5 -1.5
FTIG	Fresnillo de T	3.75	305	eP	19 18 29.0 +2.0
FTIG	Fresnillo de T	3.75	305	eS	19 19 07.3 -2.6
FTIG	Fresnillo de T	3.75	305	iP	19 18 29.0 +2.0
FTIG	Fresnillo de T	3.75	305	iS	19 19 07.3 -2.6
MGIG	Malinaltepec	3.86	293	eP	19 18 29.6 +1.1
MGIG	Malinaltepec	3.86	293	eS	19 19 08.9 -3.9
MGIG	Malinaltepec	3.86	293	iP	19 18 29.6 +1.1
MGIG	Malinaltepec	3.86	293	iS	19 19 08.9 -3.9
TLIG	TLiapa	3.93	297	eP	19 18 31.3 +1.7
TLIG	TLiapa	3.93	297	eS	19 18 31.2 +1.7
JAUU	Jalcomulco	4.00	333	eP	19 19 10.9 -5.2
JAUU	Jalcomulco	4.00	333	eS	19 18 32.3 +2.3
HMTT	Tlanepaco	4.04	300	eP	19 19 14.5 -2.5
HMTT	Tlanepaco	4.04	300	eS	19 18 32.3 +2.3
HMTT	Tlanepaco	4.04	300	iP	19 19 14.5 -2.5
HMTT	Tlanepaco	4.04	300	iS	19 18 32.3 +2.3
FUG	Fuego 3	4.14	108	eP	19 18 35.5 +1.3
CRIG	Cruz Grande	4.17	284	eP	19 18 32.7 +0.1
CRIG	Cruz Grande	4.17	284	eS	19 18 32.7 +0.1
CRIG	Cruz Grande	4.17	284	iP	19 18 32.7 +0.1
CRIG	Cruz Grande	4.17	284	iS	19 18 32.7 +0.1
LVIG	Laguna Verde	4.18	340	eP	19 19 13.0 -7.1
LVIG	Laguna Verde	4.18	340	eS	19 19 15.1 -5.3
PCG	Pacaya	4.38	108	eP	19 18 40.5 +4.8
PCG	Pacaya	4.38	108	eS	19 19 40.3 +1.5
NBG	Las Nubes	4.56	104	eP	19 18 42.8 +4.6
DAIG	Los Arroyos	4.72	286	eP	19 18 40.8 +0.4
DAIG	Los Arroyos	4.72	286	eS	19 19 26.8 -6.9
DAIG	Los Arroyos	4.72	286	iP	19 18 40.8 +0.4
DAIG	Los Arroyos	4.72	286	iS	19 19 26.8 -6.9
SCIG	Sabancuy	4.76	48	iP	19 18 40.1 -0.6
SCIG	Sabancuy	4.76	48	iS	19 19 27.1 -7.6
PPM	Popocatepetl	4.83	313	eP	19 18 44.0 +1.9
PPM	Popocatepetl	4.83	313	eS	19 19 34.0 +1.8
PPIG	Popocatepetl	4.83	313	eP	19 19 37.1 0.0
PPIG	Popocatepetl	4.83	313	eS	19 19 37.1 0.0
AC2P	Acapulco	4.91	284	eP	19 18 41.5 -1.2
AC2P	Acapulco	4.91	284	eS	19 18 41.5 -1.2
AC2P	Acapulco	4.91	284	iP	19 19 27.6 -1.1
AC2P	Acapulco	4.91	284	iS	19 19 40.0 +0.4
MEIG	Mezcala	4.99	296	eP	19 18 46.4 +2.3
MEIG	Mezcala	4.99	296	eS	19 18 46.4 +2.3
YAIU	Yatepec	5.02	308	iP	19 18 47.0 +2.5
YAIU	Yatepec	5.02	308	iS	19 19 36.0 -5.3
CXUV	Coxquihui	5.06	330	eP	19 18 42.0 -0.1
CXUV	Coxquihui	5.06	330	eS	19 18 47.9 +2.3
PLIG	Platanillo	5.11	301	eP	19 18 47.9 +2.3
PLIG	Platanillo	5.11	301	iP	19 19 38.2 -5.1
CAIG	El Cayaco	5.30	285	eP	19 18 48.8 +0.6
CAIG	El Cayaco	5.30	285	eS	19 19 08.0 +0.6
CAIG	El Cayaco	5.30	285	iP	19 19 40.1 -7.9
UNM	Universidad Na	5.39	312	eP	19 18 50.1 +0.4
UNM	Universidad Na	5.39	312	eS	19 18 51.7 +2.0
UNM	Universidad Na	5.39	312	iP	19 19 51.4 +0.8
UNM	Universidad Na	5.39	312	iS	19 18 52.1 +1.5
ESQI	Esquipulas	5.51	102	eP	19 19 54.1 -0.2
ESQI	Esquipulas	5.51	102	eS	19 18 57.1 +2.5
ARIG	Puente Sto Nin	5.77	296	iP	19 19 54.1 -5.5
ARIG	Puente Sto Nin	5.77	296	iS	19 18 57.6 +1.5
SNET	Serv Nac Est T	5.87	110	eP	19 19 03.9 +3.3
SNET	Serv Nac Est T	5.87	110	eS	19 20 09.7 +4.8
DEIG	Demacú	6.54	287	eP	19 19 06.8 +1.6
DEIG	Demacú	6.54	287	eS	19 19 06.8 +1.6
ZIIG	Zihuatanejo	6.54	287	iP	19 20 10.4 -8.2
ZIIG	Zihuatanejo	6.54	287	iS	19 19 13.0 -0.0
MYIG	Mrida	7.11	43	eP	19 20 27.4 -5.1
MYIG	Mrida	7.11	43	eS	19 19 17.2 +3.6
MOIG	Morelia	7.13	304	eP	19 19 16.8 +3.3
MOIG	Morelia	7.13	304	eS	19 20 36.4 +3.0
JRQQ	Juriquilla Cam	7.19	314	eP	19 19 17.7 +3.4
JRQQ	Juriquilla Cam	7.19	314	eS	19 20 42.1 +7.3
TGUH	Tegucigalpa,Un	7.57	102	eP	19 19 20.7 +0.7
TGUH	Tegucigalpa,Un	7.57	102	eS	19 19 21.4 +1.9
TEIG	TEpich	7.70	54	eP	19 19 19.0 -2.1
TEIG	TEpich	7.70	54	eS	19 19 19.3 -1.8
TEIG	TEpich	7.70	54	iP	19 19 18.5 -2.6
TEIG	TEpich	7.70	54	iS	19 19 18.5 -2.6
TEIG	TEpich	7.70	54	eP	19 20 40.6 -6.5
TEIG	TEpich	7.70	54	eS	19 20 46.1
RPIG	Rio Verde	7.75	322	eP	19 19 22.4 +0.6
RPIG	Rio Verde	7.75	322	eS	19 19 22.4 +0.6
CRIN	San Cristobal	8.21	111	eP	19 21 01.2 +1.3
CRIN	San Cristobal	8.21	111	eS	19 19 30.8 +2.7
CRIN	San Cristobal	8.21	111	iP	19 19 31.8 +3.6
CRIN	San Cristobal	8.21	111	iS	19 19 31.1 -1.2
GTIG	Gomez Farias	8.29	332	eP	19 21 08.6 +7.7
MMIG	Aguila	8.45	288	eP	19 19 33.4 +2.0
MMIG	Aguila	8.45	288	eS	19 19 33.4 +2.0
MMIG	Aguila	8.45	288	iP	19 21 08.2 +2.8
MMIG	Aguila	8.45	288	iS	19 19 34.8 +1.3
CNGN	Cerro Negro	8.60	111	eP	19 19 36.3 +3.0
CNGN	Cerro Negro	8.60	111	eS	19 19 43.1 +3.6
COIG	Colima	9.04	293	eP	19 19 44.1 +4.1
JUBC	Volcan de Coli	9.04	293	eS	19 19 44.1 +4.1

EZSV	Volcan de Coli	9.07	295	eP	19 19 44.4 +4.2
EZSV	Volcan de Coli	9.07	295	eS	19 19 44.3 +4.0
INGA	Volcan de Coli	9.08	295	eP	19 19 44.3 +4.0
INGA	Volcan de Coli	9.08	295	eS	19 19 44.3 +4.0
INCO	Volcan de Coli	9.09	295	eP	19 19 44.3 +4.0
INCO	Volcan de Coli	9.09	295	eS	19 19 44.3 +4.0
SOMAC	Volcano de Col	9.11	295	eP	19 19 45.1 +4.3
SOMAC	Volcano de Col	9.11	295	eS	19 19 45.1 +4.3
CDAR	Ciudad de Arme	9.24	291	eP	19 19 46.5 +3.8
CDAR	Ciudad de Arme	9.24	291	eS	19 19 46.5 +3.8
CEGR	Campo Tres	9.25	293	eP	19 19 22.2 -2.0
CEGR	Campo Tres	9.25	293	eS	19 19 22.2 -2.0
R1SV	BOAC	9.29	293	eP	19 19 47.1 +0.6
R1SV	BOAC	9.29	293	eS	19 19 45.4 +1.9
BOAB	BOAC BROADBAN	9.55	109	Pn	19 21 40.1 -3.3
BOAB	BOAC BROADBAN	9.55	109	eP	19 19 53.9 +0.5
CIHU	Emiliano Zapat	10.00	292	iP	19 19 56.1 +1.0
CIHU	Emiliano Zapat	10.00	292	iS	19 19 55.7 +0.6
LNIG	Linares	10.03	396	eP	19 19 59.4 +2.0
LNIG	Linares	10.03	396	eS	19 21 57.1 +5.1
ZACAS	Zacatecas	10.35	315	Pn	19 20 55.0 +1.1
ACON	Acopya	10.37	111	eP	19 20 40.4 +4.1
ACON	Acopya	10.37	111	eS	19 20 42.2 +2.5
ACON	Acopya	10.37	111	eP	19 20 05.9 +2.6
ACON	Acopya	10.37	111	eS	19 20 05.2 +0.8
CJM	Chamela	10.35	292	eP	19 20 10.6 +2.6
CJM	Chamela	10.35	292	eS	19 20 09.4 +1.3
HIZTE	Huixtla	10.37	301	eP	19 20 14.6 +3.5
HIZTE	Huixtla	10.37	301	eS	19 20 12.5 +2.9
AR1	Arenal 1	11.24	117	eP	19 20 13.2 +1.9
AR1	Arenal 1	11.24	117	eS	19 20 11.4 -0.2
COVE	Coque Vega, Sa	11.39	115	eP	19 20 18.0 +2.1
COVE	Coque Vega, Sa	11.39	115	eS	19 20 21.3 +1.5
JACO	JACO, Garabito	11.70	120	eP	19 20 24.9 +1.9
JACO	JACO, Garabito	11.70	120	eS	19 20 59.0 +1.1
HDC	Heredia	11.98	117	Pn	19 20 34.7 +0.8
HDC	Heredia	11.98	117	eP	19 20 36.4 +0.6
LCHR	La Lucha 2	12.21	118	eP	19 20 38.8 +3.0
LCHR	La Lucha 2	12.21	118	eS	19 20 33.0 -3.6
RIMA	Rio Macho	12.31	118	eP	19 20 38.1 +0.6
RIMA	Rio Macho	12.31	118	eS	19 20 45.6 +0.9
SRBA	San Rafael, Bu	13.01	119	eP	19 20 49.1 +0.2
SRBA	San Rafael, Bu	13.01	119	eS	19 20 51.3 +0.6
833A	Chaparral WMA,	13.16	342	Pn	19 20

18d 19h

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like TPFO Pinon Flats, PFO Pinon Flats O, ACSO Alum Creek Sta, etc.

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Table with columns for station name, elevation, frequency, and other technical details. Includes stations like LPAZ La Paz, IPOC Station P, MDP Montagnes des Chuzmas, etc.

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Table with columns for station name, elevation, frequency, and other technical details. Includes stations like GLI Glacier Island, M24K Tolson, SCRK Sand Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Turunc, Yerkesik, Tasoluk, Arkhangelos, etc.

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TAPN, RAMN, JIRN, GUN, etc.

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

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

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

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

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

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

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

19D Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AVE Averroes, PBDV Barranco-do-Verde, EGOM La Gomera, PNCL Nicolau / Gran, etc.

ADC 18 23:45:32.1±0.7, 2.57N, 128.46E, h0km, mb4.0/1.3, mbmp4.1/1.3, MS2.9/5, Error ellipse: s-maj=40.8km s-min=14.0km az=78.0

DJA 18 23:45:35.6±0.5, 3.1N, 128.46E, h10km, M4.1/1.0, mb4.2/3.3, MLv4.0/1.0

NEIC 18 23:45:35.1±1.1, 2.54N, 0.07x128.23E±0.04, h12km, 5.6km, mb4.4/2.6, Error ellipse: s-maj=10.4km s-min=4.5km az=24.0

ISC 18 23:45:34.4±0.5, 2.56N, 0.05x128.22E±0.08, h10km, n63, c=0.94/5.5, mb4.4/2.4, MS2.8/3, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TMTI Ternate, SGSI Sangihe, LBMI Labuha, SWI Sorong, SANI Sanana, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, KURK Kurchatov, BTK Batken, GAR Garm, etc.

NEIC 18 23:58:03.8±1.4, 16.98S, 0.08x173.5W±0.1, h33km, 6km, mb4.5/1.8, Error ellipse: s-maj=16.6km s-min=11.6km az=102.0

ADC 18 23:58:15.8±4.6, 17.19S, 173.65W, h139km, 39km, mb3.9/7, mbmp4.3/3.8, MS3.5/8, Error ellipse: s-maj=40.0km s-min=19.0km az=142.0

ISC 18 23:58:05.2±0.5, 16.94S, 0.07x173.48W±0.08, h52km, n57, c=1.126/5.2, mb4.4/1.6, MS3.5/7, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, NIUE Niue, MSVF Nonsava, RAR Rarotonga, DZM Mont Dzumac, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MYKA Terra Mystica, ABTA Abfalterbach, TORD Torodi Arra, etc.

ADC 19 00:02:11.1±1.2, 3.23S, 128.30E, h0km, mb3.9/5, mbmp4.0/7, ML4.0/2, MS3.4/4, Error ellipse: s-maj=50.8km s-min=12.8km az=68.0

DJA 19 00:02:11.3±1.7, 2.5S, 12.9E, h13km, 15km, M4.2/8, mb4.5/4, mb2.9/2.2, MLv4.0/8, MLW(8.1)/5.2

ISC 19 00:02:11.2±0.9, 2.81S, 0.09x128.0E±0.09, h10km, n19, c=2.6/10.15, mb4.0/5, MS3.3/3, Ceram Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NLAJ Namlea, BNDI Bandanaira, SNI Sanana, SWI Sorong, etc.

ADC 19 00:07:43.6±0.8, 2.35N, 128.06E, h0km, mb3.9/10, mbmp3.9/10, MS3.3/2, Error ellipse: s-maj=60.8km s-min=14.6km az=74.0

NEIC 19 00:07:46.1±1.2, 2.40N, 0.05x128.09E±0.10, h10km, 1km, mb4.4/1.5, Error ellipse: s-maj=18.7km s-min=8.6km az=90.0

ISC 19 00:07:45.4±0.6, 2.41N, 0.06x128.1E±0.1, h10km, n35, c=0.67/3.6, mb4.1/1.8, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TMTI Ternate, FAKI Fak, TOLII Tolitoli, BATI Baunata, etc.

KK31	comp=Z,1.3nm,0.8s	IAMB	IAMB	h m s	18 29.2
KKAR	Kararay Array	65.12 317	P	P	00 18 26.4 -0.2
BVAR	Borovoye Array	69.17 327	P	P	00 18 52.7 +0.7
BVAR	comp=Z,0.5nm,0.5s,baz=116,slow=9.8,SNR=3.6	LR	LR	00 50 40.3	
ABKAR	Abkarak array	74.03 321	P	P	00 19 20.9 -0.5
B21K	Ikpkpkp River	83.33 20	P	P	00 20 13.1 +0.9
E21K	Iklikik River	83.34 21	P	P	00 20 13.2 +0.8
C23K	Iklikik River	84.74 20	P	P	00 20 20.1 +0.7
C23K	comp=Z,6.0nm,1.4s	IAMB	IAMB	00 20 40.6	
TORD	Torodi Ar. Bea	124.62 288	PKP	PKPpdf	00 26 46.4 +0.1
TORD	comp=Z,0.5nm,1.0s,baz=92,slow=4.3,SNR=1.9				

19d 0h 05:25:39.9,2.3,6.35S:129.20E,h0km,mb3.4/1, s-mtimp=33.7km az=68.0, Banda Sea

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h m s	ISC	Time	Res
WRA	Warramunga Arr	14.40 160	Ph	Pn	Pn	00 29 05.3	+0.1		
WRA	comp=1.0nm,0.3s,baz=339,slow=13,SNR=10								
ASAR	Alice Springs	17.80 166	P	Pn	Pn	00 29 49.2	-0.1		
ASAR	comp=Z,0.5nm,0.5s,baz=335,slow=9.4,SNR=1.5								
ASAR	comp=1.0nm,0.3s,baz=344,slow=13,SNR=1.7								
MKAR	Makanchi Array	67.25 327	P	P	P	00 36 36.3	0.0		
MKAR	comp=1.0nm,0.7s,baz=146,slow=6.2,SNR=1.5								

NEIC 19 00:45:08.2:1.1,61.49N:0.02:146.57W:0.04,h30km,9km, Error ellipse: s-maj=2.9km s-min=2.7km az=86.0

AEIC 19 00:45:08.8:1.1,61.48N:0.02:146.55W:0.04,h20km,7km, ML3.4,ML3.5/212(NEIC), Error ellipse: s-maj=2.8km s-min=2.6km az=80.0

ISC 19 00:45:08.0:0.9,61.48N:0.02:146.57W:0.02,h33km,8km, n15,0:6:68/321,Southern Alaska

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h m s	ISC	Time	Res
KLU	Klutina	0.31 88	Op	Pb	Pb	00 45 15.8	-0.1		
KLU	comp=0.2nm,0.3s,baz=269								
KLU	Klutina	0.31 88	P	Pb	Pb	00 45 15.8	-0.1		
KLU	comp=0.2nm,0.3s,baz=269								
SCM	Sheep Creek Mo	0.51 314	S	Pb	Pb	00 45 21.6	+0.3		
SCM	comp=0.2nm,0.3s,baz=269								
SCM	Sheep Creek Mo	0.51 314	Sg	Pb	Pb	00 45 18.4	-0.3		
SCM	comp=0.2nm,0.3s,baz=133								
DIV	Divide	0.52 132	S	Pb	Pb	00 45 17.9	-1.0		
DIV	comp=0.2nm,0.3s,baz=132								
M23K	Glacier View	0.64 300	P	Pb	Pb	00 45 20.0	-0.8		
M23K	comp=0.2nm,0.3s,baz=118								
M23K	Glacier View	0.64 300	P	Pb	Pb	00 45 20.0	-0.8		
M23K	comp=0.2nm,0.3s,baz=118								
M24K	Tolsona, Glenn	0.65 16	Sg	Pb	Pb	00 45 20.8	-0.4		
M24K	comp=0.2nm,0.3s,baz=118								
M24K	Tolsona, Glenn	0.65 16	P	Pb	Pb	00 45 30.9	+0.6		
M24K	comp=0.2nm,0.3s,baz=196								
M24K	Glacier Island	0.66 203	S	Pb	Pb	00 45 20.7	-0.4		
M24K	comp=0.2nm,0.3s,baz=196								
GLI	Glacier Island	0.66 203	Sg	Pb	Pb	00 45 20.4	-0.7		
GLI	comp=N,3um,0.3s								
GLI	Glacier Island	0.66 203	P	Pb	Pb	00 45 20.4	-0.7		
GLI	comp=E,2um,0.3s								
GLI	Glacier Island	0.66 203	S	Pb	Pb	00 45 20.4	-0.7		
GLI	comp=N,3um,0.3s								
FID	Port Fidalgo	0.74 177	Sg	Pb	Pb	00 45 22.0	-0.4		
FID	comp=N,2um,0.3s								
FID	Port Fidalgo	0.74 177	IAML	Pb	Pb	00 45 33.2	+0.9		
FID	comp=N,2um,0.3s								
SML	Sawmill	0.90 292	P	Pb	Pb	00 45 36.3			
SML	comp=E,3um,0.3s								
SML	Sawmill	0.90 292	IAML	Pb	Pb	00 45 23.8	-1.5		
SML	comp=N,3um,0.6s								
SML	Sawmill	0.90 292	P	Pb	Pb	00 45 36.7	-1.0		
SML	comp=E,2um,0.5s								
SML	Sawmill	0.90 292	S	Pb	Pb	00 45 23.8	-1.5		
SML	comp=N,3um,0.6s								
KNK	Knik Glacier	0.91 266	P	Pb	Pb	00 45 23.7	-1.5		
KNK	comp=N,3um,0.6s								
KNK	Knik Glacier	0.91 266	P	Pb	Pb	00 45 24.5	-0.8		
KNK	comp=N,3um,0.6s								
KNK	Knik Glacier	0.91 266	S	Pb	Pb	00 45 36.7	-0.5		
KNK	comp=N,3um,0.6s								
N25K	Chitina, Valde	0.95 82	P	Pn	Pn	00 45 24.4	-0.8		
N25K	comp=N,1um,0.4s								
N25K	Chitina, Valde	0.95 82	P	Pn	Pn	00 45 24.4	-0.8		
N25K	comp=N,1um,0.4s								
EYAK	Cordova Ski Ar	1.02 157	P	Pn	Pn	00 45 26.2	+0.3		
EYAK	comp=N,2um,0.4s								
EYAK	Cordova Ski Ar	1.02 157	P	Pn	Pn	00 45 25.5	-0.5		
EYAK	comp=N,2um,0.4s								
PWL	Port Wells	1.06 235	IAML	Pn	Pn	00 45 26.6	0.0		
PWL	comp=E,2um,0.4s								
PWL	Port Wells	1.06 235	IAML	Pn	Pn	00 45 41.1	-0.4		
PWL	comp=N,2um,0.4s								
PWL	Port Wells	1.06 235	S	Pb	Pb	00 45 26.7	0.0		
PWL	comp=N,2um,0.4s								
PWL	Port Wells	1.06 235	S	Pb	Pb	00 45 41.2	-0.2		
PWL	comp=N,2um,0.4s								
BMRM	Bremner River	1.08 118	P	Pn	Pn	00 45 25.9	-1.0		
BMRM	comp=N,2um,0.4s								
BMRM	Bremner River	1.08 118	P	Pn	Pn	00 45 41.1	-0.9		
BMRM	comp=N,2um,0.4s								
BMRM	Bremner River	1.08 118	P	Pn	Pn	00 45 26.2	-0.7		
BMRM	comp=N,2um,0.4s								
BMRM	Bremner River	1.08 118	S	Pb	Pb	00 45 41.2	-0.9		
BMRM	comp=N,2um,0.4s								
HIN	Hinchinbrook I	1.09 178	IAML	Pn	Pn	00 45 27.4	+0.4		
HIN	comp=N,1um,0.4s								
HIN	Hinchinbrook I	1.09 178	IAML	Pn	Pn	00 45 44.7			
HIN	comp=N,1um,0.4s								
HARP	HAARP	1.14 35	P	Pn	Pn	00 45 27.9	+0.2		
HARP	comp=N,1um,0.4s								
HARP	HAARP	1.14 35	P	Pn	Pn	00 45 27.9	+0.2		
HARP	comp=N,1um,0.4s								
GHO	Glory Hole Cre	1.16 285	Ph	Pn	Pn	00 45 28.0	-0.1		
WACK	Wrangell Chich	1.18 64	P	Pn	Pn	00 45 28.2	-0.3		
WACK	comp=N,1um,0.5s								
WASW	Wrangell South	1.23 68	P	Pn	Pn	00 45 28.8	-0.3		
WAT6	Susitna Watana	1.23 334	P	Pn	Pn	00 45 28.5	-0.6		
WAT6	comp=N,1um,0.5s								
WAT6	Susitna Watana	1.23 334	P	Pn	Pn	00 45 28.5	-0.6		
WAT6	comp=N,1um,0.5s								
PMR	Palmer	1.23 276	IAML	Pn	Pn	00 45 29.3	+0.3		
PMR	comp=E,2um,0.5s								
PMR	Palmer	1.23 276	P	Pn	Pn	00 45 47.5			
PMR	comp=N,1um,0.5s								
GOAT	Goat Mountain	1.27 135	P	Pn	Pn	00 45 29.2	+0.2		
GOAT	comp=N,1um,0.5s								
WAZA	Wrangell Mount	1.29 62	P	Pn	Pn	00 45 29.6	0.0		
WAZA	comp=N,1um,0.5s								
GLB	Gilathina Butte	1.32 91	Ph	Pn	Pn	00 45 30.1	0.0		
GLB	comp=N,1um,0.5s								
RAGM	Ragged Mountai	1.44 139	Pn	Pn	Pn	00 45 30.0	-0.2		
RAGM	comp=N,1um,0.5s								
VRDI	Verde Repeater	1.52 98	Ph	Pn	Pn	00 45 32.9	-0.2		
VRDI	comp=N,1um,0.5s								
VRDI	Verde Repeater	1.52 98	IAML	Pn	Pn	00 45 57.8			
VRDI	comp=N,1um,0.5s								
P23K	Montague Islan	1.55 196	P	Pn	Pn	00 45 32.7	+0.9		
P23K	comp=N,472nm,0.6s								
P23K	Montague Islan	1.55 196	P	Pn	Pn	00 45 32.9	-0.2		
P23K	comp=N,472nm,0.6s								
P23K	Montague Islan	1.55 196	P	Pn	Pn	00 45 33.9	+0.6		
P23K	comp=N,472nm,0.6s								
PAX	Paxson	1.58 19	P	Pn	Pn	00 45 33.9	+0.6		
PAX	comp=N,472nm,0.6s								

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h m s	ISC	Time	Res
PAX	Paxson	1.58 19	P	Pn	Pn	00 45 33.9	+0.2		
PAX	comp=N,472nm,0.6s								
RC01	Rabbit Creek A	1.58 257	P	Pn	Pn	00 45 35.0	+1.2		
RC01	comp=N,472nm,0.6s								
RC01	Rabbit Creek A	1.58 257	P	Pn	Pn	00 45 34.9	+1.2		
RC01	comp=N,472nm,0.6s								
HMT	Hamilton	1.61 135	P	Pn	Pn	00 45 34.8	+0.6		
HMT	comp=N,472nm,0.6s								
WAT1	Susitna Watana	1.64 326	P	Pn	Pn	00 45 35.1	+0.5		
WAT1	comp=N,472nm,0.6s								
WAT1	Susitna Watana	1.64 326	P	Pn	Pn	00 45 35.1	+0.5		
WAT1	comp=N,472nm,0.6s								
DHY	Denali Highway	1.64 347	IAML	Pn	Pn	00 45 35.1	+0.5		
DHY	comp=E,493nm,0.6s								
DHY	Denali Highway	1.64 347	IAML	Pn	Pn	00 45 35.1	+0.4		
DHY	comp=N,472nm,0.6s								
DHY	Denali Highway	1.64 347	IAML	Pn	Pn	00 46 01.9			
DHY	comp=N,472nm,0.6s								
DHY	Denali Highway	1.64 347	P	Pn	Pn	00 45 34.9	+0.2		
DHY	comp=N,472nm,0.6s								
MCARA	McCarthy VSAT	1.71 92	P	Pn	Pn	00 45 36.1	+0.7		
MCARA	comp=N,472nm,0.6s								
MCARA	McCarthy VSAT	1.71 92	P	Pn	Pn	00 45 35.9	+0.4		
MCARA	comp=N,472nm,0.6s								
M22K	Willow	1.72 281	P	Pn	Pn	00 45 36.7	+1.1		
M22K	comp=N,472nm,0.6s								
M22K	Willow	1.72 281	P	Pn	Pn	00 45 36.7	+1.1		
M22K	comp=N,472nm,0.6s								
WAT7	Susitna Watana	1.73 323	P	Pn	Pn	00 45 36.5	+0.7		
WAT7	comp=N,472nm,0.6s								
BERG	Berg Lake	1.78 127	P	Pn	Pn	00 45 36.7	+0.3		
BERG	comp=N,472nm,0.6s								
NCHA	Nichols Mount	1.78 133	Ph	Pn	Pn	00 45 37.5	+1.1		
NCHA	comp=N,472nm,0.6s								
FIS	Fire Island	1.79 261	Ph	Pn	Pn	00 45 38.1	+1.5		
FIS	comp=N,472nm,0.6s								
CRQM	Crater Peak Br	1.82 112	P	Pn	Pn	00 45 37.9	+0.8		
CRQM	comp=N,472nm,0.6s								
O22K	Cooper Landing	1.84 238	P	Pn	Pn	00 45 38.5	+1.3		
O22K	comp=N,472nm,0.6s								
O22K	Cooper Landing	1.84 238	P	Pn	Pn	00 45 38.7	+1.4		
O22K	comp=N,472nm,0.6s								
CRQE	Cooper Landing	1.84 212	P	Pn	Pn	00 45 37.7	+0.3		
CRQE	comp=N,472nm,0.6s								

19d Oh

Table with columns for station code, name, coordinates, and other data. Includes stations like PRP, O29M, SYI, EGAK, etc.

2017 NOV

Table with columns for station code, name, coordinates, and other data. Includes stations like N16K, F24K, L16K, etc.

1338

Table with columns for station code, name, coordinates, and other data. Includes stations like PAOL, CIGN, CAFE, etc.

19d 1h

AZER 19 01:07:38.6,1.2,34.444N,45.99E,h10km,Error ellipse: s-maj=14.0km s-min=7.0km az=130.0
ISC 19 01:07:33.1,0.3,34.411N,0.03,45.97E,0.03,h10km,n280, c=267/298,mb4.2/37,MS2.7/3,13C-10D,Iran-Iraq border

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, H, m, s, ISC. Lists various seismic stations and their coordinates and phases.

2017 NOV

Table with columns: SHMA, Al-Shehemyia, 9.56 152, P, Pn, 01 09 45.2 -5.6. Lists seismic events with station names, magnitudes, and arrival times.

1340

Table with columns: SORM, Soroca, 19.00 321, P, Pn, 01 11 56.3 +0.8. Lists seismic events with station names, magnitudes, and arrival times.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like WMQ Urumqi, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like KNRA Kunurrua, ARCES ARCESS Array B, BRTR Keskin Array B, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like SONM Sogino Array, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

IDC 19 01:11:26.4-8.9, 16.225x174.70W, h0km, mb3.6/3, mbtmp3.6/3, MS3.1/6, Error ellipse: s-maj=392.5km s-min=41.6km az=140.0, Tonga Islands

IDC 19 02:10:18.4-7.4, 17.845x178.99W, h506km, 21km, mb2.8/3, mbtmp3.6/4, Error ellipse: s-maj=267.1km s-min=28.5km az=143.0, Fiji Islands region

IDC 19 02:59:05.0-0.8, 2.56N:128.35E, h0km, mb3.8/11, mbtmp3.8/11, MS3.4/4, Error ellipse: s-maj=49.3km s-min=15.6km az=77.0, DJA 19 02:59:08.0-0.5, 2.15N:122.8E, h10km, M4.1/11, mb4.1/3, MW4.1/11

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like MSVF Nonsavu, CTA Charters Tower, WRA Warramunga Arr, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like KARS Kars, GAZ Gaziantep, MPR Malatya, etc.

IDC 19 01:15:44.8-0.7, 32.03N:104.44E, h0km, mb3.9/18, mbtmp3.9/20, M6.7/2, MS2.1/1, Error ellipse: s-maj=23.6km s-min=14.2km az=42.0, NEIC 19 01:15:46.7-1.6, 32.1N:104.6E, h10km, 1km, mb4.7/15, Error ellipse: s-maj=23.0km s-min=17.0km az=197.0

IDC 19 02:39:53.2-6.2, 29.54N:94.75E, h0km, mb3.4/4, mbtmp3.3/5, ML3.3/1, Error ellipse: s-maj=254.0km s-min=22.3km az=60.0, Eastern Xizang-India border region

IDC 19 02:59:05.0-0.8, 2.56N:128.35E, h0km, mb3.8/11, mbtmp3.8/11, MS3.4/4, Error ellipse: s-maj=49.3km s-min=15.6km az=77.0, DJA 19 02:59:08.0-0.5, 2.15N:122.8E, h10km, M4.1/11, mb4.1/3, MW4.1/11

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like LZH Lanzhou, LYN Linyi, SHL Shilling, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like EIL Elat, EIL Eilat, GEYT Alibeck, etc.

n29.0550/42.3C, Off coast of Costa Rica

Fault plane solution: Mu:2.82000x10^15 NP1:phi:88.00000; ...

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like EDDO, Ojochal, LLNJ, etc.

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists stations like JAOM, HACHIOJIMAKAS, etc.

Table with columns: WMQ, Urumqi, 42.74 301, eP, P, Pmax, etc. Lists stations like Urumqi, DGZ, ZALV, etc.

MOS 19 03:28:42.7z 1.0, 32.15N, 140.70E, h49km, mb4.9/39, Error ellipse: s-maj=13.5km s-min=5.3km az=111.2

NEIC 19 03:28:44.1z 1.7, 32.28N, 140.07E, h40km, mb4.7/156, Error ellipse: s-maj=12.5km s-min=8.4km az=58.0

NIED 19 03:28:44.8, 32.37N, 140.88E, h36km, MW4.3, Moment Tensor Solution. s3 Moment tensor: Scale: 2.015Nm; Mrr-1.71; Mss-1.95; Mss-0.24; Mrr-0.87; Mss-2.32; Mrr-0.18;

19d 3h

Table with columns: ID, Name, Elevation, Azimuth, Distance, Direction, Date, Time, Status, etc. Rows include SUA Susitna One, G22K Bettles, E22K Anaktuvuk Pass, etc.

2017 NOV

Table with columns: ID, Name, Elevation, Azimuth, Distance, Direction, Date, Time, Status, etc. Rows include SCRK Sand Creek, SCRK Sand Creek, KK31 Karatay Array, etc.

1344

Table with columns: ID, Name, Elevation, Azimuth, Distance, Direction, Date, Time, Status, etc. Rows include S34M Telegraph Cree, TGTN Hyland Airport, DLBO Dease Lake, etc.

1345

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MFID Camas Ranch, YERR Yerington, WAKR Walker, etc.

2017 NOV

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like OKC Ostrava-Krasne, MORC Moravsky Berou, OSTC Ostas, etc.

19d 3h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like OTAV Otavalo, CUSE Cucucocha Este, IMBA Imbabura, etc.

NEIC 19 03:35:48.6:1.7, 4.17S:0.08:80.65W:0.04, h41km, 10km, mb4, 4/31, Error ellipse: s-maj=11.1km s-min=5.4km

VAD 19 03:35:48.7:1.1, 4.22S:80.31W, h10km, mb.6 IAO 19 03:35:48.2:5, 4.17S:80.77W, h69km, mb22km, mb3/9/14, mbmp4, 2/18, MS3.4/16, Error ellipse: s-maj=25.1km s-min=13.7km az=69.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other technical details. Includes stations like MCRA Macar, SALI Salinas, etc.

19d 5h

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, SUMG Summit, SNAZ Sanaz, SNAA Sanae, ESDC Sonseca Array, NEEM North Greenland, TORD Torodi Ar. Bea, ILAR Eielson Array, TROLL Troll, Antarti, QSPA South Pole Q, EKA Eskdalemuir Ar, KEST Kesra, BVAR Borovoye Array, CTA Charters Tower, ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Arr, SONM Sogingo Array, KSRSS Korea Arry, WRA Warramunga Arr, HHC Hu-ho-hao-te, LZH Lanzhou.

IDC 19 04:46:25.9, 10.66N, 62.32W, h95km, MD4.3
FUNV 19 04:46:26.8, 10.67N, 62.33W, h89km, MW3.9
ISC 19 04:46:24.7, 1.6, 10.63N, 0.08E, 62.39W, 0.06, h99km, 15km, n42, c1355, 62, 2C-3D, Near coast of Venezuela

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, SONM Sogingo Array, MKAR Makanchi Arr, ZALV Zalesovo Beam, KURBB Kurchatov Arra, BVAR Borovoye Array.

NOU 19 04:20:01.6, 2.137S, 169.66E, h0km, MLV3.57, Southeast of Loyalty Islands
IDC 19 04:20:09.4, 1.6, 20.99S, 168.80E, h0km, mb3.7/5, mbmp3.7/6, ML3.2/1, Error ellipse: s-maj=44.4km, s-min=27.7km, az=156.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, LIFNC LIFOU, QUENC Ouen Island, DZM Mont Dzumac, DZM Mont Dzumac.

IDC 19 04:20:10.4, 1.4, 21.3S, 0.1x169.0E, 0.1, h10km, n15, c163/16, mb3.8/5, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like ONTNC Ouen Toro, NOUC Port Laguerre, KOUNC Koumac, New Ca, CTA Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, QSPA South Pole Qui, EKA Eskdalemuir Ar, GERES GERES Array B.

IDC 19 04:28:04.3, 0.8, 21.52S, 169.50E, h0km, mb4.1/10, mbmp3.9/12, ML3.8/2, MS4.0/29, Error ellipse: s-maj=24.1km, s-min=19.6km, az=149.0
NEIC 19 04:28:09.8, 2.1, 21.54S, 0.08x169.0E, 0.05, h10km, 1km, mb4.4/10, Error ellipse: s-maj=13.8km, s-min=8.3km, az=356.0

IDC 19 04:28:08.3, 0.5, 21.45S, 0.09x169.26E, 0.07, h2km, n74, c160/51, mb4.3/15, MS4.0/28, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, LIFNC LIFOU, PINNC Pines Island, QUENC Ouen Island, DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, ONTNC Ouen Toro, KOUNC Koumac, MSFV Nonsavu, MSFV Nonsavu.

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Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like HNR Honiara, URZ Urewera, URZ Urewera, CTA Charters Tower, CTA Charters Tower, CTAO Charters Tower, CTZ Rata Peaks, TOO Toolangi, TOO Toolangi.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, BBOO Buckleboe, WRA Warramunga Arr, WRA Warramunga Arr.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like AS31 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, FORT Forrest, PPT2 Papeete2.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like GUMO Guam, GUMO Guam, BATI Baumaeta, BATI Baumaeta, NWAO Narrogin (SRO), NWAO Narrogin (SRO).

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TAOE Nuku Hiva Isla, TAOE Nuku Hiva Isla, KAPI Kappang, KAPI Kappang, VNSA Vanuatu, VNSA Vanuatu, MJAR Matsushiro Arr.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like QSPA South Pole Qui, QSPA South Pole Qui, QSPA South Pole Qui, SHEM Shemya, Ala, SHEM Shemya, Ala, MAW Mawson, MAW Mawson.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like BELA Belgrano 2, BELA Belgrano 2, MA2 Magadan, MA2 Magadan, SEY Seymchan, SEY Seymchan, TROLL Troll, Antarti, TROLL Troll, Antarti.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like SNAZ Sanae, SNAZ Sanae, SNAA Sanae, SNAA Sanae, SNAZ Sanae, SNAZ Sanae.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like VNA3 Neumayer Olym, VNA3 Neumayer Olym, VNA2 Neumayer-Watz, VNA2 Neumayer-Watz, YBH Yreka Blue Hor, YBH Yreka Blue Hor, SONM Sogingo Array.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PFO Piroyon Flats, PFO Piroyon Flats, NVAR Mina Array Bea, NVAR Mina Array Bea, NVAR Mina Array Bea, NVAR Mina Array Bea.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like LPIG La Paz, LPIG La Paz, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like ELK Elko, ELK Elko, DLBC Dease Lake, DLBC Dease Lake, NEW Newport, NEW Newport, ANMO Albuquerque, ANMO Albuquerque.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TXAR Lajitas Array, TXAR Lajitas Array, PDAR Pinedale Array, PDAR Pinedale Array, ARCES ARCES Array B, ARCES ARCES Array B, PRU Pruhonic, PRU Pruhonic.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like EKA Eskdalemuir Ar, EKA Eskdalemuir Ar, ZVC Zvizkov, ZVC Zvizkov, CONA Conrad Overseas, CONA Conrad Overseas, CKRC Cesky Krumlov, CKRC Cesky Krumlov.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like KHC Kasperke Hory, KHC Kasperke Hory, GERES GERES Array B, GERES GERES Array B, OBKA Obir, OBKA Obir, ABTA Abtafatters, ABTA Abtafatters.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like WTTA Wattenberg, WTTA Wattenberg, MOTA Motosal, MOTA Motosal, SOTA Sankt Quirin, SOTA Sankt Quirin, FETA Feichten, FETA Feichten.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like ESDC Sonseca Array, ESDC Sonseca Array, TORD Torodi Ar. Bea, TORD Torodi Ar. Bea, PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye.

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Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like MK31, MK31, SHLS Shalkode, SHLS Shalkode, SHLS Shalkode, SHLS Shalkode, MAZK Makanchi, MAZK Makanchi, MAZK Makanchi, MAZK Makanchi.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like KPKS Koptek, KPKS Koptek, KPKS Koptek, KPKS Koptek, TRN Trinidad (W), TRN Trinidad (W).

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like GRGR Grenville, GRGR Grenville, GRW Mount Saint Ca, GRW Mount Saint Ca, GRHS Sauteurs, GRHS Sauteurs, GRHS Sauteurs, GRHS Sauteurs.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like GCMF Grenada, Carri, GCMF Grenada, Carri, GCMF Grenada, Carri, GCMF Grenada, Carri, GCMF Grenada, Carri.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TACV Puerto La Cruz, TACV Puerto La Cruz, SVB Belmont, SVB Belmont, SSV Crater Summit, SSV Crater Summit, SLBI Saint Lucia, B, SLBI Saint Lucia, B.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like BBGH Saint Hill, BBGH Saint Hill, BIM Bigot, BIM Bigot, MPOM Morne Pois Mar, MPOM Morne Pois Mar, ZAM Aeronautique, ZAM Aeronautique.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like LPMF Montagne Vaual, LPMF Montagne Vaual, MVM Montagne Vaual, MVM Montagne Vaual, FDF Fort de France, FDF Fort de France, PML Morne Lered, PML Morne Lered.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like GMB Grand Be, GMB Grand Be, PCM Pelee Case Pet, PCM Pelee Case Pet, CMX Montagne Vaual, CMX Montagne Vaual, BAMF Morne Batai, BAMF Morne Batai.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like FUNV Funvisais, FUNV Funvisais, SVN Savane Anatole, SVN Savane Anatole, ILAM Ile Lapin Mar, ILAM Ile Lapin Mar, Tceta, Tceta.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like CAICARA DEL OR, CAICARA DEL OR, CACV CACV, CACV CACV, BENV Beln, BENV Beln, TDBA Terre de Bas, TDBA Terre de Bas.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TURV Turiamo, TURV Turiamo, MAGL Barre de l'ile, MAGL Barre de l'ile, CBE Ft. Capester, CBE Ft. Capester, GBAUV El Baul, GBAUV El Baul.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like BAUV El Baul, BAUV El Baul, BAUV El Baul, BAUV El Baul, ABD La Joyeuse, An, ABD La Joyeuse, An, MLTY Lee's Yard, MLTY Lee's Yard.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like MBFL Montagne Vaual, MBFL Montagne Vaual, ANBD Betsada, Anti, ANBD Betsada, Anti, TEPV Terepaima, TEPV Terepaima, TEPV Terepaima, TEPV Terepaima.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like CURV Curariga, CURV Curariga, SOCV Socopus, SOCV Socopus, IDC 19 04:50:07.4, 3.1, 2.07N, 128.36E, h0km, mb3.2/3, mbmp3.3/3, Error ellipse: s-maj=239.5km, s-min=29.4km, az=68.0, Halmahera.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Arry, MKAR Makanchi Arry.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like IDC 19 04:50:16.3, 6.5, 7.07S, 147.43E, h79km, 45km, mb3.2/2, mbmp3.5/5, ML3.4/2, MS3.8/1, Error ellipse: s-maj=63.8km, s-min=43.3km, az=107.0, Eastern New Guinea region.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, HNR Honiara, HNR Honiara, CTA Charters Tower, CTA Charters Tower.

Table with columns: Station Name, Frequency, Band, Mode, Azimuth, Elevation, SNR, and other parameters. Includes stations like ELL Elmali, ALFC Alefka, NATA Nata, etc.

Table with columns: Station Name, Frequency, Band, Mode, Azimuth, Elevation, SNR, and other parameters. Includes stations like YVAC comp=E,45nm,0.4s, KONT Konya-Tatoy, ZKR Zakros, etc.

Table with columns: Station Name, Frequency, Band, Mode, Azimuth, Elevation, SNR, and other parameters. Includes stations like ESDC Sonca Array, ARU ATU, BVAR Borovoye Array, etc.

19d 6h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations like USRK, KLR, SONM, ZALV, etc.

GUC 19 05:57:53.5±0.7, 34°31'S, 72°23'W, h37km, 2km, ML3.6, 2C-8D, Near coast of central Chile

Main table for GUC station group, listing station names, frequencies, powers, and other parameters for stations like BO03, BO05, VA05, etc.

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Table for 2017 NOV station group, listing station names, frequencies, powers, and other parameters for stations like GTBY, PAPH, PAPH, etc.

IDC 19 05:59:09.3±0.3, 16°65'S, 175°32'W, h386km, 4.4km, mb3.1/3, mbmp3.8/4, Error ellipse: s-maj=246.6km

Main table for IDC station group, listing station names, frequencies, powers, and other parameters for stations like Code, Station Name, Frequency, etc.

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AZER 19 06:19:58.7±0.3, 35°47'N, 46°24'E, h54km, 25km, Error ellipse: s-maj=2.9km, s-min=2.6km, az=23.0

Main table for AZER station group, listing station names, frequencies, powers, and other parameters for stations like Code, Station Name, Frequency, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for Mina Guanaco, Punta Patache, Diego Aracena, etc.

IDC 19 07:37:45.1±10.0, 16.82N:104.78W, h0km, mb3.4/3, mbmp3.5/5, ML3.4/2, MS3.2/13, Error ellipse: s-maj=227.3km s-min=80.4km az=121.0, Off coast of Michoacan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for SOCORRO T-PHAS, Lajitas Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for San Ignacio, Eielson Array, Papeete.

IDC 19 07:50:21.6±0.8, 34.89N:99.55E, h0km, mb3.8/10, mbmp3.9/12, ML3.9/2, MS3.4/23, Error ellipse: s-maj=27.8km s-min=16.5km az=52.0

ISC 19 07:50:23.3±1.0, 34.9N:0.1±99.5E, h10km, n30, o=090/12, mb3.9/10, MS3.4/21, QINGSHAI

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for Songoing Array, Baridhaha, Makanchi Array, etc.

IDC 19 07:53:23.6±6.6, 36.71N:70.93E, h76km, 33km, 63/4, mbmp3.9/7, Error ellipse: s-maj=79.8km s-min=19.6km az=152.0

MNC 19 07:53:25.1±3.5, 36.96N:71.20E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=32.1km s-min=25.2km az=117.0

ISC 19 07:53:24.5±2.0, 36.7N:0.2±71.0E, h10km, n17, o=128/23, mb4.0/4, 5C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for Almayashu, Uchto, Erkin-Say, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for Almayashu, Karatay Array, Chumysh, etc.

TUL 19 08:12:50.9±0.4, 35.670N:0.008-97.39W, h0.01, h5km, 1km, ML3.6, mb, Lg3.7/135(NEIC), ML3.8/40(NEIC), Mw3.6/43(NEIC), Error ellipse: s-maj=1.4km s-min=0.8km az=45.0

ANF 19 08:12:50.9±0.4, 35.69N:97.36W, h5km, ML4.6/8, Error ellipse: s-maj=4.9km s-min=3.9km az=4.0

NEIC 19 08:12:50.7±0.4, 35.671N:0.009-97.40W, h0.01, h5km, 1km, Moment Tensor Solution, Moment tensor: Scale 1014Nm; M=0.67; Mw=0.9; Ms=0.29; Me=0.55; Mh=2.90; Mw=0.37; Fault plane solution: M=3.09000x10^14 NPT; phi=276.41000; s84.74000; n-0.81000; NP2phi=185.67000; delta2.02000; lambda.174.69000; Principal axes: T.3.4109; Plg9.0000; Azm141.0000; N-0.7832; Plg80.0000; Azm309.0000; P-2.6277; Plg2.0000; Azm51.0000; ISC 19 08:12:50.7±0.8, 35.68N:0.02-97.39W, h0.03, h8km, 5km, n167, o=093/144, Oklahoma

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for Arcadia Dam, Liberty Lake, Okaloosa City, etc.

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, and other parameters. Includes stations like ZALV, SONM, ESDC, K17K, N14K, O14K, F26K, N16K, M17K, K20K, H24K, C36M, G26K, SSPA, I23K, CHUM, H25L, F28M, L19K, DWPF, BPAW, M18K, N17K, INK, CAST, L20K, O16K, G27K, M19K, COLA, F30M, PRP, N18K, O17K, ILAR, TRF, H27K, G29M, M20K, F31M, MCK, HDA, G30M, N19K, P17K, MCWV, J25K, O18K, I27K, G31M, SKT, H29M, O19K, CUT, EPYK, N20K, WAT1, I28M, KMSC, K24K, J26L, Q17K, DHY, R17K, SUA, M22K, Q18K, EGAK, SCRK, I29M, WAT6, OMR, P33R, PAX, K27K, SML, RC01, I30M, M23K, KNK, P52M, P52A.

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, and other parameters. Includes stations like M24K, L26K, HARP, DAWY, BRSE, Q20K, GOGA, J30M, PWL, SEW, L27K, SII, KLU, ACSO, M26K, K29M, N25K, M27K, BVCY, L29M, EYAK, MCARA, M29M, M30M, CRQE, CTG, BGLC, YUKB, BRAL, YUK4, O28M, FARO, N31M, YKA, YKA, PINM, HYT, Q30N, PNL, N32M, L44N, P33M, SKAG, EYMN, JFWS, KOTAN, R33M, R32K, DLBC, S32K, SIT, S34M, MIAR, CRAG, V35K, ECSD, TUL3, IRM, TPNV, BC3, GMRC, IKP, MONP2, TPPO, PFO, MPMC, BBRC, CWC, BFSC, ISA.

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, and other parameters. Includes stations like FNO, FNO, FNO, FNO, OK033, OK033, OK030, OK030, OK052, OK052, QUOK, QUOK, QUOK, DEOK, DEOK, DEOK, OK048, OK048, OK051, CROK, CROK, CROK, CSTR, BLOK, GC02, OK032, OK032, TUL3, TUL3, TUL3, KAN13, OK038, KAN14, KAN17, T35A, T35B, T35B, KAN09, WMOK, WMOK, KAN05, U32A, U32A, U32A, KAN01, KAN10, NOKA, KAN06, KAN08, KS21, KAN12, ELIS, LOOK, X37A, X37A, RLO, WFTS, Z35A, Z35A, SMWD, SMWD, U38A, U38A, FW03, HHAR, PLPT, FW16, APMT, FW14, FW13, MIAR, MIAR, KSU1, KSU1, DKNS, AMTX, CBKS, CBKS, CBKS, WHXY, S39A, Z37A, SN01, WLAR, WHAR, WHAR, UALR, UALR, POST, FCAR, MGMO, RTBA, BRDY, MSTX, R40A, SGCV, SGCV, N33A, LCAR, KSCO, CCTM, JCTM, J43A.

ANF 19 08:20:31.4i.0.7,35i.69N:97.42W,h5km,ML3.6/9, Error ellipse: s-maj=0.0km s-min=6.0km az=178.0
TUL 19 08:20:31.5i.0.4,35i.670N:0.006:97.39W:0.01,h6km,2km, ML3.0,mb, Lq2.978(NEIC),ML3.240(NEIC), Error ellipse: s-maj=1.4km s-min=0.6km az=56.0
NEIC 19 08:20:31.3i.0.5,35i.664N:0.009:97.39W:0.01,h5km,1km, Error ellipse: s-maj=2.2km s-min=1.6km az=94.0
ISC 19 08:20:31.6i.0.9,35i.688N:0.002:97.40W:0.02,h8km,6km, n97, d0568/73, Oklahoma

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like MARE, PINNAC, LIFOU, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like KASTN, MOA, GRF, SOKA, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like EFGSA, CAMU, BANY, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like DAT, ORL, UKOP, DENIZLI, TAVTA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PLD, PZR, Zakros, Kastellorizon, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like OBN, FINES, ESDC, NB2, NOA, GEYT, AKTO, MVO, POLO, PESTR, etc.

Table with columns: DZM, 431µm, 1.2s, eSn, Sn, 09 26 48.5 -2.2, etc. Lists various astronomical observations with parameters like frequency, duration, and coordinates.

Table with columns: NIUE, Niue, 20.14 87, P, 09 30 20.3 -1.0, etc. Lists astronomical observations from Niue with parameters like frequency, duration, and coordinates.

Table with columns: TOO, Toolangi, 25.64 227, P, 09 31 18.1 +1.3, etc. Lists astronomical observations from Toolangi with parameters like frequency, duration, and coordinates.

19d 9h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like FAKI, XMAS, WAKE, MEH, BNDI, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like SRBI, KHU, KHLU, KIP, KIP, KIP, etc.

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

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Table with columns for flight codes (e.g., KSAR, QIZ, NJ2), destinations (e.g., Wonju Array Be, Qiongzong, Nanjing), times, and status indicators (P, S, M, etc.).

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Table with columns for flight codes (e.g., DL2, PET, ATKA), destinations (e.g., comp=Z,3um,17.7s, Atka Island, Mudanjiang), times, and status indicators (LR, P, S, etc.).

19d 9h

Table with columns for flight codes (e.g., KLR, AIS, UNV), destinations (e.g., Kul'dur, Amsterdam Isla, Unalaska Valle), times, and status indicators (P, M, S, etc.).

19d 9h

MA2	comp=Z,211nm,2.5s	MLR	MLR				
MA2	comp=Z,4um,19.0s Magadan 82.22 351 P P			09 38 07.7	0.0		
MA2	comp=Z,35nm,1.0s,baz=150,slow=4.8,SNR=4.0	LR	LR	10 11 10.1			
CHGN	comp=Z,2um,19.5s,baz=158,slow=33						
CHGN	Chignik 82.42 18 P P	Iamb	Iamb	09 38 09.8	+1.1		
CHGN	comp=Z,154nm,1.0s			09 39 16.8			
TNCH	baz=211						
TNCH	TengChong 82.45 301 P P			09 38 10.9	+1.0		
TNCH		pP	pP	09 38 14.0	-1.1		
TNCH		S	S	09 48 26.1	+0.2		
TNCH		SS	SS	09 53 50.3	+2.7		
TNCH	comp=Z,110nm,0.5s						
TNCH	comp=Z,3um,9.3s						
TNCH	comp=Z,1um,14.2s	LR	LR				
TNCH	comp=Z,2um,14.1s	LR	LR				
TNCH	comp=Z,3um,26.2s	LR	LR				
BTO	Baotou 82.51 319 eP P	pP	pP	09 38 11.3	+1.5		
BTO		pP	pP	09 38 16.3	+0.8		
BTO		sP	pwP	09 38 18.3	+0.3		
BTO		PP	PP	09 41 23.3	+3.8		
BTO		S	SKSac	09 48 30.0	0.0		
BTO		sS	SS	09 48 37.6	+3.0		
BTO	comp=Z,89nm,2.3s						
BTO	comp=Z,8um,8.8s						
BTO	comp=Z,7um,17.5s	LR	LR				
BTO	comp=Z,5um,22.9s	LR	LR				
BTO	comp=Z,10um,24.5s	LR	LR				
CHIR	Chirikof Islan 82.83 19 IAMS_20 IAMS_20			10 08 20.6			
CHIR	Chirikof Islan 82.83 19 P P			09 38 09.5	-1.4		
HIA	Hailar 82.92 330 P P			09 38 11.9	+0.3		
MND	Mandalay 83.05 297 P P			09 38 13.9	+1.1		
ZEA	Zeya 83.14 337 eP S			09 38 13.3	+0.7		
ZEA		eS	SKSac	09 48 35.9	+2.6		
ZEA	comp=E,40nm,1.3s						
ZEA	comp=N,100nm,1.2s						
ZEA	comp=Z,120nm,1.5s						
ZEA	comp=Z,3um,8.4s						
ZEA	comp=N,1um,6.7s						
R16K	comp=E,3um,8.7s Pilot Point 83.74 17 P P			09 38 13.2	-2.3		
ELIB	Princess Elisa 83.75 190 dP P			09 38 15.4	-0.4		
ELIB	ELIB 83.89 20 IAMS_20 IAMS_20			09 48 36.9	-0.6		
ELIB	SII 83.89 20 IAMS_20 IAMS_20			09 49 26.7	-0.8		
SII	Sitkinak Islan 83.89 20 IAMS_20 IAMS_20			10 08 41.7			
SII	Sitkinak Islan 83.89 20 P P			09 38 14.8	-1.6		
LZH	Lanzhou 83.98 312 P P			09 38 18.6	+1.0		
LZH		pP	pP	09 38 23.9	+0.6		
LZH		sP	pwP	09 38 29.4	+3.5		
LZH		SKS	SKSac	09 48 33.6	-6.4		
LZH		S	SKKSac	09 48 44.5	-0.6		
LZH	comp=Z,120nm,1.8s						
LZH	comp=Z,5um,8.3s						
LZH	comp=Z,3um,17.2s	LR	LR				
LZH	comp=Z,2um,17.6s	LR	LR				
R17K	comp=Z,4um,19.2s Ugashik Creek 84.14 18 IAMS_20 IAMS_20			10 10 46.7			
R17K	Ugashik Creek 84.14 18 P P			09 38 16.2	-1.4		
M11K	Mekoryuk 84.20 12 P P			09 38 16.4	-1.4		
O14K	Tiguykaiwet M 84.25 15 IAMS_20 IAMS_20			10 08 18.9			
O14K	Tiguykaiwet M 84.25 15 P P			09 38 16.6	-1.6		
O15K	Unalaliki R 84.54 16 P P			09 38 18.6	-1.0		
R18K	Karluk 84.65 19 P P			09 38 18.7	-1.5		
N14K	Kuskokwak Cree 84.75 14 P P			09 38 18.9	-1.7		
Q17K	Contact Creek 84.81 18 P P			09 38 19.6	-1.5		
M13K	Dall Lake 84.81 13 IAMS_20 IAMS_20			10 08 30.4			
M13K	Dall Lake 84.81 13 P P			09 38 18.9	-2.0		
PMSA	Palmer Station 84.85 160 P LR			09 38 21.6	+0.3		
PMSA	Palmer Station 84.85 160 LR LR			10 10 10.2			
P16K	Nushagak River 84.89 17 P P			09 38 19.7	-1.6		
Q16K	King Salmon 84.94 17 P P			09 38 19.8	-1.8		
SEY	Seymchan 85.24 353 dI P P			09 38 23.4	+0.4		
SEY	comp=Z,201nm,1.6s						
SEY	Seymchan 85.24 353 P P			09 38 22.8	-0.2		
SEY	comp=Z,43nm,1.0s,baz=151,slow=4.9,SNR=2.0	LR	LR	10 11 13.5			
N15K	comp=Z,6um,21.1s,baz=157,slow=32						
N15K	Kwethluk River 85.34 15 IAMS_20 IAMS_20			10 08 29.9			
N15K	Kwethluk River 85.34 15 P P			09 38 22.0	-1.6		
O16K	Kokwok River B 85.34 16 IAMS_20 IAMS_20			10 10 26.5			
O16K	Kokwok River B 85.34 16 P P			09 38 21.3	-2.3		
Q18K	Katmai Hardscr 85.39 18 P P			09 38 22.3	-1.7		
KDAK	Kodiak Island 85.40 20 P P			09 38 24.2	+0.3		
KDAK	Kodiak Island 85.40 20 IAMS_20 IAMS_20			10 10 39.5			
KDAK	Kodiak Island 85.40 20 P P			09 38 23.1	-0.8		
KDAK	Kodiak Island 85.40 20 dI P P			09 38 23.6	-0.3		
KDAK	comp=Z,154nm,1.6s						
M14K	Bethel 85.42 14 P P	MLR	MLR	09 38 23.8	-0.2		
M14K	comp=Z,7um,18.0s			09 38 30.0			
M14K	comp=Z,78nm,0.9s						
M14K	comp=Z,8um,20.0s						
M14K	Bethel 85.42 14 P P			09 38 22.4	-1.6		
P17K	Kvichak River 85.44 17 P P			09 38 22.7	-1.4		
M15K	Kasigluk River 85.67 15 P P			09 38 24.1	-1.0		
O17K	Koliganek Bris 85.76 17 P P			09 38 24.2	-1.4		
L14K	Kuka Creek 85.79 13 IAMS_20 IAMS_20			10 08 36.5			
L14K	Kuka Creek 85.79 13 P P			09 38 25.0	-0.8		
SAIH	SAIH 85.86 296 P P			09 38 27.1	-0.2		
SAIH	comp=Z,169nm,1.0s						
N16K	Nishlik Lake 85.93 15 P P			09 38 26.2	-0.4		

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P18K	Big Mountain, 85.94 18 P P	Iamb	Iamb	09 38 26.4	-0.3		
P18K	comp=Z,102nm,0.8s			09 38 33.2			
P18K	Big Mountain, 85.94 18 P P			09 38 25.4	-1.3		
Q19K	Cape Douglas, 86.02 18 IAMS_20 IAMS_20			10 12 05.8			
Q19K	Cape Douglas, 86.02 18 P P			09 38 25.4	-1.6		
IMP	Shuyak Island 86.07 298 P P			09 38 27.6	-0.6		
Q20K	Shuyak Island 86.13 19 P P			09 38 26.3	-1.2		
SYI	Shuyak Island 86.13 19 IAMS_20 IAMS_20			10 10 29.5			
TROLL	Troll, Antarti 86.16 184 P P			09 38 27.5	-0.4		
MOKO	MOKOCHONG 86.26 300 P P			09 38 28.4	-0.8		
KOHI	KOHI 86.32 299 P P			09 38 28.2	-1.3		
O18K	Koktuh Hills 86.34 17 P P			09 38 26.3	-2.3		
L15K	Ungalak Mounta 86.36 14 P P			09 38 27.1	-1.5		
M16K	Timber Creek 86.36 15 IAMS_20 IAMS_20			10 09 22.9			
M16K	Timber Creek 86.36 15 P P			09 38 28.0	-0.7		
N17K	Nushagak Hills 86.38 16 IAMS_20 IAMS_20			10 11 07.9			
N17K	Nushagak Hills 86.38 16 P P			09 38 27.3	-1.4		
GAMB	Gambell 86.46 9 P P			09 38 27.4	-1.6		
NVL	Nvlazrevskaya 86.47 187 eS			09 38 26.1	-3.2		
NVL	comp=Z,93nm,0.9s			09 48 50.2	-4.3		
NVL	comp=E,3um,11.0s						
NVL	comp=Z,14um,18.0s						
JORH	JORHAT 86.65 300 eP P			09 38 31.0	+0.1		
P19K	Oil Pt 86.73 18 IAMS_20 IAMS_20			10 12 28.7			
P19K	Oil Pt 86.73 18 P P			09 38 29.8	-0.7		
SNA	Sanae 86.79 183 P P			09 38 29.9	-1.1		
SNA	comp=Z,9um,19.0s			10 17 08.8			
SNA	Sanae 86.79 183 P P			09 38 30.4	-0.6		
SNA	Sanae 86.79 183 dI P P			09 38 29.0	-2.0		
SNA	comp=Z,139nm,1.0s						
SNA	Sanae 86.79 183 P P	MLR	MLR	09 38 30.2	-0.7		
SNA	comp=Z,101nm,0.9s,baz=177,slow=4.4,SNR=143	LR	LR	10 15 21.0			
L16K	Owhat River 86.84 15 P P			09 38 31.8	+0.9		
L16K	comp=Z,3um,18.2s,baz=176,slow=34						
L16K	Owhat River 86.84 15 P P			10 10 12.4			
N18K	Kilae Creek 86.85 17 IAMS_20 IAMS_20			10 11 10.8			
N18K	Kilae Creek 86.85 17 P P			09 38 30.1	-1.0		
O19K	Port Aisworth 86.87 17 P P			09 38 30.7	-0.4		
O19K	comp=Z,93nm,1.2s			09 38 33.8			
O19K	Port Aisworth 86.87 17 P P			09 38 29.9	-1.2		
J14K	Nanvaranak Lak 86.88 12 IAMS_20 IAMS_20			10 10 28.5			
J14K	Nanvaranak Lak 86.88 12 P P			09 38 30.9	-0.2		
K15K	Wolf Creek Mou 86.89 13 IAMS_20 IAMS_20			10 10 50.3			
K15K	Wolf Creek Mou 86.89 13 P P			09 38 31.0	-0.2		
ILSW	Iliamna Southw 87.03 18 IAMS_20 IAMS_20			10 13 15.6			
M17K	Holitna River 87.06 16 IAMS_20 IAMS_20			10 11 21.0			
M17K	Holitna River 87.06 16 P P			09 38 31.8	-0.3		
HOM	Homer 87.21 19 IAMS_20 IAMS_20			10 11 34.2			
HOM	Homer 87.21 19 P P			09 38 31.3	-1.5		
CNPM	China Poot 87.22 19 P P			09 38 32.9	0.0		
CNPM	comp=Z,97nm,1.3s			09 38 59.8			
CNPM	comp=Z,9um,21.0s			10 11 13.8			
ITAN	ITANAGAR 87.25 300 P P			09 38 34.2	+0.4		
O20K	Slope Mountain 87.26 18 P P			09 38 31.9	-1.2		
SVW2	Sparrevohn 87.28 16 P P			09 38 34.4	+1.2		
SVW2	comp=Z,118nm,1.7s			09 38 50.0			
SVW2	comp=Z,7um,20.0s			10 11 25.1			
SVW2	Sparrevohn 87.28 16 P P			09 38 35.6	+2.4		
N19K	Bonanza Creek 87.34 17 P P			09 38 31.9	-1.7		
MCCM	Marconi Conter 87.39 47 IAMS_20 IAMS_20			10 09 13.9			
VNA3	Neumayer Olymp 87.40 181 P P			09 38 33.2	-0.7		
SNCC	San Nicolas Is 87.42 53 IAMS_20 IAMS_20			1			

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YAK	comp=N,52nm,1.3s			pmax	pmax				
YAK	comp=Z,640nm,3.3s			pmax	pmax				
YAK	comp=E,300nm,3.1s			pmax	pmax				
YAK	comp=N,343nm,3.3s			pmax	pmax				
YAK	comp=N,11um,7.3s			smax	smax				
YAK	comp=E,474nm,3.7s			MLR	MLR				
YAK	comp=Z,3um,17.0s			MLR	MLR				
YAK	comp=N,3um,20.0s			MLR	MLR				
YAK	Yakutsk	88.98	343	P	LR	LR	09 38 40.4	-0.8	
J18K	comp=E,78nm,18.0s,baz=141,slow=37	89.01	15	IAMS_20	IAMS_20		10 13 44.3		
J18K	Innoko River	89.01	15	P			09 38 39.7	-1.6	
ORV	Oroville	89.03	46	P	Iamb	Iamb	09 38 42.0	0.0	
ORV	comp=Z,180nm,1.8s			IAMS_20	IAMS_20		10 11 25.1		
ORV	Oroville	89.03	46	P	pmax	pmax	09 38 42.0	0.0	
CMB	comp=Z,180nm,1.8s	89.06	48	IAMS_20	IAMS_20		10 10 09.0		
109C	Camp Elliot, M	89.07	54	IAMS_20	IAMS_20		10 10 36.6		
109C	Camp Elliot, M	89.07	54	P			09 38 41.1	-1.2	
AFDM	Forest Hills D	89.09	47	IAMS_20	IAMS_20		10 10 27.9		
SKT	Skwerina	89.11	18	P			09 38 39.0	-2.9	
ELNS	Elinsour Mount	89.16	53	IAMS_20	IAMS_20		10 09 07.2		
K02D	Williamette Mer	89.17	43	P			09 38 42.2	-0.5	
PWL	Port Wells	89.17	19	P			09 38 39.6	-2.5	
BF5C	Mount Baldy Ra	89.26	53	P			09 38 42.3	-1.1	
YBH	Yreka Blue Hor	89.30	44	P	Iamb	Iamb	09 38 43.9	+0.6	
YBH	comp=Z,103nm,1.4s			IAMS_20	IAMS_20		10 09 34.2		
YBH	Yreka Blue Hor	89.30	44	P	pmax	pmax	09 38 43.9	+0.6	
YBH	comp=Z,103nm,1.4s			LR	LR		10 10 48.3		
EDW2	Edwards Air Fo	89.30	52	P			09 38 43.1	-0.3	
BAR	Barrett	89.30	54	P			09 38 43.5	+0.1	
BAR	comp=Z,9um,20.0s			IAMS_20	IAMS_20		10 12 18.8		
TKX	Tecate	89.30	55	IAMS_20	IAMS_20		10 12 18.8		
ISA	Isabella, Lake	89.31	51	P	Iamb	Iamb	09 38 43.6	+0.1	
ISA	comp=Z,163nm,1.4s			IAMS_20	IAMS_20		10 12 43.8		
ISA	Isabella, Lake	89.31	51	P			09 38 43.3	-0.2	
ISA	Isabella, Lake	89.31	51	P	pmax	pmax	09 38 43.6	+0.1	
MURC	Murrieta	89.32	53	P			09 38 43.2	-0.3	
M22K	Willow	89.34	18	IAMS_20	IAMS_20		10 12 24.6		
M22K	Willow	89.34	18	P			09 38 41.1	-1.7	
F15K	North Star Dit	89.37	11	IAMS_20	IAMS_20		10 11 32.6		
F15K	North Star Dit	89.37	11	P			09 38 42.2	-0.8	
BILL	Bilibino	89.40	359	P	Iamb	Iamb	09 38 42.7	-0.3	
BILL	comp=Z,118nm,1.0s			IAMS_20	IAMS_20		10 10 10.3		
BILL	Hinchinbrook I	89.40	20	IAMS_20	IAMS_20		10 10 10.3		
CCAC	Calif City Air	89.41	52	IAMS_20	IAMS_20		10 11 10.5		
VTX	Valle De La Tr	89.42	56	IAMS_20	IAMS_20		10 09 10.3		
G16K	Koyuk River	89.50	12	IAMS_20	IAMS_20		10 12 20.1		
G16K	Koyuk River	89.50	12	P			09 38 42.3	-1.3	
PMR	Palmer	89.50	19	IAMS_20	IAMS_20		10 13 28.9		
PMR	Palmer	89.50	19	P			09 38 45.0	+1.4	
PMR	Palmer	89.50	19	P			09 38 42.5	-1.2	
ESJX	Sierra Juarez	89.56	55	IAMS_20	IAMS_20		10 10 51.6		
K20K	Telida	89.56	16	IAMS_20	IAMS_20		10 12 56.5		
K20K	Telida	89.56	16	P			09 38 42.7	-1.2	
KNK	Knik Glacier	89.56	19	P			09 38 42.3	-1.7	
H17K	Granite Mounta	89.57	13	IAMS_20	IAMS_20		10 13 26.1		
H17K	Granite Mounta	89.57	13	P			09 38 41.8	-2.1	
GLI	Glacier Island	89.58	20	P			09 38 41.5	-2.5	
MONP2	Monument Peak	89.58	54	P			09 38 44.5	-0.6	
DBO	Dodson Butte	89.65	43	P			09 38 45.4	+0.5	
PGLA	Perkeypie	89.68	17	P			09 38 41.8	-2.9	
GHO	Glory Hole Cre	89.70	19	IAMS_20	IAMS_20		10 13 34.3		
IKP	In-Ko-Pah, Jac	89.72	55	P			09 38 45.4	-0.1	
J19K	Poorman	89.72	15	IAMS_20	IAMS_20		10 10 54.0		
J19K	Poorman	89.72	15	P			09 38 43.4	-1.2	
RMX	La Rumorosa	89.72	55	IAMS_20	IAMS_20		10 10 57.3		
KAIM	Kayak Island	89.74	22	P			09 38 43.2	-1.6	
EYAK	Cordova Ski Ar	89.76	21	P			09 38 43.5	-1.3	
LRMC	Laurel Mtn Rad	89.80	52	P			09 38 45.1	-0.7	
DHUB	DHUBRI	89.81	298	iP			09 38 53.2	+7.3	
DHUB	Chulitna	89.81	18	IAMS_20	IAMS_20		10 12 43.2		
CUT	Chulitna	89.81	18	P			09 38 43.5	-1.6	
BBRO	Big Bear Solar	89.81	53	P			09 38 45.7	-0.5	
YUH	Yuha Desert	89.86	55	IAMS_20	IAMS_20		10 10 41.5		
PFO	Pinyon Flats O	89.87	54	IAMS_20	IAMS_20		10 11 49.0		
PFO	Pinyon Flats O	89.87	54	P			09 38 46.0	-0.2	
PFO	Pinyon Flats O	89.87	54	dIP	pmax	pmax	09 38 46.4	+0.1	
PFO	comp=Z,84nm,1.1s			MLR	MLR				
PFO	Pinyon Flats O	89.87	54	P			09 38 46.2	-0.1	
PFO	comp=Z,16nm,1.0s,baz=258,slow=4.5,SNR=1.4			LR	LR		10 12 01.7		
TPFO	comp=Z,7um,19.7s,baz=272,slow=31	89.87	54	P			09 38 46.0	-0.2	
TPFO	Pinyon Flats	89.87	54	P			09 38 46.0	-0.2	
SML	Sawmill	89.91	19	IAMS_20	IAMS_20		10 13 31.7		

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SML	Sawmill	89.91	19	P			09 38 42.6	-3.0	
G17K	Kiwalik Mounta	89.92	12	P			09 38 44.4	-1.2	
CWC	Cottonwood Cre	89.94	51	P			09 38 44.5	-2.1	
PM D	Palm Desert	89.95	54	IAMS_20	IAMS_20		10 09 30.9		
MLAC	Mammoth, Mammo	89.95	49	P			09 38 47.1	+0.4	
SFX	San Felipe	89.99	57	IAMS_20	IAMS_20		10 10 52.1		
RAGM	Ragged Mountai	90.00	21	IAMS_20	IAMS_20		10 17 30.1		
RRX	Edison Barstow	90.03	52	P			09 38 46.4	-0.4	
GCSA	Galena City Sc	90.06	14	P			09 38 46.3	+0.1	
SUCK	Suckling Hills	90.07	22	IAMS_20	IAMS_20		10 20 08.1		
SWSC	Sam W. Stewart	90.08	54	P			09 38 46.7	-0.3	
M23K	Glacier View	90.08	19	P			09 38 44.4	-2.0	
H18K	Honhosa River	90.09	13	IAMS_20	IAMS_20		10 14 11.2		
H18K	Honhosa River	90.09	13	P			09 38 45.3	-1.0	
HMT	Hamilton	90.10	21	IAMS_20	IAMS_20		10 17 14.8		
TIN	Tinemaha, Big	90.12	50	P			09 38 47.1	-0.2	
CAST	Castle Rocks	90.13	17	P			09 38 44.9	-1.7	
MPMC	Manual Prospect	90.20	51	P			09 38 47.1	-0.7	
UABX	UABC, Campus I	90.22	55	IAMS_20	IAMS_20		10 10 53.0		
J20K	Nowinta River	90.23	15	IAMS_20	IAMS_20		10 13 28.5		
J20K	Nowinta River	90.23	15	P			09 38 46.0	-1.0	
CPBX	Cerro Prieto	90.23	55	IAMS_20	IAMS_20		10 11 51.4		
SCM	Sheep Creek Mo	90.23	19	P			09 38 45.5	-1.7	
BGLC	Bering Glacier	90.27	22	P			09 38 45.6	-1.6	
GUVIX	Guadalupe Vict	90.35	55	IAMS_20	IAMS_20		10 11 42.7		
COR	Corvallis	90.36	41	IAMS_20	IAMS_20		10 10 00.1		
K04D	Chiloquin, OR	90.36	44	IAMS_20	IAMS_20		10 12 11.2		
GSCD	Goldstone, Bar	90.36	52	IAMS_20	IAMS_20		10 11 39.7		
GSC	Goldstone, Bar	90.36	52	P			09 38 48.1	-0.4	
BELO	Belle Mtn, Jos	90.39	53	P			09 38 48.4	-0.3	
LSA	Lhasa	90.39	302	P	pmax	pmax	09 38 49.3	+0.1	
LSA	comp=Z,33nm,1.6s			LR	LR				
LSA	comp=Z,2um,23.5s			LR	LR				
LSA	comp=Z,2um,20.6s			LR	LR				
LSA	comp=Z,3um,24.9s			LR	LR				
LSA	Lhasa	90.39	302	P			09 38 49.5	+0.3	
HEBO	Mount Hebo	90.40	41	IAMS_20	IAMS_20		10 13 18.2		
GOMU	GeErllu	90.41	309	P	pP	pP	09 38 50.3	+1.3	
GOMU	comp=Z,26nm,1.7s			sp	sp		09 38 53.9	-0.8	
GOMU	comp=Z,2um,20.5s			pWp	pWp		09 38 58.9	+1.6	
GOMU	comp=Z,2um,20.4s			pmax	pmax				
GOMU	comp=Z,5um,20.9s			LR	LR				
KLU	Klutina	90.41	20	P			09 38 46.7	-1.4	
CHUM	Lake Mlncumin	90.45	16	P			09 38 46.8	-1.2	
BMRM	Bremner River	90.45	21	P			09 38 46.0	-2.2	
SNH	Sunshine Point	90.47	22	IAMS_20	IAMS_20		10 19 37.8		
HEC	Hector Ludlow	90.50	53	P			09 38 48.4	-0.7	
KTH	Kantishna Hill	90.55	17	IAMS_20	IAMS_20		10 15 42.5		
TRF	Thorofore Moun	90.64	17	IAMS_20	IAMS_20		10 12 50.9		
TRF	Thorofore Moun	90.64	17	P			09 38 47.7	-1.5	
WAT1	Susitna Watana	90.64	18	P			09 38 47.1	-1.9	
F17K	Baldwin Pennin	90.64	12	IAMS_20	IAMS_20		10 12 33.3		
F17K	Baldwin Pennin	90.64	12	P			09 38 4		

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CCB	Clear Creek Bu	92.26	17	IAMS_20	IAMS_20	10 14 01.3
F20K	Avaraaf Lake	92.27	13	IAMS_20	IAMS_20	10 13 58.0
F20K	Avaraaf Lake	92.27	13	P	P	09 38 54.9 -1.5
WVOR	Wild Horse Val	92.30	45	IAMS_20	IAMS_20	10 11 46.4
E19K	Redstone River	92.31	12	IAMS_20	IAMS_20	10 13 48.4
E19K	Redstone River	92.31	12	P	P	09 38 54.5 -2.1
H22K	Ishaltina Cre	92.31	15	P	P	09 38 54.5 -2.2
G21K	Allakaket	92.32	14	IAMS_20	IAMS_20	10 12 49.7
G21K	Allakaket	92.32	14	P	P	09 38 55.4 -1.3
HDA	Harding Lake	92.32	18	IAMS_20	IAMS_20	10 19 22.9
HDA	Harding Lake	92.32	18	P	P	09 38 55.3 -1.4
YU6K	Steele Glacier	92.33	22	P	P	09 38 56.0 -1.1
G06A	Carlson Farm,	92.33	42	IAMS_20	IAMS_20	10 11 37.1
RON	Longrine	92.34	40	IAMS_20	IAMS_20	10 13 50.4
L32K	Eaglecrest	92.35	26	P	P	09 38 56.1 -0.8
M27K	Edge Creek, AK	92.36	21	P	P	09 38 55.8 -1.3
BOK	Bokaro	92.36	295	I/P	I/P	09 38 57.9 0.0
BOK	Bokaro	92.36	295	Iamb	Iamb	09 39 04.8
L26K	Log Cabin Wild	92.36	20	IAMS_20	IAMS_20	10 14 44.4
L26K	Log Cabin Wild	92.36	20	P	P	09 38 55.6 -1.4
JIS	Juneau Island	92.40	26	P	P	09 38 57.5 +0.3
COLA	College	92.42	17	IAMS_20	IAMS_20	10 13 55.6
COLA	College	92.42	17	P	P	09 38 58.9 +1.8
COLA	College	92.42	17	P	P	09 38 54.2 -2.9
COLA	College	92.42	17	P	P	09 38 55.9 -1.2
IRK	Irkutsk	92.42	326	eP	eP	09 38 56.4 -1.1
IRK	Irkutsk	92.42	326	e	e	09 42 42.8
YU3K	Moose Creek	92.42	22	P	P	09 38 56.0 -1.5
W13A	Hualapai Mount	92.43	53	IAMS_20	IAMS_20	10 15 58.5
D05A	Enumclaw	92.45	40	IAMS_20	IAMS_20	10 14 01.2
P30M	Million Dollar	92.57	24	P	P	09 38 56.5 -1.6
R11B	Troy Canyon, C	92.57	50	IAMS_20	IAMS_20	10 10 58.0
R11B	Troy Canyon, C	92.57	50	P	P	09 38 57.9 -0.8
YU6K	Outpost Mounta	92.59	23	P	P	09 38 56.7 -1.7
ILAR	Eielson Array	92.61	17	P	P	09 38 56.0 -2.0
ILAR	Eielson Array	92.61	17	P	P	09 56 12.1 +0.3
ILAR	Eielson Array	92.61	17	P	P	09 56 41.2 +2.8
ILAR	Eielson Array	92.61	17	P	P	10 04 18.5 +1.3
ILAR	Eielson Array	92.61	17	P	P	10 14 42.6
C18K	Utukok River	92.61	11	IAMS_20	IAMS_20	10 13 35.8
C18K	Utukok River	92.61	11	P	P	09 38 56.7 -1.4
Y14A	Wickenburg	92.61	55	IAMS_20	IAMS_20	10 12 45.5
H23K	Yukon River	92.72	16	IAMS_20	IAMS_20	10 15 05.9
H23K	Yukon River	92.72	16	P	P	09 38 56.8 -1.7
POKR	Poker Plat Res	92.72	17	IAMS_20	IAMS_20	10 14 13.6
POKR	Poker Plat Res	92.72	17	P	P	09 38 56.9 -1.7
BVCY	Beaver Creek	92.73	21	P	P	09 38 56.5 -2.2
RAGD	RAYAGADA	92.75	289	I/P	I/P	09 38 59.2 -0.6
YU4K	Talbot Arm	92.76	23	P	P	09 38 57.5 -1.6
SKAG	Skagway	92.77	25	P	P	09 38 59.9 +1.0
SKAG	Skagway	92.77	25	P	P	09 38 57.7 -1.1
J08A	Circle Bar Ran	92.82	44	IAMS_20	IAMS_20	10 16 40.4
HYT	Haines Junctio	92.83	23	P	P	09 38 57.9 -1.4
SCRK	Sand Creek	92.86	19	P	P	09 38 58.0 -1.4
L27K	Beaver Creek,	92.87	20	P	P	09 38 57.7 -1.6
U35K	Hyder	92.88	30	IAMS_20	IAMS_20	10 11 18.8
U35K	Hyder	92.88	30	P	P	09 38 58.2 -1.2
F21K	Alatina River	92.90	14	IAMS_20	IAMS_20	10 13 10.7
F21K	Alatina River	92.90	14	P	P	09 38 58.4 -1.0
J25K	Salcha River,	92.92	18	IAMS_20	IAMS_20	10 18 44.1
J25K	Salcha River,	92.92	18	P	P	09 38 57.9 -1.6
D19K	Kuna River	93.03	12	IAMS_20	IAMS_20	10 15 27.4
D19K	Kuna River	93.03	12	P	P	09 38 58.4 -1.6
F07A	Phinny Hill Vi	93.08	41	IAMS_20	IAMS_20	10 13 09.9
G22K	Bettles	93.11	15	P	P	09 38 59.0 -1.2
B18K	Kokolik River	93.15	10	P	P	09 38 58.8 -1.6
H24K	Noodor Dome	93.16	16	P	P	09 38 58.8 -1.8
E20K	Nigu River	93.20	12	P	P	09 38 59.2 -1.6
LTY	Liberty	93.27	40	IAMS_20	IAMS_20	10 14 40.0
C19K	Lookout Ridge	93.30	11	IAMS_20	IAMS_20	10 14 20.8
C19K	Lookout Ridge	93.30	11	P	P	09 38 59.1 -2.0
G23K	Bananza Creek	93.30	15	IAMS_20	IAMS_20	10 15 25.1
G23K	Bananza Creek	93.30	15	P	P	09 38 59.0 -2.2
O30N	Mendenhall	93.32	24	IAMS_20	IAMS_20	10 15 57.0
O30N	Mendenhall	93.32	24	P	P	09 38 59.3 -2.1
J26L	Joseph Creek	93.37	19	IAMS_20	IAMS_20	10 16 49.0
J26L	Joseph Creek	93.37	19	P	P	09 38 59.3 -2.4
T35M	Bob Quinn	93.39	29	IAMS_20	IAMS_20	10 12 39.4
T35M	Bob Quinn	93.39	29	P	P	09 38 59.6 -2.3
B06A	Marblemount	93.40	39	IAMS_20	IAMS_20	10 13 58.2
N30M	Aishikik Lake	93.40	23	P	P	09 38 59.6 -2.3
JHSJ	JHARSUGUGA	93.41	292	I/P	I/P	09 39 02.3 -0.5
F27K	John River	93.43	14	P	P	09 38 59.7 -2.1
E02A	Sunnyside	93.44	41	IAMS_20	IAMS_20	10 11 13.3
K27K	Chicken	93.48	19	P	P	09 39 00.3 -1.8
P32M	Atlin	93.49	25	IAMS_20	IAMS_20	10 12 08.7
P32M	Atlin	93.49	25	P	P	09 39 00.6 -1.7

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D20K	Etivluk River	93.50	12	P	P	09 39 00.6 -1.6
PRP	Porcupine Dome	93.55	17	IAMS_20	IAMS_20	10 14 49.5
PRP	Porcupine Dome	93.55	17	P	P	09 39 01.1 -1.5
S34M	Telegraph Cree	93.55	28	P	P	09 39 02.2 -0.3
HAWA	Hanford	93.55	41	IAMS_20	IAMS_20	10 13 44.5
M29M	Somme Creek	93.57	22	P	P	09 39 02.0 -0.7
COLD	Colobret	93.66	15	P	P	09 39 02.2 -0.6
TUC	Tucson	93.67	57	IAMS_20	IAMS_20	10 14 23.5
TUC	Tucson	93.67	57	P	P	09 39 04.1 +0.3
TUC	Tucson	93.67	57	P	P	09 39 05.4 +1.6
Q32M	Nakina River	93.70	26	P	P	09 39 01.1 -2.4
WHY	Whitehorse	93.71	24	IAMS_20	IAMS_20	10 13 02.3
WHY	Whitehorse	93.71	24	P	P	09 39 01.0 -2.4
E21K	Killik River	93.81	13	IAMS_20	IAMS_20	10 15 08.4
E21K	Killik River	93.81	13	P	P	09 39 02.2 -1.3
CCUT	Cedar City	93.83	51	IAMS_20	IAMS_20	10 14 41.4
ELK	Elko	93.84	48	IAMS_20	IAMS_20	10 14 00.4
ELK	Elko	93.84	48	P	P	09 39 04.6 0.0
ELK	Elko	93.84	48	LR	LR	10 14 21.6
MOY	Mondy	93.85	325	eP	eP	09 39 04.2 0.0
MOY	Mondy	93.85	325	emax	emax	09 39 04.2 0.0
E08A	Dider Farm, E	93.89	41	IAMS_20	IAMS_20	10 14 13.4
N31M	Braeburn, Yuku	93.90	23	IAMS_20	IAMS_20	10 11 55.3
N31M	Braeburn, Yuku	93.90	23	P	P	09 39 02.9 -1.2
G24K	Hadweencic Riv	93.93	16	P	P	09 39 03.1 -1.0
X16A	Lo Mia Camp, P	93.99	55	IAMS_20	IAMS_20	10 13 38.0
KNB	Kanab	94.00	52	IAMS_20	IAMS_20	10 11 50.1
A19K	Wainwright	94.02	10	P	P	09 39 04.1 -0.2
E22K	Anaktuvuk Pass	94.02	14	IAMS_20	IAMS_20	10 13 45.0
E22K	Anaktuvuk Pass	94.02	14	P	P	09 39 04.5 -0.1
H25L	Birch Creek	94.03	17	P	P	09 39 03.3 -1.3
SZCU	Shurtz Canyon	94.05	51	IAMS_20	IAMS_20	10 15 46.2
L29M	L29M	94.13	21	P	P	09 39 03.7 -1.4
U15A	North Rim	94.16	53	IAMS_20	IAMS_20	10 13 29.2
P33M	Teslin, Yukon	94.23	25	IAMS_20	IAMS_20	10 12 43.3
P33M	Teslin, Yukon	94.23	25	P	P	09 39 04.6 -1.1
D08A	Wollman Farm,	94.23	41	IAMS_20	IAMS_20	10 15 30.5
M30M	Minto, Yukon	94.24	22	IAMS_20	IAMS_20	10 17 21.2
M30M	Minto, Yukon	94.24	22	P	P	09 39 04.3 -1.3
C21K	Knifeblade Rid	94.24	12	P	P	09 39 04.9 -0.5
VJD	Vijayawada	94.25	286	I/P	I/P	09 39 06.6 0.0
VJD	Vijayawada	94.25	286	x	x	09 42 46.1
EGAK	Eagle	94.29	19	P	P	09 39 04.8 -0.9
G25K	Bearman Lake	94.33	16	P	P	09 39 04.6 -1.3
DLBC	Dease Lake	94.33	28	P	P	09 39 05.2 -1.0
DLBC	Dease Lake	94.33	28	LR	LR	10 12 25.3
DAWY	Dawson	94.36	20	P	P	09 39 05.2 -1.0
FYU	Fort Yukon	94.41	17	IAMS_20	IAMS_20	10 15 29.3
D22K	Aiyikyak River	94.44	13	IAMS_20	IAMS_20	10 15 07.2
D22K	Aiyikyak River	94.44	13	P	P	09 39 06.3 -0.1
F24K	Squaw Lake	94.45	15	IAMS_20	IAMS_20	10 17 10.7
F24K	Squaw Lake	94.45	15	P	P	09 39 06.0 -0.5
E23K	Chandler	94.46	14	P	P	09 39 05.2 -1.4
E09A	Wood Farm, Sta	94.46	42	IAMS_20	IAMS_20	10 16 24.5
WUAZ	Wupatki	94.48	54	IAMS_20	IAMS_20	10 12 24.7
WUAZ	Wupatki	94.48	54	P	P	09 39 06.2 -1.4
319A	Douglas	94.49	58	IAMS_20	IAMS_20	10 12 53.2
R33M	Jennings River	94.50	26	IAMS_20	IAMS_20	10 12 07.3
R33M	Jennings River	94.50	26	P	P	09 39 06.4 -0.6
B20K	Meade River	94.51	11	IAMS_20	IAMS_20	10 15 53.9
B20K	Meade River	94.51	11	P	P	09 39 05.8 -0.8
MF1D	Camas Ranch	94.58	45	IAMS_20	IAMS_20	10 13 17.9
B21K	Ikpikpuk River	94.66	12	IAMS_20	IAMS_20	10 16 40.9
B21K	Ikpikpuk River	94.66	12	P	P	09 39 05.9 -1.4
N32M	Quiet Lake	94.70	24	P	P	09 39 05.9 -1.9
SALM	Salt Lake	94.73	281	I/P	I/P	09 39 09.4 +0.4
I27K	Kandik River	94.74	19	P	P	09 39 07.3 -0.6
E24K	Your Creek	94.74	15	IAMS_20	IAMS_20	10 16 52.2
E24K	Your Creek	94.74	15	P	P	09 39 06.9 -1.0
F10A	Beach Ranch, E	94.79	42	IAMS_20	IAMS_20	10 13 26.3
K29M	Barlow Dome	94.82	21	P	P	09 39 07.7 -0.7
M31M	Drury Creek, Y	9				

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SFIN Lafayette, FLOC Florence, WCI Wyandotte Cave, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ARU Boshof, BOSA Boshof, GEYT Alibeck, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like J61A baz=273, UMMG Uummannaq, LBNH Lisbon, etc.

19d 9h

Table with columns for station code, name, frequency, and various signal quality metrics (PKPdf, PKPab, etc.). Includes stations like Collim, MOX, IBBN, etc.

2017 NOV

Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like MOX, IBBN, IBEN, etc.

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Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like AHRW, KBA, TSKL, etc.

Table with columns for station name, frequency, and various status codes. Includes stations like AQU, PAOL, PRMA, SENIN, etc.

Table with columns for station name, frequency, and various status codes. Includes stations like PCAS, CASMILLO, etc.

Table with columns for station name, frequency, and various status codes. Includes stations like DAIG, LOS ARROYOS, etc.

19d 9h: 19 09:32:16.2-0.8, 17:18N; 101.148W, h0km, mb4.3/6, mbmp4.3/11, ML3.7/5, MS4.7/2, Error ellipse: s-maj=30.5km s-min=15.8km az=45.0

NEIC 19 09:32:22.5-3.1, 17:61N; 0106.101:22W:0.05, h39km, g9km, mb4.4/44, Md4.8/34(MEX), Error ellipse: s-maj=9.0km s-min=5.9km az=212.0

MEX 19 09:32:22.0-0.8, 17:47N; 101.136W, h34km, g4km, Md3.8/36, ISC 19 09:32:21.6-0.7, 17:51N; 101.004:11W:0.04, h23km, 4km, n182, c183/204, mb4.4/12, Near coast of Guerrero

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, Op, ISC, h, SCS. Includes stations like PET2, ZILG, etc.

Table with columns for station name, frequency, and various status codes. Includes stations like DAIG, LOS ARROYOS, MEZCALA, etc.

WUAZ	Wupatki	20.04 335	P	P	09 36 54.1 +1.9
LRAL	Lakeview Retre	20.12 37	P	I Amb	09 36 50.0 -2.8
LRAL	comp=Z,2.30nm,1.4s				09 37 00.4
LRAL	Lakeview Retre	20.12 37	P	P	09 36 50.2 -2.7
IKP	In-Ko-Pah, Jac	20.14 321	P	P	09 36 54.4 +1.3
SWSC	Sam W. Stewart	20.16 322	P	P	09 36 54.5 +1.2
PDMCI	Parker Dam,Lak	20.29 328	P	P	09 36 56.0 +1.3
BC3	Big Chuckawall	20.49 324	P	P	09 36 58.6 +0.5
SDCO	Great Sand Dun	20.49 350	P	P	09 36 56.6 -0.5
SDCO	Great Sand Dun	20.49 350	P	P	09 36 56.8 -0.4
MONP2	Monument Peak	20.49 321	P	P	09 36 58.6 +1.5
MVCO	Mesa Verde	20.62 344	P	P	09 36 59.3 +0.7
IRM	Iron Mountain	20.70 326	P	P	09 37 00.8 +1.6
S22A	4UR Ranch, Cre	20.73 348	P	P	09 37 00.4 +0.5
NEE2	Needles Airpor	20.89 328	P	P	09 37 03.0 +1.7
109C	Camp Elliott, M	20.91 320	P	Pn	09 37 03.7 -0.3
TPFO	Pinon Flats	21.02 323	P	P	09 37 04.5 +1.8
PLAL	Pickwick Lake	21.02 32	P	I Amb	09 36 60.0 -2.7
PFO	Pinon Flats 0	21.03 323	P	P	09 37 04.6 +1.8
PFO	Pinon Flats 0	21.03 323	P	P	09 37 03.7 +0.8
BELC	Belle Mtn. Jns	21.05 324	P	P	09 37 04.7 +1.6
MGMO	Mountain Grove	21.13 20	P	I Amb	09 37 00.5 -3.3
CBKS	Cedar Bluff	21.27 3	P	P	09 37 04.4 -0.9
GMRC	Granite Mounta	21.45 326	P	P	09 37 08.4 +1.0
MURC	Murrieta	21.45 321	P	P	09 37 08.9 +1.6
KSCO	Kaye Shedlock'	21.45 357	P	P	09 37 07.2 -0.1
HEC	Hector,Ludlow	21.85 325	P	P	09 37 13.5 +1.9
WWT	Waverly	22.06 30	P	P	09 37 12.4 -1.3
TUQ	Turquoise Moun	22.08 327	P	P	09 37 16.1 +1.9
BFSC	Mount Baldy Ra	22.17 322	P	P	09 37 16.8 +1.7
FMP	Fort Macarthur	22.19 320	P	P	09 37 18.1 +2.9
CCM	Cathedral Cave	22.29 21	P	P	09 37 15.0 -1.2
GSC	Goldstone, Bar	22.45 325	P	P	09 37 19.3 +1.2
ISCO	Idaho Springs	22.52 351	P	P	09 37 17.9 -1.2
ISCO	Idaho Springs	22.52 351	P	P	09 37 19.0 0.0
GOGA	Godfrey	22.53 42	P	I Amb	09 37 16.5 -2.3
GOGA	Godfrey	22.53 42	P	I Amb	09 37 56.6
GOGA	Godfrey	22.53 42	P	P	09 37 16.8 -2.0
DECC	Green Verdugo	22.59 321	P	P	09 37 21.1 +1.6
SNCC	San Nicolas Is	22.67 317	P	P	09 37 22.2 +1.8
EDW2	Edwards Air Fo	22.82 323	P	P	09 37 22.9 +0.9
LRMC	Laurel Mtn Rad	23.07 324	P	P	09 37 25.1 +0.4
SC22	Santa Cruz Isl	23.22 318	P	P	09 37 26.7 +0.7
O20A	White River Ci	23.33 346	P	P	09 37 26.7 -0.5
TMUT	Trail Mountain	23.36 340	P	P	09 37 27.0 0.0
OGNE	Ogallala	23.36 359	P	P	09 37 26.7 -0.7
FURC	Furnace Creek,	23.36 327	P	P	09 37 27.9 +0.6
MPMC	Manual Propsec	23.39 325	P	P	09 37 28.6 +0.8
TPNV	Topopah Spring	23.42 329	P	P	09 37 29.4 +1.3
ARVC	Arvin	23.48 322	P	P	09 37 29.7 +1.1
N23A	Red Feather La	23.64 351	P	P	09 37 29.6 -0.7
ISA	Isabella, Lake	23.65 323	P	P	09 37 31.4 +1.1
TKL	Tuckaleechee C	23.86 37	P	I Amb	09 37 28.4 -3.7
TKL	Tuckaleechee C	23.86 37	P	I Amb	09 38 11.1
Q44A	Meyer Farm, Va	23.86 24	P	P	09 37 29.8 -2.3
CWC	Cottonwood Cre	23.99 325	P	P	09 37 35.1 +1.6
GRAC	Grapevine Rang	24.03 327	P	P	09 37 35.2 +1.5
VES	Vestal, Richgr	24.13 323	P	P	09 37 36.0 +1.4
R11B	Troy Canyon, C	24.23 332	P	P	09 37 36.8 +1.0
SMCC	Simmler	24.31 320	P	P	09 37 38.4 +2.0
WCI	Wyandotte Cave	24.47 30	P	P	09 37 35.8 -2.0
TZTN	Tazewell	24.61 36	P	P	09 37 36.5 -2.6
TZTN	Tazewell	24.61 36	P	P	09 37 37.7 -1.4
DUG	Dugway, Tooele	24.70 339	P	P	09 37 40.9 +0.9
KMSC	Kings Mountain	24.99 41	P	P	09 37 40.1 +2.4
MLAC	Mammoth,Mamm	25.39 326	P	P	09 37 47.5 +2.2
S51A	Seattlyville	25.38 34	P	P	09 37 44.0 -2.0
K22A	Casper	25.45 351	P	P	09 37 47.6 +0.9
NVAR	Mina Array Bea	25.60 328	P	P	09 37 49.5 +1.3
BW06	Boulder Array	26.14 346	P	P	09 37 54.0 +0.9
PDAR	Pinedale Array	26.14 346	P	P	09 37 51.5 -1.6
P49A	Miami Univ. Ec	26.25 30	P	I Amb	09 37 52.4 -1.5
P49A	Miami Univ. Ec	26.25 30	P	I Amb	09 38 00.2
P49A	Miami Univ. Ec	26.25 30	P	P	09 37 52.6 -1.3
ECSD	EROS Data Cent	26.44 8	P	P	09 37 55.7 +0.1
N47A	Urbana	26.89 27	P	P	09 37 59.9 +0.2
O52A	Adamsville	28.13 33	P	P	09 38 08.3 -2.4
HALEY	Halley	28.24 340	P	P	09 38 11.8 -0.1
BOZ	Bozeman (W)	29.30 345	P	P	09 38 21.7 +0.5
DGMT	Dagmar	30.97 356	P	P	09 38 36.0 +0.2
AGMN	Agassiz Nation	31.02 7	P	P	09 38 36.7 +0.4
M50	Missoula	31.05 343	P	P	09 38 37.4 +0.8
F04D	Rainier, OR	33.71 332	P	P	09 38 53.0 -6.8
LOH	Longmire	33.72 334	P	P	09 38 56.8 -3.3
D05A	Enumclaw	34.15 335	P	P	09 38 56.6 -7.0
BATG	Bathurst New B	41.44 36	P	P	09 40 02.6 -2.6
ETMB	Extrema	49.40 26	P	P	09 40 26.1 -0.6
SCHO	Schefferville	45.65 27	P	P	09 40 42.9 +3.9
SIV	San Ignacio	51.77 128	P	P	09 41 24.6 -2.0
H03N2	Juan Fernandez	54.99 157	T	T	10 41 14.3

H03N1	Juan Fernandez	54.99 157	T	T	10 41 14.5
H03N3	Juan Fernandez	55.00 157	T	T	10 41 14.4
ILAR	Eielson Array	56.19 338	P	P	09 41 58.0 -0.1
CPUP	Villa	61.03 135	P	P	09 42 31.6 -0.9
USHA	Ushuaia	77.21 161	LR	LR	10 13 20.9
WRA	Warramunga Ar	127.44 258	PKPcd	PKPcd	09 51 22.9 -1.1
ASAR	Alice Springs	128.21 253	PKP	PKPcd	09 51 25.5 0.0

IDC 19 09:41:45.7-0.8,39:82'S;46:06'E,h0km,mb4.2/8,
 mbmp4.2/8,Error ellipse: s-maj=34.8km s-min=20.9km
 az=47.0
 NEIC 19 09:41:47.9+1.5,40:05.0;1:46:0E;0:1,h10km,1km,
 mb4.7/16,Error ellipse: s-maj=24.6km s-min=7.9km
 az=33.0
 ISC 19 09:41:47.1+0.6,39:98'S;1:46:1E;0:1,h10km,N5E,
 r1509/27,mb4.3/10, Southwest Indian Ridge

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
Code	Station Name	Δ° AZ'	Op	ISC	h m s ISC
H04N1	CROZET ISLANDS	7.52 148	T	T	09 51 00.8
H04N2	CROZET ISLANDS	7.53 148	T	T	09 50 57.3
H04N3	CROZET ISLANDS	7.53 148	T	T	09 50 59.7
CRZF	Crozet Islands	7.77 149	Pn	Pn	09 43 40.5 +0.2
GRHM	Grahamstown, E	17.11 287	Pn	Pn	09 45 46.8 +0.2
POGA	Pongola	17.29 312	P	P	09 45 50.0 0.0
VOI	Volcan	17.97 2	Pn	Pn	09 45 57.9 +0.1
SOE	Somerset East	17.99 287	Pn	Pn	09 45 57.3 0.0
SOE	comp=Z,103nm,1.8s		I Amb	I Amb	09 46 02.6
BOSA	Boshof	20.50 297	P	Pn	09 46 26.6 -1.1
BOSA	comp=Z,36nm,1.0s		I Amb	I Amb	09 46 30.5
BOSA	Boshof	20.50 297	P	Pn	09 46 26.8 -0.9
ABPO	Ambोधimpanom	20.85 3	P	P	09 46 29.0 -0.4
ABPO	comp=Z,29nm,0.9s		I Amb	I Amb	09 46 34.1
OPO	Ambोधiraatomo	21.30 3	P	P	09 46 34.3 +0.2
OPO	comp=Z,1.1nm,1.0s		I Amb	I Amb	09 46 34.3
SUR	Sutherland	21.68 282	P	P	09 46 41.0 +2.8
SUR	comp=Z,119nm,1.9s		I Amb	I Amb	09 46 43.7
LBTB	Lobatse	22.70 305	P	P	09 46 49.2 +0.1
SNA4	Sanae	39.98 202	P	P	09 49 19.6 -1.9
SNA4	comp=Z,18nm,1.7s		I Amb	I Amb	09 49 37.3
QSPA	South Pole Qui	50.28 180	P	P	09 50 44.2 +0.7
QSPA	comp=Z,2.1nm,1.6s		I Amb	I Amb	09 50 56.2
QSPA	South Pole Qui	50.28 180	P	P	09 50 44.6 +1.1
QSPA	comp=Z,3.8nm,0.9s		I Amb	I Amb	09 50 44.6
H01W2	Cape Leeuwin H	53.13 108	T	T	10 48 18.5
H01W3	Cape Leeuwin H	53.14 108	T	T	10 48 19.2
H01W1	Cape Leeuwin H	53.15 108	T	T	10 48 19.8
VNDA	Vanda	56.56 166	P	P	09 51 28.2 -1.0
VNDA	comp=Z,222nm,1.9s		I Amb	I Amb	09 51 54.2
TOAO	Torodi Ar. Sit	66.97 312	P	P	09 52 40.2 0.0
TORD	Torodi Ar. Bea	66.97 312	P	P	09 52 40.4 +0.3
TORD	comp=Z,5.6nm,1.1s		I Amb	I Amb	09 52 42.0
TORD	Torodi Ar. Bea	66.97 312	P	P	09 52 39.7 -0.5
TORD	comp=Z,3.0nm,1.0s		I Amb	I Amb	09 52 39.7
BBOD	Buckleboe	69.84 116	P	P	09 52 57.7 -0.3
ASAR	Alice Springs	73.65 107	P	P	09 53 21.9 +1.7
ASAR	Alice Springs	73.65 107	P	P	09 53 21.9 +0.8
STKA	Stevens Creek	74.18 118	P	P	09 53 26.3 +2.3
STKA	comp=Z,1.8nm,0.9s		I Amb	I Amb	09 53 24.6 +0.5
WRA	Warramunga Ar	76.22 104	P	P	09 53 36.5 +0.6
WRA	comp=Z,1.8nm,0.9s		I Amb	I Amb	09 53 36.5
WB0	Warramunga Ar	76.36 104	P	P	09 53 37.2 +0.4
BRTR	Keskin Array B	80.07 350	P	P	09 53 55.6 -1.2
BRTR	comp=Z,1.5nm,0.9s		I Amb	I Amb	09 53 55.6
INK	Inuvik	151.55 360	PKPbc	PKPbc	10 01 40.1 -0.2
TXAR	Lajitas Array	153.05 256	PKPbc	PKPbc	10 01 44.4 -0.7
TXAR	comp=Z,1.0nm,0.9s		I Amb	I Amb	10 01 44.4
Eielson Array	159.19 13	PKPbc	PKPbc	10 01 44.5 -1.4	
Eielson Array	comp=Z,0.5nm,1.1s		I Amb	I Amb	10 01 44.5

AFAD 19 09:42:58.5-0.0,37:68'N;28:95'E,h9km,4km,ML1.0,
 Turkey
 Code Station Name Δ° AZ' Phase ID Time Res ISC
 DNIZ Denizli-Tavas- 0.08 126 P Pg 09 43 04.0 -0.5
 DNIZ S Sg 09 43 03.6 +1.0
 DNIZ I AML AML 09 43 04.0
 comp=N,450nm,0.2s
 TAVA DENIZLI_Tavas 0.21 189 P Pg 09 43 02.6 -0.3
 TAVA S Sg 09 43 08.1 +2.2
 PASA Karahalli, USA 0.79 32 P Pg 09 43 12.6 +1.2
 PASA S Sg 09 43 02.5 -1.7
 PASA I AML AML 09 43 28.0
 comp=N,5.0nm,0.3s
 PASA I AML AML 09 43 29.0
 comp=E,9.0nm,0.3s

NOU 19 09:43:31.9,21:54'S;168:96'E,h0km,MLV4.6/7,Loyalty
 Islands
 IDC 19 09:43:32.5-0.7,21:46'S;168:80'E,h0km,mb4.2/8,
 mbmp4.2/10,ML4.6/2,Error ellipse: s-maj=28.2km
 s-min=17.5km az=160.0
 NEIC 19 09:43:34.8,1.2,21:62'S;0:10:168:80'E;0:3,h10km,1km,
 mb4.7/17,Error ellipse: s-maj=17.1km s-min=3.0km
 az=13.0
 BGR 19 09:43:36.3,22:12'S;170:09'E,h33km
 ISC 19 09:43:37.0,0.5,21:54'S;0:08:168:80'E;0:06,h29km,n104,
 r096/104,mb4.7/17,3-C1D,Loyalty Islands

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
Code	Station Name	Δ° AZ'	Op	ISC	h m s ISC
MARNC	Mare, Loyalty	0.71 275	P	Pb	09 43 48.5 -2.4
MARNC	Mare, Loyalty	0.71 275	P	Pb	09 43 48.6 -2.4
PINAC	Pines Island,	1.64 229	P	Pn	09 44 02.8 +1.2
PINAC	Pines Island,	1.64 229	P	Pn	09 44 03.1 -0.8
OUENC	Ouen Island, N	2.01 244	P	Pn</	

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FETA Feichten, BFO Black Forest, DAVA Damuels, etc.

IDC 19 09:46:26.1, 2.7, 22.332S-168.88E, h0km, mb4.1/4, mbtmp3.7/4, ML3.6/1, Error ellipse: s-maj=111.9km s-min=38.2km az=174.0, New Caledonia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, CTA Charters Tower, ASAR Alice Springs, etc.

IDC 19 09:51:58.4, 2.0, 21.785S-168.55E, h0km, mb4.1/4, mbtmp4.1/4, Error ellipse: s-maj=78.8km s-min=22.1km az=142.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, etc.

IDC 19 09:51:59.7, 0.8, 21.725S-168.44E, h0km, n36, s=0.92/37, mb4.1/9, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRO Warramunga Arr, WBO Warramunga Arr, AS31 Alice Springs, etc.

WARRAMUNGA ARR 31.70 267 P Iamb P 09 58 21.4 -0.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, FORT Forrest, KNRA Kununurra, etc.

WARRAMUNGA ARR 31.89 267 P P 09 58 22.6 -1.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EKA Eskdalemill Ar, CKRC Ceskry Krumlov, KHC Kasperske Hory, etc.

WARRAMUNGA ARR 31.89 267 P P 09 58 22.6 -1.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MOA Mollin, OBKA Obir, WTTA Wattenberg, etc.

WARRAMUNGA ARR 31.89 267 P P 09 58 22.6 -1.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MOTA Moosalm, SQTA Sankt Quirin, RETA Reutte, etc.

WARRAMUNGA ARR 31.89 267 P P 09 58 22.6 -1.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FETA Feichten, CNRNM, SFS, MDD, LDG, INMG, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PVAQ Vaqueiros, PVAQ Messejona, MESJ Messejona, etc.

MESEJONA 2.04 33 eS Pn 09 55 41.6 +1.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNCL Nicolau / Gran, PNCL Nicolau / Gran, EGRO El Granado, etc.

MESEJONA 2.04 33 eS Pn 09 55 41.6 +1.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PACT Alcochete, EVO Evora, EVO Evora, etc.

MESEJONA 2.04 33 eS Pn 09 55 41.6 +1.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EVO Evora, PMAFR Mafra, PMAFR Mafra, etc.

MESEJONA 2.04 33 eS Pn 09 55 41.6 +1.9

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

MESEJONA 2.04 33 eS Pn 09 55 41.6 +1.9

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

MESEJONA 2.04 33 eS Pn 09 55 41.6 +1.9

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

MESEJONA 2.04 33 eS Pn 09 55 41.6 +1.9

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

MESEJONA 2.04 33 eS Pn 09 55 41.6 +1.9

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

MESEJONA 2.04 33 eS Pn 09 55 41.6 +1.9

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

197 9h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETOB Tobarra, ETOB Cofrentes, Val, EVIV Ste Jean, etc.

TOBARRA 6.90 66 Pn Pn 09 58 47.7 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETOB Tobarra, ETOB Cofrentes, Val, EVIV Ste Jean, etc.

TOBARRA 6.90 66 Pn Pn 09 58 47.7 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETOB Tobarra, ETOB Cofrentes, Val, EVIV Ste Jean, etc.

TOBARRA 6.90 66 Pn Pn 09 58 47.7 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETOB Tobarra, ETOB Cofrentes, Val, EVIV Ste Jean, etc.

TOBARRA 6.90 66 Pn Pn 09 58 47.7 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETOB Tobarra, ETOB Cofrentes, Val, EVIV Ste Jean, etc.

TOBARRA 6.90 66 Pn Pn 09 58 47.7 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETOB Tobarra, ETOB Cofrentes, Val, EVIV Ste Jean, etc.

TOBARRA 6.90 66 Pn Pn 09 58 47.7 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETOB Tobarra, ETOB Cofrentes, Val, EVIV Ste Jean, etc.

TOBARRA 6.90 66 Pn Pn 09 58 47.7 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETOB Tobarra, ETOB Cofrentes, Val, EVIV Ste Jean, etc.

TOBARRA 6.90 66 Pn Pn 09 58 47.7 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETOB Tobarra, ETOB Cofrentes, Val, EVIV Ste Jean, etc.

TOBARRA 6.90 66 Pn Pn 09 58 47.7 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETOB Tobarra, ETOB Cofrentes, Val, EVIV Ste Jean, etc.

19d 9h

Table with columns for station name, frequency, power, and other technical details. Includes stations like CNB, YNG, CAN, RPZ, JCZ, CMSA, etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like TAOE, MPST, VNSA, VNSA, VNSA, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like CWC, MPMC, BELC, NVAR, LPIG, FURC, etc.

Table with columns: PLN, RONA, GUNZ, etc. containing station names, frequencies, and various parameters like SNR, P, I, A, M, B.

Table with columns: GZV, OVZ, ARMA, etc. containing station names, frequencies, and various parameters like SNR, P, I, A, M, B.

Table with columns: CTA, COEN, STKA, etc. containing station names, frequencies, and various parameters like SNR, P, I, A, M, B.

10C 19 10:02:09.6-0.6, 21.705:168.86E, h0km, mb4.3/12, mbtm4.3/14, ML4.3/2, Error ellipse: s-maj=21.2km, s-min=17.0km az=148.0

NEIC 19 10:02:11.6-1.9, 21.655:0.07:168.84E:0.05, h10km, 1km, mb4.9/16, Error ellipse: s-maj=12.9km s-min=7.1km az=25.0

BGR 19 10:02:16.8, 21.245:170.22E, h22km, ISC 19 10:02:13.8-0.4, 21.165:0.08:168.87E:0.07, h29km, n111, +093.9/12, mb4.6/20, 4d, Locality Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing various stations and their parameters.

10C 19 10:00:33.4, 1.8, 23.72S:179.95W, h508km, 1.7km, mb3.6/10, mbtm4.4/11, Error ellipse: s-maj=23.2km, s-min=14.2km az=147.0

NEIC 19 10:00:35.8, 1.9, 23.72S:0.1:180.0E:0.1, h52km, 9km, mb4.5/32, Error ellipse: s-maj=19.7km s-min=16.4km az=125.0

ISC 19 10:00:35.0-0.5, 23.635S:0.09:179.99W:0.10, h532km, n72, +131.7/12, mb4.4/25, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing various stations and their parameters.

19d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like LESA Schwarzeleot, MYKA Terra Mystica, STU Stuttgart, ABTA Abfallersbach, WATA Walderalm, WTTA Wattenberg, MOTA Moosalm, SOTA Sankt Quirin, RETA Reutte, WLF Waifandange, UFR Ueberherrn, VETA Feichten, BFO Black Forest, DAVA Damuels, ESDC Sonseca Array, TORD Torodi Ar. Bea.

IDC 19 10:03:56.4-0.8, 21.705x168.77E, h0km, mb4.2/10, mbmp4.2/12, ML4.5/2, Error ellipse: s-maj=28.8km s-min=18.0km az=157.0

NEIC 19 10:03:57.7, 1.21.62S; 0.07x168.79E; 0.06, h10km, 1km, mb4.5/21, Error ellipse: s-maj=12.5km s-min=8.9km

ISC 19 10:03:57.0-0.5, 21.65S; 0.08x168.75E; 0.07, h10km, n70, o1503/67, mb4.5/22.4, Loyalty Islands

Main table for 19d 10h section, listing various stations and their parameters. Includes stations like MARNC Mare, LIFNC LIFOU, QUENC Ouen Island, DZM Mont Dzumac, ONTNC Ouen Toro, KOUNC Koumang, MSVF Nonsava, ARMA Armidale, CTA Charters Tower, COEN Coen, TOO Toolangi, STKA Stephens Creek, BBOO Buckleboe, WR0 Warramunga Arr, WRB Warramunga Arr, WB2 Warramunga Arr, WRAB Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, MTN Manton Dam, FORT Forrest, KNRA Kununurra, NWAO Nargin (SRO), TOLIZ Toilitoi, VNDA Vanda, QSPA South Pole Qui, QSPA South Pole Qui, MAW Mawson, BELA Belragano, TROLL Troll, SNA4 Sanae, SNA5 Sanae, VN3 Neumayer Olymp, VN2 Neumayer-Watz, SONM Songoing Array, NVAR Mina Array Bea, ILAR Eielson Array, ARCES ARCES Array B, DPCS Dobruska-Polom, CLL Collm, PRU Pruhonice, HSKC Hora Svate Kat, ZVC Zvikov, EKA Eskdalemuir Ar, RONA Rosalia, NKV Novy Kostel, CONA Conrad Observa, CKRC Cesky Krumlov, GERES GERES Array B, SOKA Soboth, OBKA Obir.

2017 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like LESA Schwarzeleot, ABTA Abfallersbach, WATA Walderalm, WTTA Wattenberg, MOTA Moosalm, SOTA Sankt Quirin, FETA Feichten, DAVA Damuels, ESDC Sonseca Array, TORD Torodi Ar. Bea.

NEIC 19 10:06:33.2-2.8, 21.36S; 0.08x168.86E; 0.06, h10km, 1km, mb4.5/7, Error ellipse: s-maj=13.7km s-min=9.4km az=346.0

IDC 19 10:06:34.2-1.9, 21.09S; 168.62E, h0km, mb3.9/4, mbmp4.0/5, ML3.7/1, Error ellipse: s-maj=71.7km s-min=24.5km az=154.0

BGR 19 10:06:38.4, 22.22S; 168.00E, h33km

ISC 19 10:06:33.0-0.8, 21.45S; 0.1x168.89E; 0.08, h10km, n42, o1508/41, mb4.2/8, Loyalty Islands

Main table for 2017 NOV section, listing various stations and their parameters. Includes stations like MARNC Mare, LIFNC LIFOU, QUENC Ouen Island, DZM Mont Dzumac, ONTNC Ouen Toro, KOUNC Koumang, ARMA Armidale, WRAB Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, MTN Manton Dam, GSPA South Pole Qui, BELA Belragano, SNA4 Sanae, NVAR Mina Array Bea, CLL Collm, RICC Richard, PRU Pruhonice, HSKC Hora Svate Kat, ZVC Zvikov, RONA Rosalia, NKV Novy Kostel, CONA Conrad Observa, CKRC Cesky Krumlov, KHC Kasperske Hora, GERES GERES Array B, ARSA Arzberg, MOA Molin, GRF Grafenberg Arr, LESA Schwarzeleot, ABTA Abfallersbach, WATA Walderalm, WTTA Wattenberg, MOTA Moosalm, SOTA Sankt Quirin, RETA Reutte, FETA Feichten, DAVA Damuels, IDC 19 10:09:50.9, 33.0, 13.03S; 173.34E, h0km, mb4.4/4, mbmp4.4/4, Error ellipse: s-maj=572.1km s-min=130.0km az=65.0, NEIC 19 10:11:01.6, 1.6, 16.0S; 0.3x168.1E; 0.1, h192km, 19km, mb4.4/19, Error ellipse: s-maj=43.6km s-min=17.8km az=194.0, ISC 19 10:11:02.7-2.7, 16.0S; 0.4x168.0E; 0.2, h200km, n25, o0956/24, mb4.4/13, Vanuatu Islands, Code Station Name, Az, Az', Phase ID, Time Res, h m s, ISC.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like ASAR Alice Springs, ASAR Alice Springs, BBOO Buckleboe, MTN Manton Dam, KNRA Kununurra, PSAAO Pilbara Seismi, MBWA Marble Bar, GSPA South Pole Qui, BELA Belragano.

IDC 19 10:32:44.3, 1.8, 21.27S; 168.41E, h0km, mb3.6/4, mbmp3.6/4, Error ellipse: s-maj=59.7km s-min=24.3km az=150.0

ISC 19 10:32:43.7-2.0, 22.1S; 0.07x168.7E; 0.02, h10km, n6, o0569/7, mb3.6/4, New Caledonia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, ASAR Alice Springs, WRA Warramunga Arr, SONM Songoing Array, NVAR Mina Array Bea, EKA Eskdalemuir Ar.

IDC 19 10:35:00.8-4.1, 21.64S; 168.72E, h0km, mb3.9/3, mbmp3.9/4, ML3.3/1, Error ellipse: s-maj=158.0km s-min=31.2km az=154.0

NEIC 19 10:35:04.0, 1.3, 21.48S; 0.07x168.57E; 0.03, h10km, 2km, mb4.2/6, Error ellipse: s-maj=12.0km s-min=4.7km az=0.0

ISC 19 10:35:04.5-1.5, 21.55S; 0.1x168.6E; 0.1, h20km, n17, o0571/18, mb4.1/7, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MARNC Mare, LIFNC LIFOU, PINNC Pines Island, QUENC Ouen Island, DZM Mont Dzumac, ONTNC Ouen Toro, WR0 Warramunga Arr, WB0 Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, MTN Manton Dam, KNRA Kununurra, SONM Songoing Array, EKA Eskdalemuir Ar.

IDC 19 10:34:42.3, 26.0, 21.98S; 173.03W, h0km, mb4.6/4, mbmp4.6/4, MS4.9/1, Error ellipse: s-maj=486.5km s-min=150.0km az=76.0

NEIC 19 10:36:40.8, 23.7S; 0.2x178.9W; 0.2, h544km, 20km, mb4.6/30, Error ellipse: s-maj=34.8km s-min=23.4km az=56.0

ISC 19 10:36:16.0-1.8, 23.6S; 0.1x178.9W; 0.2, h550km, n38, o063/38, mb4.6/16, South of Fiji Islands

Main table for 1372 section, listing various stations and their parameters. Includes stations like Code Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MSVF Nonsava, RTZ Ratahuna, BKZ Black Stump Fm, MRZ Mangataniwa, GRZ Quartz Range, TKNZ Takaka Hill, NNZ Nelson, MRNZ Matahiki Terra, THZ Topohue, DSJ Denniston North, GVZ Greta Valley S, LTZ Lake Taylor, INZ Inchbonnie, WHZ Wether Hill, ARMA Armidale, EIDS Eidsvold, CAN Canberra, CTAO Charters Tower, TOO Toolangi, TAU Tasmania Uly, STKA Stephens Creek, BBOO Buckleboe, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WR0 Warramunga Arr, WB2 Warramunga Arr.

Table with columns: WB2, WB0, WRAB, WRA, WRA, WRA, FORT, MTN, MTN, KNRA, PSAAO, BELA. Includes station names, coordinates, and various parameters.

IDC 19 10:38:55.0+1.2, 20:09:55.168:37E, h0km, mb3.8/7, mbmp3.9/8, ML3.7/1, Error ellipse: s-maj=38.9km s-min=23.7km az=159.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like DZM, CTA, STKA, WRA, ASAR, GSPA, SNA, NVAR, GERES.

IDC 19 10:41:36.0+0.7, 21:64S:168:74E, h0km, mb4.1/10, mbmp4.1/12, ML4.6/2, MS4.4/1, Error ellipse: s-maj=25.8km s-min=17.1km az=155.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 10:41:39.4+1.7, 21:73S:0:06:168:57E, h10km, mb4.1/10, mbmp4.4/20, Error ellipse: s-maj=9.6km s-min=4.6km az=3.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 10:41:39.2+0.5, 21:82S:0:07:168:56E, h20km, n66, az=87/66, mb4.3/8, C, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 10:41:39.2+0.5, 21:82S:0:07:168:56E, h20km, n66, az=87/66, mb4.3/8, C, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 11:00:27.6+1.7, 21:71S:0:06:168:0E, h10km, mb4.3/7, Error ellipse: s-maj=18.6km s-min=8.7km az=108.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

Table with columns: ARCES, CLL, PRU, HSK, ZVC, ESK, RONA, NKC, CONA, CKRC, KHC, GERES, OBKA, LESA, MYKA, ABTA, WTTA, MOTTA, SQA, FETA, ESDC. Includes station names, coordinates, and various parameters.

BGR 19 10:48:35.8, 27:89S:174:59E, h33km, NOU 19 10:48:47.7, 21:33S:168:87E, h0km, MLv4.9/8, Loyalty Islands

IDC 19 10:48:49.6, 0.6, 21:37S:168:65E, h0km, mb4.4/16, mbmp4.4/19, ML4.4/3, MS4.4/4, Error ellipse: s-maj=16.9km s-min=14.6km az=104.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 10:48:52.0, 0.4, 21:37S:0:06:168:55E, h0km, n117, az=152/116, mb4.7/30, MS4.9/3, 15D, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 10:48:52.0, 0.4, 21:37S:0:06:168:55E, h0km, n117, az=152/116, mb4.7/30, MS4.9/3, 15D, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 10:48:52.0, 0.4, 21:37S:0:06:168:55E, h0km, n117, az=152/116, mb4.7/30, MS4.9/3, 15D, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 10:48:52.0, 0.4, 21:37S:0:06:168:55E, h0km, n117, az=152/116, mb4.7/30, MS4.9/3, 15D, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 11:00:27.6+1.7, 21:71S:0:06:168:0E, h10km, mb4.3/7, Error ellipse: s-maj=18.6km s-min=8.7km az=108.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

Table with columns: GSPA, NJ2, NJ2, USRK, PETK, MAW, CRAI, KMI, KMI, KMI, CHTO, BELA, BEH, HHC, HHC, ELIB, TROLL, SNA, SNA, SNA, VNA, SONM, NVAR, ILAR, WMQ, INK, ARCES, KLMM, KLMM, NOG, BRG, BRG, BRG, CLL, CLL, PRU, ZVC, EKA, RONA, NKC, CONA, CKRC, KHC, GERES, ARSA, MOA, GFA, BIAO, LESA, BTNL, MEM, BST, BHO, ABTA, WATA, WTTA, BCLA, MOTA, SQA, RETA, RCH, BMRD, WLF, DOU, FETA, ESDC.

NOU 19 11:00:13.9, 21:57S:169:08E, h0km, MLv4.5/9, Southeast of Loyalty Islands

IDC 19 11:00:17.2, 20:09:55.168:45E, h0km, mb3.7/5, mbmp3.7/6, ML3.8/1, Error ellipse: s-maj=98.2km s-min=21.7km az=146.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 11:00:24.1, 1.1, 21:76S:0:05:168:28E, h0km, n44, az=248/36, mb3.8/9, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 11:00:27.6+1.7, 21:71S:0:06:168:0E, h10km, mb4.3/7, Error ellipse: s-maj=18.6km s-min=8.7km az=108.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 11:00:27.6+1.7, 21:71S:0:06:168:0E, h10km, mb4.3/7, Error ellipse: s-maj=18.6km s-min=8.7km az=108.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 11:00:27.6+1.7, 21:71S:0:06:168:0E, h10km, mb4.3/7, Error ellipse: s-maj=18.6km s-min=8.7km az=108.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 11:00:27.6+1.7, 21:71S:0:06:168:0E, h10km, mb4.3/7, Error ellipse: s-maj=18.6km s-min=8.7km az=108.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 11:00:27.6+1.7, 21:71S:0:06:168:0E, h10km, mb4.3/7, Error ellipse: s-maj=18.6km s-min=8.7km az=108.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 11:00:27.6+1.7, 21:71S:0:06:168:0E, h10km, mb4.3/7, Error ellipse: s-maj=18.6km s-min=8.7km az=108.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like MARNC, PINNC, LIFNC, OUENC, DZM, DZM.

IDC 19 11:00:27.6+1.7, 21:71S:0:06:168:0E, h10km, mb4.3/7, Error ellipse: s-maj=18.6km s-min=8.7km az=108.0

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KOUNC	Koumac, New Ca	4.29 283	Pn	11 28 49.7	-0.5
KOUNC	Koumac, New Ca	4.29 283	P	11 28 50.7	+0.6
NFK	Norfolk Island	7.45 185	P	11 29 33.0	-0.5
NFK		baz=7.5,SNR=7.3	S	11 30 54.7	-2.9
MSVF	Nonsavu	9.57 66	Pn	11 30 05.2	+2.4
MSVF	Nonsavu	9.57 68	P	11 30 05.4	+2.6
MSVF	Nonsavu	9.57 68	i/P	11 30 04.1	+1.3
MSVF	Nonsavu	9.57 68	Pn	11 30 02.3	-0.5
MSVF		1.8nm,0.3s,ba=216,slow=11,SNR=29	LR	11 32 53.8	
MSVF		comp=Z,2um,20.1s,ba=254,slow=33	LR		
YSA	Yasavirara	9.67 61	P	11 30 05.8	+1.8
DGTI	Dogotuki	11.66 65	P	11 30 33.2	+1.9
TAVE	Taveuni	11.78 68	P	11 30 34.6	+1.7
FUTU	Fugetoga	14.44 62	P	11 31 11.5	+2.1
HNR	Honiara	14.76 324	P	11 31 12.8	-0.9
HNR	Honiara	14.76 324	P	11 31 13.5	-0.2
HNR	Honiara	14.76 324	Pn	11 31 13.2	-0.5
GC1S	Gold Coast 1 S	15.28 242	P	11 31 21.0	+0.4
FUNA	Funafuti	16.44 39	P	11 31 36.9	-1.4
EIDS	Eidsvold	16.63 254	P	11 31 38.0	+0.1
EIDS	Eidsvold	16.63 254	P	11 31 40.0	-0.4
EIDS	Eidsvold	16.63 254	P	11 31 38.6	+0.6
ROK1H	Rockhampton Ha	16.96 261	P	11 31 44.3	+0.3
TK1Z	Tahuna Road	17.11 162	P	11 31 48.2	+2.7
ARMA	Armidale	17.70 237	P	11 31 53.2	+1.0
ARMA	Armidale	17.70 237	P	11 31 53.1	+0.9
URZ	Urewera	18.10 158	P	11 31 55.6	-0.6
URZ		0.6nm,0.3s,ba=110,slow=5.3,SNR=28	LR	11 37 34.4	
URZ		comp=Z,1um,20.8s,ba=51,slow=33	LR		
RTZ	Ruatana	18.38 159	P	11 32 01.4	+1.7
BKZ	Black Stump Fm	18.73 161	P	11 32 04.9	+0.9
BKZ		comp=Z,2.11nm,1.5s	I/Amb	11 32 10.3	
BKZ	Black Stump Fm	18.73 161	P	11 32 05.5	+1.6
RMQ	Roma	18.88 251	P	11 32 06.0	+0.1
RMQ	Roma	18.88 251	P	11 32 06.2	+0.3
MGCD	Mangrove Creek	19.43 230	P	11 32 12.4	0.0
MGCD	Mangrove Creek	19.43 230	P	11 32 14.0	+1.6
MRZ	Mangatainoka R	19.43 165	P	11 32 16.7	+0.8
MRZ		comp=Z,1.2nm,0.8s	I/Amb	11 32 23.0	
SYDH	Sydney Hard Ro	19.99 229	P	11 32 19.4	+0.4
AFI	Afiamau	20.05 71	I/Amb	11 32 17.6	-0.6
AFI	Afiamau	20.05 71	P	11 32 18.5	
AFI	Afiamau	20.05 71	P	11 32 18.0	-0.2
AFI	Afiamau	20.05 71	P	11 32 17.6	-0.6
BFZ	Birch Farm	20.06 163	P	11 32 18.4	+0.4
THZ	Tophouse	20.41 171	P	11 32 22.3	+0.5
THZ		comp=Z,1.85nm,1.5s	I/Amb	11 32 33.2	
TV1H	Townsville Har	20.70 273	P	11 32 27.0	-0.4
CTA	Charters Tower	21.07 270	P	11 32 30.7	+1.5
CTA	Charters Tower	21.07 270	P	11 32 29.4	+0.2
CTA	Charters Tower	21.07 270	P	11 32 30.6	+1.5
CTA	Charters Tower	21.07 270	P	11 32 30.6	+1.5
CTA	Charters Tower	21.07 270	P	11 32 30.6	+1.5
CTA		comp=Z,7.76nm,1.1s	pmax	11 32 30.6	+1.5
KHZ	Kahutara	21.14 170	P	11 32 31.1	+1.5
KHZ		comp=Z,1.27nm,1.3s	I/Amb	11 32 41.2	
INZ	Inchbonnie	21.19 174	P	11 32 30.4	+0.2
INZ		comp=Z,1.47nm,1.4s	I/Amb	11 32 41.4	
LTZ	Lake Taylor	21.33 173	P	11 32 32.6	+0.9
GVZ	Greta Valley S	21.61 171	P	11 32 35.5	+0.8
GVZ		comp=Z,2.23nm,1.6s	I/Amb	11 32 47.4	
CNB	Canberra Magne	21.79 227	P	11 32 37.0	+0.2
CNB	Canberra Magne	21.79 227	P	11 32 38.8	+2.0
OXZ	Oxford	21.84 174	P	11 32 37.6	+0.5
OXZ		comp=Z,1.92nm,1.9s	I/Amb	11 32 56.4	
FOZ	Fox Glacier	21.89 178	P	11 32 39.5	+1.8
FOZ		comp=Z,1.35nm,1.3s	I/Amb	11 32 48.6	
YNG	Young	21.93 230	P	11 32 39.6	+1.4
CAN	Canberra	22.04 227	P	11 32 40.6	+1.2
CAN	Canberra	22.04 227	P	11 32 41.3	+1.8
CAN	Canberra	22.04 227	P	11 32 40.7	+1.2
CAN		comp=Z,5.53nm,1.1s	pmax	11 32 47.7	+1.2
RPZ	Rata Peaks	22.14 176	P	11 32 41.6	+1.2
RPZ		comp=Z,2.2um,18.7s,ba=350,slow=35	I/Amb	11 32 52.2	
RPZ	Rata Peaks	22.14 176	P	11 32 40.1	-0.2
RPZ		comp=Z,6.2nm,0.7s,ba=332,slow=12,SNR=5.4	LR	11 40 43.7	
JCZ	Jacksn Bay	22.41 180	P	11 32 46.1	+2.7
LBZ	Lake Benmore	22.76 177	P	11 32 47.0	0.0
LBZ		comp=Z,1.15nm,1.6s	I/Amb	11 32 57.4	
CMSA	Cobar Meteorol	22.83 240	P	11 32 48.6	+0.7
CMSA	Cobar Meteorol	22.83 240	P	11 32 48.2	+0.3
QLP	Quilpie	22.90 253	P	11 32 49.3	+0.7
QLP	Quilpie	22.90 253	P	11 32 49.2	+0.5
MILA	Mila	22.92 224	P	11 32 49.9	+1.0
MILA	Mila	22.92 224	P	11 32 50.5	+1.6
MTSU	Mount Surprise	23.22 274	P	11 32 52.8	+0.8
MTSU	Mount Surprise	23.22 274	P	11 32 52.4	+0.4
RABL	Rabaul	23.63 315	P	11 32 58.3	+2.2
PMG	Port Moresby	24.03 297	P	11 33 01.2	+1.3
PMG	Port Moresby	24.03 297	P	11 33 01.2	+1.3
PMG	Port Moresby	24.03 297	P	11 32 58.2	-1.7
PMG		comp=Z,1.52nm,2.5s	pmax	11 33 01.2	+1.3
PMG	Port Moresby	24.03 297	LR	11 41 46.0	
PMG	Port Moresby	24.03 297	LR	11 41 46.0	
SYZ	Sydney Hill	24.88 179	P	11 33 10.5	+3.2
COEN	Coen	25.48 283	P	11 33 14.5	+1.4
COEN		comp=Z,83nm,1.4s	I/Amb	11 33 25.8	
COEN	Coen	25.48 283	P	11 33 14.2	+1.1
TOO	Toolangi	25.63 226	P	11 33 15.6	+1.2
TOO	Toolangi	25.63 226	P	11 33 15.0	+0.7
TOO	Toolangi	25.63 226	P	11 33 15.5	+1.2
TOO	Toolangi	25.63 226	P	11 33 15.0	+0.7
TOO		comp=Z,4.3nm,1.1s	pmax	11 33 15.5	+0.2
KAVG	Kavieng	25.73 315	P	11 33 15.5	+0.2
GLAD	Gladstone	26.10 218	P	11 33 20.7	+2.2
INKA	Innaminka	26.13 251	P	11 33 20.1	+1.9
STKA	Stephens Creek	26.25 241	P	11 33 20.4	+0.4
STKA	Stephens Creek	26.25 241	P	11 33 20.3	+0.3
STKA	Stephens Creek	26.25 241	P	11 33 20.2	+0.3
STKA	Stephens Creek	26.25 241	P	11 33 17.9	-2.1
STKA	Stephens Creek	26.25 241	P	11 33 19.6	-0.4
STKA		comp=Z,2.4nm,1.0s,ba=80,slow=13,SNR=25	pmax	11 33 19.6	-0.4
BRAT	Ballararat	26.69 228	P	11 33 25.2	+1.4
QIS	Mount Isa	27.19 267	P	11 33 28.5	0.0
QIS	Mount Isa	27.19 267	P	11 33 28.2	-0.4
ARPS	Mount Arapiles	27.81 231	P	11 33 33.7	-0.2
ARPS	Mount Arapiles	27.81 231	P	11 33 34.4	+0.5
MANU	Manus Island	28.48 310	P	11 33 39.4	-0.6

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MANU		comp=Z,7.2nm,1.4s	I/Amb	11 33 53.5	
MANU	Manus Island	28.48 310	P	11 33 40.2	+0.2
LCKR	Leigh Creek	28.75 246	P	11 33 42.5	+0.2
HTT	Hallett	28.85 240	P	11 33 43.4	+0.1
HTT	Hallett	28.85 240	P	11 33 43.4	+0.1
HTT	Hallett	28.85 240	P	11 33 45.4	+1.2
RAR	Rarotonga	29.29 95	LR	11 42 50.3	
WHYH	Whyalla	29.84 261	P	11 33 52.7	+0.8
OOD	Oodnadatta	30.60 252	P	11 33 59.4	+0.7
BBOO	Bucklebo	31.02 242	P	11 34 02.3	-0.1
BBOO	Bucklebo	31.02 242	P	11 34 02.4	-0.1
BBOO	Bucklebo	31.02 242	I/Amb	11 34 04.7	
BBOO	Bucklebo	31.02 242	P	11 34 02.5	0.0
TABU	Tabubil	31.21 297	P	11 34 04.7	+0.4
WR0	Warrungga Arr	31.98 267	I/Amb	11 34 09.6	-1.5
WR0		comp=Z,2.2nm,0.8s	I/Amb	11 34 18.4	
WB0	Warrungga Arr	32.15 267	P	11 34 10.6	-2.0
WB0		comp=Z,3.36nm,0.9s	I/Amb	11 34 19.8	
WB2	Warrungga Arr	32.16 267	P	11 34 11.4	-1.3
WB2		comp=Z,4.6nm,1.3s	I/Amb	11 34 20.8	
WRAB	Tennant Creek	32.16 267	P	11 34 11.2	-1.4
WRAB		comp=Z,4.1nm,1.3s	I/Amb	11 34 20.7	
WRAB	Tennant Creek	32.16 267	P	11 34 11.3	-1.4
WRAB	Tennant Creek	32.16 267	i/P	11 34 11.0	-1.7
WRAB		comp=Z,3.7nm,1.4s	pmax	11 34 11.5	-1.3
WRA	Warrungga Arr	32.17 267	P	11 34 11.5	-1.3
WRA	Warrungga Arr	32.17 267	P	11 34 11.5	-1.3
WRA		comp=Z,3.0nm,1.2s	pmax	11 34 11.3	-1.5
WRA	Warrungga Arr	32.17 267	P	11 34 11.3	-1.5
WRA		comp=Z,8.2nm,0.8s,ba=97,slow=8.6,SNR=11	pmax	11 34 11.3	-1.5
AS31	Alice Springs	32.17 260	P	11 34 11.4	-1.3
ASAR	Alice Springs	32.18 260	P	11 34 11.3	-1.4
ASAR	Alice Springs	32.18 260	P	11 34 11.7	-1.1
ASAR		comp=Z,1.1nm,0.8s,ba=94,slow=9.4,SNR=102	LR	11 47 40.0	
ASAR		comp=Z,2um,18.0s,ba=104,slow=37	LR		
MULG	Mulgathing	32.27 247	P	11 34 13.3	-0.1
JAY	Jayapura	33.22 301	P	11 34 24.1	+2.1
KDU	Kakadu	35.70 278	P	11 34 43.7	+0.3
MTN	Manton Dam	36.88 277	P	11 34 53.6	+0.1
MTN	Manton Dam	36.88 277	P	11 34 53.0	-0.5
MTN		comp=Z,3.3nm,0.8s	I/Amb	11 35 00.8	
MTN	Manton Dam	36.88 277	P	11 34 52.8	-0.7
WRKA	Warakama	37.21 257	P	11 34 55.7	-0.6
WRKA		comp=Z,3.7nm,0.8s	I/Amb	11 34 55.7	-0.6
WRKA	Warakama	37.21 257	P	11 34 55.5	-0.8
FORT	Forrest	37.47 247	P	11 34 57.8	-0.4
FORT		comp=Z,6.2nm,0.8s	I/Amb	11 34 57.9	-0.4
FORT	Forrest	37.47 247	P	11 35 06.4	
FORT	Forrest	37.47 247	P	11 34 58.3	0.0
KNRA	Kunurra	38.26 272	P	11 35 04.4	-0.8
KNRA		comp=Z,1.1nm,0.8s	I/Amb	11 35 04.4	-0.8
KNRA	Kunurra	38.26 272	P	11 35 04.4	-0.8
KNRA		comp=Z,6.8nm,0.8s	I/Amb	11 35 12.8	
KNRA	Kunurra	38.26 272	P	11 35 04.7	-0.5
PPT2	Papeete	39.39 92	eLR	11 46 18.9	
PPT2		comp=Z,2um,27.2s	LR	11 47 40.3	
PPT2	Papeete	39.39 92	LR	11 47 40.3	
FAKI	Fak Fak	40.03 293	P	11 35 19.3	-0.7
FITZ	Fitzroy Crossi	40.60 267	P	11 35 24.6	-0.1
FITZ		comp=Z,2um,19.3s,ba=264,slow=30	LR	11 46 18.9	
FITZ		comp=Z,4.0nm,0.7s,ba=40,SNR=37	LR	11 50 51.7	
GUMO	Guam	42.09 324	LR	11 50 51.7	
GUMO		comp=Z,3.70nm,19.4s,ba=109,slow=33	LR	11 50 51.7	
KMBL	Karalada	42.79 247	P	11 35 42.0	-0.5
KMBL		comp=Z,3.7nm,1.4s	I/Amb	11 35 42.0	-0.5
KMBL	Kambalda	42.79 247	P	11 35 41.7	-0.8
SOEI	Soe	44.26 278	P	11 35 54.7	0.0
BATI	Baumata	44.66 277	LR	11 54 48.1	
BATI		comp=Z,2um,19.3s,ba=264,slow=30	LR	11 54 48.1	
PSA00	Pilbara Seismi	45.31 261	I/Amb	11 36 00.9	-2.0
PSA00		comp=Z,3.1nm,0.8s	I/Amb	11 36 11.1	
PSA00	Pilbara Seismi	45.31 261	P	11 36 01.8	-1.1
PSA00		comp=Z,1.61nm,1.0s	I/Amb	11 36 11.1	
PSA00	Pilbara Seismi	45.31 261	P	11 36 02.5	-0.4
MBWA	Marble Bar	45.49 261	P	11 36 03.7	-0.6
MBWA	Marble Bar	45.49 261	P	11 36 04.2	-0.

19d 11h

Table with columns for station ID, name, elevation, and various performance metrics (e.g., SNR, slope, loss). Includes stations like LZH, R17K, PMSA, etc.

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Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like YAK, YAK, YAK, etc.

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Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like M26K, C17K, WRAK, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time Res, h, m, s, ISC. Includes stations like MTN Manton Dam, FORT Forrest, KNRA Kununurra, FAKI Fak Fak, NWAQ Narrogin (SRO), etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time Res, h, m, s, ISC. Includes stations like FOZ Fox Glacier, RPZ Rata Peaks, COEN Coen, TOO Toolangi, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time Res, h, m, s, ISC. Includes stations like WATA Walderalm, WTTA Wattenberg, MOTA Mosala, SQTA Sankt Quirin, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time Res, h, m, s, ISC. Includes stations like WRAB Warrungunga Arr, WRA Warrungunga Arr, WRA Warrungunga Arr, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, etc.

BGR 19 11:42:21.9, 28.79S; 172.61E, h24km
IDC 19 11:42:35.0, 6.21.70S; 168.81E, h0km, mb4.4/13,
mbmp4.4/15, MLL4.9/2, MS4.5/3, Error ellipse:
s-maj=19.9km s-min=17.6km az=134.0,
NEIC 19 11:42:38.9, 1.8, 21.76S; 0.04; 168.70E; 0.05, h10km, 1km,
mb4.8/33, Error ellipse: s-maj=8.3km s-min=6.5km
az=116.0

ISC 19 11:42:37.6, 0.4, 21.69S; 0.08; 168.77E; 0.06, h10km, n107,
r132/104, mb4.7/27, MS4.4/3, 5S, Loyalty Islands

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, etc.

19D 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like SOKA Soboth, BIOA Bad Ischl, AUSA, LESA Schwarzeleal, ABTA Abfattersbach, WATA Walderalm, WTAA Wattenberg, MOTA Moosalm, SOTA Sankt Quirin, FETA Feichten, DAVOX Davos/Dischmat.

IDC 19 11:46:55.4, 1.2, 21.765x168.70E, h0km, mb3.9/6, mbtmp3.9/7, Error ellipse: s-maj=35.3km s-min=28.3km az=4.0

ISC 19 11:46:57.0, 0.2, 18S:0.2, 168.8E:0.1, h10km, n22, r186/21, mb3.9/6, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like DZM Mont Dzumac, DZM 237nm, 0.8s, ASAR Alice Springs, WRA Warramunga Arr, GSPA South Pole Qui, CMAR Chiang Mai Arr, SNAA Sanae, SOMM Songjino Array, PRU Pruhonice, HSKC Hora Svate Kat, ZVC Zvolok, RONA Rosalia, AUSA, CONA Conrad Oberlva, CKRC Cesky Krumlov, KHC Kasperske Hory, GERES GERRS Array B, LESA Schwarzeleal, ABTA Abfattersbach, WTAA Wattenberg, MOTA Moosalm, SOTA Sankt Quirin, FETA Feichten, DAVOX Davos/Dischmat.

IDC 19 11:50:25.1, 2.4, 10.18Sx112.95E, h0km, mb3.6/4, mbtmp3.6/4, Error ellipse: s-maj=145.3km s-min=22.9km az=47.0

DJA 19 11:50:35.9, 0.4, 9.5S:4.1x11.4E, h43km, g9km, M4.2/12, mb4.3/4, MLV4.1/12

ISC 19 11:50:33.5, 1.1, 9.5S:0.07x113.98E:0.05, h31km, n15, r173/20, mb3.7/4, South of Java

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like JAGI Jajag, Banyuwa, IGBI Denpasar, ABJI Asem Bagus, SRBI Singaraja, TWSI Taliwang, SNAA Sanae, ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array.

IDC 19 11:53:11.5, 2.2, 9.69S:113.38E, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=115.6km s-min=26.7km az=49.0

DJA 19 11:53:21.5, 1.2, 9.5S:4.1x11.4E, h22km, 12km, M4.0/9, mb4.3/3, MLV3.8/9

ISC 19 11:53:16.5, 1.1, 9.51S:0.08x113.67E:0.08, h26km, n13, r150/14, mb3.7/4, South of Java

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like JAGI Jajag, Banyuwa, IGBI Denpasar, ABJI Asem Bagus, SRBI Singaraja, GRJI Gresik, WOJI Wonogiri, UGM Wanagama, PLAI Plampang, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array.

DJA 19 11:53:38.0, 0.4, 8.5S:5.1x11.9E, h141km, 6km, M3.7/10, mb3.7/3, MLV3.7/10, Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like PLAI Plampang, TWSI Taliwang, BASI Baing, BASI Baing, SNAA Sanae.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like EDFI Bulukumba, BKSI Singaraja, SRBI Denpasar, IGBI Jajag, Banyuwa, JAGI Baumata, SOEI 1nm, 0.5s, 0.1nm, SOEI 22nm, 1.7s, 0.2nm, SOEI 22nm, 1.7s, 0.2nm.

SOME 19 12:07:03.6, 42.52N:82.43E, h5km, h228km, mb4.3/4, Error ellipse: s-maj=156.0km s-min=12.4km az=156.0

ISC 19 12:07:00.6, 3.7, 42.42N:82.82E:0.1, h10km, n6, r2538/7, 4C-10, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like SHLS Shalkode, SHLS 12nm, 0.4s, PDGK Podgornoye, PDGK 4.2nm, 0.7s, UZB Uzymbulak, UZB 1.0nm, 0.1s, UZB 5.4nm, 0.4s, KPKS Kokopek, KPKS 2.2nm, 0.2s, MK31 Makanchi Array, MK31 5.8nm, 1.2s, baz=166, slow=13, SNR=8.4, MK31 1.0nm, 0.8s, baz=170, slow=15, SNR=4.6, MK31 2.8nm, 0.7s, baz=180, slow=26, SNR=3.6, MAKZ Makanchi, MAKZ 4.4s 355 uLg.

NEIC 19 12:11:09.6, 1.5, 38.86S:0.06:174.97E:0.08, h228km, 10km, mb4.3/4, Error ellipse: s-maj=11.4km s-min=5.9km az=47.0

NOU 19 12:11:09.6, 38.86S:175.04E, h235km, MLV4.1/15, North Island, New Zealand

WEL 19 12:11:39.0, 7.39, S:7.17x17.5E, h197km, 5km, M3.8/10, ML3.5/7, MLV3.8/10, Error ellipse: s-maj=0.0km s-min=0.0km az=147.1, confirmed

ISC 19 12:11:09.4, 0.9, 38.93S:0.06:174.99E:0.05, h231km, 6km, n218, r150/12/27, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like VRZ Vera Road, TWSZ Taurewa, TWVZ, HIZ Hauri, HIZ Hauri, HIZ Hauri, PKVZ Pokaka, PKVZ, WTVZ West Tongariro, COVZ Chateau Observ, NNWZ North Ngauruhoe, NNWZ, NGZ Ngauruhoe, MHEZ Mangawhata, FWVZ Far West T-bar, NNWZ, KATZ Kakarama, KATZ, MAVZ Matarangi, SNVZ South Ngauruhoe, TRVZ Turoa, OTVZ Oturere, OTVZ, WHVZ Whangape Hut, WHVZ Te Maari, TMVZ, MTRVZ Mangateitei, RATZ Rangitikei, TUVZ Tukino, TUVZ Wahianoa, WATZ Wairara, WATZ, RITZ Rihia Road, LREZ Lake Rotokare, TLZ Tolley Road, MOVZ Moawhango, PROV Palmer Road, NFEVZ New Fomont, KAHU Road, KUTZ, WAZ Wanganui, PKE Pukeiti, KHEZ Kahui Hut, KHEZ Kahui Hut, NBEZ Newell Road No, THQZ Tauhara North, NMEZ Namu Road, BHZH Black Hill Sta, WPRZ Whakapapatarin, GRRZ Galatos Road, MRHZ Mataeo Rd, ALRZ Allen Road, HRRZ Handcock Road, HSRZ Hossack Road, PRRZ Plateau Road, BKZ Black Stump Fm, BKZ Black Stump Fm, BKZ Black Stump Fm, UTU Utuhina, KWHZ Kaweka Forest, HLRZ Highlands Stat, NZRZ New Zealand, TOZ Tauhara Road, KRHZ Kereru, OHWZ Ohaeka, RRRZ Kaimai, RRRZ Republican Roa, KAHZ Kaharoa, TSZ Takapari Road, PNHZ Pakenui, OMRZ Omani, TARZ Mount Tarawera, MKRZ Makarua, MCHZ McNeill Hill, MCHZ Naumai, LHRZ Lichensteins R, LHRZ Mangatainiwha, MURZ Murupara, TCORZ Tauranga, POWZ Post Office Ro, RTZ Ruatuhuna, RTZ Ruatuhuna, WHPZ Waipouanu, WHPZ Waipouanu, EDORZ Edwards, MARZ Manawhanga, RAHZ Arahui, DVHZ Dannevirke, DVHZ Ohinepeana, KAHZ Kahuranaki, WHHZ Waihu, KCHZ Cape Kidnapper, MRZ Mangatainoka R, MRZ Mangatainoka R, PRVZ Port Road, Urewera, Urewera, Urewera, PXZ Pawanui, MKAZ Mowakui, SNGZ Shannon Statio.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like PRHZ Porangahau, AWAZ Awitahi Peninsula, OGWZ Otaki Gate, ANWZ Angora Road, MYRZ Mayor Island, MYRZ Mayor Island, RAGZ Rawiri, TIWZ Tintock, ETAZ East Tamaki Re, BFZ Birch Farm, BFZ Birch Farm, HOWZ Holdsworth Sta, WTAZ Waitatara, DUWZ D'Urville Isla, EPAZ Eden Park BICE, MWZ Matawara, HBWZ Herne Bay Bore, KNZ Kokohu, WIWZ Waikhe Island, MAWZ Motutapu North, CBAZ Cannon Point, RIGZ Rimuhau, CPWZ Castlepoint, RVVZ Riverhead Bore, WIZ White Island, PRGZ Paritu Road, MTWZ Mount Morrison, KUZ Kapiti Island, KUZ Kaoutunu, TMWZ Te Maipa, MHGZ Mahia Peninsula, TKGZ Te Karaka, GRCZ Great Karara Rang, ABVZ Army Barr, TCWZ Tory Channel, TCWZ Tory Channel, WELZ Wellington, NZSO South Karori, NZSO South Karori, TWGZ Tuwhareparea, PAWZ Paruwai Farm, BHWZ Baring Head, BHWZ Baring Head, HNZ He Kaha, HNZ He Kaha, CAGZ Carnagh Statio, NNZ Nelson, NNZ Nelson, TKNZ Takaka Hill, TKNZ Takaka Hill, TUWZ Tuamarina, TUWZ Tuamarina, TUWZ Tuamarina, PKGZ Pakihiko, PLWZ Palliser, PLWZ Palliser, QUWZ Quartz Range, QUWZ Quartz Range, QUWZ Quartz Range, QUWZ Quartz Range, PRZ Puketiti, GRZ Great Barrier, CMWZ Cape Campbell, CMWZ Cape Campbell, BSWZ Blackbirch Sta, BSWZ Blackbirch Sta, WMGZ Waiomatatini S, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, MRNZ Matariki Terra, MRNZ Matariki Terra, WCHZ Waipu Caves, THZ Topohue, THZ Topohue, KHZ Kahutara, KHZ Kahutara, KHZ Kahutara, DSZ Denniston Nort, DSZ Denniston Nort, OUZ Otago, OUZ Omahuta, GVZ Greta Valley S, GVZ Greta Valley S, LTZ Lake Taylor, LTZ Lake Taylor, AMCZ Amberley, AMCZ Amberley, INCZ Inchbonnie, INCZ Inchbonnie, OXZ Oxford, OXZ Oxford, OKCZ Okains Bay, MQZ McQueen's Vall, MQZ McQueen's Vall, AKCZ Akaroa Harbour, WVAZ Waikata Valley, RACZ Rakaiia, MHCC Mount Hutt, GCSZ Gaunt Creek Bo, RPZ Rata Peaks, RPZ Rata Peaks, RPZ Rata Peaks, ARUNDZ Arundel, FOZ Fox Glacier, FOZ Fox Glacier, TMZ Timaru, LMBZ Lake Benmore, LMBZ Lake Benmore, ODZ Otahua Downs, ODZ Otahua Downs, JCYZ Jackson Bay, JCYZ Jackson Bay, WKZ Wanaka, MAZ Earnsclough, MAZ Milford Sound, MLZ Mavora Lakes, MLZ Mavora Lakes, WHZ Wether Hill Ro, WHZ Wether Hill Ro, WHZ Wether Hill Ro, SYZ Scrubby Hill, DCVZ Deep Cove, MSVF Nonsavu.

SBA Scott Base, GSPA South Pole Qui, SNAA Sanae, comp=2.5, 2nm, 1.3s

DJA 19 12:13:02.6, 0.5, 5.5S:3.13x11.1E, h23km, 5km, M4.3/11, mb4.2/8, mb5.3/2, MLV4.3/11, Mw(B)4.7/2, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like BNDI Bandanaira, BNDI, FAKI Fak Fak, FAKI, KRPI Kaimana, KRPI Kaimana, KRPI Ransiki, Papua, NLAI Namlea, LBMI Labuha, SANI, SNAA Sanae.

NOU 19 12:16:54.4, 21.79S:169.42E, h0km, MLV4.8/6, Southeast of Loyalty Islands

IDC 19 12:17:01.1, 0.8, 21.77S:168.79E, h0km, mb3.9/11, mbtmp4.0/13, ML4.3/2, Error ellipse: s-maj=27.3km s-min=17.8km az=158.0

NEIC 19 12:17:03.2, 2.8, 21.87S:0.06:168.66E:0.06, h10km, 1km, mb4.7/9, Error ellipse: s-maj=10.8km s-min=7.5km

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like MARNC, PINNC, LIFNC, OUENC, DZM, ONTNC, KOUNC, MSVFC, CTAC, STKAC, WB0, ASAR, WB2, KNRA, GIRL, QSPA, USA0B, MAW, CMAR, BELA, SNAAC, VNA3, VNA2, SONM, NVAR, ILAR, DPC, CLL, PRU, ZVC, EKA, KCRC, KHC, GERES, LESAC, MYKAC, ABTAC, WATA, WTTA, MOTAC, SQTAC, RETAC, FETAC, DAVAC, ESDC.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like MOS, GEN, PDG, BNS, PRU, ROM, LDG, NEIC, MED, GRAM, NEVI, PRMA, A306A, FIVI, GSCL, EQUI, MESSA, GORR, SARO, VILLACOLLEMAND, VILLACOLLEMAND, VILLACOLLEMAND.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like VLC, PLMIA, PLMIA, PLMIA, PLMIA, PLMIA, CASTELLEONE, MODENA, NOVADI, CARDOSO, MANTOVA, BAGNIDI, CAVEZZO, BDI, SBPO, ZCCA, ORZINOUI, RAVARINO, RONCA.

19d 12h

AGOR	comp=N,4335µm,1.3s	AML	AML						
AGOR	comp=N,5480µm,1.3s	AML	AML						
AGOR	comp=E,5080µm,0.9s	AML	AML						
AGOR	comp=E,3921µm,0.7s	AML	AML						
AGOR	comp=E,5082µm,0.9s	AML	AML						
AGOR	comp=N,5481µm,0.7s	AML	AML						
SF01	Poggio Pratacco	2.16 149	P	Pn	12 38 20.6	+1.4			
SF01	comp=E,2155µm,0.6s	AML	AML						
SF01	comp=N,2315µm,1.6s	AML	AML						
SF01	comp=E,2155µm,1.4s	AML	AML						
SF01	comp=N,2315µm,0.4s	AML	AML						
SF01	comp=N,2354µm,1.8s	AML	AML						
SF01	comp=E,2155µm,0.6s	AML	AML						
ISO	Isola	2.19 258	P	Pn	12 38 21.3	+1.6			
EMBD	Embd, Matera	2.20 316	P	Pn	12 38 20.3	+0.5			
FSSB	Fossombrone	2.20 115	AML	AML					
FSSB	comp=N,6690µm,0.5s	AML	AML						
FSSB	comp=E,6300µm,1.5s	AML	AML						
FSSB	comp=N,6692µm,0.5s	AML	AML						
FSSB	comp=E,6277µm,0.4s	AML	AML						
LSD	Lago del Serru	2.21 292	P	Pn	12 38 19.6	-0.4			
LSD	comp=N,2525µm,0.8s	AML	AML						
LSD	comp=E,2660µm,0.6s	AML	AML						
LSD	comp=N,2525µm,0.8s	AML	AML						
LSD	comp=E,2663µm,0.6s	AML	AML						
LSD	Lago del Serru	2.21 292	P	Pn	12 38 19.6	-0.4			
LSD	Lago del Serru	2.21 292	P	Pn	12 38 20.2	+0.2			
POLC	Polcenigo	2.21 51	AML	AML	12 38 19.7	-0.1			
POLC	comp=N,8780µm,1.2s	AML	AML						
POLC	comp=E,10650µm,0.6s	AML	AML						
POLC	comp=N,8780µm,0.8s	AML	AML						
POLC	comp=N,8617µm,0.7s	AML	AML						
POLC	comp=E,10615µm,0.6s	AML	AML						
ATTE	AVT- Monte Tez	2.22 130	P	Pn	12 38 21.8	+1.7			
ATTE	comp=E,3575µm,0.6s	AML	AML						
ATTE	comp=E,3575µm,1.4s	AML	AML						
ATTE	comp=N,3965µm,0.7s	AML	AML						
ATTE	comp=E,3575µm,0.6s	AML	AML						
ATFO	Monte Foce - G	2.24 124	AML	AML					
ATFO	comp=N,4245µm,1.6s	AML	AML						
ATFO	comp=N,4245µm,0.4s	AML	AML						
ATFO	comp=E,4035µm,1.1s	AML	AML						
ATFO	comp=E,4036µm,1.1s	AML	AML						
ATFO	comp=N,3911µm,0.8s	AML	AML						
PGF	Pioggiola	2.25 200	eP	Pn	12 38 20.6	+0.2			
PGF	Pioggiola	2.25 200	eP	Pn	12 38 20.7	+0.2			
PGF	comp=N,829µm,0.5s	AML	AML						
PGF	Pioggiola	2.25 200	AML	AML	12 38 43.6	-4.0			
PGF	comp=N,1558µm,0.5s	AML	AML						
PGF	comp=E,1380µm,0.8s	AML	AML						
PGF	comp=N,1615µm,1.3s	AML	AML						
PGF	comp=N,1615µm,0.7s	AML	AML						
PGF	comp=E,1384µm,0.8s	AML	AML						
PGF	Pioggiola	2.25 200	P	Pn	12 38 20.6	+0.2			
PGF	Pioggiola	2.25 200	P	Pn	12 38 20.7	+0.2			
SACS	San Casciano d	2.27 143	AML	AML	12 38 22.3	+1.6			
SACS	comp=E,1555µm,1.0s	AML	AML						
SACS	comp=E,1550µm,1.0s	AML	AML						
SACS	comp=N,1555µm,0.7s	AML	AML						
SACS	comp=N,1615µm,0.9s	AML	AML						
SACS	comp=N,1555µm,1.3s	AML	AML						
SACS	comp=E,1555µm,1.0s	AML	AML						
SACS	comp=E,1550µm,1.0s	AML	AML						
SACS	comp=N,1558µm,0.7s	AML	AML						
SACS	comp=N,1613µm,0.9s	AML	AML						
SACS	comp=E,1553µm,1.0s	AML	AML						
SACS	comp=E,1549µm,1.0s	AML	AML						
MURB	Monte Urbino	2.28 127	AML	Pn	12 38 22.1	+1.2			
MURB	comp=E,7510µm,0.8s	AML	AML						
MURB	comp=N,6450µm,0.4s	AML	AML						
MURB	comp=N,6320µm,0.4s	AML	AML						
MURB	comp=E,7560µm,1.1s	AML	AML						
MURB	comp=E,7510µm,1.2s	AML	AML						
MURB	comp=N,6449µm,0.4s	AML	AML						
MURB	comp=E,7211µm,0.8s	AML	AML						
MURB	comp=N,6323µm,0.4s	AML	AML						
MGAB	Montegabbione	2.31 139	AML	Pn	12 38 22.7	+1.5			
MGAB	comp=E,2630µm,0.6s	AML	AML						
MGAB	comp=E,2825µm,0.6s	AML	AML						
MGAB	comp=N,2905µm,0.8s	AML	AML						
MGAB	comp=N,3065µm,0.8s	AML	AML						
MGAB	comp=N,2903µm,0.8s	AML	AML						
MGAB	comp=E,2826µm,0.6s	AML	AML						
MGAB	comp=N,3065µm,0.8s	AML	AML						
MGAB	comp=N,2903µm,0.8s	AML	AML						
MGAB	comp=N,3065µm,0.6s	AML	AML						
SSFR	Montelago di S	2.33 121	P	Pb	12 38 23.9	-1.7			
SSFR	comp=E,3080µm,1.6s	AML	AML						
SSFR	comp=N,2880µm,0.7s	AML	AML						
SSFR	comp=E,3020µm,1.6s	AML	AML						
SSFR	comp=N,2880µm,1.3s	AML	AML						
SSFR	comp=N,2795µm,0.7s	AML	AML						
SSFR	comp=N,2793µm,0.7s	AML	AML						
SSFR	comp=E,2972µm,0.9s	AML	AML						
SSFR	comp=E,2945µm,0.7s	AML	AML						
SSFR	comp=N,2688µm,0.5s	AML	AML						
MBDF	Montbardon	2.33 273	eP	Pn	12 38 22.5	+0.8			

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MBDF	comp=N,4µm,0.7s	eSn	Sb	12 38 44.8	-5.0				
MBDF	Grande Dixence	2.33 308	AML	AML	12 38 57.8	+3.7			
DIX	comp=E,5945µm,1.2s	AML	AML						
DIX	comp=N,12450µm,1.0s	AML	AML						
DIX	comp=E,5940µm,1.2s	AML	AML						
DIX	Grande Dixence	2.33 308	AML	Pn	12 38 23.4	+1.6			
BRES	Bressanone	2.36 30	AML	AML					
BRES	comp=N,5655µm,0.8s	AML	AML						
BRES	comp=E,5385µm,0.9s	AML	AML						
BRES	comp=N,5655µm,1.2s	AML	AML						
BRES	comp=N,5656µm,0.8s	AML	AML						
BRES	comp=E,5073µm,1.1s	AML	AML						
CIMO	Cimolais	2.36 45	AML	Pn	12 38 21.8	-0.2			
CIMO	comp=E,2255µm,0.8s	AML	AML						
CIMO	comp=E,2230µm,0.8s	AML	AML						
CIMO	comp=N,2630µm,1.1s	AML	AML						
CIMO	comp=N,2615µm,1.1s	AML	AML						
CIMO	comp=E,2230µm,1.2s	AML	AML						
CIMO	comp=E,2255µm,1.2s	AML	AML						
CIMO	comp=E,2233µm,0.8s	AML	AML						
CIMO	comp=N,2632µm,1.1s	AML	AML						
CIMO	comp=E,2258µm,0.8s	AML	AML						
CIMO	comp=N,261µm,1.1s	AML	AML						
MAON	Monte Argentar	2.37 160	AML	Pn	12 38 23.1	+1.0			
MAON	comp=E,1280µm,0.8s	AML	AML						
MAON	comp=N,996µm,1.2s	AML	AML						
MAON	comp=E,1280µm,1.2s	AML	AML						
MAON	comp=E,1261µm,0.8s	AML	AML						
MAON	comp=N,994µm,1.2s	AML	AML						
MRGE	Morge	2.38 299	P	Pn	12 38 22.6	+0.3			
MRGE	comp=E,5345µm,0.6s	AML	AML						
MRGE	comp=N,4435µm,0.7s	AML	AML						
MRGE	comp=E,5343µm,0.6s	AML	AML						
MRGE	comp=N,4433µm,0.7s	AML	AML						
ATCC	AVT- Casa Cast	2.39 127	P	Pn	12 38 24.1	+1.8			
ATCC	comp=E,4460µm,1.1s	AML	AML						
ATCC	comp=N,4225µm,0.9s	AML	AML						
ATCC	comp=E,4460µm,0.9s	AML	AML						
ATCC	comp=N,4225µm,0.9s	AML	AML						
ATCC	comp=E,4461µm,1.1s	AML	AML						
ARVD	Arcevia	2.40 118	AML	AML					
ARVD	comp=E,2190µm,0.7s	AML	AML						
ARVD	comp=E,2190µm,1.3s	AML	AML						
ARVD	comp=N,3075µm,0.8s	AML	AML						
ARVD	comp=E,2190µm,1.3s	AML	AML						
ARVD	comp=N,3074µm,0.8s	AML	AML						
FOSV	Fossato di Vic	2.40 124	P	Pn	12 38 24.6	+2.2			
FOSV	comp=E,2440µm,0.9s	AML	AML						
FOSV	comp=N,2590µm,0.8s	AML	AML						
FOSV	comp=N,2590µm,1.2s	AML	AML						
FOSV	comp=E,2440µm,0.9s	AML	AML						
FOSV	comp=N,2591µm,0.8s	AML	AML						
FETA	Feichten	2.41 11	ePn	Pn	12 38 24.3	+1.6			
CALF	comp=N,41nm,0.3s, SNR=96	AML	P	Pn	12 38 24.1	+1.3			
BNI	Bardonecchia	2.42 249	P	Pn	12 38 24.3	+1.4			
BNI	Bardonecchia	2.42 280	AML	AML					
BNI	comp=N,2538µm,1.1s	AML	AML						
BNI	comp=E,2270µm,0.8s	AML	AML						
BNI	comp=E,2820µm,0.8s	AML	AML						
BNI	comp=N,2540µm,1.1s	AML	AML						
BNI	comp=N,2115µm,1.1s	AML	AML						
BNI	comp=E,2820µm,0.8s	AML	AML						
BNI	comp=N,2116µm,1.1s	AML	AML						
BNI	comp=E,2271µm,0.8s	AML	AML						
BNI	Bardonecchia	2.42 280	P	Pn	12 38 24.3	+1.4			
PLONS	Plons/SG	2.43 349	P	Pn	12 38 24.7	+1.7			
PLONS	comp=N,1605µm,0.7s	AML	AML						
PLONS	comp=E,2925µm,0.7s	AML	AML						
PLONS	comp=N,1605µm,0.7s	AML	AML						
PLONS	comp=E,2928µm,0.7s	AML	AML						
ROSI	Roskopf	2.46 23	AML	AML					
ROSI	comp=N,7287µm,0.8s	AML	AML						
ROSI	comp=N,7290µm,0.8s	AML	AML						
ROSI	comp=N,7290µm,1.2s	AML	AML						
ROSI	comp=E,6020µm,0.7s	AML	AML						
ROSI	comp=E,6016µm,0.7s	AML	AML						

1385

Table with columns for station code, name, frequency, and signal strength. Includes stations like Cesi, Moosalm, Wattenberg, and Norcia.

2017 NOV

Table with columns for station code, name, frequency, and signal strength. Includes stations like Base Areonaal, Garmisch-Parte, and Pellescritta.

19d 12h

Table with columns for station code, name, frequency, and signal strength. Includes stations like Campotosto, Bastide-des Simiane la Rot, and Stuttgart.

19d 12h

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like VCES Cotopaxi, CHSH Refugio Sur-Vo, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GRAM Graiana, PRMA PARMA, etc.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PRMA comp=E,1314u,2.0s, MSSA Maissana, etc.

ROM 19 12:42:18.0-0.3,44.66N:0.01x10.05E:0.02,h21km,2km, ML2.4/1,1C,Error ellipse: s-maj=1.8km s-min=0.3km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GRAM Graiana, PRMA PARMA, etc.

NOU 19 12:49:04.9,21.69S:169.02E,h0km,MLv4.4/10, Southeast of Loyalty Islands

ISC 19 12:49:06.8,1.0,0.21,72S:168.84E,h0km,mb3.9/8, mbmp3.9/9,ML3.7/1,MS3.1/1,Error ellipse: s-maj=32.9km s-min=22.5km az=164.0

ISC 19 12:49:11.3,0.7,21.66S:0.10x168.76E:0.09,h29km,n36, c=6989/36,mb4.0/10,4C,Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MARNC Mare, Loyalty, PIFNC Pines Island, etc.

ROM 19 12:49:40.7-0.2,44.672N:0.008:10.03E:0.01,h24km,1km, ML2.1/32,1C-3D,Error ellipse: s-maj=1.1km s-min=0.2km az=275.0, Northern Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GRAM Graiana, PRMA PARMA, etc.

1388

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MSSA Maissana, EQUI Equi, etc.

GSCL Gusciola 0.51 128 P AML AML 12 49 51.0 -0.1

GSCL comp=E,182µm,0.6s AML AML

GSCL comp=N,154µm,0.5s AML AML

GORR Gorreto 0.53 263 Pn Pb 12 49 47.7 -3.7

SARO Sassorosso 0.56 151 P Pb 12 49 51.5 -0.4

SARO comp=E,237µm,0.4s AML AML

SARO comp=N,241µm,1.5s AML AML

SARO comp=E,236µm,0.4s AML AML

SARO comp=N,241µm,0.5s AML AML

VLC Villacollemand 0.57 153 P Pb 12 49 51.7 -0.4

VLC comp=N,88µm,0.6s AML AML

VLC comp=N,120µm,1.4s AML AML

PLMA Palmaria, Port 0.63 192 P Pb 12 49 52.9 -0.2

RNCA Ronca, Sant'Ol 0.79 256 Pn Pb 12 50 08.7 +1.3

GNCS Grotte di Boss 0.79 256 Pn Pb 12 49 56.4 0.0

POPM Popiglio 0.82 140 P Pb 12 49 56.3 +0.1

POPM comp=N,124µm,0.6s AML AML

POPM comp=E,97µm,0.6s AML AML

POPM comp=N,97µm,1.4s AML AML

SALO Salir 1.01 20 P Pb 12 49 59.9 +0.4

SALO comp=E,196µm,0.9s AML AML

SALO comp=N,192µm,0.5s AML AML

SALO comp=E,196µm,1.1s AML AML

MDI Monti di Nese 1.13 349 P Pb 12 50 02.0 +0.4

MDI comp=N,86µm,0.8s AML AML

MDI comp=N,86µm,1.2s AML AML

MDI comp=N,103µm,0.4s AML AML

CANO Canova, Maglio 1.36 251 Pn Pb 12 50 05.5 -0.1

RORO Rocca Rossa 1.51 249 Pn Pb 12 50 07.3 -0.8

GNCS Grotte di Boss 1.62 255 Pn Pb 12 49 56.4 0.0

MGRO Montegrosso 1.71 249 Pn Pb 12 50 10.2 +1.0

TRAV Traversella 1.82 298 Pn Pb 12 50 14.0 +0.6

SAOF Saorge 1.90 250 Pn Pb 12 50 13.5 -1.2

ENR Entracque 1.92 258 Pn Pb 12 50 13.8 -1.4

STAS Sant Anna di V 1.98 259 Pn Pb 12 50 14.6 -1.4

TURF Turin 2.02 251 Pn Pb 12 50 15.2 -1.5

PZZ Stroppo 2.09 266 Pn Pb 12 50 17.2 -0.7

SPIF crte de Spivo 2.09 254 Pn Pb 12 50 16.1 +1.8

MVIF Mont Vial 2.21 250 Pn Pb 12 50 18.9 -1.0

PRU 19 12:50:26.9,44.672N:9.90E,h14km

GRU 19 12:50:27.8,44.64N:10.07E,h23km,1km,ML2.5

LDG 19 12:50:27.9,0.1,44.69N:10.02E,h20km,ML2.6/20,Error ellipse: s-maj=2.8km s-min=1.9km az=48.0

ROM 19 12:50:29.1,0.1,44.624N:0.007:10.05E:0.01, h23km,1km,ML2.6/67,Error ellipse: s-maj=0.7km s-min=0.4km az=41.0

ISC 19 12:50:28.0-0.7,44.63N:0.02:9.98E:0.02,h17km,n117, c=221/158,10C-4D,Northern Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GRAM Graiana, EQUI Equi, etc.

SARO	comp=N,1810µm,0.3s	AML	AML				
VLC	comp=E,125µm,1.6s	P	Pb	12 50 39.4 +0.2			
VLC	Villacollemand	S	Sb	12 50 48.0 +1.1			
VLC	Villacollemand	P	Pb	12 50 39.4 +0.2			
VLC		S	Sb	12 50 47.9 +1.1			
VLC	comp=E,431µm,0.5s	AML	AML				
VLC	comp=N,666µm,0.9s	AML	AML				
VLC	comp=E,439µm,0.6s	AML	AML				
VLC	comp=N,676µm,0.8s	AML	AML				
VLC	comp=E,440µm,0.6s	AML	AML				
PLMA	Palmaria, Port	S	Pb	12 50 49.5 -1.1			
PLMA	Palmaria, Port	P	Pb	12 50 40.4 +0.7			
PLMA	comp=E,250µm,1.1s	AML	AML				
PLMA	comp=N,320µm,0.4s	AML	AML				
CARD	Cardoso	0.70 149	S	Sn	12 50 52.3 -1.3		
BDI	Bagni Di Lucca	0.72 142	P	Pb	12 50 42.3 +0.2		
BDI	Bagni Di Lucca	0.72 142	S	Sb	12 50 53.2 -0.8		
BDI	Bagni Di Lucca	0.72 142	P	Pb	12 50 42.3 +0.2		
RNCA	Ronca, Sant'OI	0.75 258	P	Pn	12 50 44.7 +0.9		
RNCA	Ronca, Sant'OI	0.75 258	S	Sb	12 50 56.0 +1.2		
RNCA	Ronca, Sant'OI	0.75 258	P	Pn	12 50 44.8 +0.9		
RNCA	Ronca, Sant'OI	0.75 258	S	Sb	12 50 56.0 +1.2		
RNCA	comp=N,334µm,0.4s	AML	AML				
RNCA	comp=E,258µm,0.6s	AML	AML				
RNCA	comp=N,334µm,1.6s	AML	AML				
RNCA	Ronca, Sant'OI	0.75 258	Sn	Pn	12 50 44.7 +0.9		
RNCA	Ronca, Sant'OI	0.75 258	Sb	Pb	12 50 37.2 -5.4		
ZCCA	Zocca	0.77 111	P	Pg	12 50 42.9 0.0		
ZCCA	comp=E,264µm,1.4s	AML	AML				
ZCCA	comp=N,372µm,1.0s	AML	AML				
ZCCA	comp=N,373µm,1.0s	AML	AML				
ZCCA	comp=E,184µm,0.5s	AML	AML				
ZCCA	comp=N,224µm,1.4s	AML	AML				
MAIM	Mastiano	0.80 153	P	Pn	12 50 45.4 +0.9		
MAIM	Mastiano	0.80 153	S	Sb	12 50 55.5 -0.6		
POPPI	Popiglio	0.81 136	P	Pn	12 50 44.1 -0.5		
POPPI	comp=N,273µm,0.2s	AML	AML				
POPPI	comp=E,262µm,0.3s	AML	AML				
POPPI	comp=E,262µm,1.7s	AML	AML				
MTRC	Monte La Croce	0.95 129	P	Pn	12 50 46.4 -0.2		
MTRC	Monte La Croce	0.95 129	P	Pn	12 50 46.4 -0.2		
MTRC	comp=E,170µm,1.0s	AML	AML				
MTRC	comp=N,155µm,1.2s	AML	AML				
MTRC	comp=N,154µm,1.2s	AML	AML				
MTRC	comp=E,170µm,1.0s	AML	AML				
MTRC	comp=N,154µm,0.8s	AML	AML				
SERM	Sermide	1.01 67	S	Sn	12 51 03.7 +2.5		
PCP	Piancastagn	1.03 266	P	Pg	12 50 49.4 +1.5		
PCP	Piancastagn	1.03 266	AML	AML			
PCP	comp=N,184µm,1.0s	AML	AML				
PCP	comp=N,184µm,1.0s	AML	AML				
PCP	comp=E,135µm,0.7s	AML	AML				
PCP	Piancastagn	1.03 266	Sn	Pb	12 50 42.8 -4.6		
SALO	Sair	1.06 21	P	Pg	12 50 48.9 +0.3		
SALO	Sair	1.06 21	S	Sb	12 50 49.1 +0.5		
SALO	Sair	1.06 21	S	Sb	12 51 04.2 +1.7		
SALO	comp=E,476µm,1.2s	AML	AML				
SALO	comp=N,382µm,1.6s	AML	AML				
SALO	comp=E,458µm,1.2s	AML	AML				
SALO	comp=N,392µm,1.6s	AML	AML				
SALO	comp=E,458µm,0.8s	AML	AML				
SALO	comp=E,476µm,0.8s	AML	AML				
SALO	comp=N,392µm,0.4s	AML	AML				
SALO	comp=N,382µm,0.4s	AML	AML				
MOCL	Monte Cuculli	1.06 125	P	Pg	12 50 48.5 0.0		
MOCL	comp=E,138µm,1.5s	AML	AML				
MOCL	comp=N,141µm,0.4s	AML	AML				
MOCL	comp=E,138µm,0.5s	AML	AML				
OPPE	Oppeano	1.09 51	S	Sg	12 51 03.5 +0.3		
CRMI	Carmignano	1.10 139	P	Pg	12 50 51.9 +2.6		
CRMI	Carmignano	1.10 139	AML	AML			
CRMI	comp=E,28µm,1.4s	AML	AML				
CRMI	comp=N,24µm,1.1s	AML	AML				
CRMI	comp=E,28µm,0.6s	AML	AML				
CRMI	comp=N,24µm,0.9s	AML	AML				
MERA	Merate	1.12 339	P	Pg	12 50 51.2 +1.6		
ZONE	Zone	1.14 5	P	Pg	12 50 50.1 +0.1		
ZONE	comp=E,268µm,0.2s	AML	AML				
ZONE	comp=N,253µm,1.3s	AML	AML				
ZONE	comp=N,253µm,0.7s	AML	AML				
MDI	Monti di Nese	1.16 351	P	Pg	12 50 53.3 +2.8		
MDI	Monti di Nese	1.16 351	S	Sg	12 51 07.9 +2.2		
MDI	comp=E,208µm,0.5s	AML	AML				
MDI	comp=N,236µm,0.4s	AML	AML				
MDI	comp=E,208µm,1.5s	AML	AML				
QLNO	Quiliano	1.21 256	P	Pg	12 50 51.9 +0.6		
QLNO	Quiliano	1.21 256	P	Pg	12 50 52.3 +1.0		
QLNO	comp=E,69µm,0.3s	AML	AML				
QLNO	comp=N,78µm,0.5s	AML	AML				
A319A	Santa Luce (PI)	1.23 159	P	Pg	12 50 52.2 +0.5		
MAGA	Magasa	1.23 22	P	Pn	12 50 50.7 +0.1		
MAGA	comp=N,372µm,0.4s	AML	AML				
MAGA	comp=E,792µm,0.5s	AML	AML				
CANO	Canova, Maglio	1.32 252	P	Pg	12 50 53.6 +0.2		
CANO	Canova, Maglio	1.32 252	P	Pg	12 50 53.6 +0.2		
CANO	comp=E,228µm,1.6s	AML	AML				
CANO	comp=N,227µm,1.6s	AML	AML				
CANO	comp=N,227µm,0.4s	AML	AML				
CANO	Canova, Maglio	1.32 252	Sn	Pg	12 50 53.6 +0.2		
TEOL	Teolo	1.41 58	P	Pn	12 50 52.8 -0.1		
TEOL	comp=E,904µm,0.3s	AML	AML				
TEOL	comp=N,738µm,0.5s	AML	AML				
MUGIO	Muggio	1.45 333	P	Pg	12 50 56.0 0.0		
RORO	Rocca Rossa	1.47 250	Sn	Pb	12 50 55.8 +1.0		
MABI	Malga Bissina	1.48 15	S	Sb	12 51 13.3 +0.4		
MABI	comp=E,228µm,0.6s	AML	AML				
MABI	comp=E,228µm,1.4s	AML	AML				

LUSI	comp=N,87µm,1.0s	1.50 27	P	Pn	12 50 54.3 +0.2		
LUSI	Trento, Gardas	1.50 27	P	Pn	12 50 54.3 +0.2		
LUSI	comp=E,296µm,0.7s	AML	AML				
LUSI	comp=N,498µm,0.3s	AML	AML				
DOSS	Dosso del Somm	1.52 34	P	Pb	12 50 55.3 -0.4		
DOSS	Dosso del Somm	1.52 34	P	Pb	12 50 55.7 0.0		
DOSS	comp=N,306µm,0.5s	AML	AML				
DOSS	comp=E,323µm,0.5s	AML	AML				
DOSS	comp=N,253µm,0.3s	AML	AML				
DOSS	comp=E,261µm,0.5s	AML	AML				
DOSS	comp=N,318µm,0.6s	AML	AML				
DOSS	comp=N,253µm,1.7s	AML	AML				
DOSS	comp=E,295µm,0.7s	AML	AML				
GBOS	Grotte di Boss	1.58 257	Sn	Pb	12 50 57.6 +0.8		
IMI	Imperia	1.66 245	P	Pb	12 50 58.8 +0.6		
IMI	comp=E,62µm,0.3s	AML	AML				
IMI	comp=N,101µm,0.4s	AML	AML				
IMI	comp=N,74µm,0.9s	AML	AML				
MGR0	Montegrosso	1.67 250	Sn	Pb	12 50 59.0 +0.7		
CTI	Castel Tesino	1.84 39	P	Pn	12 50 59.1 +0.2		
CTI	comp=E,170µm,0.7s	AML	AML				
CTI	comp=N,200µm,1.2s	AML	AML				
CTI	comp=N,200µm,0.8s	AML	AML				
CTI	comp=E,170µm,1.3s	AML	AML				
RIBO	Ribolla Roccas	1.85 155	S	Sg	12 51 25.9 -1.6		
SAOP	Saorgo	1.85 251	Sn	Pb	12 51 01.6 +0.2		
ENR	Entraque	1.88 259	Sn	Pb	12 51 02.1 +0.2		
TURF	col de Turin	1.97 252	Sn	Pb	12 51 03.6 +0.1		
BADI	Badioli	1.98 124	P	Pg	12 51 04.7 -1.3		
SBF	Sospel	1.98 248	eP	Pn	12 51 02.4 +1.6		
SBF	Sospel	1.98 248	eS	Sb	12 51 21.8 -3.5		
SPIF	crte de Spivo	2.05 255	Sn	Pb	12 51 05.1 +0.3		
PZZ	Stroppio	2.05 268	Sn	Pb	12 51 07.8 +3.0		
MVIF	Mont Val	2.16 251	Sn	Pb	12 51 07.1 +0.4		
PESA	Pesaro	2.17 107	Sg	Sg	12 51 35.2 -2.4		
PGF	Pioggiola	2.20 199	eP	Pn	12 51 04.5 +0.7		
PGF	Pioggiola	2.20 199	eS	Sb	12 51 27.7 -2.9		
PGF	comp=E,2.5nm,0.3s	AML	AML				
MBDF	Montbardon	2.29 274	eP	Pn	12 51 06.6 +1.5		
MBDF	Montbardon	2.29 274	eS	Sb	12 51 29.1 -3.9		
LPG	La Plagne	2.45 292	eP	Pn	12 51 07.9 +0.5		
LPG	La Plagne	2.45 292	eS	Sb	12 51 32.7 -4.4		
LPL	La Plagne	2.47 292	eP	Pn	12 51 08.5 +0.9		
LPL	La Plagne	2.47 292	eS	Sb	12 51 40.1 +2.7		
MMUR	Monte Murano	2.48 118	P	Pg	12 51 14.7 -0.8		
SQTA	Sankt Quirin	2.73 18	ePn	Pn	12 51 13.8 +2.7		
LMR	La Moure	2.82 244	eP	Sn	12 51 13.4 +1.2		
LMR	La Moure	2.82 244	eS	Sb	12 51 41.6 -4.2		
MOTA	Moosalm	2.83 16	Pn	Sn	12 51 14.5 +2.0		
MOTA	comp=E,0.4nm,0.1s	AML	AML				
VINO	Villanova	2.84 54	S	AML	12 51 45.3 -1.0		
VINO	comp=N,59µm,1.6s	AML	AML				
VINO	comp=E,51µm,0.6s	AML	AML				
VINO	comp=N,59µm,0.4s	AML	AML				
WTTA	Wattenberg	2.88 23	ePn	Pn	12 51 15.6 +2.4		
WATA	Walderalm	2.93 22	ePn	Pn	12 51 16.5 +2.7		
LNSS	Leonessa	3.01 131	P	Pn	12 51 14.4 -0.5		
MTRA	Matera	3.10 126	S	Sb	12 52 02.9 +2.5		
SMRF</							

19d 13h

Table with columns: Code, Station Name, Az, Op, Phase, ID, h, m, s, Res, ISC. Includes stations like VIVF Saint-Julien-I, HINF Hinterfeld, CDF Champ du Feu, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, h, m, s, Res, ISC. Includes stations like IDC 19:12:57.24.9, MSFV Nonsavu, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, h, m, s, Res, ISC. Includes stations like DJA 19:13:12.22.0.5, UGM Wanagana, YOGI Yogyakarta, etc.

Text block containing station identifiers and coordinates: IDC 19:13:12.30.7.2.4, NEIC 19:13:12.30.4.1.8, DJA 19:13:12.31.3.0.5, GGMT 19:13:12.32.4.0.3, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, h, m, s, Res, ISC. Includes stations like TNTI Ternate, LUWI Luwuk, MRSI Marisa, etc.

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Main table with columns: KAPI, MMRI, KAMI, etc. Includes station names like Kappang, Maumere, Kuning, etc. and their respective coordinates and phases.

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Table with columns: CMAR, FORT, CHTO, etc. Includes station names like Forrest, Chiang Mai, Kuning, etc. and their respective coordinates and phases.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Main table containing station data for various regions including Indonesia (e.g., Sumatra, Java, Kalimantan), Iran-Iraq border region, and NEIC stations.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for stations in Chile and other regions.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LIFNC LIFOU, OUCEN Ouen Island, N, DZM Mont Dzumac, etc.

JSN 19 15:02:08.0.3.18:32N:76:13W, h15km, MD2.8
SSNC 19 15:02:15.8.1.4.18:22N:76:51W, h1km, 7km, MD2.4,
ML1.6, MW2.4

ISC 19 15:02:10.2.2.1, 18:17N:0.09:76:50W, h2km, 16km,
n10, e0569/16, 2D, Jamaica region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GWJ Greenwith, HO Hope, STH Stony Hill, etc.

IDC 19 15:02:23.8.2.0.18:57S:76:23W, h0km, mb3.8/2,
mbtpm4.0/4, ML4.3/2, MS3.0/4, Error ellipse:
s-maj=94.1km s-min=50.9km az=38.0, Off coast of Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LPAZ La Paz, LVC Limon Verde, LVC Limon Verde, etc.

IDC 19 15:09:00.3.0.3.21:54S:168:70E, h0km, mb5.5/22,
mbtpm5.5/26, ML5.5/4, MS6.1/48, Error ellipse:
s-maj=12.8km s-min=6.2km az=68.0

BJJ 19 15:09:00.0.0.21:54S:168:56E, h10km, mb5.5/80,
mb6.5/81, Ms6.3/93, Ms7.6/108
MOS 19 15:09:00.8.1.1.21:51S:168:60E, h10km, mb6.2/62,
MS6.2/43, Error ellipse: s-maj=8.1km s-min=6.7km
az=124.3

NEIC 19 15:02:09.1.7.21:50S:0:05:168:60E:0.04, h13km, 1km,

mb6.0/44, Ms 20 6.4/690, Mw6.4/55, Mw6.6/72. Error
ellipse: s-maj=9.1km s-min=6.2km az=176.0, Moment
Tensor Solution. Moment tensor: Scale 1018Nm;
Mn-4.74; Mw3.50; Mw1.24; Mw-0.15; Mw-2.11; Mw-0.07;
Fault plane solution: Mw4.76000x1018 NP1:
0.320.180000, 843.990000, -89.700000. NP2:
0.120.760000, 846.020000, -90.290000. Principal axes:
T 4.7672, Pgl1.0000, Azm211.0000; N -0.2233,
Pig0.0000, Azm121.0000; P -7.4440, PIG9.0000,
Azm19.0000.
NEIC 19 15:09:03.3.21:42S:168:50E, h18km, Moment Tensor
Solution. Duration: 1.06s Moment tensor: Scale 1018Nm;
Mn-0.85; Mw3.05; Mw0.50; Mw-0.28; Mw-0.34; Mw-0.62;
Fault plane solution: Mw1.06000x1019 NP1:
0.150.050000, 865.140000, -83.160000. NP2:
0.314.130000, 825.720000, -104.420000. Principal axes:
T 1.0104, PIG20.0000, Azm235.0000; N 0.0965,
PIg6.0000, Azm327.0000; P -1.1068, PIG9.0000,
Azm74.0000.
NEIC 19 15:09:03.3.21:52S:168:61E, h18km
NEIC 19 15:09:03.4.21:51S:168:57E, h18km
IPGP 19 15:09:09.0.0.21:54S:168:53E, h19km, Mw6.4, Fault plane
solution: NP1:0.316.000000, 848.000000, -89.000000. NP2:
0.400.000000, 842.000000, -86.000000. Hypocentre
not reviewed by the ISC.
NOU 19 15:09:04.5.21:44S:168:53E, h11km, ML6.6/196, Loyalty
Islands
BGR 19 15:09:05.5.21:08S:170:46E, h33km
GCMT 19 15:09:09.0.0.21:44S:168:55E, h12km, Mw6.5/175,
Moment Tensor Solution. s167.c408; s175.c762;
Duration: 4s2 Moment tensor: Scale 1018Nm;
Mn-6.20E+02; Mw2.29E+02; Mw3.91E+02; Mw-0.22E+05;
Mw-2.89E+02; Mw1.82E+05; Best double couple:
Mw6.41000x1018 NP1:0.151.000000, 863.000000,
-86.000000. NP2:0.315.000000, 830.000000,
-82.000000. Principal axes: T 6.3040, PIG2.0000,
Azm234.0000; N 0.2240, PIG10.0000, Azm325.0000; P
-6.5290, PIG7.0000, Azm101.0000. nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface/mantle
waves, cutoff=50s. Triangular moment-rate function
ISC 19 15:09:03.1.0.3.21:54S:0:03:168:67E:0.03, h16km, 16km,
h16km; pp-P, 2283, e1892/1948, mb6.0/327, MS6.3/462,
101C-157D, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, OUCEN Ouen Island, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, PKGZ Pakhira, KHEZ Kahui Hut, etc.

Table with columns for station name, frequency, power, and signal quality. Includes stations like SMRI Semarang, KKM Kota Kinabalu, and QSPA South Pole Qui.

Table with columns for station name, frequency, power, and signal quality. Includes stations like QSPA South Pole Qui, QSPA, HKPS Hong Kong Po S, and QZHA.

Table with columns for station name, frequency, power, and signal quality. Includes stations like WHN Wuhan, USAOB, USR, and GYA.

19d 15h

Table with columns for station name, frequency, power, and signal strength. Includes stations like NIKH, BINXIAN, SRDT, LYN, GORNY, HONGSHAN, BEIJING, AKUT, CRAI, CM31, CMAR, KMI, CHTO, TIY, PAF, XAN, BELA, HEH.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like HEH, SPIA, PZH, CNBA, SDPT, XLT, CD2, HHC, TNCH, CHGN, BTO, CHIR, HIA, MND, ZEA, R16K, ELIB, SII, LZH.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like R17K, M11K, O14K, O15K, R18K, N14K, M13K, Q17K, P16K, Q16K, PMSA, SEY, SEY, SEY, N15K, O16K, O16K, Q18K, KDAK, KDAK, KDAK, KDAK, KDAK, M14K, M14K, P17K, M15K, O17K, L14K, L14K, L14K, P18K, P18K, Q19K, Q19K, Q20K, SYI, TROLL, O18K, L15K, M16K, M16K, N17K, N17K, GAMB, NVL, NVL, NVL, P19K, P19K, L16K, L16K, N18K, N18K, O19K, O19K, J14K, J14K, K15K, K15K, SNA, SNA, SNA, SNA, SNA, SNA, ILSW, ILSW, M17K, M17K.

19d 15h

GRAC	Grapevine Rang	90.74	50	P	P	15 22 03.4	-2.0
PALK	Pallekele	90.75	277	P	P	15 22 05.0	-1.1
PALK	Pallekele	90.75	277	P	P	15 22 05.0	-1.1
PALK	Pallekele	90.75	277	P	P	15 22 05.0	-1.1
MESA	MESA	90.76	22	IAMS_20	IAMS_20	15 53 44.5	
MESA	MESA	90.76	22	P	P	15 22 04.9	-0.3
CRQM	Cirque	90.76	21	IAMB	IAMB	15 22 35.2	
M24K	Tolsona, Glenn	90.77	19	P	P	15 22 05.5	+0.6
M24K	Tolsona, Glenn	90.77	19	P	P	15 22 04.0	-1.0
CRQE	Cirque	90.77	21	P	P	15 22 02.4	-2.7
H19K	Roundabout Mou	90.78	14	IAMS_20	IAMS_20	15 56 32.5	
H19K	Roundabout Mou	90.78	14	P	P	15 22 04.1	-0.8
NV11	Mina Array Sit	90.82	49	IAMB	IAMB	15 22 24.0	
FURC	Furnace Creek	90.86	51	P	P	15 22 06.4	+0.5
GWY	Greenwater Val	90.88	51	IAMB	IAMB	15 22 24.1	
LPIG	La Paz	90.89	65	LR	LR	15 53 22.9	
N25K	Chitina, Valde	90.89	20	IAMS_20	IAMS_20	15 58 56.9	
N25K	Chitina, Valde	90.89	20	P	P	15 22 03.0	-2.7
ISLE	Juniper Island	90.92	22	IAMB	IAMB	15 22 22.3	
ISLE	Juniper Island	90.92	22	IAMS_20	IAMS_20	15 59 07.8	
BPAW	Bear Paw Mtn.	90.93	17	IAMS_20	IAMS_20	15 59 58.6	
BPAW	Bear Paw Mtn.	90.93	17	P	P	15 22 01.5	-4.2
PLTX	Planet X, Gerl	90.97	46	IAMB	IAMB	15 22 27.6	
RND	Reindeer	90.97	18	IAMS_20	IAMS_20	16 01 00.6	
K05A	Summer Lake	90.98	44	IAMB	IAMB	15 22 39.1	
VRDI	Verde Repeater	90.99	21	IAMB	IAMB	15 22 22.9	
VRDI	Verde Repeater	90.99	21	IAMS_20	IAMS_20	15 53 49.6	
GMRC	Granite Mounta	91.01	53	P	P	15 22 07.3	+0.4
J05D	Fort Rock, OR	91.03	43	IAMB	IAMB	15 22 15.6	
GLB	Gilahina Butte	91.03	21	IAMB	IAMB	15 22 22.9	
SLBS	Sierra La Lagu	91.03	65	P	P	15 22 07.7	+0.6
E17K	Hotham Inlet	91.06	11	P	P	15 22 05.7	-0.5
TUQU	Turquoise Moun	91.10	52	P	P	15 22 04.1	-3.2
H20K	Anotleneega Mo	91.11	14	P	P	15 22 05.6	-0.9
H04A	Detroit Lake	91.11	42	IAMB	IAMB	15 22 32.2	
YU02	Yakutat	91.12	24	IAMS_20	IAMS_20	15 53 09.2	
IRM	Iron Mountain	91.13	54	P	P	15 22 07.5	+0.1
DHY	Denali Highway	91.14	18	IAMS_20	IAMS_20	15 58 14.3	
DHY	Denali Highway	91.14	18	P	P	15 22 05.4	-1.4
KVN	Kaiserriev	91.14	48	IAMB	IAMB	15 22 32.9	
BOD	Bodaibo	91.15	334	eP	P	15 22 06.0	-0.8
BOD	Bodaibo	91.15	334	P	P	15 22 06.0	-0.8
G19K	Purcell Mounta	91.17	13	IAMS_20	IAMS_20	15 55 31.7	
G19K	Purcell Mounta	91.17	13	P	P	15 22 04.4	-2.3
WCT	Wildcat Mounta	91.18	51	IAMB	IAMB	15 22 28.5	
CRAG	Craig	91.19	29	P	P	15 22 08.6	+1.6
CRAG	Craig	91.19	29	P	P	15 22 03.9	-3.1
MCK	McKinley	91.20	17	P	P	15 22 05.1	-1.8
GRNC	Granite Creek	91.22	22	IAMB	IAMB	15 22 23.3	
SIT	Sitka	91.22	27	P	P	15 22 04.0	-3.1
TABL	Table Mountain	91.23	22	IAMS_20	IAMS_20	15 53 59.9	
MCARA	McCarthy VSAT	91.25	21	IAMB	IAMB	15 22 38.0	
MCARA	McCarthy VSAT	91.25	21	P	P	15 22 06.9	-0.3
SLGI	Shilguri	91.26	298	eP	x	15 22 11.0	
F04D	Rainier, OR	91.30	40	P	P	15 22 07.7	0.0
HARP	HAARP	91.30	20	P	P	15 22 06.8	-0.6
MALK	Mahakanadarawa	91.31	278	P	P	15 22 08.1	-0.5
PINM	Pinnacle	91.31	23	P	P	15 22 05.4	-2.1
PNNL	Peninsula	91.33	24	P	P	15 22 07.6	0.0
D17K	Noatak River	91.40	10	P	P	15 22 07.8	+0.1
BWN	Browne	91.40	17	IAMS_20	IAMS_20	15 56 42.2	
BLYC	Blythe	91.42	54	IAMB	IAMB	15 22 27.6	
S31K	Pelican	91.43	26	IAMB	IAMB	15 22 26.9	
S31K	Pelican	91.43	26	P	P	15 22 07.7	-0.3
BCPM	Bancas Point	91.44	23	IAMS_20	IAMS_20	15 53 53.5	
PINE	Pine Mountain	91.46	43	IAMB	IAMB	15 22 34.8	
I05D	Terrebonne, OR	91.47	42	IAMB	IAMB	15 22 40.8	
BARN	Barnard Glacie	91.48	22	IAMB	IAMB	15 22 27.3	
TPNV	Topopah Spring	91.52	51	IAMS_20	IAMS_20	15 53 47.4	
TPNV	Topopah Spring	91.52	51	P	P	15 22 09.2	-0.1
CTG	Chitina Glacier	91.53	22	P	P	15 22 07.8	-0.8
CTGM	Chitina Glacier	91.53	22	IAMB	IAMB	15 22 25.4	
CRZF	Crozet Islands	91.53	218	IAMS_20	IAMS_20	15 59 50.7	
LOGN	Logan Glacier	91.55	22	IAMB	IAMB	15 22 26.9	
LOGN	Logan Glacier	91.55	22	IAMS_20	IAMS_20	15 52 09.3	
I21K	Tanana	91.55	16	IAMS_20	IAMS_20	15 58 05.8	
I21K	Tanana	91.55	16	P	P	15 22 08.2	-0.2
C16K	Lisburne Hills	91.56	9	P	P	15 22 07.9	-0.5
E18K	Tukpahleark C	91.58	11	IAMS_20	IAMS_20	15 56 08.5	
E18K	Tukpahleark C	91.58	11	P	P	15 22 07.8	-0.8
F04A	Amboy	91.58	41	IAMB	IAMB	15 22 49.1	
U33K	Whale Pass	91.59	28	P	P	15 22 08.7	-0.1
U33K	Whale Pass	91.59	28	IAMB	IAMB	15 22 18.6	
R11B	Whale Pass	91.59	28	P	P	15 22 09.0	+0.2
113A	Mohawk Valley,	91.59	55	IAMB	IAMB	15 22 27.6	

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F19K	Shalerucik Mo	91.62	13	IAMS_20	IAMS_20	15 56 31.5	
F19K	Shalerucik Mo	91.62	13	P	P	15 22 07.6	-1.1
PAX	Paxson	91.63	19	P	P	15 22 06.5	-2.5
BBB	Bella Bella	91.68	33	LR	LR	15 56 33.6	
H21K	Melozitna Rive	91.73	15	IAMS_20	IAMS_20	15 57 52.7	
H21K	Melozitna Rive	91.73	15	P	P	15 22 08.5	-0.9
MLY	Manley	91.74	16	IAMS_20	IAMS_20	15 57 52.0	
MLY	Manley	91.74	16	P	P	15 22 07.9	-1.5
HOOD	Mount Hood Mea	91.75	41	IAMB	IAMB	15 22 36.2	
NEE2	Needles Airpor	91.78	53	P	P	15 22 09.8	-0.5
V35K	Ketchikan	91.79	30	IAMB	IAMB	15 22 20.2	
V35K	Ketchikan	91.79	30	IAMS_20	IAMS_20	15 54 01.0	
V35K	Ketchikan	91.79	30	P	P	15 22 08.8	-1.0
O28M	Mount Upton	91.80	22	P	P	15 22 07.1	-3.0
SS2K	Killisnoo	91.80	27	P	P	15 22 08.2	-1.6
NEA2	Nenana	91.84	17	P	P	15 22 08.3	-1.5
ZAK	Zakamensk	91.84	324	eP	P	15 22 10.0	-0.3
ZAK	Zakamensk	91.84	324	P	P	15 22 10.0	-0.3
R31K	City Hall, Gus	91.92	26	P	P	15 22 08.8	-1.5
P29M	Windy Craggy	91.93	24	IAMB	IAMB	15 22 20.0	
P29M	Windy Craggy	91.93	24	P	P	15 22 09.4	-1.0
PDMCI	Parker Dam,Lak	91.94	54	P	P	15 22 09.5	-1.5
M26K	Nabesna, AK	91.99	20	IAMS_20	IAMS_20	15 54 60.0	
M26K	Nabesna, AK	91.99	20	P	P	15 22 09.9	-0.7
214A	Organ Pipe Nat	91.99	56	IAMB	IAMB	15 22 21.9	
214A	Organ Pipe Nat	91.99	56	P	P	15 22 09.2	-2.2
WRH	Wood River Hill	92.01	17	IAMS_20	IAMS_20	15 56 59.2	
V12A	Nelson	92.01	52	IAMB	IAMB	15 22 32.4	
O29M	Mount Kennedy	92.06	23	IAMS_20	IAMS_20	15 54 14.1	
O29M	Mount Kennedy	92.06	23	P	P	15 22 09.4	-1.7
C17K	DeLong Mountai	92.08	10	P	P	15 22 10.6	-0.3
T33K	Petersburg	92.09	28	P	P	15 22 10.1	-1.0
WRAK	Wrangell Islan	92.11	28	IAMS_20	IAMS_20	15 54 32.5	
WRAK	Wrangell Islan	92.11	28	IAMB	IAMB	15 22 21.4	
WRAK	Wrangell Islan	92.11	28	P	P	15 22 07.6	-3.6
MENT	Mentasta	92.15	20	IAMS_20	IAMS_20	15 58 03.1	
MENT	Mentasta	92.15	20	P	P	15 22 13.6	+2.2
K24K	Donner Dome	92.16	18	P	P	15 22 08.2	-3.1
S11A	Rachel	92.18	50	IAMB	IAMB	15 22 33.0	
I23K	Minto, Yukon-K	92.19	16	IAMS_20	IAMS_20	15 59 40.0	
I23K	Minto, Yukon-K	92.19	16	P	P	15 22 08.9	-2.5
CCB	Clear Creek Bu	92.22	17	IAMS_20	IAMS_20	15 57 15.8	
F20K	Avarart Lake	92.23	13	IAMB	IAMB	15 22 23.0	
F20K	Avarart Lake	92.23	13	IAMS_20	IAMS_20	15 57 12.5	
F20K	Avarart Lake	92.23	13	P	P	15 22 09.6	-2.0
E19K	Redstone Rive	92.27	12	IAMB	IAMB	15 22 23.4	
E19K	Redstone Rive	92.27	12	P	P	15 22 10.2	-1.5
H22K	Ishlaltina Cre	92.27	15	P	P	15 22 10.8	-1.0
G21K	Allakaket	92.28	14	IAMB	IAMB	15 22 31.2	
G21K	Allakaket	92.28	14	IAMS_20	IAMS_20	15 56 04.9	
G21K	Allakaket	92.28	14	P	P	15 22 10.6	-1.2
HDA	Harding Lake	92.28	18	IAMB	IAMB	15 22 29.3	
HDA	Harding Lake	92.28	18	IAMS_20	IAMS_20	16 01 51.4	
HDA	Harding Lake	92.28	18	P	P	15 22 11.0	-0.9
YU08	Steele Glacier	92.30	22	P	P	15 22 10.0	-2.4
WVOR	Wild Horse Val	92.31	45	IAMB	IAMB	15 22 41.4	
IRK	Irkutsk	92.32	326	eP	P	15 22 11.5	-0.8
IRK	Irkutsk	92.32	326	P	P	15 25 48.4	
M27K	Edge Creek, AK	92.33	21	IAMB	IAMB	15 22 29.3	
M27K	Edge Creek, AK	92.33	21	P	P	15 22 10.6	-1.7
R32K	Eaglecrest	92.33	26	P	P	15 22 11.8	-0.4
L26K	Log Cabin Wild	92.33	20	IAMS_20	IAMS_20	15 58 08.9	
L26K	Log Cabin Wild	92.33	20	P	P	15 22 11.5	-0.7
G06A	Canon Farm	92.34	42	IAMB	IAMB	15 22 37.3	
MDM	Murphy Dome	92.35	17	IAMS_20	IAMS_20	15 55 36.1	
LON	Longmire	92.35	40	IAMB	IAMB	15 22 37.8	

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SZCU	Shurtz Canyon	94.08	51	Iamb	Iamb	15 22 43.2
L29M	L29M	94.10	21	Iamb	Iamb	15 22 30.1
L29M	L29M	94.10	21	P	P	15 22 19.0 -1.4
VJD	Vijayawada	94.14	286	eP	x	15 22 20.2 -1.3
U15A	North Rim	94.19	53	Iamb	Iamb	15 22 41.0
C21K	Knifeflade Rd	94.19	12	P	P	15 22 16.4 -4.2
M30M	Minto, Yukon	94.21	22	Iamb	Iamb	15 22 29.6
M30M	Minto, Yukon	94.21	22	IAMS_20	IAMS_20	15 58 12.8
M30M	Minto, Yukon	94.21	22	P	P	15 22 16.6 -4.3
P33M	Teslin, Yukon	94.21	25	P	P	15 22 19.3 -1.7
D08A	Wollman Farm,	94.25	41	P	P	15 22 21.2 -0.1
EGAK	Eagle	94.26	19	Iamb	Iamb	15 22 39.8
EGAK	Eagle	94.26	19	P	P	15 22 16.8 -4.2
G25K	Bearman Lake	94.30	16	P	P	15 22 17.4 -3.6
DLBC	Dease Lake	94.32	28	Iamb	Iamb	15 22 31.7
DLBC	Dease Lake	94.32	28	P	P	15 22 18.2 -3.3
DLBC	Dease Lake	94.32	28	LR	LR	15 55 40.2
DAWY	Dawson	94.33	20	P	P	15 22 18.7 -2.7
FYU	Fort Yukon	94.38	17	IAMS_20	IAMS_20	15 58 32.7
D22K	Aiyikyak River	94.40	13	Iamb	Iamb	15 22 41.0
D22K	Aiyikyak River	94.40	13	IAMS_20	IAMS_20	15 58 31.9
D22K	Aiyikyak River	94.40	13	P	P	15 22 17.3 -4.2
F24K	Squaw Lake	94.42	15	Iamb	Iamb	15 22 37.0
F24K	Squaw Lake	94.42	15	IAMS_20	IAMS_20	16 00 26.6
F24K	Squaw Lake	94.42	15	P	P	15 22 16.9 -4.8
E23K	Chandler	94.42	15	P	P	15 22 18.5 -3.3
B20K	Meade River	94.46	11	IAMS_20	IAMS_20	15 58 03.5
B20K	Meade River	94.46	11	P	P	15 22 17.6 -4.2
R33M	Jennings River	94.48	26	Iamb	Iamb	15 22 32.5
R33M	Jennings River	94.48	26	P	P	15 22 19.4 -2.9
WUAZ	Wupatki	94.51	54	Iamb	Iamb	15 22 43.4
WUAZ	Wupatki	94.51	54	IAMS_20	IAMS_20	15 55 40.9
WUAZ	Wupatki	94.51	54	P	P	15 22 19.7 -3.4
319A	Douglas	94.53	58	P	P	15 22 21.9 -1.3
319A	Douglas	94.53	58	Iamb	Iamb	15 22 41.5
B21K	Ikpiqpuq River	94.62	12	Iamb	Iamb	15 22 41.8
B21K	Ikpiqpuq River	94.62	12	IAMS_20	IAMS_20	15 59 55.6
B21K	Ikpiqpuq River	94.62	12	P	P	15 22 20.4 -2.1
SALM	Salem	94.62	281	eP	P	15 22 23.4 -0.4
SALM	Salem	94.62	281	Iamb	Iamb	15 22 29.4
N32M	Quiet Lake	94.68	24	P	P	15 22 22.2 -0.8
E24K	Your Creek	94.70	15	IAMS_20	IAMS_20	16 00 06.9
E24K	Your Creek	94.70	15	P	P	15 22 19.8 -3.2
I27K	Kandik River	94.70	19	P	P	15 22 22.6 -0.5
K29M	Barlow Dome	94.79	21	Iamb	Iamb	15 22 33.2
K29M	Barlow Dome	94.79	21	IAMS_20	IAMS_20	15 55 59.1
K29M	Barlow Dome	94.79	21	P	P	15 22 22.9 -0.7
KOD	Kodaikalan	94.80	279	eP	P	15 22 25.1 +0.1
M31M	Drury Creek, Y	94.84	23	P	P	15 22 20.5 -3.2
TOLK	Toolik Lake Re	94.89	14	IAMS_20	IAMS_20	15 57 51.0
TOLK	Toolik Lake Re	94.89	14	P	P	15 22 22.8 -1.0
D23K	Nanushuk River	94.90	14	P	P	15 22 22.6 -1.3
LL02	Futaleuf	95.45	140	P	P	15 22 23.8 -1.1
F25K	Christian River	95.04	16	P	P	15 22 22.4 -2.2
G26K	Porcupine River	95.05	17	P	P	15 22 20.3 -4.2
I28M	Miner Creek	95.10	19	Iamb	Iamb	15 22 42.9
I28M	Miner Creek	95.10	19	IAMS_20	IAMS_20	16 00 30.0
I28M	Miner Creek	95.10	19	P	P	15 22 20.6 -4.4
H27K	Steamboat Moun	95.17	18	P	P	15 22 20.4 -4.8
MAYO	Mayo, Yukon	95.19	22	IAMS_20	IAMS_20	15 58 54.5
MAYO	Mayo, Yukon	95.19	22	P	P	15 22 23.1 -2.2
VAR	Varanasi	95.23	295	eP	P	15 22 24.7 -1.7
FARO	Faro, Yukon	95.24	24	Iamb	Iamb	15 22 43.0
FARO	Faro, Yukon	95.24	24	P	P	15 22 22.8 -2.8
DUG	Dugway, Tooele	95.32	49	P	P	15 22 25.4 -1.2
H03S2	Juan Fernandez	95.34	129	T	T	17 08 25.6
H03S1	Juan Fernandez	95.35	129	T	T	17 08 29.1
H03S3	Juan Fernandez	95.36	129	T	T	17 08 24.1
B22K	Teshekpuk Lake	95.44	12	Iamb	Iamb	15 22 45.3
B22K	Teshekpuk Lake	95.44	12	IAMS_20	IAMS_20	15 58 45.5
B22K	Teshekpuk Lake	95.44	12	P	P	15 22 24.7 -1.6
E25K	Arctic Village	95.45	16	Iamb	Iamb	15 22 45.4
E25K	Arctic Village	95.45	16	IAMS_20	IAMS_20	16 00 57.9
E25K	Arctic Village	95.45	16	P	P	15 22 26.6 +0.2
D24K	Happy Valley	95.46	14	Iamb	Iamb	15 22 43.5
D24K	Happy Valley	95.46	14	P	P	15 22 24.3 -2.1
F26K	Sheenjek River	95.50	16	P	P	15 22 26.8 +0.2
H03N3	Juan Fernandez	95.53	129	T	T	17 08 33.0
H03N2	Juan Fernandez	95.54	129	T	T	17 08 35.2
G27K	Doyon Strip	95.54	18	IAMS_20	IAMS_20	16 01 05.6
G27K	Doyon Strip	95.54	18	P	P	15 22 25.2 -1.7
I29M	Ogilvie Camp,	95.50	20	Iamb	Iamb	15 22 45.5
I29M	Ogilvie Camp,	95.50	20	IAMS_20	IAMS_20	16 00 16.8
I29M	Ogilvie Camp,	95.50	20	P	P	15 22 26.4 -0.5
H03N1	Juan Fernandez	95.55	129	T	T	17 08 35.3
HL1D	Hailey	95.59	45	P	P	15 22 27.9 +0.1
W18A	Petrified Fore	95.60	55	P	P	15 22 26.6 -1.5

C23K	Itkillik River	95.61	13	P	P	15 22 23.9 -3.2
J30M	Hart River	95.67	21	P	P	15 22 25.3 -2.3
A21K	Barrow	95.68	11	P	P	15 22 27.3 0.0
A22K	Sinclair Lake	95.70	11	P	P	15 22 23.7 -3.7
NLU	North Lily Min	95.75	49	P	P	15 22 28.3 -0.4
WTLY	Watson Lake, Y	95.79	27	P	P	15 22 28.2 0.0
NEW	Newport	95.87	40	P	P	15 22 25.8 -3.0
NEW	Newport	95.87	40	LR	LR	15 59 25.4
HMU	Henry Mountain	95.92	52	Iamb	Iamb	15 22 40.8
C24K	Franklin Bluff	95.93	14	P	P	15 22 23.2 -5.3
I30M	Mount Dempster	96.07	20	Iamb	Iamb	15 22 47.9
I30M	Mount Dempster	96.07	20	P	P	15 22 26.5 -2.9
H29M	Whitestone	96.10	19	Iamb	Iamb	15 22 37.0
H29M	Whitestone	96.10	19	IAMS_20	IAMS_20	16 01 49.4
H29M	Whitestone	96.10	19	P	P	15 22 26.1 -3.3
121A	Cookes Peak, D	96.14	58	P	P	15 22 28.7 -1.9
D25K	Kavik River	96.15	15	Iamb	Iamb	15 22 48.0
D25K	Kavik River	96.15	15	IAMS_20	IAMS_20	15 58 26.5
D25K	Kavik River	96.15	15	P	P	15 22 27.9 -1.7
HYB	Hyderabad	96.33	286	eP	P	15 22 30.9 -0.7
HYB	Hyderabad	96.33	286	IvMB_BB	IvMB_BB	15 57 09.2
HYB	Hyderabad	96.33	286	IvMS_BB	IvMS_BB	15 57 09.2
SRU	San Rafael Swe	96.53	51	PKKpP	PKKpP	15 39 16.7 -2.5
E27K	Coleen River	96.56	17	Iamb	Iamb	15 22 50.3
E27K	Coleen River	96.56	17	IAMS_20	IAMS_20	15 59 27.5
E27K	Coleen River	96.56	17	P	P	15 22 27.0 -4.4
LIRD	Liard River Hi	96.56	28	P	P	15 22 29.5 -2.1
F28M	Old Crow	96.60	18	IAMS_20	IAMS_20	16 00 30.6
F28M	Old Crow	96.60	18	P	P	15 22 27.8 -3.8
G29M	Pine Creek	96.66	19	Iamb	Iamb	15 22 50.1
G29M	Pine Creek	96.66	19	IAMS_20	IAMS_20	16 02 08.3
G29M	Pine Creek	96.66	19	P	P	15 22 27.1 -4.9
TCUT	Toone Canyon	96.67	48	Iamb	Iamb	15 22 51.9
EPYK	Eagle Plains	96.70	19	Iamb	Iamb	15 22 57.6
EPYK	Eagle Plains	96.70	19	P	P	15 22 28.9 -3.3
HWUT	Hardware Ranch	96.75	48	IAMS_20	IAMS_20	15 56 29.6
TGTN	Hyland Airport	96.79	25	P	P	15 22 29.3 -3.4
TIXI	Tiksi	96.87	348	P	P	15 22 30.9 -1.8
TIXI	Tiksi	96.87	348	IvMB_BB	IvMB_BB	15 22 31.1 -1.6
TIXI	Tiksi	96.87	348	LR	LR	16 01 51.4
C26K	Camden Bay	96.94	15	P	P	15 22 31.5 -1.6
PLCA	Paso Flores	97.17	139	eP	Pdf	15 22 38.2 +3.0
PLCA	Paso Flores	97.17	139	P	P	15 22 34.8 -0.4
PLCA	Paso Flores	97.17	139	LR	LR	16 00 57.5
MSO	Missoula	97.23	42	IAMS_20	IAMS_20	15 57 35.9
MSO	Missoula	97.23	42	P	P	15 22 34.0 -1.1
BRCI	Bairach	97.23	297	eP	x	15 22 33.3 -2.2
G30M	taoh Zraii Nji	97.25	19	P	P	15 22 32.7 -1.9
G30M	taoh Zraii Nji	97.25	19	P	P	15 22 33.8 -0.9
GO06	Curarehue	97.27	137	P	P	15 22 35.1 -0.6
GO06	Curarehue	97.27	137	Iamb	Iamb	15 22 47.3
Y22A	Socorro	97.29	57	P	Pdf	15 22 37.4 +1.5
MVCO	Mesa Verde	97.30	53	IAMS_20	IAMS_20	15 56 57.7
MVCO	Mesa Verde	97.30	53	P	P	15 22 34.9 -1.0
E28M	Babbage River	97.37	17	Iamb	Iamb	15 22 43.3
E28M	Babbage River	97.37	17	IAMS_20	IAMS_20	16 01 05.8
E28M	Babbage River	97.37	17	P	P	15 22 30.7 -4.4
Y22D	IRIS PASSCAL I	97.37	56	IAMS_20	IAMS_20	15 59 47.8
Y22D	IRIS PASSCAL I	97.37	56	P	P	15 22 32.1 -4.0
Y22F	Passcal Instru	97.37	56	P	P	15 22 32.1 -4.0
D27M	Malcolm River	97.43	16	P	P	15 22 35.1 -0.4
D27M	Malcolm River	97.43	16	Iamb	Iamb	15 22 53.3
D27M	Malcolm River	97.43	16	IAMS_20	IAMS_20	16 00 11.1
D27M	Malcolm River	97.43	16	P	P	15 22 31.5 -3.9
HDMJ	Hanimaadhooh	97.53	274	P	P	15 22 35.7 -1.4
HDMJ	Hanimaadhooh	97.53	274	Iamb		

19d 15h

Table with columns: Station, Frequency, Power, Direction, and other technical details. Includes stations like DGMT Dagmar, UZBT Dagny, and many others.

2017 NOV

Table with columns: Station, Frequency, Power, Direction, and other technical details. Includes stations like GLMI Grayling, DWPF Disney Wildern, and many others.

1400

Table with columns: Station, Frequency, Power, Direction, and other technical details. Includes stations like UMMG Ummannaq, BELG Betogornye, and many others.

Table with columns: MORC, CHOS, DJES, OSTC, etc. and rows listing various locations and their associated data points.

Table with columns: VAY, THEUB, MORH, etc. and rows listing various locations and their associated data points.

Table with columns: OBKA, TREB, A25AA, etc. and rows listing various locations and their associated data points.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KHC Kasperke Hory, GERES GERESS Array B, ARSA Arzberg, etc.

19d 15h: 19:47.9-0.7, 21:39S-168:84E, h0km, MLV5.2/5, Loyalty Islands. BGR 19 15:19:49.8, 26:25S-163:48E, h26km. NEIC 19 15:19:50.4, 1.6, 21:53S-168:58E, h0.03, h6km, 4km, mb5.0/35, Error ellipse: s-maj=11.8km s-min=3.3km az=184.0.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, LIFNC LIFOU, PINNC Pines Island, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHTO Belgrano 2, BELA Belgrano 2, TROLL Troll, Antarti, etc.

AFAD 19 15:24:20.0, 2.0, 36:40N-43:93E, h7km, 3km, ML2.8. ISN 19 15:24:31.5, 0.3, 35:91N-44:13E, h25km, ML2.7. ISN 19 15:24:16.9, 1.3, 36:26N-0:06-43:83E, 0:08, h10km, n9, az=175.0.

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

19d 15:26:48.8, 1.2, 21:81S-168:79E, h0km, mb3.9/4, mbmp3.9/5, ML4.0/1, Error ellipse: s-maj=41.5km s-min=26.3km az=166.0.

NEIC 19 15:26:48.2, 2.3, 21:52S-168:87E, 0:03, h9km, 8km, mb4.2/3, Error ellipse: s-maj=13.3km s-min=3.9km az=175.0.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, LIFNC LIFOU, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EIDS Eidsvold, AFI Afiamalu, WRO Warramunga Arr, etc.

19d 15:28:19.0, 5.2, 19:52S-174:32W, h0km, mb4.0/3, mbmp4.0/3, Error ellipse: s-maj=226.0km s-min=73.0km az=149.0, Tonga Islands.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, CMAR Chiang Mai Arr, etc.

19d 15:29:26.1, 2.6, 21:97S-168:81E, h0km, mb4.0/3, mbmp3.9/4, ML3.8/1, Error ellipse: s-maj=128.4km s-min=26.4km az=162.0.

NEIC 19 15:29:29.3, 0.9, 21:6S-0:1, 168:66E-0:05, h9km, 6km, mb4.5/10, Error ellipse: s-maj=18.4km s-min=5.2km az=190.0.

19d 15:29:30.5, 1.0, 21:60S-168:60E, 0:09, h20km, n24, az=187.25, mb4.3/9, Loyalty Islands.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, etc.

19d 15:35:09.5, 2.6, 20:79S-168:30E, h0km, mb3.8/4, mbmp3.8/5, ML3.4/1, Error ellipse: s-maj=109.3km s-min=24.2km az=139.0.

19d 15:35:14.0, 2.0, 20:35S-168:30E, 0:04, h30km, n10, az=184/11, mb3.7/4, Loyalty Islands.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MTN Manton Dam, FOR Forest, KNRA Kununurra, etc.

19d 15:38:30.2, 3.7, 0:46N-122:86E, h136km, 33km, mb3.1/4, mbmt3.4/4, Error ellipse: s-maj=150.9km s-min=18.1km az=66.0, Minahasa Peninsula, Sulawesi.

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

1405

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SOMM Songoing Array, MKAR Makanchi Array, WEL 19 15:39:54.0,1.5, 35'S, 30'W, etc.

IDC 19 15:40:23.0,3.5,21.79S;168.78E,h0km,mb3.8/3, mbmp3.9/4,ML4.4/1, Error ellipse: s-maj=143.5km s-min=33.0km az=159.0

NEIC 19 15:40:24.7,1.8,21.8S;0.1,168.58E;0.08,h6km,6km, mb4.2/12, Error ellipse: s-maj=19.7km s-min=5.4km az=210.0

ISC 19 15:40:26.0,0.9,21.71S;0.09,168.59E;0.08,h20km,n24, a1925/20,mb4.1/3,Loyalty Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MARNC Mare, Loyalty, ONTNC Ouen Toro, etc.

IDC 19 15:41:25.0,5.0,21.55S;168.74E,h0km,mb4.2/10, mbmp4.2/11,ML4.4/1, Error ellipse: s-maj=26.5km s-min=19.9km az=157.0

NEIC 19 15:41:28.4,1.9,21.31S;0.06,168.64E;0.04,h10km,1km, mb4.6/27, Error ellipse: s-maj=11.3km s-min=5.8km az=328.0

ISC 19 15:41:29.2,0.5,21.36S;0.07,168.62E;0.06,h20km,n70, a094/67,mb4.6/18,4D,Loyalty Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MARNC Mare, Loyalty, ONTNC Ouen Toro, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WRAB Tennant Creek, WRA Warramunga Arr, AS31 Alice Springs, etc.

ATH 19 15:42:47.8,39.66N,21.58E,h24km,4km,ML1.9/2, Error ellipse: s-maj=4.5km s-min=1.3km az=11.0, Greece

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like EVR Evrytania, TRIZ Trizonia, etc.

LJU 19 15:43:04.3,45.48N,16.08E,h22km,ML2.3 BEO 19 15:43:05.1,0.3,45.49N;16.09E,h5km,3km,ML3.1/14 RHSSO 19 15:43:05.1,0.2,45.44N;16.09E,h3km,1km,ML3.2/26 PRU 19 15:43:07.0,4.5,57N;16.15E,h25km KRSSO 19 15:43:07.0,1.0,45.48N;16.18E,h4km,7km,ML3.3/19, 18C-14D, Error ellipse: s-maj=2.7km s-min=2.2km az=58.0, Northwestwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like A254A Petrova Gora, A254A Petrova Gora, etc.

19d 15h

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

19d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like MAK Makarska, HVAR Hvar, CSKK Cskako, CONA Conrad Observa, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like FETA Feichten, SURR Surduc, SURR Surduc, ZVVC Zvikov, etc.

1406

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, BELA Belgrano 2, SNAA Snaae, ZVC Zvikov, etc.

19D 16h

TORD Torodi Ar. Bea 121.79 289 PKP PKPdf 16 25 29.8 +0.5 comp=2.0,2nm,0.3s,baz=50,slow=2.0,SNR=1.0

IDC 19 16:07:06.0,0.6,21.35S,168.62E,h0km,mb4.4/15, mbtmp4.4/16,ML4.2/1, Error ellipse: s-maj=19.3km s-min=17.0km az=148.0 NEIC 19 16:07:08.7,2.8,21.41S,0.07,168.61E,0.1,10km,1km, mb5.3/22, Error ellipse: s-maj=11.3km s-min=2.9km baz=349.0

ISC 19 16:07:09.5,0.4,21.37S,0.07,168.50E,0.05,h20km,n77, o96975,mb46/21,3C,Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like MARNC Mare, Loyalty, Qwen Toro, KOUNC Koumang, etc.

TCW 19 16:07:12.8nm,1.8s 20.38 167 P P 16 11 45.9 +0.9 Tony Charters 20.85 269 P P 16 11 53.0 +1.0

CTAO Charters Tower 20.85 269 P P 16 11 53.0 +0.2

KRVV Keravat (AS076) 23.31 314 P P 16 12 16.6 +0.1

STKA Stephens Creek 26.17 241 P P 16 12 44.6 +1.9

RAR Rarotonga 29.54 96 P P 16 13 13.6 +0.6

BBOO Buckleboo 30.93 242 P P 16 13 24.8 -0.4

WBW Warramunga Arr 31.94 267 P P 16 13 34.7 +0.4

AS31 Alice Springs 32.00 259 P P 16 13 35.0 +0.2

ASAR Alice Springs 32.00 259 P P 16 13 34.3 -0.4

FORT Forrest 37.35 247 P P 16 14 21.6 +0.8

PSA00 Pihlaba Seismi 45.13 260 P P 16 15 25.4 +0.5

QSPA South Pole Qui 68.70 180 P P 16 18 10.5 -1.1

USRK 73.31 333 P P 16 18 40.4 +0.9

CMAR Chiang Mai Arr 78.75 295 P P 16 19 12.4 +1.2

CHTO Chiang Mai 78.92 295 P P 16 19 13.3 +1.2

BELA Belgrano 2 80.05 175 P P 16 19 16.2 -1.0

M16K Timber Creek 86.20 15 P P 16 19 51.2 +2.1

N17K Nushagak Hills 86.22 16 P P 16 19 50.1 +0.9

SNA4 Sanae 87.02 183 P P 16 19 51.9 -1.3

VNA3 Neumayer Olymp 87.63 181 P P 16 19 54.9 -1.2

VNA2 Neumayer-Watz 87.91 181 P P 16 19 56.9 -0.6

SNO30 Songoing Array 88.50 323 P P 16 20 01.1 +0.4

J18K Innoko River 88.84 15 P P 16 20 01.9 +0.2

NVAR Mina Array Bea 90.72 49 P P 16 20 09.9 -1.5

ILAR Eielson Array 92.46 18 P P 16 20 16.6 -1.9

H03S2 Juan Fernandez 95.57 129 T T 18 07 10.8

H03S1 Juan Fernandez 95.58 129 T T 18 07 34.5

H03S3 Juan Fernandez 95.59 129 T T 18 07 01.3

ARCES ARCESS Array B 126.93 345 PKP PKPdf 16 26 10.1 -1.2

FINES FINESSE Array B 132.27 337 PKP PKPdf 16 26 21.9 +0.2

EKA Eskdalemuir Ar 145.51 352 PKP PKPbc 16 26 45.0 -0.9

GERES GERESS Array B 146.00 330 PKPbc PKPab 16 26 48.2 -0.3

ARSA Arzberg 146.18 326 ePKP PKPbc 16 26 48.6 +0.2

SOKA Soboth 146.81 326 ePKP PKPbc 16 26 50.9 -0.7

BIOA Bad Ischl, Aus 146.84 328 ePKP PKPbc 16 26 48.2 -0.3

LESA Schwarzeleota 147.49 329 ePKP PKPbc 16 26 52.2 0.0

ABTA Abfaltersbach 148.05 328 ePKP PKPbc 16 26 53.5 -0.3

WATA Walderalm 148.08 330 ePKP PKPbc 16 26 53.7 -0.2

MOTA Moosalm 148.29 330 ePKP PKPbc 16 26 54.3 -0.1

SQTA Sankt Quirin 148.34 330 ePKP PKPbc 16 26 54.6 0.0

RETA Reutte 148.34 331 ePKP PKPbc 16 26 54.8 +0.3

FETA Feichten 148.70 330 ePKP PKPbc 16 26 55.6 0.0

BFO Black Forest 148.75 334 PKPbc PKPbc 16 26 55.9 +0.4

DAVA Damuels 148.89 331 PKP PKPdf 16 26 53.7 +1.6

FOVON Ofenpass-Fuorn 149.22 330 PKIKP PKIKP 16 26 57.7 -0.5

DAVOX Davos/Dischmat 149.27 331 PKIKP PKIKP 16 26 57.6 -0.6

NRCA Norcia 150.31 322 PKPbc PKPbc 16 26 59.6 0.0

ESDC Sonseca Array 160.65 342 PKPab PKPab 16 27 50.3 +0.5

2017 NOV

IDC 19 16:08:03.7,0.4,21.33S,168.71E,h0km,mb5.0/21, mbtmp5.0/23,ML5.4/2,MSS.6/7, Error ellipse: s-maj=14.2km s-min=12.1km az=103.0

MOS 19 16:08:04.8,1.2,21.31S,168.56E,h12km,mb5.7/43, MSS.9/5, Error ellipse: s-maj=8.6km s-min=7.6km az=109.6

BUJ 19 16:08:05.7,0.0,20.90S,168.88E,h8km,mb5.0/54, mb6.2/23,MSS.9/21,MS7.5/6/21

NOU 19 16:08:05.4,21.24S,168.68E,h0km,mb5.4/76,Loyalty Islands

NEIC 19 16:08:05.8,2.0,21.20S,0.06,168.58E,0.04,h6km,1km, mb5.7/24,MS.20.5,20.5,7.85,MSS.9/9, Error ellipse: s-maj=9.1km s-min=4.2km az=152.0

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

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NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

NEIC 19 16:08:06.8,21.36S,168.53E,h12km,Moment Tensor Solution. Duration: 4.5 Moment tensor: Scale 1017Nm; Mn:-4.05; Mw:0.83; Mxx:3.22; Mxy:-4.30; Mxz:-1.61; Myx:6.93;

1408

CTAO Charters Tower 21.01 269 P P 16 12 51.8 +1.9

19d 16h

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, and other parameters. Includes stations like SEW, GTA, DST, etc.

2017 NOV

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, and other parameters. Includes stations like GSC, BELC, DSP, etc.

1410

Table with columns: Station ID, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, and other parameters. Includes stations like W13A, P30M, I07A, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes entries like I27K Kandik River, K29M Barlow Dome, K29M Barlow Dome, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes entries like MKAR comp=Z,0.5nm,0.6s,baz=87,slow=6.2,SNR=3.7, MKAR comp=Z,0.8nm,0.7s,baz=68,slow=1.6,SNR=3.1, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes entries like MNSK 135.65 328, MNSK 135.65 328, MNSK 135.65 328, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like mbmp4.2/6, NEIC 19 16:11, etc.

Main table containing station call signs, names, coordinates, and signal strength data. Includes stations like JMYK, TK02, BSO1, etc., and WRA, WRA, WRA, etc.

19d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PAHR, RAR, YERR, HFS, NB2, NOA, ARPR, KVN, LHV, NVAR, HVU, BRTR, QSM, HWUT, DUG, DUG, PRN, PD31, PDAR, NLU, MLR, MPU, NIE, NIE, VOIR, KNB, SRU, KSP, MMAI, MORC, MORC, MORC, CHVC, CHVC, DPC, DPC, UJC, UJC, U15A, VYHS, VYHS, HMU, JAVC, VRAC, PVCC, PVCC, CLL, CLL, KRUC, KRUC, GOPC, GOPC, PRU, PRU, PRU, PRU, HSKC, WUAZ, ZVC, CKRC, CKRC, GERES, STAL, FUORN, TX32, TXAR, KEST, TORO, GSPA, SNA4, SNA4, SNA4, H03N2, H03N3, H03N1, LPAZ, and others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM, DZM, ASAR, WRA, CMAR, EKA, and others.

2017 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GERES, JDC, JMA, and others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JDC, JMA, and others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM, DZM, ASAR, WRA, CMAR, EKA, and others.

1414

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KNRA, GSPA, CMAR, BELA, NVAR, ILAR, EKA, and GERES.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM, STKA, WRA, ASAR, GSPA, NVAR, EKA, CKRC, KRC, GERES, LESA, ABTA, MOTA, and FETA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR, HNR, HNR, RABL, KRVT, PMG, PMG, PMG, PATS, COEN, CTA, CTA, CTA, WRO, WRO, WRO, WRO, WRA, WRA, WRA, MTN, MTN, AS31, ASAR, ASAR, ASAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR, HNR, HNR, RABL, KRVT, PMG, PMG, PMG, PATS, COEN, CTA, CTA, CTA, WRO, WRO, WRO, WRO, WRA, WRA, WRA, MTN, MTN, AS31, ASAR, ASAR, ASAR.

19d 17h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like JAY Jayapura, BANG Sumba, TABU Tabubil, etc.

2017 NOV

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like PDSI Padang, QIZ Qiongzong, QIZ Qiongzong, etc.

1416

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like LZH, HHC Hu-hao-te, HHC, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details for stations 1417.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details for stations 2017 NOV.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details for stations 19d 17h.

19D 18h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like South Pole Qui, Castle Rocks, Thorofore Moun, etc.

19D 17:53:18.8±1.3, 6:78N:72:02W, h79km, 12km, mb3.2/2, mbmp3.8/5, Error ellipse: s-maj=40.7km s-min=7.7km

RSNC 19 17:53:18.3±1.0, 6:78N:72:20W, h52km, 7km, ML3.2, Mw3.8

ISC 19 17:53:16.9±0.9, 6:78N:0:03:72:16W, 0:04, h56km, 10km, n37, 1973/68, 4C, Lothern, Colombia

Main table for 19D 18h section, listing station data for various stations like Tame, Arauca, Pamplona, Barichara, etc.

2017 NOV

SJA 19 17:56:24.7±0.9, 24:02S:66:92W, h209km, 7km, ML3.8, Mw3.7

NEIC 19 17:56:25.8±1.7, 24:03S:0:08:67:00W:0.1, h211km, 15km, mb4.0/3, ML4.0(GUC), Error ellipse: s-maj=15.4km

GUC 19 17:56:26.5±0.5, 24:00S:67:28W, h240km, 7km, ML4.0

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like San Lorenzo, San Pedro de A, Zapla, etc.

ALOL LOMAS DE OLMED 2.71 86 i P Pn 17 57 11.7 0.0

ISC 19 18:01:22.2±4.0, 31:43N:140:65E, h0km, mb3.5/2, mbmp3.5/3, ML2.5/1, Error ellipse: s-maj=242.0km

JMA 19 18:01:24.0±0.1, 31:71N:0:5:14:0E, h22km, 1km, MV3.2/19, NEAR TORISHIMA IS

ISC 19 18:01:22.7±1.6, 31:71N:0:2:139:2E:0.5, h10km, n12, 1959/77, Southeast of Honshu

Main table for 2017 NOV section, listing station data for various stations like JAOM, JAOC, JHCJ, etc.

ISC 19 18:27:43.7±4.5, 17:52S:178:93W, h590km, 20km, mb3.0/3, mbmp3.9/4, Error ellipse: s-maj=121.0km

ISC 19 18:27:43.7±4.5, 17:52S:178:93W, h590km, 20km, mb3.0/3, mbmp3.9/4, Error ellipse: s-maj=121.0km

Main table for 19D 18h section, listing station data for various stations like MSVF, STKA, WRA, etc.

1418

ASAR 0.1nm, 0.4s, baz=104, slow=4.0, SNR=1.0, 4.0nm, 0.5s

NOU 19 18:47:24.3, 21:63S:169:18E, h0km, MLV4.1/9, Southeast of Loyalty Islands

ISC 19 18:47:30.1±2.2, 21:75S:0:1:168:8E:0.2, h10km, n12, 1958/12, Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like MARNC, PINNC, LIFNC, etc.

NOU 19 18:52:31.5±2.1, 73S:169:40E, h0km, MLV4.7/7, Southeast of Loyalty Islands

ISC 19 18:52:39.1±0.9, 21:71S:168:71E, h0km, mb4.2/10, mbmp4.2/11, ML3.7/1, Error ellipse: s-maj=24.7km

ISC 19 18:52:39.4±0.6, 21:64S:0:08:168:75E:0:08, h10km, n62, 1932/63, mb4.3/19, 4C, Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like MARNC, PINNC, LIFNC, etc.

ISC 19 18:52:39.4±0.6, 21:64S:0:08:168:75E:0:08, h10km, n62, 1932/63, mb4.3/19, 4C, Loyalty Islands

ISC 19 18:52:39.4±0.6, 21:64S:0:08:168:75E:0:08, h10km, n62, 1932/63, mb4.3/19, 4C, Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like MARNC, PINNC, LIFNC, etc.

ISC 19 18:52:39.4±0.6, 21:64S:0:08:168:75E:0:08, h10km, n62, 1932/63, mb4.3/19, 4C, Loyalty Islands

ISC 19 18:52:39.4±0.6, 21:64S:0:08:168:75E:0:08, h10km, n62, 1932/63, mb4.3/19, 4C, Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like MARNC, PINNC, LIFNC, etc.

ISC 19 18:52:39.4±0.6, 21:64S:0:08:168:75E:0:08, h10km, n62, 1932/63, mb4.3/19, 4C, Loyalty Islands

ISC 19 18:52:39.4±0.6, 21:64S:0:08:168:75E:0:08, h10km, n62, 1932/63, mb4.3/19, 4C, Loyalty Islands

Main table for 1418 section, listing station data for various stations like MARNC, PINNC, LIFNC, etc.

comp=Z,7.5nm,1.1s

BGR 19 18:58:11.4, 28.31'S: 166.66'E, h33km
 IDC 19 18:58:19.0, 0.7, 21.45'S: 168.61'E, h0km, mb4.5/11,
 mbmp4.5/12, ML4.3/1, MS3.0/16, Error ellipse:
 s-maj=21.2km s-min=19.3km az=155.0
 NOU 19 18:58:19.6, 21.32'S: 168.62'E, h5km, mb4.7/27, Loyalty
 Islands
 NEIC 19 18:58:20.4, 2.3, 21.39'S: 0.06: 168.61'E, 0.05, h10km, 1km,
 mb4.9/36, Error ellipse: s-maj=10.6km s-min=7.3km
 az=353.0
 GCMT 19 18:58:23.0, 4.0, 21.41'S: 0.03: 168.63'E, 0.04, h19km, 1km,
 MW5.0/72, Moment Tensor Solution. s16.c17; s72.c89;
 Duration: 0 Moment tensor: Scale 10¹⁹Nm; Mlr=5.23e, 44;
 Mw=3.11e, 28; Mw2=1.2e, 25; Mw=1.43e, 48; Mw=0.98e, 13;
 Mw=1.49e, 55; Best double couple: M=4.77400x10¹⁶
 NP1=104.00000°, 650.00000°, λ=68.00000°. Principal axes:
 T: 3.7410, Plg3.00000°, Azm208.00000°, N: 2.0650,
 Plg15.00000°, Azm18.00000°, P: -5.8070, Plg74.00000°,
 Azm311.00000°. nsta1 refers to body waves, cutoff=40s.
 nsta2 refers to surface waves, cutoff=50s. Triangular
 moment-rater function

ISC 19 18:58:21.7, 0.5, 21.35'S: 0.06: 168.58'E, 0.06, h20km, n135,
 #122/123, mb4.8/35, MS4.1/16, 5C-8D, Loyalty Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
MARNC	Mare, Loyalty	0.53	255	Op	18 58 30.9	-1.3
MARE	Mare, Loyalty	0.53	253	Pb	18 58 31.4	-0.8
LIFNC	LIFOU	1.37	294	Pn	18 58 43.2	-2.5
PINNC	Pines Island	1.64	220	Pn	18 58 47.4	-2.0
PINNC	Pines Island	1.64	220	Pn	18 58 48.1	-1.2
OUENC	Ouen Island, N	1.93	236	Pn	18 58 52.7	-0.7
OUENC	Ouen Island, N	1.93	236	Pn	18 58 53.6	+0.2
DZMC	Mont Dzumac	2.11	250	ePn	18 58 55.5	-0.4
DZM	91um, 0.9s			eSn	18 59 21.2	-0.4
DZM	Mont Dzumac	2.11	250	Pn	18 58 55.8	-0.1
DZM	Mont Dzumac	2.11	250	Pn	18 58 55.3	-0.6
DZM	90nt, 0.3s, baz=102, slow=13, SNR=37					
DZM	comp=Z, 21um, 18.6s, baz=132, slow=30				18 59 21.2	
DZM	344nm, 0.3s, baz=0, slow=20, SNR=15				18 59 22.1	+0.5
DZM	294nm, 0.4s					
ONTNC	Ouen Toro	2.19	244	Pn	18 58 56.4	-0.5
ONTNC	Ouen Toro	2.19	244	Pn	18 58 57.5	+0.6
NOUC	Port Laguerre	2.24	250	Pn	18 58 58.1	+0.4
KOUNC	Koumac, New Ca	4.09	280	Pn	18 59 23.6	+0.6
MSVF	Nonsau	9.63	70	LR	18 59 44.7	
EIDS	Eidsvold	2.3um, 20.6s, baz=256, slow=34				
EIDS	Eidsvold	16.55	253	Pn	19 02 12.4	-0.3
ARMA	Armidale	17.70	236	Pn	19 02 12.8	+0.1
RTZ	Ruatahuna	18.67	159	Pn	19 02 29.5	+1.5
MRZ	Mangatainoka R	20.15	164	Pn	19 02 40.0	+1.1
CTA	Charters Tower	20.92	269	Pn	19 02 54.5	-2.1
CTA	18nm, 1.1s, baz=90, slow=12, SNR=5.4				19 03 05.7	0.0
CTA	comp=Z, 11um, 18.1s, baz=96, slow=36				19 11 02.7	
CTA	18nm, 1.1s					
CTAO	Charters Tower	20.92	269	P	19 03 00.7	-2.4
CTAO				Iamb	19 03 16.5	
KHZ	Kahutara	21.42	170	P	19 03 08.9	+0.7
KHZ				Iamb	19 03 14.1	
INZ	Inchbonnie	21.45	174	P	19 03 09.8	+1.1
INZ				Iamb	19 03 15.8	
LTZ	Lake Taylor	21.59	173	P	19 03 11.6	+1.3
GVZ	Greta Valley S	21.88	171	P	19 03 13.7	+0.7
RPZ	Rata Peaks	22.40	175	P	19 03 18.7	+0.8
RPZ	Rata Peaks	22.40	175	LR	19 10 15.7	
CMSA	Cobar Meteorol	22.82	239	P	19 03 25.0	+1.5
MTSU	Mount Surprise	23.05	274	P	19 03 27.2	+1.2
PMG	Port Moresby	23.78	297	P	19 03 32.8	-0.4
COEN	Coen	25.27	283	P	19 03 44.2	-2.6
TOO	Toolangi	25.69	226	Iamb	19 03 49.5	+0.9
TOO				Iamb	19 03 53.5	
STKA	Stephens Creek	26.24	241	P	19 03 53.2	-2.3
STKA	Stephens Creek	26.24	241	P	19 03 56.7	+1.2
STKA	Stephens Creek	26.24	241	P	19 03 56.5	+1.1
STKA	comp=Z, 4.4nm, 0.8s, baz=63, slow=15, SNR=10				19 14 05.1	
STKA	comp=Z, 5.61nm, 18.3s, baz=51, slow=36					
LRCR	Leigh Creek	28.70	245	P	19 04 18.3	+0.7
HTT	Hallett	28.85	239	P	19 04 19.9	+1.0
RAR	Rarotonga	29.47	96	LR	19 13 55.6	
OOD	Oodnadatta	30.00	251	P	19 04 35.0	+1.2
BBOO	Buckleboo	31.52	242	Iamb	19 04 36.5	-1.9
BBOO				Iamb	19 04 54.1	
BBOO	Buckleboo	31.00	242	P	19 04 38.5	+0.5
WRD	Warramunga Arr	31.84	266	P	19 04 44.3	-1.2
WRD				Iamb	19 04 45.8	
WBO	Warramunga Arr	32.01	267	P	19 04 46.4	-0.5
WBO				Iamb	19 04 47.2	
WRB	Warramunga Arr	32.02	266	P	19 04 44.7	-2.4
WRB	Tennant Creek	32.02	266	P	19 04 44.9	-2.2
WRAB				Iamb	19 04 47.9	
WRAB	comp=Z, 2.2nm, 1.4s					
WRAB	Tennant Creek	32.02	266	P	19 04 47.5	+0.4
WRA	Warramunga Arr	32.03	266	P	19 04 46.1	-1.1
WRA	Warramunga Arr	32.03	266	P	19 04 46.1	-1.1
AS31	Alice Springs	32.07	259	P	19 04 47.6	+0.1
ASAR	Alice Springs	32.07	259	P	19 04 47.1	-0.4
ASAR	Alice Springs	32.07	259	P	19 04 47.4	-0.1
ASAR	comp=Z, 7.7nm, 0.8s, baz=82, slow=9, SNR=56				19 16 55.0	
MULG	Mulgathing	32.22	247	P	19 04 49.1	+0.4
MTN	Manton Dam	36.70	277	P	19 05 27.3	-0.3
MTN				Iamb	19 05 40.8	
WRKA	Warakurna	37.11	256	P	19 05 31.3	+0.2
FORT	Forrest	37.42	247	P	19 05 33.6	0.0
FORT				Iamb	19 05 34.5	
FORT	Forrest	37.42	247	P	19 05 33.7	+0.1
KNRA	Kununurra	38.10	272	P	19 05 39.2	-0.3
KNRA				Iamb	19 05 40.1	
KNRA	Kununurra	38.10	272	P	19 05 39.2	-0.3
PPT2	Papeete	39.55	92	eLQ	19 15 18.0	
PPT2	comp=Z, 2.89nm, 25.2s			eLR	19 16 28.9	
PPT	comp=Z, 5.69nm, 27.5s					
PPT	Papeete	39.55	92	LR	19 18 24.9	
BATI	Baumata	44.47	277	LR	19 26 23.0	
PSA00	Pilbara Seismi	45.20	260	P	19 06 37.6	0.0
PSA00				Iamb	19 06 38.9	
MWBA	Marble Bar	45.37	261	P	19 06 37.9	-1.1
SANI	Sanana	45.67	289	P	19 06 42.1	+0.7
MEEK	Meketharra	45.72	253	P	19 06 41.8	0.0
LKBK	Kellerberrin	46.27	244	P	19 06 45.8	-0.2
NWAO	Narrogin (SRO)	46.72	244	P	19 06 49.6	+0.1
NWAO	Narrogin (SRO)	46.72	244	P	19 06 49.8	+0.3
NWAO	Narrogin (SRO)	46.72	244	LR	19 27 30.3	
PLAI	Plampang	50.40	276	P	19 07 19.0	+1.0
TAOE	Nuku Hiva Isla	50.83	84	eLR	19 21 58.1	
TOLIZ	Tollitoli	51.74	289	P	19 07 26.7	-1.4

TOLIZ	comp=Z, 14nm, 1.1s	Iamb	Iamb	19 07 35.9
TOLIZ	Tollitoli	51.74	289	P
POHA	Pohakuloa	53.87	43	P
VNDA	Vanda	56.31	182	P
VNDA	comp=Z, 3.7nm, 1.2s, baz=97, slow=7.5, SNR=5.2			
VNDA	comp=Z, 6.8nm, 21.1s, baz=30, slow=31			
SBA	Scott Base	56.56	180	P
CASY	Casey	57.95	204	P
LEM	Lembang	60.52	274	LR
QSPA	comp=Z, 1.96nm, 19.1s, baz=128, slow=37			
QSPA	South Pole Qui	68.72	180	P
QSPA	comp=Z, 1.6nm, 1.1s, baz=11, slow=2.3, SNR=20			
QSPA	comp=Z, 1.12nm, 20.4s, baz=48, slow=32			
KSR5	Korea Array	69.90	326	LR
NJ2	Nanjing	71.30	317	eP
NJ2				pP
NJ2				pPmax
MDJ	Mudanjiang	74.68	332	P
MDJ	comp=Z, 13nm, 2.2s			pmax
MDJ	comp=Z, 7.90nm, 5.8s			pmax
PETK	Petrovlovsk-	74.73	325	LR
MAW	Mawson	76.25	202	P
MAW	comp=Z, 5.9nm, 0.9s, baz=109, slow=7.6, SNR=13			
MAW	comp=Z, 1.11nm, 21.0s, baz=110, slow=32			
CRAI	Chiangrai	78.42	197	P
CRAI				Iamb
CMAR	Chiang Mai	78.81	295	P
CMAR	comp=Z, 4.2nm, 1.0s, baz=131, slow=4.2, SNR=28			
CHTO	Chiang Mai	78.97	295	P
CHTO				Iamb
XAN	Xi'an	79.08	313	pP
XAN				pP
XAN				pPmax
BELA	Belgrano Z	80.06	175	P
BELA				Iamb
HHC	Hu-ho-hao-te	81.42	320	pP
HHC	comp=Z, 31nm, 0.5s			pmax
HHC	comp=Z, 690nm, 5.7s			pmax
BTO	Baotou	82.21	319	eP
BTO				pP
BTO				pP
BTO				pPmax
BTO	comp=Z, 13nm, 0.6s			pmax
BTO	comp=Z, 240nm, 6.0s			pmax
ELIB	Princess Elisa	83.97	190	dP
ELIB	comp=Z, 7.7nm, 1.1s			
TROLL	Troll, Antarti	86.40	184	pP
TROLL	comp=Z, 5.78nm, 0.8s			
SNAAS	Sanae	87.04	183	P
SNAAS	Sanae	87.04	183	pP
SNAAS	comp=Z, 1.72nm, 1.2s			
SNAAS	Sanae	87.04	183	P
SNAAS	comp=Z, 8.8nm, 1.0s, baz=157, slow=3.3, SNR=16			
VNA3	Neumayer Olymp	87.65	181	pP
VNA3	comp=Z, 6.5nm, 0.8s			
VNA2	Neumayer-Watz	87.93	181	pP
VNA2	comp=Z, 4.8nm, 0.6s, baz=180, slow=5.0			
SOMN	Songino Array	88.53	323	P
SOMN	comp=Z, 2.0nm, 1.0s, baz=146, slow=6.3, SNR=7.8			
NVAR	Mina Array Bea	90.66	49	P
NVAR	comp=Z, 0.4nm, 0.7s, baz=238, slow=5.2, SNR=9.9			
WMQ	Urumqi	92.31	314	eP
ARCES	ARCES Array B	126.93	345	PKP
ARCES	comp=Z, 1.0nm, 0.5s, baz=46, slow=2.6, SNR=13			
DPG	Dobruska-Polom	143.75	330	ePKP
BRG	Briggsiushubel	144.46	332	eP
BRG				emp
BRG	comp=Z, 11nm, 1.2s			
BRG				emp
BRG	comp=Z, 3.7nm, 0.6s			
CLL	Collin	144.54	333	/PKPbc
ZVC	Zvikov	145.38	330	ePKP
EKA	Eskdalemuir Ar	145.50	352	PKPbc
EKA	comp=Z, 4.5nm, 0.5s, baz=356, slow=2.3, SNR=34			
RNC	Ronne Austri	145.52	326	ePKP
RNC	comp=Z, 6.0nm, 0.8s			
NKC	Novy Kostel	145.58	333	ePKP
CONA	Conrad Observa	145.59	327	ePKP
CKRC	Cesky Krumlov	145.75	329	ePKP
KHC	Kasperske Hory	145.88	330	ePKP
KHC				ex
KHC				x
GERES	GERES Array B	146.02	330	PKPbc
GERES	comp=Z, 1.6nm, 0.8s, baz=46, slow=3.9, SNR=7.9			
ARZB	Arzberg	146.21	326	ePKP
ARZB	comp=Z, 4.2nm, 1.1s			
GRF	Grafenberg Arr	146.51	333	ePKPbc
GRF	comp=Z, 5.0nm, 1.2s			
BIOA	Bad Ischl	146.86	328	ePKP
BIOA	comp=Z, 6.8nm, 1.2s			
BIOA	Schwarztealot	147.51	329	ePKP
BIOA	comp=Z, 1.8nm, 0.5s			
BTNL	Ternell	147.72	339	ePKP
MEM	Memebach	147.74	339	ePKP
BSTI	Sart Tilman	147.91	339	ePKP
WATA	Walderalm	148.10	330	ePKP
WATA	comp=Z, 7.6nm, 1.3s			
WTTA	Wattenberg	148.12	330	ePKP
WTTA	comp=Z, 1.9nm, 1.5s, SNR=4.3			
BCLA	Clavier	148.13	340	ePKP
MOTA	Moosalm	148.31	330	ePKP
MOTA	comp=Z, 1.1nm, 1.1s			
QTA	Sanct Quirin	148.35	330	ePKP
QTA	comp=Z, 4.9nm, 0.7s			
SRTA	Saankt Ruffin	148.36	331	ePKP
SRTA	comp=Z, 3.3nm, 0.7s			
BMRD	Maredsous	148.41	340	ePKP

Table with columns for station name, frequency, power, and other technical details. Includes stations like TPRI, MYKOM, QSPA, JKA, ASAJ, KSRS, NJ2, YSS, RPSI, PSI, WHN, USRK, MDJ, PETK, MAW, CN2, GYA, BNX, GRNR, HNS, KLR, CRAI, CM31, CMAR, CMAR, CHTO, XAN, BELA, HEH, PZH, HHC, BTO, ZEA, SEY, TROLL, NVL, SNA, SNA, SNA, SNA, VNA3, VNA2.

Table with columns for station name, frequency, power, and other technical details. Includes stations like GTA, ULN, SONM, YAK, ORV, CMB, AFDM, EDW, BILL, LRFM, CWC, BELC, DSP, LHV, RYN, BC3, GMM, JMSD, TUO, KVN, KVN, BOD, TPNV, TPNV, ZAK, ILAR, M30M, WUAZ, TIXI, PLCA, E28M, WMQ, PDAR, MKAR, MKAR, ZALV, KURBB, BVAR, LPAZ, ARU, ARU, PRGR, BELG, ARCES, KLMR, KLMR, KLMB, BDFB, GNI, LPSR, VSR, VSR, OBN, OBN.

Table with columns for station name, frequency, power, and other technical details. Includes stations like OBN, FINES, SOC, MINSK, MNK, AKASG, NB2, NOA, HFS, BRTR, MFR, PRAR, BURR, ACR, VOIR, ARR, ELUD, MARR, PLVB, GZR, GZR, SURR, SIRR, KSP, MORC, MORC, MORC, OSTC, OSTC, MAUC, VYHS, VYHS, CHVC, CHVC, DPC, DPC, UPC, JAVC, RICH, VRAC, VRAC, SMOL, PYCC, PAVC, BRG, BRG, BRG, BRG, CLL, CLL, CLL, CLL, KRUC, RICC, BOVS, PEHC, PRA, PRA, PRU, PRU, HSKC, FRGS, MORH, STIP, STIP, ZVC, EKA, DIVS, DIVS, ESK, ESK, RONA, TEKS, NKV, NKV, NKV, CNCR, CKRC, KHC, KHC, BLS, GERES, RUDO.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like TOROD Torodi Ar. Bea, H11N3 WAKE ISLAND, H11N2 WAKE ISLAND, etc.

IDC 19 21:02:59.6, 5.4, 21.655x168.64E, h0km, mb3.5/3, mbtmp3.6/4, ML3.3/1, MS2.9/4, Error ellipse: s-maj=192.8km s-min=43.2km az=154.0, Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DZM Mont Dzumac, DZM Alice Springs, DZM Warramunga Arr, etc.

JMA 19 21:05:12.6, 0.4, 36.1N x 12.9E, h6km, MV4.0/18, S KOREAN PENINSULA REG
NIED 19 21:05:12.6, 36.23N, 129.45E, h6km, MW3.6, Moment Tensor Solution
Fault plane solution: M3.02000x10^14 NP1: phi=139.00000, lambda=23.00000, NP2: phi=236.00000, lambda=163.00000

KMA 19 21:05:15.3, 0.0, 36.14N, 129.36E, h10km, Error ellipse: s-maj=0.5km s-min=0.3km az=267.0
IDC 19 21:05:15.4, 1.8, 36.11N, 129.33E, h0km, mb3.2/3, mbtmp3.3/4, ML3.5/1, MS3.2/2, Error ellipse: s-maj=26.5km s-min=16.1km az=59.0

KEA 19 21:05:20.7, 36.52N, 129.05E, h1km, ML3.9/5
ISC 19 21:05:14.6, 6.3, 19.03N, 129.38E, 0.03, h11km, 5km, s=150, c=15/53, South Korea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KSPHA Pohang, YODB Yeongdeok, YOYB Yeongcheon, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PYAG comp=E,440nm,0.6s, PYAG comp=Z,194nm,0.5s, PYS Pyongsong, etc.

TAP 19 21:14:54.4, 23.00N, 120.95E, h8km, 1km, MLO.0.C, Taiwan

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ELDTW Lidau, ELDTW Taoyuan, ELDTW Haiduan, etc.

TAP 19 21:14:54.7, 22.58N, 121.03E, h6km, MLO.9.D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ECL Taimali, ECL Taimali, TWGBT Beinan, etc.

NOU 19 21:24:17.8, 21.55S, 168.92E, h0km, MLV4.1/7, Loyalty Islands

IDC 19 21:24:18.8, 3.1, 21.93S x 168.80E, h0km, mb3.8/3, mbtmp3.8/4, ML3.6/1, MS2.9/2, Error ellipse: s-maj=131.9km s-min=31.7km az=161.0

ISC 19 21:24:21.1, 1.7, 21.25S, 0.1, 168.70E, 0.1, h10km, n13, c=0.65/13, mb3.8/3, Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, LIFNC Lifu, etc.

IDC 19 21:42:12.8, 0.4, 1.62S, 77.87W, h158km, 3km, mb4.4/25, mbtmp4.8/31, MS3.4/9, Error ellipse: s-maj=13.0km s-min=7.1km az=68.0

IGQ 19 21:42:12.0, 3.2, 7.82S x 7.87W, h165km
NEIC 19 21:42:12.2, 1.4, 1.72S, 0.05, 78.03W, 0.07, h152km, 5km, mb4.9/283, Error ellipse: s-maj=10.9km s-min=7.6km

VAO 19 21:42:12.7, 0.3, 1.65S, 77.88W, h153km, mb5.0
GCMT 19 21:42:15.2, 0.4, 1.76S, 0.02, 78.03W, 0.03, h173km, 3km, MW5.0/86, Moment Tensor Solution. s17.c20; s86.c110; Duration: 0 Moment tensor: Scale 10^18Nm; Mrr-3.01e-14; Mss-3.19e-21; Mss-0.17e-24; Mss-1.15e-13; Mss-4.01e-20; Mss-0.42e-15; Best double couple: M4.67300x10^16

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like EKA Eskdalemuir Ar, EKA Eskdalemuir Ar, etc.

Plg30.0000, Azm299.0000; P - 3.3330, Plg59.0000; Azm136.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
ISC 19 21:42:12.1, 0.3, 1.73S, 0.03, 78.05W, 0.04, h157km, 2km, h158km, p-P, n819, c1911/806, mb4.8/199, 4C-16D, Ecuador

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PUYO Puyo, Santa Ro, PUYO Puyo, ARRY Ararray, ARRY Ararray, RETU Refugio Iguala, etc.

19d 21h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like PTAC Punta Arditia, DBBC Dabeiba, PTBC PUERTO BERRIO, etc.

2017 NOV

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like ITQB Itaqui, SDBA SAO DESIDERIO, BB19B Bebedouro, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like KAN17 Caldwell West, SFIN Lafayette, AY01 Payette, etc.

K22A	Casper	51.10	333	P	P	21 50 60.0	+1.1
TUQ	Turquoise Moun	51.17	320	P	P	21 51 00.3	+0.8
RSSD	Black Hills	51.22	336	P	P	21 51 00.4	+0.6
RSSD	Black Hills	51.22	336	P	P	21 51 00.3	+0.8
RSSD	Black Hills	51.22	336	P	P	21 51 39.0	+2.1
RSSD	Black Hills	51.22	336	P	P	21 51 37.7	+2.9
RSSD	Black Hills	51.22	336	P	P	21 52 12.6	-0.2
SHPR	Sheep Range	51.36	322	P	P	21 51 00.7	-0.2
SHPR	Sheep Range	51.36	322	P	P	21 51 36.7	-1.0
RRX	Edison Barstow	51.53	319	P	P	21 51 03.4	+1.3
BSUT	Blindstream Ca	51.57	328	I	Amb	21 51 04.9	
BFSC	Mount Baldy Ra	51.60	318	P	P	21 51 03.3	+0.9
GSC	Goldstone, Bar	51.66	319	I	Amb	21 51 05.8	
GSC	Goldstone, Bar	51.66	319	P	P	21 51 04.2	+1.1
FMP	Fort MacArthur	51.73	317	P	P	21 51 04.6	+1.1
PASC	Pasadena Art C	51.92	317	I	Amb	21 51 07.6	
DECC	Green Verdugo	52.06	317	P	P	21 51 07.6	+1.6
QSM	Queen of Sheba	52.10	320	I	Amb	21 51 08.6	
AGMN	Agassiz Nation	52.19	345	P	P	21 51 07.2	+0.6
EDW2	Edwards Air Fo	52.20	318	P	P	21 51 08.3	+1.3
CTU	Camp Tracy	52.21	328	I	Amb	21 51 09.2	
TPNV	Topopah Spring	52.31	321	P	P	21 51 09.2	+1.2
LRMC	Laurel Mtn Rad	52.34	319	P	P	21 51 08.9	+0.7
DUG	Furnace Creek,	52.41	320	P	P	21 51 10.3	+1.9
FURC	Dugway, Toeole	52.43	327	I	Amb	21 51 11.3	
DUG	Dugway, Toeole	52.43	327	P	P	21 51 10.2	+1.4
WCT	Wildcat Mouna	52.45	321	I	Amb	21 51 11.8	
SPR3	Spring Creek 3	52.48	324	I	Amb	21 51 11.3	
MPMC	Manuel Procep	52.56	320	P	P	21 51 11.0	+1.1
PDAR	Pinedale Array	52.61	331	P	P	21 51 10.4	+0.3
PDAR	comp=2.0,9nm,0.7s,baz=128,slow=9.4,SNR=18					21 51 47.8	+0.4
PDAR	comp=2.0,9nm,0.7s,baz=122,slow=11,SNR=2.8					21 52 17.8	-0.3
PDAR	comp=2.2,8nm,0.8s,baz=127,slow=6.9,SNR=6.6					22 15 20.0	
BW06	Boulder Array	52.61	331	P	P	21 51 10.4	+0.2
HWUT	Hardware Ranch	52.76	329	I	Amb	21 51 12.8	
R11B	Troy Canyon, C	52.79	323	P	P	21 51 12.8	+1.3
Q12A	Willow Creek R	52.80	324	I	Amb	21 51 13.9	
SC22	Santa Cruz Isl	52.81	316	P	P	21 51 12.8	+1.3
MDND	Madlock	52.84	342	P	P	21 51 11.9	+0.4
ARVC	Arvin	52.90	318	P	P	21 51 12.7	+0.6
ISA	Isabella, Lake	52.97	319	P	P	21 51 12.9	+0.2
ISA	Isabella, Lake	52.97	319	P	P	21 51 13.5	+0.8
BGU	Big Grassy Mou	53.06	327	I	Amb	21 51 15.4	
GMN	Gold Mountain	53.17	321	I	Amb	21 51 16.8	
CWC	Cottonwood Cre	53.17	320	P	P	21 51 15.0	+0.7
AHD	Auburn Hatcher	53.37	330	I	Amb	21 51 16.9	
PKM	Mcperson Peak	53.43	317	P	P	21 51 16.8	+0.6
VES	Vestal, Richer	53.48	318	P	P	21 51 17.0	+0.7
TIN	Tinemaha, Big	53.63	320	P	P	21 51 18.3	+0.7
SMMC	Simmer	53.79	317	P	P	21 51 19.6	+0.9
TPAW	Teton Pass	53.83	331	I	Amb	21 51 25.2	
ULM	Lac du Bonnet	53.99	346	P	P	21 51 18.4	-1.3
ULM	comp=2.5,6nm,0.4s,baz=153,slow=7.6,SNR=16					21 52 22.3	-0.6
ULM	comp=2.2,5nm,0.5s,baz=223,slow=4.3,SNR=3.0					22 12 26.8	
FLWY	Flagg Ranch	54.15	331	I	Amb	21 51 23.2	
RLMT	Red Lodge	54.27	333	I	Amb	21 53 09.4	
RLMT	Red Lodge	54.27	333	P	P	21 51 22.4	+0.2
H17A	Grant Village	54.32	332	P	P	21 51 23.3	+0.6
NV11	Mina Array Sit	54.42	322	I	Amb	21 51 25.9	
OMMB	Old Mammoth Mi	54.46	320	I	Amb	21 51 26.1	
NVAR	Mina Array Bea	54.51	321	P	P	21 51 25.4	+1.3
NVAR	comp=2.1,10nm,0.9s,baz=135,slow=6.6,SNR=51					21 52 02.5	+1.2
NVAR	comp=2.7,3nm,1.1s,baz=130,slow=7.3,SNR=3.4					21 52 25.7	+0.3
LHV	Little Huntuon	54.53	321	I	Amb	21 51 26.8	
KVN	Kaiserville	54.76	322	I	Amb	21 51 27.9	
RYN	Ryan	54.77	322	I	Amb	21 51 28.2	
PMPB	Monarch Peak	54.84	318	P	P	21 51 25.3	-0.9
BMN	Battle Mountain	55.10	324	I	Amb	21 51 30.2	
BBG	Big Mountain B	55.20	318	I	Amb	21 51 33.6	
WAKR	Walker	55.27	321	I	Amb	21 51 32.1	
YERR	Yerington	55.43	321	I	Amb	21 51 32.3	
HLID	Hailey	55.63	329	P	P	21 51 33.0	+1.0
PNZ	Pine Nut	55.72	321	I	Amb	21 51 35.2	
BOZ	Bozeman (W)	55.72	332	I	Amb	21 51 34.4	
BOZ	Bozeman (W)	55.72	332	P	P	21 51 33.0	+0.5
PAHR	Pah Rah Range	55.95	322	I	Amb	21 51 36.8	
AFDM	Foglet Hills D	56.50	320	I	Amb	21 51 39.8	
EGMT	Eggleston	56.73	335	P	P	21 51 39.9	+0.4
SCHO	Schefferville	57.13	3	P	P	21 51 42.1	0.0
ORV	Oroville	57.18	321	P	P	21 51 42.6	-0.1
ORV	Oroville	57.18	321	P	P	21 52 18.1	-2.3
MCCM	Marconi Confer	57.28	319	I	Amb	21 51 46.0	
GDXM	Geysers	57.59	319	I	Amb	21 51 48.1	
J08A	Circle Bar Ran	57.69	326	I	Amb	21 51 48.0	
MSO	Missoula	57.71	332	I	Amb	21 51 48.3	

MSO	Missoula	57.71	332	P	P	21 51 46.7	+0.2
BMO	Blue Mountains	58.03	328	I	Amb	21 51 49.7	
I07A	Izeze	58.73	326	I	Amb	21 51 56.4	
F10A	Beach Ranch, E	58.74	329	I	Amb	21 51 56.7	
KMRM	Mali Ridge	58.96	320	I	Amb	21 51 57.2	
YBH	Yreka Blue Hor	59.19	322	I	Amb	21 51 57.2	
G08A	Pilot Rock	59.20	327	P	P	21 51 56.9	0.0
G09A	Wood Farm, Sta	59.58	329	I	Amb	21 52 00.3	-1.7
KSX	Camp Six Broad	59.96	322	P	P	21 52 02.8	+0.7
G06A	Carlson Farm,	60.08	327	I	Amb	21 52 05.0	
HAWA	Hanford	60.22	328	P	P	21 52 03.7	0.0
HAWA	Newport	60.25	331	I	Amb	21 52 04.8	
NEW	Newport	60.25	331	I	Amb	21 52 05.7	
NEW	Newport	60.25	331	P	P	21 52 04.3	+0.4
E07A	Sunnyside	60.50	328	P	P	21 52 05.3	-0.2
E07A	Liberty	61.38	328	I	Amb	21 52 13.4	
LTY	comp=2.1,13nm,0.9s					21 52 15.0	
LON	Lonnie	61.66	327	I	Amb	21 52 15.0	
EDM	Edmonton	62.19	337	P	P	21 52 16.5	-0.3
GNW	Green Mountain	62.71	328	P	P	21 52 19.9	-0.4
GNW	San Martin Ant	66.70	176	P	P	21 52 47.4	+1.7
SMAI	Ivigtut	66.84	15	P	P	21 52 45.8	-0.9
IVI	Ivigtut	66.84	15	P	P	21 52 45.2	-1.5
YKA	Yellowknife Ar	66.84	15	P	P	21 53 04.2	-0.6
KOTAN	Kotanelee Air	71.24	338	P	P	21 53 14.3	+0.4
LIRD	Liard River Hi	71.58	336	P	P	21 53 16.2	+0.2
V35K	Ketchikan	71.66	331	P	P	21 53 17.1	+0.6
DY2G	Dye2	71.73	13	P	P	21 53 14.4	-2.6
DY2G	comp=2.1,7nm,0.5s					21 53 23.2	+1.2
T35M	Bob Quinn	71.92	333	P	P	21 53 19.1	+1.0
CRAG	Craig	72.47	331	P	P	21 53 22.6	+1.3
WRAK	Wrangell Islan	72.59	332	P	P	21 53 23.2	+1.2
DLBC	Dease Lake	72.64	334	P	P	21 53 23.8	+1.4
U33K	Whale Pass	72.80	331	P	P	21 53 24.5	+1.3
ISOG	Isortoq, Green	72.80	16	P	P	21 53 21.7	-1.4
ISOG	comp=2.4,10nm,0.8s					21 53 23.5	
S34M	Telegraph Cree	72.84	333	P	P	21 53 24.9	+1.5
LIC	Lamto	73.33	83	P	P	21 53 26.5	-0.8
TIC	Toumodi	73.36	83	P	P	21 53 26.7	-0.8
DBIC	Dimbokro	73.36	83	P	P	21 53 27.5	-0.9
DBIC	Dimbokro	73.36	83	P	P	21 53 27.9	-0.5
DBIC	comp=2.26nm,0.8s,baz=269,slow=3.4,SNR=58.6					21 54 05.6	-1.3
DBIC	comp=2.39nm,1.1s,baz=270,slow=6.6,SNR=8.6					22 22 44.9	
R33M	Jennings River	73.58	335	P	P	21 53 28.8	+0.8
KIC	Kosan Boka	73.72	83	P	P	21 53 28.2	-0.8
TGTN	Hyland Airport	73.73	337	P	P	21 53 29.7	+0.9
Q32M	Nakina River	73.91	334	P	P	21 53 30.6	+0.6
S32K	Killisnoo	74.18	332	P	P	21 53 32.5	+1.2
SIT	Sitka	74.33	331	P	P	21 53 32.5	+0.4
MORF	Marsatele	74.79	51	P	P	21 53 35.0	-0.4
P33M	Teslin, Yukon	74.81	335	P	P	21 53 35.3	+0.3
P32M	Atlin	74.87	334	P	P	21 53 36.6	+1.2
PNCL	Niculan / Gran	75.08	50	P	P	21 53 36.9	-0.1
ICESG	Greenland Ices	75.33	13	P	P	21 53 36.7	-1.4
N32M	Quiet Lake	75.43	336	P	P	21 53 40.2	+1.7
MMPY	Sheldon Lake,	75.51	338	P	P	21 53 39.5	+0.6
SKAG	Skagway	75.52	334	P	P	21 53 39.9	+0.9
PMTG	Montargil	75.55	49	P	P	21 53 39.7	+0.1
EVO	Evora	75.58	50	P	P	21 53 39.5	-0.3
EVO	comp=2.12nm,1.6s					21 54 17.1	-1.4
PCAS	Casmilo, Conde	75.59	48	P	P	21 53 39.8	-0.1
PCAS	Estremoz	75.98	49	P	P	21 54 19.5	+1.0
PESTR	Estremoz	75.98	49	P	P	21 52 42.2	+0.1
PESTR	Estremoz	75.98	49	P	P	21 54 20.9	+0.1
FARO	Faro, Yukon	76.11	337	P	P	21 53 40.7	-1.4
PVIS	Visu	76.21	47	P	P	21 53 43.3	+1.0
PVIS	Manteigas	76.3					

Table with columns for station code, name, frequency, and signal strength. Includes stations like SPMI Sapulut, UGM Wanagama, YOGI Yogyakarta, SMRI Semarang, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like OZH Quanzhou, JOT Ohata, DLV T Lat, YUK Yuzh-Kuril'sk, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like HJU, KULM Kulim, PPSI Pulau Batu, YSS Yuzh-Sakhalins, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like M13K Dall Lake, P17K Kivchik River, N15K Kwethluk River, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like SNAA Sanae, O20K Slope Mountain, SVW2 Sparrevohk, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like G15K Niukluk, FIS Fire Island, H16K Elm, etc.

19d 22h

Table with columns: Station, Elevation, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance. Rows include stations like Valle De La Tr, Telida, Granite Mounta, etc.

2017 NOV

Table with columns: Station, Elevation, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance. Rows include stations like Bremner River, Gualadue Vic, GeerMu, etc.

1434

Table with columns: Station, Elevation, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance. Rows include stations like Yakutat, Detroit Lake, Turgoise Moon, etc.

1435

R31K	City Hall, Gus	91.74	26	P	P	22 56 35.6	-0.6
ZAK	Zakamensk	91.75	324	eP	P	22 56 37.6	+0.9
P29M	Windy Craggy	91.75	24	IAMB	IAMB	22 57 01.9	
P29M	Windy Craggy	91.75	24	IAMS_20	IAMS_20	23 28 06.2	
G05A	Wamic	91.75	42	IAMS_20	IAMS_20	23 27 50.9	
PDMC1	Parker Dam, Lak	91.79	54	P	P	22 56 37.2	+0.1
M27K	Nabesna, AK	91.81	20	P	P	22 56 36.0	-0.6
WR6K	Wood River Hill	91.83	17	IAMB	IAMB	22 56 58.0	
B04A	Port Angeles	91.83	38	IAMS_20	IAMS_20	23 29 07.7	
214A	Organ Pipe Nat	91.85	56	IAMS_20	IAMS_20	23 31 17.7	
214A	Organ Pipe Nat	91.85	56	P	P	22 56 38.2	+0.7
V12A	Nelson	91.86	52	IAMB	IAMB	22 57 03.0	
CLRS	Cowichan Lake	91.86	38	IAMB	IAMB	22 56 45.3	
CLRS	Cowichan Lake	91.86	38	IAMS_20	IAMS_20	23 29 17.4	
O29M	Mount Kennedy	91.88	23	IAMB	IAMB	22 56 44.2	
O29M	Mount Kennedy	91.88	23	IAMS_20	IAMS_20	23 33 18.4	
O29M	Mount Kennedy	91.88	23	P	P	22 56 36.5	-0.6
C17K	DeLong Mountai	91.91	10	P	P	22 56 37.5	+0.6
T33K	Petersburg	91.91	28	P	P	22 56 37.1	+0.1
WR4K	Wrangell Islan	91.94	28	IAMB	IAMB	22 57 05.2	
WR4K	Wrangell Islan	91.94	28	P	P	22 56 37.5	+0.3
MENT	Mentasta	91.97	20	P	P	22 56 37.3	0.0
GNW	Green Mountain	91.98	39	IAMB	IAMB	22 56 45.9	
K24K	Donnelly Dome	91.98	18	P	P	22 56 36.1	-1.2
I23K	Minto, Yukon-K	92.02	16	P	P	22 56 35.4	-1.9
S11A	Rachel	92.02	50	IAMB	IAMB	22 57 05.5	
S11A	Rachel	92.02	50	IAMS_20	IAMS_20	23 36 07.8	
F20K	Avaraart Lake	92.05	13	IAMS_20	IAMS_20	23 33 30.3	
F20K	Avaraart Lake	92.05	13	P	P	22 56 37.4	-0.1
E19K	Redstone River	92.09	12	IAMB	IAMB	22 57 05.7	
E19K	Redstone River	92.09	12	IAMS_20	IAMS_20	23 33 03.2	
E19K	Redstone River	92.09	12	P	P	22 56 37.9	+0.2
H22K	Ishlitalina Cre	92.10	15	P	P	22 56 36.9	-0.9
G21K	Allakaket	92.10	14	IAMB	IAMB	22 56 45.4	
G21K	Allakaket	92.10	14	P	P	22 56 37.0	-0.8
HDA	Harding Lake	92.10	18	IAMB	IAMB	22 56 56.0	
HDA	Harding Lake	92.10	18	IAMS_20	IAMS_20	23 32 10.9	
HDA	Harding Lake	92.10	18	P	P	22 56 36.3	-1.5
YU8K	Steele Glacier	92.12	22	P	P	22 56 37.8	-0.5
M27K	Edge Creek, AK	92.15	21	IAMB	IAMB	22 57 36.6	
M27K	Edge Creek, AK	92.15	21	P	P	22 56 37.4	-0.9
R32K	Eaglecrest	92.15	26	IAMB	IAMB	22 56 46.0	
R32K	Eaglecrest	92.15	26	IAMS_20	IAMS_20	23 28 14.9	
R32K	Eaglecrest	92.15	26	P	P	22 56 38.1	-0.1
WVOR	Wild Horse Val	92.15	45	IAMB	IAMB	22 57 31.5	
WVOR	Wild Horse Val	92.15	45	IAMS_20	IAMS_20	23 29 44.7	
L26K	Log Cabin Wild	92.15	20	IAMS_20	IAMS_20	23 32 55.4	
L26K	Log Cabin Wild	92.15	20	P	P	22 56 37.2	-0.9
PGC	Sidney	92.16	38	IAMB	IAMB	22 56 48.5	
MDM	Murphy Dome	92.17	17	IAMB	IAMB	22 56 44.2	
G06A	Carlson Farm,	92.17	42	IAMB	IAMB	22 57 05.8	
G06A	Carlson Farm,	92.17	42	IAMS_20	IAMS_20	23 28 04.0	
LON	Longmire	92.18	40	IAMS_20	IAMS_20	23 32 19.2	
BMN	Battle Mountai	92.20	47	IAMB	IAMB	22 57 04.5	
BMN	Battle Mountai	92.20	47	IAMS_20	IAMS_20	23 35 35.3	
JIS	Juneau Island	92.21	26	IAMB	IAMB	22 57 04.4	
JIS	Juneau Island	92.21	26	IAMS_20	IAMS_20	23 28 16.4	
JIS	Juneau Island	92.21	26	P	P	22 56 39.6	+1.2
COLA	College	92.21	17	P	P	22 56 37.2	-1.1
COLA	College	92.21	17	P	P	22 56 36.3	-2.0
COLA	College	92.21	17	P	P	22 56 37.0	-1.3
IRK	Irkutsk	92.22	326	eP	S	22 56 38.2	-0.5
IRK	Irkutsk	92.22	326	eP	S	23 07 41.9	+0.9
YU3K	Moose Creek	92.22	22	P	P	22 56 37.6	-1.2
D05A	Enumclaw	92.29	40	IAMS_20	IAMS_20	23 32 02.9	
W13A	Hualapai Mount	92.31	53	IAMB	IAMB	22 57 05.2	
W13A	Hualapai Mount	92.31	53	IAMS_20	IAMS_20	23 29 09.8	
I07A	Ize	92.34	43	IAMB	IAMB	22 57 27.7	
P30M	Million Dollar	92.37	24	P	P	22 56 38.8	-0.4
C18K	Utukok River	92.39	11	IAMB	IAMB	22 56 53.2	
C18K	Utukok River	92.39	11	P	P	22 56 38.3	-0.8
YU6K	Outpost Mounta	92.39	23	P	P	22 56 38.9	-0.6
ILAR	Eielson Array	92.40	17	P	P	22 56 38.0	-1.1
ILAR	Eielson Array	92.40	17	P	P	23 13 55.4	-0.6
ILAR	Eielson Array	92.40	17	P	P	23 22 04.8	+5.2
ILAR	Eielson Array	92.40	17	LR	LR	23 32 42.3	
R11B	Troy Canyon, C	92.44	50	P	P	22 56 40.5	+0.2
H24K	Yukon River	92.50	16	P	P	22 56 39.0	-0.7
Y14A	Wickenburg	92.55	55	IAMB	IAMB	22 57 05.7	
Y14A	Wickenburg	92.55	55	IAMS_20	IAMS_20	23 30 33.9	
POKR	Poker Plat Res	92.51	17	P	P	22 56 37.9	-1.8
BVCY	Beaver Creek	92.53	21	P	P	22 56 39.0	-0.9
YU4K	Talbot Arm	92.56	23	P	P	22 56 39.8	-0.5

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SKAG	Skagway	92.57	25	IAMB	IAMB	22 57 06.3	
SKAG	Skagway	92.57	25	IAMS_20	IAMS_20	23 29 35.9	
SKAG	Skagway	92.57	25	P	P	22 56 39.9	-0.2
HYT	Haines Junctio	92.63	23	IAMB	IAMB	22 56 47.5	
HYT	Haines Junctio	92.63	23	P	P	22 56 39.7	-0.8
SCRK	Sand Creek	92.65	19	IAMB	IAMB	22 56 47.7	
SCRK	Sand Creek	92.65	19	P	P	22 56 39.5	-1.0
L27K	Beaver Creek,	92.66	20	P	P	22 56 39.7	-0.8
J08A	Circle Bar Res	92.68	44	IAMB	IAMB	22 57 08.3	
J08A	Circle Bar Res	92.68	44	IAMS_20	IAMS_20	23 34 57.6	
F21K	Alatna River	92.69	14	IAMS_20	IAMS_20	23 35 17.1	
F21K	Alatna River	92.69	14	P	P	22 56 40.1	-0.5
U35K	Hyder	92.69	30	IAMS_20	IAMS_20	23 28 07.5	
U35K	Hyder	92.69	30	P	P	22 56 41.2	+0.5
J25K	Salcha River,	92.71	18	IAMB	IAMB	22 56 59.2	
J25K	Salcha River,	92.71	18	IAMS_20	IAMS_20	23 32 27.0	
J25K	Salcha River,	92.71	18	P	P	22 56 39.6	-1.1
D19K	Kuna River	92.81	12	IAMB	IAMB	22 57 00.8	
D19K	Kuna River	92.81	12	IAMS_20	IAMS_20	23 33 26.6	
D19K	Kuna River	92.81	12	P	P	22 56 41.2	+0.1
G22K	Bettles	92.89	15	P	P	22 56 41.7	+0.3
F07A	Phinny Hill Vi	92.92	41	IAMS_20	IAMS_20	23 28 25.8	
B18K	Kokolik River	92.93	10	P	P	22 56 42.0	+0.5
H24K	Noodor Dome	92.94	16	P	P	22 56 39.1	-2.7
E20K	Lookout Ridge	92.98	12	P	P	22 56 41.8	-0.1
C19K	Lookout Ridge	93.07	11	P	P	22 56 42.1	-0.2
G23K	Banza Creek	93.08	15	IAMB	IAMB	22 57 05.2	
G23K	Banza Creek	93.08	15	IAMS_20	IAMS_20	23 33 13.6	
G23K	Banza Creek	93.08	15	P	P	22 56 42.3	0.0
LTY	Liberty	93.11	40	IAMS_20	IAMS_20	23 32 48.7	
O30N	Mendhall	93.12	24	IAMB	IAMB	22 56 49.6	
O30N	Mendhall	93.12	24	IAMS_20	IAMS_20	23 33 47.3	
O30N	Mendhall	93.12	24	P	P	22 56 41.6	-1.1
J26L	Joseph Creek	93.16	19	IAMB	IAMB	22 56 50.4	
J26L	Joseph Creek	93.16	19	P	P	22 56 42.4	-0.4
N30M	Aishikik Lake	93.20	23	IAMB	IAMB	22 56 44.2	
N30M	Aishikik Lake	93.20	23	IAMS_20	IAMS_20	23 29 29.1	
N30M	Aishikik Lake	93.20	23	P	P	22 56 41.8	-1.2
T35M	Bob Quinn	93.20	29	IAMB	IAMB	22 56 51.4	
T35M	Bob Quinn	93.20	29	IAMS_20	IAMS_20	23 28 23.0	
T35M	Bob Quinn	93.20	29	P	P	22 56 42.8	-0.3
F23K	Joel River	93.21	14	P	P	22 56 42.6	-0.3
G08A	Pilot Rock	93.25	42	IAMS_20	IAMS_20	23 29 48.5	
Q12A	Willow Creek R	93.27	49	IAMB	IAMB	22 57 18.9	
Q12A	Willow Creek R	93.27	49	IAMS_20	IAMS_20	23 30 39.7	
K07A	Chicken	93.27	19	P	P	22 56 42.5	-0.8
E27K	Sunnyside	93.28	41	IAMS_20	IAMS_20	23 28 35.1	
D20K	Etiyuk River	93.28	12	P	P	22 56 43.2	0.0
JHSG	JHARSUGUGA	93.30	292	I/P	IAMB	22 56 43.4	-1.0
JHSG	JHARSUGUGA	93.30	292	IAMB	IAMB	22 57 00.2	
JHSG	JHARSUGUGA	93.30	292	IAMS_20	IAMS_20	23 32 40.4	
P32M	Atlin	93.30	25	IAMB	IAMB	22 56 51.1	
P32M	Atlin	93.30	25	IAMS_20	IAMS_20	23 29 57.2	
P32M	Atlin	93.30	25	P	P	22 56 43.2	-0.3
PRP	Porcupine Dome	93.34	17	IAMS_20	IAMS_20	23 32 48.5	
PRP	Porcupine Dome	93.34	17	P	P	22 56 41.6	-2.1
S34M	Telegraph Cree	93.36	28	IAMB	IAMB	22 56 51.9	
S34M	Telegraph Cree	93.36	28	IAMS_20	IAMS_20	23 31 04.0	
S34M	Telegraph Cree	93.36	28	P	P	22 56 44.0	+0.2
M29M	Somme Creek	93.36	22	IAMB	IAMB	22 56 51.0	
M29M	Somme Creek	93.36	22	P	P	22 56 42.9	-0.9
HAWA	Hanford	93.40	41	IAMB	IAMB	22 57 11.6	
HAWA	Hanford	93.40	41	IAMS_20	IAMS_20	23 28 40.3	
COLD	Coldfoot	93.45	15	P	P	22 56 44.1	+0.1
Q32M	Nakina River	93.50	26	IAMB	IAMB	22 56 52.6	
Q32M	Nakina River	93.50	26	IAMS_20	IAMS_20	23 29 31.4	
Q32M	Nakina River	93.50	26	P	P	22 56 44.2	-0.5
WHY	Whitehorse	93.51	24				

19d 22h

Table with columns: KOD, Name, Time, Status, Location, Time, Status, Location, Time, Status, Location. Includes entries like KOD Kodaikanal, F25K Christian Rive, etc.

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Table with columns: MSO, Name, Time, Status, Location, Time, Status, Location, Time, Status, Location. Includes entries like MSO Missoula, Y22A Socorro, etc.

1436

Table with columns: LGTI, Name, Time, Status, Location, Time, Status, Location, Time, Status, Location. Includes entries like LGTI Lohaghat, SDCO Great Sand Dun, etc.

SHLS	Shalkode	103.79	311	ePdif	Pdif	22 57 27.4	-3.9
SHLS	baz=311			ePKIKP	PP	23 01 47.0	-1.5
SHLS	Shalkode	103.79	311	i P	Pdif	22 57 27.4	-3.9
CO01	Juntas del Tor	103.80	130	IAMS_20	IAMS_20	23 34 11.7	
DGMT	Dagmar	103.81	43	IAMS_20	IAMS_20	23 42 51.1	
DGMT	Dagmar	103.81	43	Pdiff	Pdif	22 57 30.5	-0.6
DGMT	Dagmar	103.81	43	P	Pdif	22 57 33.8	+2.7
WMOK	Wichita Mounta	103.81	58	IAMS_20	IAMS_20	23 35 47.7	
WMOK	Wichita Mounta	103.81	58	Pdiff	Pdif	22 57 30.4	-1.1
WMOK	Wichita Mounta	103.81	58	P	Pdif	22 57 29.5	-1.9
ZON	Zonda	103.88	132	IAMS_20	IAMS_20	23 37 35.7	
FW03	Ferrin-Whitt E	103.90	60	IAMS_20	IAMS_20	23 38 29.3	
LCO	Las Campanas	103.91	129	IAMS_20	IAMS_20	23 37 26.7	
FW07	Weatherford	104.03	60	IAMS_20	IAMS_20	23 34 24.4	
TRQA	Tornquet	104.09	141	IAMS_20	IAMS_20	23 40 27.3	
UZB	Uzynbulak	104.09	311	ePdif	Pdif	22 57 30.9	-1.8
UZB	Uzynbulak	104.09	311	ePKIKP	PKIKP	23 01 47.9	-1.9
WHTX	Lake Whitney	104.10	61	Pdiff	Pdif	22 57 30.8	-1.8
WHTX	Lake Whitney	104.10	61	P	Pdif	22 57 31.7	-1.0
U32A	Winter Ranch	104.10	56	IAMS_20	IAMS_20	23 41 10.2	
CFA	Coronel Fontan	104.15	132	Pdiff	Pdif	22 57 32.9	-0.3
CFA	Cedar Bluff	104.21	54	Pdiff	Pdif	22 57 32.2	-0.9
CBKS	Cedar Bluff	104.21	54	P	Pdif	22 57 33.4	+0.3
AC05	El Transito	104.31	129	IAMS_20	IAMS_20	23 37 36.5	
JMU	Jammu	104.33	300	ex	x	22 57 39.4	
JMU	Jammu	104.33	300	ex	x	22 59 40.2	
JMU	Jammu	104.33	300	i x	x	23 01 54.4	
OK038	West end E0370	104.33	56	IAMS_20	IAMS_20	23 41 27.3	
KPKS	Kokpek	104.42	311	ePP	PKIKP	23 01 50.2	-0.2
OK035	E0210 Rd and N	104.42	56	IAMS_20	IAMS_20	23 39 19.6	
SATY	Saty	104.50	311	ePP	PKIKP	23 01 50.5	0.0
ZHN	Zhinishke	104.51	311	ePP	PKIKP	23 01 51.3	+0.7
Z35A	Perchaven, San	104.64	60	IAMS_20	IAMS_20	23 39 15.7	
Z35A	Perchaven, San	104.64	60	P	Pdif	22 57 34.6	-0.5
OK032	Salt Plains WL	104.83	56	IAMS_20	IAMS_20	23 39 51.5	
HKT	Hockley	104.86	63	P	Pdif	22 57 37.0	+0.9
R32A	Long Quarter	104.88	54	IAMS_20	IAMS_20	23 39 19.7	
R32A	Long Quarter	104.88	54	P	Pdif	22 57 37.6	+1.4
CROK	Carrier	104.92	56	IAMS_20	IAMS_20	23 37 22.0	
TDK	Taldyqorghan	105.02	313	ePdif	Pdif	22 57 35.2	-1.4
TDK	Taldyqorghan	105.02	313	ePP	PP	23 01 55.5	-2.0
TDK	Taldyqorghan	105.02	313	i P	Pdif	22 57 35.1	-1.5
TDK	Taldyqorghan	105.02	313	P	Pdif	23 01 55.4	
FNO	Franklin	105.05	58	IAMS_20	IAMS_20	23 40 16.3	
SEM	Semipalatinsk	105.23	318	ePdif	Pdif	22 57 35.7	-1.9
SEM	Semipalatinsk	105.23	318	ePP	PP	23 01 56.0	-3.1
SEM	Semipalatinsk	105.23	318	i P	Pdif	22 57 35.7	-1.9
SEM	Semipalatinsk	105.23	318	e	Pdif	22 57 55.9	
KSH	Kashi	105.33	307	Pdiff	LR	22 57 43.8	+5.6
KSH	Kashi	105.33	307	LR	LR		
KSH	Kashi	105.33	307	LR	LR		
K30B	Basset	105.34	50	P	Pdif	22 57 37.0	-1.1
237A	Washetta, Mont	105.45	61	P	Pdif	22 57 41.4	+2.7
MDOK	Medeo	105.49	311	ePdif	Pdif	22 57 37.2	-1.7
MDOK	Medeo	105.49	311	ePKIKP	PKIKP	23 01 51.1	-1.3
MDOK	Medeo	105.49	311	i P	Pdif	22 57 37.1	-1.7
TNSS	Tian-Shan	105.53	310	ePKIKP	PKIKP	23 01 50.9	-2.0
AC01	Pan de Azucar	105.57	127	IAMS_20	IAMS_20	23 34 54.2	
E28A	Huff	105.59	46	P	Pdif	22 57 38.9	-0.2
BLOK	Blackwell	105.59	56	IAMS_20	IAMS_20	23 42 23.6	
AAA	Alma-Ata	105.59	311	ePKIKP	PKIKP	23 01 51.0	-1.5
AAA	Alma-Ata	105.59	311	ePP	PP	23 01 58.9	-3.0
OK033	Mehan	105.62	57	IAMS_20	IAMS_20	23 42 05.4	
CHKK	Chushkaly	105.71	311	ePKIKP	PKIKP	23 01 51.0	-1.6
OK030	Cody Creek RV	105.71	57	IAMS_20	IAMS_20	23 39 32.8	
OK052	Battle Ridge R	105.71	57	IAMS_20	IAMS_20	23 39 22.9	
DEOK	Depev	105.91	57	IAMS_20	IAMS_20	23 37 18.2	
MT03	Montecristo	106.01	81	IAMS_20	IAMS_20	23 34 39.8	
BGNE	Belgrade	106.07	51	IAMS_20	IAMS_20	23 37 38.8	
BGNE	Belgrade	106.07	51	PKIKP	PKIKP	23 01 52.3	-1.1
ESQI	Esquipulas	106.08	80	IAMS_20	IAMS_20	23 34 43.6	
KUU	Kurty	106.17	311	ePP	PP	23 02 04.2	-1.9
T35B	Sooner Cattle	106.17	56	P	Pdif	22 57 42.7	+0.8
SUSD	Miller	106.24	48	IAMS_20	IAMS_20	23 38 32.0	
SUSD	Miller	106.24	48	P	Pdif	22 57 40.8	-1.2
KURK	Kurchatov	106.31	62	P	PKIKP	23 01 39.6	-1.4
NATX	Nacogdoches	106.32	319	P	Pdif	22 57 42.3	-0.3
KURBB	Kurchatov Arra	106.34	318	Pdiff	Pdif	22 57 42.3	0.0
KURBB	Kurchatov Arra	106.34	318	PKIKP	PKIKP	23 01 53.5	0.0
KURBB	Kurchatov Arra	106.34	318	PKKPbc	PKKPbc	23 13 14.0	-1.6
KURBB	Kurchatov Arra	106.34	318	PKPPK	PKPPK	23 21 38.5	+3.0
N33B	J Bar K, Exete	106.42	52	P	Pdif	22 57 41.8	-1.1
Z38A	Mt. Pleasant	106.45	60	IAMS_20	IAMS_20	23 37 48.4	
Z38A	Mt. Pleasant	106.45	60	P	Pdif	22 57 42.5	-0.6
TUL3	Leonard	106.48	57	PKIKP	PKIKP	23 01 52.3	-2.0
TUL3	Leonard	106.48	57	P	Pdif	22 57 43.3	0.0

PB14	IPCC Station P	106.56	125	PP	PKIKP	23 02 08.9	+1.4
MDNO	Maddock	106.62	45	PP	PKIKP	23 01 53.1	-1.1
MDNO	Maddock	106.62	45	P	Pdif	22 57 45.7	+2.1
RLO	Rose Lookout	107.15	57	IAMS_20	IAMS_20	23 41 28.9	
AAK	Ala-Archa	107.18	310	P	PKIKP	23 01 39.9	-1.6
SGDS	Sogindy	107.27	310	ePKIKP	PKIKP	23 01 54.1	-1.5
SGDS	Sogindy	107.27	310	ePP	PP	23 02 12.1	-2.1
441A	DeRidder	107.28	63	IAMS_20	IAMS_20	23 42 25.6	
L34A	Gvendsen Farm	107.49	51	P	Pdif	22 57 47.3	-0.3
NNA	Nana	107.59	111	IAMS_20	IAMS_20	23 35 40.3	
CRIN	San Cristobal	107.61	83	IAMS_20	IAMS_20	23 34 57.1	
U38A	Gravette	107.71	57	P	Pdif	22 57 47.7	-1.0
ECSD	EROS Data Cent	107.72	49	IAMS_20	IAMS_20	23 48 18.9	
ECSD	EROS Data Cent	107.72	49	PKIKP	PKIKP	23 01 55.0	-1.3
N35A	Tabor	107.78	52	IAMS_20	IAMS_20	23 39 39.2	
N35A	Tabor	107.78	52	P	Pdif	22 57 49.6	+0.7
TGUH	Teguicgalpa,Un	107.83	82	IAMS_20	IAMS_20	23 35 39.9	
CNGN	Cerro Negro	107.87	83	IAMS_20	IAMS_20	23 35 02.1	
MIAR	Mout Ida	107.90	59	IAMS_20	IAMS_20	23 39 51.2	
MIAR	Mout Ida	107.90	59	PKIKP	PKIKP	23 01 55.0	-1.9
MIAR	Mout Ida	107.90	59	P	Pdif	22 57 50.7	+1.1
SALI	Salinas	108.00	100	IAMS_20	IAMS_20	23 36 23.5	
HHAR	Hobbs	108.03	57	IAMS_20	IAMS_20	23 42 37.2	
BTLS	Baital	108.03	312	ePKIKP	PKIKP	23 01 55.5	-1.4
BTLS	Baital	108.03	312	ePP	PP	23 02 17.8	-1.9
WLAR	White Oak Lake	108.07	60	IAMS_20	IAMS_20	23 39 00.3	
MCRA	Macar, Loja	108.08	102	eP	PKIKP	23 02 10.3	+1.2
D32B	Dogwood Acres	108.12	46	P	Pdif	22 57 51.2	+0.7
Z41A	Richland Creek	108.22	61	P	Pdif	22 57 56.8	+5.8
Z41A	Richland Creek	108.22	61	P	Pdif	22 57 56.8	+5.8
ATAH	Atahualpa	108.35	106	PP	PP	23 02 19.0	-3.8
F33A	5 Mile Ranch	108.39	47	IAMS_20	IAMS_20	23 41 02.8	
F33A	5 Mile Ranch	108.39	47	P	Pdif	22 57 50.8	-0.7
LPA	La Plata	108.62	141	d/PDIF	Pdif	22 57 47.5	-5.4
LPA	La Plata	108.62	141	SDIFF	PP	23 02 28.3	
LPA	La Plata	108.62	141	PS	SSS	23 10 08.7	
LPA	La Plata	108.62	141	SSS	SSS	23 11 53.5	+5.0
TEIG	Tepech	108.74	75	IAMS_20	IAMS_20	23 39 27.7	
TEIG	Tepech	108.74	75	PP	PP	23 02 22.0	-3.3
JTS	Las Juntas de	108.78	86	PP	PP	23 02 26.5	+0.8
LVC	Limon Verde	108.81	124	PP	PP	23 03 25.0	-0.5
S39A	Bolivar	108.83	56	P	Pdif	22 58 00.8	+7.1
JACO	JACO, Garabito	108.85	87	IAMS_20	IAMS_20	23 35 51.0	
U40A	Yellville	108.90	58	P	Pdif	22 57 50.1	-3.9
U40A	Yellville	108.90	58	P	Pdif	22 57 50.1	-3.9
UALR	University of	108.95	59	IAMS_20	IAMS_20	23 42 19.8	
P38A	Dawn	109.08	54	IAMS_20	IAMS_20	23 41 59.9	
AGMN	Agassiz Nation	109.16	45	IAMS_20	IAMS_20	23 42 57.9	
AGMN	Agassiz Nation	109.16	45	PKIKP	PKIKP	23 01 57.5	-1.4
AGMN	Agassiz Nation	109.16	45	P	Pdif	22 57 54.6	-0.3
CCAR	Cane Creek	109.21	60	IAMS_20	IAMS_20	23 39 03.5	
143A	Soos Landing	109.23	62	P	Pdif	22 57 57.1	+1.6
545B	Wilberts Farm	109.36	65	P	Pdif	22 57 55.8	-0.4
FCAR	Ozark Folk Cen	109.37	58	IAMS_20	IAMS_20	23 39 57.9	
COVE	Coopve Vega, Sa	109.43	86	IAMS_20	IAMS_20	23 36 51.5	
LCR2	La Lucha 2	109.48	87	IAMS_20	IAMS_20	23 35 34.9	
ULM	Lac du Bonnet	109.51	43	IAMS_20	IAMS_20	23 42 35.8	
ULM	Lac du Bonnet	109.51	43	PKIKP	PKIKP	23 01 57.9	-1.6
N38A	Joeh South For	109.55	53	IAMS_20	IAMS_2		

19d 22h

Table with columns for call sign, name, frequency, power, mode, and status. Includes entries like CMRD Camardi-Nigde, KARAI Karaisali, MOUNT Meron Ar, etc.

20d 22h

Table with columns for call sign, name, frequency, power, mode, and status. Includes entries like TLBR Topalu, HARR Harsova, HARR Harsova, etc.

20d NOV

Table with columns for call sign, name, frequency, power, mode, and status. Includes entries like RDO Rodhopi, RDO Rodhopi, RDO Rodhopi, etc.

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Table with columns for call sign, name, frequency, power, mode, and status. Includes entries like RDO Rodhopi, RDO Rodhopi, RDO Rodhopi, etc.

Table with columns: PRA, Prague, 144.91 331, ePKP, PKPdf, 23 03 05.9 -0.2, etc. Includes stations like Praha, Pruhonice, Trest, etc.

Table with columns: IOMK, Kirk Michael, 146.77 353, eP, PKPdf, 23 03 08.5 -0.6, etc. Includes stations like Kalavryta, LAKA, Market Rasen, etc.

Table with columns: AQU, L'Aquila, 150.58 321, PKP, PKPdf, 23 03 14.8 -0.9, etc. Includes stations like Carmenellis, Villacellomans, Celeste, etc.

19d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PVFI Vila Bisbo, SFS San Fernando, GOG Mont Gurgu, etc.

BGR 19 22:51:26.7, 25.38S-168.41E, h33km
IDC 19 22:51:30.0, 0.7, 21.44S; 168.71E, h0km, mb4.8/11,
mbtmp4.8/12, ML4.5/1, Error ellipse: s-maj=23.9km
s-min=19.8km az=128.0

NEIC 19 22:51:33.1, 1.8, 21.39S; 0.05-168.63E; 0.04, h16km, 4km,
mb5.0/19, Error ellipse: s-maj=7.1km s-min=5.2km
az=174.0

ISC 19 22:51:32.9, 0.4, 21.144S; 0.06-168.62E; 0.06, h20km, n88,
+1501/85, mb4.9/22, AZC, Loyalty Islands

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

2017 NOV

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARCES ARCES Array B, BDFB Brasilia, FINES FINES Array B, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DBG Daneborg, ZF12 Zemlyia Franca, OMEGA Omega, etc.

19d 23h

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PRA Prague, PRU Pruhonice, HSKA Hora Svate Kat, etc.

BGR 19 23:03:56.8, 26.14S, 171.16E, h28km
IDC 19 23:04:04.1, 0.7, 21.48S, 168.82E, h0km, mb4.4/1.3,
mbtmp4.4/1.4, ML3.24, Error ellipse: s-maj=24.7km
s-min=18.0km az=147.0

NEIC 19 23:04:06.1, 1.4, 21.69S, 0.05, 168.73E, s-maj=10.4km, h10km, 1km,
mb4.9/2.7, Error ellipse: s-maj=9.3km s-min=5.7km
az=11.0

ISC 19 23:04:05.0, 0.4, 21.62S, 0.07, 168.78E, h10km, n107,
a1508/113, mb4.6/2.8, 3C-3D, Loyalty Islands

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, PINNC Pines Island, LIFNC LIFOU, etc.

2017 NOV

Main table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TOO Toolangi, STKA Stephens Creek, WR0 Warramunga Arr, etc.

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Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ABTA Abfaltersbach, CLUD Cludico, WATA Waidersalm, etc.

IDC 19 23:05:06.8, 4.0, 21.09S, 168.37E, h0km, mb4.1/2,
mbtmp4.2/3, Error ellipse: s-maj=157.5km s-min=30.8km
az=144.0

NEIC 19 23:05:07.3, 1.4, 21.13S, 0.10, 168.4E, 0.1, h10km, 1km,
mb4.7/2.0, Error ellipse: s-maj=16.8km s-min=15.5km
az=133.0

ISC 19 23:05:09.5, 0.5, 21.15S, 0.09, 168.46E, 0.07, h30km, n33,
a1501/35, mb4.6/1.1, 4C, Loyalty Islands

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, DZM Waidersalm, MSVF Nonsauv, etc.

ASAR Alice Springs 32.00 259 P P 23 11 34.3 +0.9
comp=Z, 3.0nm, 0.8s, baz=87, slow=8.9, SNR=1.3

NWAO Narrogin (SRO) 46.71 244 P P 23 13 35.7 -0.2
NWAO comp=Z, 1.9nm, 1.2s

JCJ Chichijima 54.29 331 P P 23 14 32.9 -0.1
SBUM Sibiu 59.80 286 P P 23 15 12.7 +0.3

QSPA South Pole Qui 68.91 180 P P 23 16 12.6 +1.2
QSPA comp=Z, 6.3nm, 1.3s

YSS Yuzh-Sakhalins 17.75 325 P P 23 16 29.2 +1.1
MDJ Mudanjiang 74.45 332 P P 23 16 44.6 -0.1

MDJ Mudanjiang 74.45 332 P P 23 16 45.6 -0.1
MDJ comp=Z, 1.9nm, 1.2s

CHT Chiang Mai 78.79 295 P P 23 17 10.2 +0.4
CHT comp=Z, 2.8nm, 1.3s

SDPT Sand Point 80.66 17 P P 23 17 19.2 +0.1
MA2 Magadan 81.73 351 P P 23 17 34.1 +1.3

CHG Chignik 82.07 P P 23 17 27.4 +0.8
CLL Colim 144.31 333 ePKPbc PKPpdf 23 24 42.0 -0.4

GERES GERRSS Array B 145.80 330 ePKPbc pPKPpdf PKPab 23 24 51.0 0.0
comp=Z, 3.4nm, 0.7s, baz=58, slow=3.2, SNR=3.9

DAVOX Davos/Dischmat 149.63 331 PKPbc PKPab 23 24 56.2 0.0
comp=Z, 7.8nm, 0.7s, baz=56, slow=2.2, SNR=3.8

DJA 19 23:14:39.1, 0.5, 9.5S, 5.119E, h130km, gkm, M3.9/7,
ML3.9/7, Sumbawa region

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PLAI Plampang, TWSI Taiwang, Sumb, BANG Baing, Sumba, etc.

IDC 19 23:15:14.8, 1.1, 21.76S, 168.99E, h0km, mb4.2/8,
mbtmp4.2/9, Error ellipse: s-maj=36.6km s-min=23.8km
az=168.0

NEIC 19 23:15:17.4, 1.4, 21.72S, 0.06, 168.81E, 0.1, h10km, 1km,
mb4.6/1.1, Error ellipse: s-maj=10.4km s-min=3.2km
az=5.0

ISC 19 23:15:17.2, 0.5, 21.74S, 0.06, 168.80E, 0.05, h10km, n50,
a1503/53, mb4.2/1.2, 4C, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like MLZ Mavora Lakes, WRA Warrungarra Arr, MAW Mawson, CMAR Chiang Mai Arr, BELA Belgrano 2, TROLL Troll, ANAA Sanae, SNAAS SNAAS, SNAAS SNAAS, ILSW Illiamna Southw, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SONM Songoing Array, VTX Valle De La Tr, NVAR Mina Array Bea, ILAR Eielson Array, DPC Dobruska-Polom, PRU Pruhonice, HSKC Hora Svate Kat, ZVC Zvikov, ZONC Rosalia, Austr, CONA Conrad Observa, CKRC Cesky Krumlov, KHC Kasperske Hory, ABTA Abfaltersbach, WATA Walderalm, WTTA Wattenberg, MOTA Moosalm, SQTa Sankt Quirin, FETA Feichten.

IDC 19 23:18:25.9.3.7, 21.125:169.52E, h0km, mb3.8/2, mbmp3.9/3, ML3.9/1, Error ellipse: s-maj=183.7km s-min=28.3km az=149.0

ISC 19 23:18:28.8.3.1, 21.15:109.168E:0.6, h36km, n11, o84/10, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like DZM Mont Dzumac, WRA Warrungarra Arr, ASAR Alice Springs, ARCES ARCESS Array B, EKA Eskdalemuir Ar, CONA Conrad Observa, ABTA Abfaltersbach, WTTA Wattenberg, MOTA Moosalm, SQTa Sankt Quirin, FETA Feichten.

IDC 19 23:19:21.4.0.6, 32.57N:139.36E, h174km, 8km, mb3.4/13, mbmp3.9/16, Error ellipse: s-maj=36.0km s-min=11.2km az=72.0

JMA 19 23:19:22.8.0.4, 32.77N:138.13E:9.1, h190km, 3km, MV3.7/33, NEAR HACHUOJIMA ISLAND

ISC 19 23:19:23.0.3.8, 32.67N:139.45E:0.07, h200km, n38, o181/42, mb3.6/13, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like JAOM Agoshimamukai, JHJC Hachiojimakas, JHJH Hachiojima 2, JHJH Boso 1, JHJH Boso 2, JHJ2 Mitsune, JMKM Mikurajimanish, JMYK Miyake Tsubota, JKO Kozu shima, TK02 Tokai 2, JIM2 Oshima 3, JIZS Izu shimoda, TK04 Tokai 4, TT02 TONANKAI O.B.S, IS01 Boso 1, BS01 Boso 1, TSO1 TONANKAI O.B.S, JOD2 Odawara 2, JIE Ise, JYGN Shimob, JRY Ryugami san, JYR JRY, JTNC Tanabekakech, JAG Ashikaga, MJAR Matsushiro Arr, MJAR Muro, JCY Chichijima, KRSR Korea Array, USRK Ussuriysk Arr, SONM Songoing Array, ZALV Zalesovo Beam, MKAR Rikanchel Array, KURBB Kurchatov Arra.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like BVAR Borovoye Array, WRA Warrungarra Arr, ASAR Alice Springs, ARCES ARCESS Array B, FINES FINES Array B, AKASA Main Array B, HFS Hagfors, NB2 NORSAR Subarra, NOA NORSAR Array B, BRTR Keskin Array B.

BGR 19 23:23:17.5.25:80S:168.48E, h33km IDC 19 23:23:21.0.1.1, 21.149S:168.80E, h0km, mb4.1/6, mbmp4.1/7, ML4.0/1, Error ellipse: s-maj=48.3km s-min=20.9km az=155.0

NEIC 19 23:23:21.6.0.8, 21.35S:0.07:168.85E:0.04, h10km, 1km, mb4.6/9, Error ellipse: s-maj=12.9km s-min=5.3km az=339.0

ISC 19 23:23:21.7.0.5, 21.38S:0.08:168.83E:0.07, h10km, n59, o89/57, mb4.3/13, AZC Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like MARNC Mare, Loyalty, LIFINC LIFOU, PINNC Pines Island, DZM Mont Dzumac, ONTNC Ouen Toro, KOUNC Koumang, TOZ Tahoroa Road, TCW Tur Channel, BBOO Buckleboe, WRD Warrungarra Arr, WBD Warrungarra Arr, WBO WBO, WRA Warrungarra Arr, ASAR Alice Springs, JCJ Chichijima, PTCN Pitcairn Islan, MYLDM Lahad Datu, GSPA South Pole Qui, TROLL Troll, ANAA Sanae, SNAAS SNAAS, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SONM Songoing Array, NVAR Mina Array Bea, ILAR Eielson Array, BVAR Borovoye Array, FINES FINES Array B, CLL Collin, RICC Richard, PRU Pruhonice, HSKC Hora Svate Kat, ZVC Zvikov, EKA Eskdalemuir Ar, RONA Rosalia, Austr, NKNC Novy Kostel, CONA Conrad Observa, CKRC Cesky Krumlov, KHC Kasperske Hory, GERES GERES Array B, ARSA Arzberg, MGA Mollin, GRO Grafenberger Arr, BIOA Bad Ischl, Aus, LESA Lesa, MYKA Terra Mystica, ABTA Abfaltersbach, WATA Walderalm, WTTA Wattenberg, MOTA Moosalm, SQTa Sankt Quirin, RETA Reutte, FETA Feichten, DAVA Danu's Arr, ESCD Sonseca Array.

BGR 19 23:24:35.8.26:75S:169.91E, h33km NOU 19 23:24:41.4.1.2, 33S:169.00E, h0km, MLV.5.1/7, Southeast of Loyalty Islands

IDC 19 23:24:43.7.0.5, 21.43S:168.79E, h0km, mb4.7/22, mbmp4.7/23, Error ellipse: s-maj=14.6km s-min=13.8km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like MARNC Mare, Loyalty, LIFINC LIFOU, PINNC Pines Island, DZM Mont Dzumac, ONTNC Ouen Toro, KOUNC Koumang, TOZ Tahoroa Road, TCW Tur Channel, BBOO Buckleboe, WRD Warrungarra Arr, WBD Warrungarra Arr, WBO WBO, WRA Warrungarra Arr, ASAR Alice Springs, JCJ Chichijima, PTCN Pitcairn Islan, MYLDM Lahad Datu, GSPA South Pole Qui, TROLL Troll, ANAA Sanae, SNAAS SNAAS, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SONM Songoing Array, NVAR Mina Array Bea, ILAR Eielson Array, BVAR Borovoye Array, FINES FINES Array B, CLL Collin, RICC Richard, PRU Pruhonice, HSKC Hora Svate Kat, ZVC Zvikov, EKA Eskdalemuir Ar, RONA Rosalia, Austr, NKNC Novy Kostel, CONA Conrad Observa, CKRC Cesky Krumlov, KHC Kasperske Hory, GERES GERES Array B, ARSA Arzberg, MGA Mollin, GRO Grafenberger Arr, BIOA Bad Ischl, Aus, LESA Lesa, MYKA Terra Mystica, ABTA Abfaltersbach, WATA Walderalm, WTTA Wattenberg, MOTA Moosalm, SQTa Sankt Quirin, RETA Reutte, FETA Feichten, DAVA Danu's Arr, ESCD Sonseca Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like BUI BUI, NEIC NEIC, MOS MOS, Code Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like MARNC Mare, Loyalty, PINNC Pines Island, QUENC Queen Island, DZM Mont Dzumac, ONTNC Ouen Toro, NOUNC Noumea, KOUNC Koumang, NFK Norfolk Island, MSVF Nonsavu, EIDS Eidsvoll, TOZ Tahoroa Road, ARMA Armidale, HIZ HIZ, URZ Urewera, RTZ Rutahuna, BKZ Black Stump Fm, RMK Roma, MGCD Mangrove Creek, TKNZ Takaka Hill, MRZ Mangatainoka, NNZ Nelson, MRNZ Maritiki Terra, BFZ Birch Farm, TCW Tur Channel, NIUE Niue, NIUE Niue, DSZ Denniston Nort, TUWZ Tuamarina, THZ Tophouse, BSWZ Blackbirch Sta, PLWZ Palliser, CTA Charters Tower, CTAO Charters Tower, KHZ Kahutara, INZ Inchbonnie, LTZ Lake Taylor, GVZ Greta Valley S, CNB Canberra Magde, OXZ Oxford, FOZ Fox Glacier, CAN Canberra, CAN Canberra, RPZ Rata Peaks, MOZ McQueen's Val, LBZ Lake Benmore, CMSA Cobar Meteorol, QLP Quilpie, MTSU Mount Surprise, ODZ Otahu Downs, KRVT Keravat, DCG Deep Cove, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, WHZ Wether Hill Ro, CTZ Chatham Island, COEN Coen, TOO Toolangi, TOO Toolangi, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, QIS Mount Isa, MANU Manus Island, HRT Hallett, RAR Rarotonga.

19d 23h

Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like BBOO, WRRO, WB0, WRB, WRAB, WRAP, WRA, AS31, ASAR, ASAR, ASAR, KDU, MTN, MTN, MTN, WRKA, FORT, FORT, FORT, KNRA, KNRA, FAKI, FAKI, KMBL, SOEI, SOEI, PSA00, PSA00, MEEK, SANI, SANI, KLBR, NWA0, NWA0, NWA0, NWA0, MORW, MORW, KAPI, KAPI, KAPI, KAPI, TWSI, TWSI, TOL2, TOL2, MPFI, MPFI, Vnda, Vnda, Vnda, Vnda, SBA, SBA, SBA, SBA, CASY, CASY, CGJ1, CGJ1, MJAR, MJAR, KNMB, KNMB, QSPA, QSPA, JKA, JKA, ASAJ, ASAJ, ASAJ, ASAJ, KSAR, KSAR, US0A, US0A, USR3, USR3, USR3, USR3, SRIT, SRIT, MDJ, MDJ, MDJ, MDJ, MAW, MAW, CN2, CN2, BNX, BNX, LYN, LYN, LYN, LYN, KLR, KLR, BJT, BJT.

2017 NOV

Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like BJT, BJT, CRAI, CRAI, CRAI, CRAI, CRAI, CRAI, CHTO, CHTO, CHTO, CHTO, XAN, XAN, XAN, XAN, BELA, BELA, HHC, HHC, SMAI, SMAI, BTO, BTO, BTO, BTO, BTO, BTO, HIA, HIA, HIA, HIA, ZEA, ZEA, ELIB, ELIB, LZH, LZH, LZH, SEY, SEY, SEY, TROLL, TROLL, SNA, SNA, SNA, SNA, VNA3, VNA3, VNA2, VNA2, VNA1, VNA1, ULN, ULN, ULN, ULN, SONM, SONM, YAK, YAK, CMB, CMB, CMB, CMB, AFDM, AFDM, EDW2, EDW2, ISA, ISA, ISA, ISA, ISA, ISA, MURC, MURC, BILL, BILL, MONP2, MONP2, IKP, IKP, RMX, RMX, LRMC, LRMC, OMMB, OMMB, TPFO, TPFO, WAKR, WAKR, CWC, CWC, PNTR, PNTR, MPMC, MPMC, BELC, BELC, DSP, DSP, LHV, LHV, PAHR, PAHR, QSM, QSM, RYN, RYN, BC3, BC3, NVAR, NVAR, GRAC, GRAC, NV11, NV11, FURC, FURC, GWY, GWY, GMM, GMM, GMR, GMR, MZP, MZP, TUQ, TUQ, KVN, KVN.

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Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like KVN, KVN, WCT, WCT, BOD, BOD, BOD, BOD, TPH, TPH, TPH, BLYC, BLYC, TPNV, TPNV, TPNV, TPNV, TPNV, TPNV, PDMCI, PDMCI, 214A, 214A, SHWR, SHWR, WVOR, WVOR, WVOR, WVOR, PRN, PRN, PRN, ILAR, ILAR, E20K, E20K, N30M, N30M, F22K, F22K, S34M, S34M, E21K, E21K, E22K, E22K, KNB, KNB, KNB, U15A, U15A, C21K, C21K, M30M, M30M, M30M, EGAK, EGAK, EGAK, D22K, D22K, F24K, F24K, E23K, E23K, B21K, B21K, E24K, E24K, I27K, I27K, D23K, D23K, C23K, C23K, I30M, I30M, D25K, D25K, E27K, E27K, EPYK, EPYK, C26K, C26K, G30M, G30M, E28M, E28M, TXAR, TXAR, WMQ, WMQ, PDAR, PDAR, C36M, C36M, MKAR, MKAR, MKAR, MKAR, KURBB, KURBB, BVAR, BVAR, BVAR, BVAR, BRVK, BRVK, ABKAR, ABKAR, ARU, ARU, ARU, ARU, GEYT, GEYT, SPITS, SPITS, SPITS, PRGR, PRGR, PRGR, BELG, BELG, ARCES, ARCES, BDBF, BDBF, BDBF, BDBF, VRH, VRH, LPSR, LPSR, VORD, VORD, VORD, VSR, VSR, VSR, OBN, OBN, OBN, OBN, GURO, GURO, BBSR, BBSR, FINES, FINES, ANN, ANN.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like JAGI, KBKI, ABJI, etc.

2017 NOV

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like INCN, NJ2, KULM, etc.

1450

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like BJT, BJI, CRAI, etc.

N15K	comp=Z,119nm,2.5s	85.23	15	P	IAMS_20	IAMS_20	00 21 59.6	-0.1
N15K	comp=Z,5um,21.0s	85.23	15	P	IAMS_20	IAMS_20	00 21 58.6	-1.1
O16K	Kokwok River B	85.23	16	IAMS_20	IAMS_20	01 06 58.9		
O16K	Kokwok River B	85.23	16	P	P	00 21 58.4	-1.3	
Q18K	Katmai Hardscr	85.28	18	P	P	00 21 59.9	-0.1	
KDAK	Kodiak Island	85.29	20	IAMS_20	IAMS_20	01 03 59.6		
KDAK	Kodiak Island	85.29	20	P	P	00 21 59.7	-0.3	
KDAK	Kodiak Island	85.29	20	i	pmax	00 22 03.3	+3.3	
KDAK	comp=Z,94nm,1.5s			MLR	MLR			
M14K	Bethel	85.31	14	P	P	00 22 00.9	+0.9	
P17K	Kvichak River	85.33	17	P	P	00 22 00.3	+0.1	
M15K	Kasigluk River	85.56	15	P	P	00 22 01.8	+0.6	
O17K	Koligek Bris	85.65	17	P	P	00 22 01.8	+0.1	
L14K	Kuka Creek	85.69	13	IAMS_20	IAMS_20	01 07 04.8		
L14K	Kuka Creek	85.69	13	P	P	00 22 01.5	-0.3	
N16K	Nishlik Lake	85.83	15	P	P	00 22 03.0	+0.4	
P18K	Big Mountain,	85.84	18	P	P	00 22 02.9	+0.2	
P18K	Big Mountain,	85.84	18	P	P	00 22 03.2	+0.5	
Q19K	Cape Douglas,	85.91	18	IAMS_20	IAMS_20	01 06 20.8		
Q19K	Cape Douglas,	85.91	18	P	P	00 22 01.7	-1.4	
Q20K	Shuyak Island	86.02	19	P	P	00 22 03.4	-0.2	
SY1	Shuyak Island	86.02	19	IAMS_20	IAMS_20	01 08 10.3		
O18K	Koktuh Hills	86.23	17	P	P	00 22 05.3	+0.7	
L15K	Ungalak Mounta	86.25	14	P	P	00 22 05.5	+0.9	
M16K	Timber Creek	86.25	15	P	P	00 22 05.1	+0.4	
M16K	Timber Creek	86.25	15	P	P	00 22 05.8	+1.1	
TROLL	Troll, Antarti	86.26	184	↑P	P	00 22 04.0	-1.0	
N17K	Nushagak Hills	86.27	16	IAMS_20	IAMS_20	01 05 42.9		
N17K	Nushagak Hills	86.27	16	P	P	00 22 05.6	+0.8	
GAMB	Gambell	86.35	9	P	P	00 22 05.5	+0.4	
NVL	N'lazarevskaya	86.57	187	eP	pmax	00 22 03.0	-3.4	
NVL	comp=Z,47nm,1.3s			MLR	MLR			
P19K	Oil Pt	86.62	18	IAMS_20	IAMS_20	01 07 34.8		
P19K	Oil Pt	86.62	18	P	P	00 22 07.2	+0.6	
L16K	Owhat River	86.73	15	IAMS_20	IAMS_20	01 07 16.5		
L16K	Owhat River	86.73	15	P	P	00 22 07.9	+0.9	
N18K	Kilae Creek	86.74	17	IAMS_20	IAMS_20	01 05 39.0		
N18K	Kilae Creek	86.74	17	P	P	00 22 07.1	0.0	
O19K	Port Alsworth	86.76	17	IAMS_20	IAMS_20	01 05 52.5		
J14K	Nanvaranak Lak	86.77	12	IAMS_20	IAMS_20	01 07 11.0		
J14K	Nanvaranak Lak	86.77	12	P	P	00 22 08.1	+0.9	
K15K	Wolf Creek Mou	86.78	13	IAMS_20	IAMS_20	01 06 56.4		
K15K	Wolf Creek Mou	86.78	13	P	P	00 22 07.7	+0.4	
SNA	Sanae	86.90	183	P	IAMB	00 22 07.2	-0.8	
SNA	comp=Z,95nm,1.2s	86.90	183	↑P	P	00 22 07.2	-0.8	
SNA	comp=Z,840nm,1.1s	86.90	183	P	P	00 22 07.2	-0.8	
SNA	comp=Z,95nm,1.2s	86.90	183	pmax	pmax			
SNA	comp=Z,67nm,1.1s,baz=171,slow=4.9,SNR=57	86.90	183	P	LR	00 22 07.2	-0.8	
ILSW	Ilana South	86.92	18	IAMS_20	IAMS_20	01 08 52.6		
M17K	Holittna River	86.96	16	P	P	00 22 08.2	0.0	
HOM	Homer	87.10	19	IAMS_20	IAMS_20	01 07 23.3		
HOM	Homer	87.10	19	P	P	00 22 07.9	-0.9	
CNPM	China Foot	87.12	19	IAMS_20	IAMS_20	01 07 30.8		
Q20K	Slope Mountain	87.15	18	P	P	00 22 08.4	-0.8	
SVW2	Sparveohn	87.17	16	IAMS_20	IAMS_20	01 08 39.2		
N19K	Bonanza Creek	87.23	17	IAMS_20	IAMS_20	01 06 15.0		
N19K	Bonanza Creek	87.23	17	P	P	00 22 08.8	-0.8	
MCCM	Maroni Confer	87.30	47	P	IAMS_20	IAMS_20	01 08 31.4	
MCCM	comp=Z,7um,20.0s	87.33	53	P	P	00 22 09.5	-1.2	
L17K	Donlin	87.38	15	P	P	00 22 10.9	+0.7	
BRSE	Bradley Lake S	87.44	19	P	P	00 22 10.9	+0.4	
M18K	Stony River	87.44	16	P	P	00 22 11.8	+1.4	
VNA3	Neumayer Olymp	87.50	180	↑P	P	00 22 09.4	-1.5	
HOPS	Hopland Field	87.59	46	P	P	00 22 12.0	+0.2	
KCPM	Cahto Peak	87.60	46	P	IAMB	00 22 12.3	+0.4	
KCPM	comp=E,10.0nm,1.3s			IAMB	IAMB	00 22 37.5		
SCZ2	Santa Cruz Isl	87.60	52	P	P	00 22 12.2	+0.2	
SAO	San Andreas Ge	87.61	49	P	IAMB	00 22 11.7	-0.2	
SAO	comp=Z,34nm,1.0s			IAMS_20	IAMS_20	01 06 26.7		
SAO	comp=Z,7um,20.0s	87.61	49	P	pmax	00 22 11.7	-0.2	
KMPM	Mount Pierce	87.62	45	P	P	00 22 12.4	+0.4	
CIT	Chita	87.62	329	eP	e	00 22 12.6	+1.0	
CIT	comp=Z,403nm,2.6s			pmax	pmax	00 22 17.9		
GDXM	Geysers	87.69	47	P	IAMB	00 22 12.7	+0.4	
GDXM	comp=Z,119nm,1.7s	87.75	52	P	P	00 22 13.5	+0.9	
SBC	Santa Barbara	87.75	52	P	P	00 22 11.1	-1.2	
VNA2	Neumayer-Watz	87.79	181	↑P	P	00 22 11.1	-1.2	
KMRM	Mali Ridge	87.79	45	P	IAMB	00 22 13.4	+0.7	
KMRM	comp=Z,45nm,0.9s			IAMB	IAMB	00 22 28.3		
PMPB	Monarch Peak	87.81	50	P	IAMB	00 22 13.6	+0.6	
PMPB	comp=Z,68nm,1.1s			IAMB	IAMB	00 22 29.0		

BBGB	Big Mountain B	87.81	49	P	IAMB	IAMB	00 22 13.9	+0.9
BBGB	comp=Z,71nm,1.1s			IAMB	IAMB	00 22 40.4		
L18K	Granite Mounta	87.84	15	P	IAMB	IAMB	00 22 12.9	+0.6
L18K	comp=Z,116nm,1.9s			IAMS_20	IAMS_20	01 08 19.4		
L18K	comp=Z,9um,22.0s	87.84	15	P	P	00 22 13.3	+0.9	
J16K	Anvik River	87.86	13	IAMS_20	IAMS_20	01 06 45.9		
J16K	Anvik River	87.86	13	P	P	00 22 13.3	+0.8	
JCC	Jacoby Creek,	87.88	44	IAMS_20	IAMS_20	01 03 30.7		
K17K	Iditarod	87.88	15	IAMS_20	IAMS_20	01 08 53.4		
K17K	Iditarod	87.88	15	P	P	00 22 13.8	+1.2	
PKM	Mpherson Peak	87.89	51	P	P	00 22 14.1	+0.6	
SMMC	Simmler	87.95	51	P	P	00 22 14.0	+0.4	
VNA1	Neumayer-Stat	88.08	181	↑P	P	00 22 12.6	-1.0	
ANM	Nome	88.09	11	IAMS_20	IAMS_20	01 06 24.1		
ANM	Nome	88.09	11	P	P	00 22 13.8	+0.3	
KHMM	Horse Mountain	88.11	44	P	IAMB	IAMB	00 22 14.3	-0.1
KHMM	comp=Z,53nm,1.3s			IAMB	IAMB	00 22 18.2		
CAPN	Captain Cook N	88.14	18	IAMS_20	IAMS_20	01 09 08.9		
CAPN	Captain Cook N	88.14	18	P	P	00 22 14.2	+0.4	
M19K	Big River Lodg	88.16	16	IAMS_20	IAMS_20	01 04 34.7		
M19K	Big River Lodg	88.16	16	P	P	00 22 14.1	+0.2	
N20K	Mount Spurr	88.18	18	P	P	00 22 15.2	-2.0	
BCW	Bitter Crk WRG	88.20	51	P	P	00 22 15.3	+0.4	
L19K	Catalina Islan	88.23	53	P	P	00 22 13.7	-1.3	
C19K	White Mountain	88.28	16	IAMS_20	IAMS_20	01 08 16.7		
L19K	White Mountain	88.28	16	P	P	00 22 15.1	+0.6	
KRMB	Red Mountain	88.32	44	P	P	00 22 16.6	+1.3	
O22K	Cooper Landing	88.34	19	IAMS_20	IAMS_20	01 06 21.2		
I17K	Unalakleet	88.38	13	IAMS_20	IAMS_20	01 09 18.9		
GTA	Gaotai	88.38	314	eP	pP	00 22 16.8	+1.1	
GTA	comp=Z,13nm,1.3s			pP	pmax	00 22 27.0	+1.1	
GTA	comp=Z,1um,17.8s			LR	LR			
GTA	comp=Z,2um,18.9s			LR	LR			
GTA	comp=Z,2um,19.3s			LR	LR			
ULN	Ulanbatar	88.43	324	P	P	00 22 16.1	+0.3	
ULN	Ulanbatar	88.43	324	eP	pmax	00 22 15.0	-0.7	
M20K	Styx River	88.48	17	IAMS_20	IAMS_20	01 09 26.0		
M20K	Styx River	88.48	17	P	P	00 22 15.9	+0.3	
OSI	Osito Audit: C	88.55	52	P	P	00 22 15.9	-0.6	
TNA	Tin City	88.59	9	P	P	00 22 15.7	-0.2	
Q23K	Middleton Isla	88.61	21	IAMS_20	IAMS_20	01 05 27.6		
Q23K	Middleton Isla	88.61	21	P	P	00 22 14.8	-1.2	
MID	Middleton Isla	88.61	21	IAMS_20	IAMS_20	01 03 33.5		
TTA	Tatalina	88.61	15	P	P	00 22 15.3	-0.8	
P23K	Montague Islan	88.69	20	P	P	00 22 17.9	+1.5	
ARVC	Arvin	88.71	51	P	P	00 22 17.6	+0.4	
FIS	Fire Island	88.72	19	IAMS_20	IAMS_20	01 05 30.6		
G15K	Arctic Creek	88.72	11	P	P	00 22 18.5	+2.0	
H16K	Elim	88.73	12	P	P	00 22 18.3	+1.8	
PASC	Pasadena Art C	88.75	52	P	P	00 22 16.4	-1.0	
F14K	Arctic Creek	88.76	10	P	P	00 22 17.7	+1.0	
SOMN	Songino Array	88.77	323	P	P	00 22 17.3	0.0	
SOMN	Songino Array	88.77	323	pmax	pmax			
SOMN	comp=Z,249nm,2.0s	88.77	323	P	LR	00 22 17.6	+0.2	
SOMN	comp=Z,20nm,1.0s,baz=141,slow=4.4,SNR=61			PKKPbc	PKKPbc	00 39 58.6	-0.6	
SOMN	comp=Z,1.2nm,1.0s,baz=243,slow=4.7,SNR=4.2			PKPKP	PKPKP	00 48 05.9	+3.3	
L20K	Farewell Ak,	88.78	16	P	P	00 22 18.5	+1.7	
SUA	Susitna One	88.81	18	IAMS_20	IAMS_20	01 04 45.7		
SUA	Susitna One	88.81	18	P	P	00 22 16.5	-0.7	
RC01	Rabbit Creek A	88.82	19	IAMS_20	IAMS_20	01 09 41.7		
RC01	Rabbit Creek A	88.82	19	P	P	00 22 18.5	+1.5	
VES	Vestial Richgr	88.86	51	P	P	00 22 18.3	+0.4	
VOG	Valley Oaks Go	88.86	50	P	P	00 22 16.7	-1.1	
YAK	Yakutsk	88.89	343	P	IAMS_20	IAMS_20	00 59 45.8	
YAK	comp=Z,4um,21.0s	88.89	343	eP	eP	00 22 17.5	+0.2	
YAK	comp=Z,20nm,1.0s			eS	SSac	00 22 21.4	-1.4	
YAK	comp=Z,20nm,1.0s			e	e	00 33 10.1	+0.3	
YAK	comp=Z,20nm,1.0s			eSS	SS	00 38 58.6	+1.6	
YAK	comp=Z,56nm,1.0s			pmax	pmax	00 42 35.5		
YAK	comp=N,10.0nm,1.0s			pmax	pmax			
YAK	comp=E,10.0nm,1.3s			pmax	pmax			
YAK	comp=Z,607nm,3.7s			pmax	pmax			
YAK	comp=N,475nm,3.5s			pmax	pmax			
YAK	comp=E,334nm,3.7s			smax	smax			
YAK	comp=E,246nm,3.1s			smax	smax			
J18K	Innoko River	88.90	15	P	IAMB	IAMB	00 22 17.2	-0.2
J18K	comp=Z,52nm,1.6s			IAMS_20	IAMS_20	01 08 02.4		
J18K	comp=Z,8um,21.0s	88.90	15	P	P	00 22 17.1	-0.2	
ORV	Oroville	88.93	46	P	IAMS_20	IAMS_20	01 09 38.5	
ORV	comp=Z,7um,22.0s	88.93	46	P	pmax	00 22 17.8	-0.3	
ORV	comp=Z,160nm,2.0s	88.96	48	P	P	00 22 18.3	-0.1	
CMB	Columbia Colle	88.96	48	P	IAMS_20	IAMS_20	01 07 47.5	
CMB	comp=Z,7um,21.0s	88.96	48	P	P	00 22 18.3	-0.1	
CMB	Columbia Colle	88.96	48	P	P	00 22 18.6	+0.1	
109C	Camp Elliot, M	88.98	54	P	IAMS_20	IAMS_20	01 03 03.1	

109C	Camp Elliot, M	88.98	54	P	P	P	00 22 19.4	+1.0
AFDM	Forest Hills D	89.00	47	P	IAMB	IAMB	00 22 18	

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GSC	comp=Z,7um,22.0s	Goldstone, Bar	90.27	52	P	I	I	00 22 24.5	-0.1
GSC	comp=Z,75nm,1.6s	Goldstone, Bar	90.27	52	P	P	00 22 24.6	0.0	
GSC	comp=Z,75nm,1.6s	Goldstone, Bar	90.27	52	P	P	00 22 24.5	-0.1	
BELC	comp=Z,36nm,1.0s	Belle Mtn. Jos	90.30	53	P	P	00 22 24.6	-0.2	
KLU	comp=Z,36nm,1.0s	Klutina	90.30	20	P	P	00 22 24.6	+0.5	
CHUM	comp=Z,36nm,1.0s	Lake Minchumin	90.34	16	P	P	00 22 24.8	+0.7	
BMRM	comp=Z,36nm,1.0s	Bremner River	90.34	21	P	P	00 22 25.3	+1.0	
DSP	comp=Z,36nm,1.0s	Deep Springs	90.35	50	P	I	00 22 24.6	-0.2	
DSP	comp=Z,36nm,1.0s	Deep Springs	90.35	50	P	I	00 22 24.0	-0.2	
GOMU	comp=Z,30nm,0.9s	GeErMu	90.37	309	P	P	00 22 27.1	+1.7	
GOMU	comp=Z,30nm,0.9s	GeErMu	90.37	309	P	P	00 22 30.3	-0.5	
GOMU	comp=Z,30nm,0.9s	GeErMu	90.37	309	P	P	00 22 33.4	+0.7	
GOMU	comp=Z,9.0nm,1.1s				LR	LR			
GOMU	comp=Z,1um,18.5s				LR	LR			
GOMU	comp=Z,710nm,18.4s				LR	LR			
GOMU	comp=Z,2um,18.2s				LR	LR			
LHV	comp=Z,36nm,1.0s	Little Huntoon	90.38	49	P	I	00 22 24.2	-0.6	
LHV	comp=Z,36nm,1.0s	Little Huntoon	90.38	49	P	I	00 22 40.2	-0.6	
HEC	comp=Z,36nm,1.0s	Hector, Ludlow	90.41	53	P	P	00 22 25.6	+0.3	
PAHR	comp=Z,36nm,1.0s	Pah Rah Range	90.44	47	P	P	00 22 24.8	-0.5	
GSM	comp=Z,36nm,1.0s	Queen of Sheba	90.45	51	P	P	00 22 24.1	-1.2	
TRF	comp=Z,36nm,1.0s	Thorfare Moun	90.43	17	P	P	00 22 24.9	-0.3	
WAT1	comp=Z,36nm,1.0s	Susitna Watana	90.53	18	P	P	00 22 26.5	+1.4	
F17K	comp=Z,36nm,1.0s	Baldwin Pennin	90.53	12	IAMS_20	IAMS_20	01 04 03.4		
F17K	comp=Z,36nm,1.0s	Baldwin Pennin	90.53	12	P	P	00 22 25.5	+0.6	
RYN	comp=Z,36nm,1.0s	Ryan	90.53	48	P	P	00 22 25.7	-0.1	
I20K	comp=Z,36nm,1.0s	Naaghedeneel	90.55	15	IAMS_20	IAMS_20	01 04 38.6		
I20K	comp=Z,36nm,1.0s	Naaghedeneel	90.55	15	P	P	00 22 25.8	+0.8	
BC3	comp=Z,36nm,1.0s	Big Chuckawall	90.56	54	P	P	00 22 26.6	+0.6	
G18K	comp=Z,36nm,1.0s	Tagagawik	90.56	13	IAMS_20	IAMS_20	01 05 46.7		
G18K	comp=Z,36nm,1.0s	Tagagawik	90.56	13	P	P	00 22 25.3	+0.2	
WAT6	comp=Z,36nm,1.0s	Susitna Watana	90.58	19	P	P	00 22 24.9	-0.6	
NVAR	comp=Z,36nm,1.0s	Mina Array Bea	90.60	49	P	P	00 22 25.2	-1.0	
NVAR	comp=Z,36nm,1.0s	Mina Array Bea	90.60	49	P	P	00 22 25.7	-0.5	
NVAR	comp=Z,0.2nm,0.6s	baz=233,slow=0.7,SNR=4.2			P	P	00 48 02.8	+2.2	
GRAC	comp=Z,45nm,0.8s	Grapevine Rang	90.61	50	P	I	00 22 26.1	-0.1	
GRAC	comp=Z,45nm,0.8s	Grapevine Rang	90.61	50	P	I	00 22 52.6		
GRAC	comp=Z,45nm,0.8s	Grapevine Rang	90.61	50	P	P	00 22 26.0	-0.1	
MESA	comp=Z,45nm,0.8s	MESA	90.67	22	P	P	00 22 25.1	-0.9	
M24K	comp=Z,6um,21.0s	Tolsona, Glenn	90.69	19	IAMS_20	IAMS_20	01 05 18.3		
M24K	comp=Z,6um,21.0s	Tolsona, Glenn	90.69	19	P	P	00 22 25.8	0.0	
CRQE	comp=Z,6um,21.0s	Cirque	90.69	21	P	P	00 22 25.7	-0.2	
NV11	comp=Z,6um,21.0s	Mina Array Sit	90.70	49	P	I	00 22 25.9	-0.7	
NV11	comp=Z,6um,21.0s	Mina Array Sit	90.70	49	P	I	00 22 42.7		
H19K	comp=Z,30nm,0.9s	Roundabout Mou	90.72	14	IAMS_20	IAMS_20	01 05 35.3		
H19K	comp=Z,30nm,0.9s	Roundabout Mou	90.72	14	P	P	00 22 26.0	+0.2	
FURC	comp=Z,30nm,0.9s	Furnace Creek,	90.74	51	P	P	00 22 26.0	-0.6	
GWY	comp=Z,30nm,0.9s	Greenwater Val	90.76	51	P	I	00 22 25.9	-1.0	
GWY	comp=Z,30nm,0.9s	Greenwater Val	90.76	51	P	I	00 22 42.9		
TGL	comp=Z,35nm,0.9s	Tana Glacier	90.78	22	IAMS_20	IAMS_20	01 06 05.9		
N25K	comp=Z,7um,20.0s	Chitina, Valde	90.81	20	P	P	00 22 26.5	+0.1	
GMN	comp=Z,7um,20.0s	Gold Mountain	90.83	50	P	P	00 22 26.9	-0.4	
BPWA	comp=Z,7um,20.0s	Bear Paw Mtn.	90.86	16	P	P	00 22 27.4	+0.9	
K05A	comp=Z,7um,20.0s	Summer Lake	90.86	44	P	I	00 22 27.5	+0.2	
K05A	comp=Z,7um,20.0s	Summer Lake	90.86	44	P	I	00 22 47.5		
PALK	comp=Z,86nm,1.7s	Pallekele	90.87	277	P	I	00 22 26.7	-1.1	
PALK	comp=Z,86nm,1.7s	Pallekele	90.87	277	P	I	00 22 32.3	-0.1	
PALK	comp=Z,86nm,1.7s	Pallekele	90.87	277	P	P	00 22 26.7	-1.1	
GMRC	comp=Z,86nm,1.7s	C Granite Mounta	90.89	53	P	P	00 22 26.6	-1.0	
RND	comp=Z,8um,20.0s	Reindeer	90.89	18	P	P	00 22 26.1	-0.7	
RND	comp=Z,8um,20.0s	Reindeer	90.89	18	P	P	01 07 21.6		
RND	comp=Z,8um,20.0s	Reindeer	90.89	18	P	P	00 22 26.1	-0.7	
RND	comp=Z,8um,20.0s	Reindeer	90.89	18	P	P	00 22 26.1	-0.7	
SLBS	comp=Z,16nm,1.1s	Sierra La Lagu	90.90	65	P	P	00 22 27.6	-0.2	
SLBS	comp=Z,16nm,1.1s	Sierra La Lagu	90.90	65	P	P	01 07 56.0		
VRDI	comp=Z,4um,21.0s	Verde Repeater	90.91	21	IAMS_20	IAMS_20	01 07 05.3		
J05D	comp=Z,4um,21.0s	Fort Rock, OR	90.91	43	P	P	00 22 27.3	-0.2	
J05D	comp=Z,4um,21.0s	Fort Rock, OR	90.91	43	P	I	00 22 42.6		
M23K	comp=Z,30nm,0.9s	Montezuma Peak	90.92	50	P	P	00 22 27.2	-0.6	
TUQ	comp=Z,30nm,0.9s	Turquoise Moun	90.98	52	P	P	00 22 28.1	+0.2	
E17K	comp=Z,30nm,0.9s	Hotham Inlet	91.00	11	P	P	00 22 27.7	+0.7	
IRM	comp=Z,30nm,0.9s	Iron Mountain	91.00	54	P	P	00 22 27.8	-0.2	
KVN	comp=Z,29nm,0.9s	Kaiserville	91.02	48	P	I	00 22 27.9	-0.2	
KVN	comp=Z,29nm,0.9s	Kaiserville	91.02	48	P	I	00 22 42.8		
KVN	comp=Z,29nm,0.9s	Kaiserville	91.02	48	P	P	00 22 28.0	-0.2	
H20K	comp=Z,29nm,0.9s	Antoleneega Mo	91.04	14	P	P	00 22 27.7	+0.3	
WCT	comp=Z,29nm,0.9s	Wildcat Mounta	91.06	51	P	P	00 22 27.3	-0.9	
WCT	comp=Z,29nm,0.9s	Wildcat Mounta	91.06	51	P	I	00 22 43.1		
DHY	comp=Z,26nm,0.9s	Denali Highway	91.06	18	IAMS_20	IAMS_20	01 03 37.2		
DHY	comp=Z,26nm,0.9s	Denali Highway	91.06	18	P	P	00 22 27.5	-0.2	
CRAC	comp=Z,26nm,0.9s	Craig	91.09	29	P	P	00 22 27.7	-0.1	
G19K	comp=Z,4um,20.0s	Purcell Mounta	91.10	13	IAMS_20	IAMS_20	01 09 24.5		
G19K	comp=Z,4um,20.0s	Purcell Mounta	91.10	13	P	P	00 22 28.1	+0.5	
M9K	comp=Z,4um,20.0s	McKinley	91.13	17	P	P	00 22 27.3	-0.5	
SIT	comp=Z,8um,21.0s	Sitka	91.13	27	IAMS_20	IAMS_20	01 03 38.5		
SIT	comp=Z,8um,21.0s	Sitka	91.13	27	P	P	00 22 27.8	-0.1	
MCARA	comp=Z,9um,22.0s	McCarthy VSAT	91.17	21	P	I	00 22 26.8	-1.2	
MCARA	comp=Z,9um,22.0s	McCarthy VSAT	91.17	21	P	I	01 04 53.1		
MCARA	comp=Z,9um,22.0s	McCarthy VSAT	91.17	21	P	P	00 22 27.9	-0.1	
BOD	comp=Z,114nm,1.8s	Bodaibo	91.17	334	eP	P	00 22 27.5	-0.6	
BOD	comp=Z,114nm,1.8s	Bodaibo	91.17	334	eP	P	00 22 27.5	-0.6	
TPH	comp=Z,114nm,1.8s	Tonopah	91.20	49	P	P	00 22 28.5	-0.5	
TPH	comp=Z,114nm,1.8s	Tonopah	91.20	49	P	P	00 22 28.5	-0.5	
TPH	comp=Z,114nm,1.8s	Tonopah	91.20	49	P	P	00 22 28.5	-0.5	

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PINM	comp=Z,114nm,1.0s	Pinnacle	91.22	23	P	P	00 22 28.6	+0.3
HARP	comp=Z,114nm,1.0s	HAARP	91.22	20	P	P	00 22 28.4	+0.1
PNL	comp=Z,114nm,1.0s	Peninsula	91.24	24	P	P	00 22 28.9	+0.5
BLYC	comp=Z,41nm,0.9s	Blythe	91.30	54	P	I	00 22 29.1	-0.2
BLYC	comp=Z,41nm,0.9s	Blythe	91.30	54	P	I	00 22 44.5	
S31K	comp=Z,41nm,0.9s	Pelican	91.34	26	P	P	00 22 28.9	+0.1
S31K	comp=Z,41nm,0.9s	Pelican	91.34	26	P	P	00 22 28.9	+0.1
PINE	comp=Z,30nm,1.0s	Pine Mountain	91.35	43	P	I	00 22 28.7	-0.8
PINE	comp=Z,30nm,1.0s	Pine Mountain	91.35	43	P	I	00 22 42.8	
TPNV	comp=Z,30nm,1.0s	Topopah Spring	91.40	51	P	P	00 22 29.9	0.0
TPNV	comp=Z,30nm,1.0s	Topopah Spring	91.40	51	P	P	00 22 44.9	
TPNV	comp=Z,35nm,0.9s	Topopah Spring	91.40	51	P	P	00 22 30.2	+0.3
TPNV	comp=Z,35nm,0.9s	Topopah Spring	91.40	51	P	P	00 22 29.9	0.0
TPNV	comp=Z,35nm,0.9s	Topopah Spring	91.40	51	P	P	00 22 27.7	-1.6
BARN	comp=Z,35nm,0.9s	Barnard Glacie	91.40	22	P	I	00 22 45.4	
BARN	comp=Z,35nm,0.9s	Barnard Glacie	91.40	22	P	I	01 06 34.6	
BARN	comp=Z,59nm,1.3s	Barnard	91.40	22	P	I	00 22 29.2	-0.3
BARN	comp=Z,59nm,1.3s	Barnard	91.40	22	P	I	00 22 29.2	-0.3
CTGM	comp=Z,7um,20.0s	Chitina Glacier	91.44	22	P	P	00 22 28.4	-1.1
CTGM	comp=Z,7um,20.0s	Chitina Glacier	91.44	22	P	P	00 22 32.4	
CTGM	comp=Z,40nm,1.2s	Chitina Glacier	91.45	22	P	P	00 22 28.4	-1.1
CTGM	comp=Z,40nm,1.2s	Chitina Glacier	91.45	22	P	P	00 22 32.4	
CTGM	comp=Z,9um,22.0s	Mohawk Valley,	91.47	55	P	P	00 22 29.8	-0.3
CTGM	comp=Z,9um,22.0s	Mohawk Valley,	91.47	55	P	P	00 22 48.5	
I21K	comp=Z,55nm,1.4s	Tanana	91.48	15	P	I	00 22 28.8	-0.6
I21K	comp=Z,55nm,1.4s	Tanana	91.48	15	P	I	00 22 31.7	
I21K	comp=Z,47nm,1.6s	Tanana	91.48	15	P	I	00 22 30.1	+0.7
I21K	comp=Z,47nm,1.6s	Tanana	91.48	15	P	I	00 22 30.1	+0.7
I21K	comp=Z,7um,22.0s	Tanana	91.48	15	P	P	00 22 29.1	+0.7
I21K	comp=Z,7um,22.0s	Tanana	91.48	15	P	P	00 22 30.1	+0.7
I21K	comp=Z,7um,22.0s	Tanana	91.48	15	P	P	00 22 30.1	+0.7
I21K	comp=Z,7um,22.0s	Tanana	91.48	15	P	P	0	

WHY	Whitehorse	93.60	24	P	P	00 22 39.2	-0.2
SPR3	Spring Creek 3	93.64	49	P	P	00 22 40.2	-0.2
E21K	Killik River	93.70	13	P	Iamb	00 22 38.7	-0.9
E21K	comp-Z,42nm,1.5s					00 22 43.1	
E21K	Killik River	93.70	13	P	P	00 22 39.7	+0.1
CCUT	Cedar City	93.74	51	P	Iamb	00 22 41.2	+0.4
CCUT	comp-Z,46nm,1.6s					00 22 49.4	
ELK	Elko	93.74	48	P	P	00 22 40.4	-0.4
ELK	Elko	93.74	48	P	P	00 22 40.4	-0.4
MOY	comp-Z,6.0nm,0.9s						
MOY	Mondy	93.78	325	eP	P	00 22 41.8	+1.3
N31M	comp-Z,187nm,3.2s						
N31M	Braeburn, Yuko	93.79	23	P	Iamb	00 22 40.2	0.0
N31M	comp-Z,38nm,1.1s					00 22 46.4	
N31M	Braeburn, Yuko	93.79	23	P	P	00 22 40.6	+0.4
G24K	Hadweenzic Riv	93.82	16	P	Iamb	00 22 39.9	-0.3
G24K	comp-Z,47nm,1.6s					00 22 47.0	
G24K	comp-Z,77um,21.0s					01 05 39.4	
G24K	Hadweenzic Riv	93.82	16	P	P	00 22 40.0	-0.2
GUN	Gumba	93.90	298	eP	P	00 22 42.2	+0.3
X16A	Lo Mia Camp, P	93.91	55	P	P	00 22 42.3	+0.7
A19K	Wainwright	93.91	10	P	P	00 22 40.7	+0.3
E22K	Anaktuvuk Pass	93.91	14	P	P	00 22 40.1	-0.5
E22K	comp-Z,55nm,1.5s					00 23 05.4	
E22K	Anaktuvuk Pass	93.91	14	P	P	00 22 40.9	+0.3
KNB	Kanab	93.91	52	P	P	00 22 41.6	+0.1
KNB	comp-Z,71nm,1.6s					00 22 51.0	
KNB	Kanab	93.91	52	P	P	00 22 41.6	+0.1
KNB	comp-Z,71nm,1.6s						
SZCU	Shurtz Canyon	93.95	51	P	P	00 22 41.7	-0.1
L29M	L29M	94.02	21	P	P	00 22 40.4	+0.8
L29M	comp-Z,34nm,1.1s					00 22 47.6	
L29M	L29M	94.02	21	P	P	00 22 40.9	-0.3
U15A	North Rim	94.07	53	P	P	00 22 42.9	+0.5
P33M	Teslin, Yukon	94.12	25	P	P	00 22 41.0	-0.8
C21K	Knifeflade Rid	94.13	12	P	P	00 22 40.8	-0.7
M30M	Minto, Yukon	94.13	22	P	Iamb	00 22 41.2	-0.6
M30M	comp-Z,26nm,0.9s					00 22 57.8	
M30M	Minto, Yukon	94.13	22	P	P	00 22 41.7	-0.1
PKI	Pulchoki	94.16	298	eP	P	00 22 43.0	-0.1
PKI	comp-Z,53nm,1.1s						
PKIN	Phulchoki	94.18	298	eP	P	00 22 43.2	+0.1
EGAK	Eagle	94.18	19	P	P	00 22 40.6	-1.3
EGAK	comp-Z,49nm,1.4s					00 22 57.9	
EGAK	Eagle	94.18	19	P	P	00 22 41.4	-0.5
G25K	Bearman Lake	94.22	16	P	P	00 22 41.2	-0.7
DLBC	Dease Lake	94.23	28	P	Iamb	00 22 42.4	+0.1
DLBC	comp-Z,37nm,1.4s					00 23 06.9	
DLBC	Dease Lake	94.23	28	P	P	00 22 42.2	-0.2
DAWY	Dawson	94.25	20	P	Iamb	00 22 41.0	-1.2
DAWY	comp-Z,42nm,1.6s					00 23 06.1	
DAWY	Dawson	94.25	20	P	P	00 22 41.6	-0.7
D22K	Aiyikyak River	94.33	13	P	Iamb	00 22 40.8	-1.7
D22K	comp-Z,63nm,1.6s					00 23 17.0	
D22K	Aiyikyak River	94.33	13	P	P	00 22 41.2	-1.3
F24K	Squaw Lake	94.34	15	P	P	00 22 42.4	-0.2
F24K	comp-Z,20nm,1.1s					00 22 39.6	
E23K	Chandalar	94.35	14	P	P	00 22 39.0	-3.7
KKN	Kakani	94.35	298	eP	P	00 22 43.8	0.0
R33M	Jennings River	94.39	26	P	Iamb	00 22 42.7	-0.4
R33M	comp-Z,185nm,2.3s					00 22 50.9	
R33M	Jennings River	94.39	26	P	P	00 22 42.3	-0.8
WUAZ	Wupatki	94.39	54	P	Iamb	00 22 43.0	-0.8
WUAZ	comp-Z,25nm,1.0s					00 23 00.2	
WUAZ	Wupatki	94.39	54	P	P	00 22 42.2	-1.6
B20K	Meade River	94.40	11	P	P	00 22 42.9	+0.2
319A	Douglas	94.41	58	P	P	00 22 42.9	-0.9
DMN	Daman	94.43	298	eP	P	00 22 44.3	+0.1
PKCU	Pink Cliffs	94.46	52	P	Iamb	00 22 42.5	-1.8
PKCU	comp-Z,31nm,1.2s					00 23 00.6	
MFID	Camas Ranch	94.48	45	P	P	00 22 42.8	-1.1
B21K	Ikpiak River	94.55	12	P	P	00 22 43.6	+0.1
N32M	Quiet Lake	94.59	24	P	P	00 22 43.8	-0.1
I27K	Kandik River	94.63	18	P	P	00 22 43.4	-0.6
E24K	Your Creek	94.63	15	P	P	00 22 43.5	-0.4
F10A	Beach Ranch, E	94.69	42	P	P	00 22 43.8	-1.0
K29M	Barlow Dome	94.71	21	P	P	00 22 44.1	-0.3
M31M	Drury Creek, Y	94.75	23	P	P	00 22 42.5	-2.1
M31M	Drury Creek, Y	94.75	23	P	P	00 22 44.2	-0.4
MTPU	Mount Pierson	94.79	51	P	P	00 22 45.1	-0.7
TOLK	Toolik Lake Re	94.82	14	P	P	00 22 44.3	-0.5
TCRU	Three Creeks R	94.83	50	P	Iamb	00 22 44.8	-1.0
D23K	Nanushuk River	94.83	14	P	P	00 22 44.3	-0.4
MVU	Marysvale	94.95	51	P	Iamb	00 22 45.4	-0.9
MVU	comp-Z,66nm,1.5s					00 22 56.3	
GKN	Gorkha	94.96	298	eP	P	00 22 45.9	-0.6
F25K	Christina River	94.97	16	P	P	00 22 45.4	0.0
MSU	Marysvale	94.98	51	P	P	00 22 46.3	-0.2
I28M	Miner Creek	95.02	19	P	Iamb	00 22 45.3	-0.5
I28M	comp-Z,40nm,1.7s					00 23 09.8	
X18A	Snowflake	95.08	55	P	Iamb	00 22 46.3	-0.7
X18A	comp-Z,45nm,1.8s					00 22 55.1	
H27K	Steamboat Moun	95.09	18	P	P	00 22 44.3	-1.8
MAYO	Mayo, Yukon	95.10	22	P	P	00 22 45.0	-1.1
FARO	Faro, Yukon	95.15	23	P	P	00 22 46.3	-0.1
FARO	comp-Z,44nm,1.8s					00 23 35.4	
FARO	Faro, Yukon	95.15	23	P	P	00 22 45.5	-1.0
DUG	Dugway, Tooele	95.20	49	P	P	00 22 45.7	-1.6
DUG	comp-Z,0.8nm,0.9s					00 22 46.0	
DUG	Dugway, Tooele	95.20	49	P	P	00 22 46.0	-1.3
DUG	comp-Z,1.2nm,1.1s					00 22 45.7	

DUG	comp-Z,4.0nm,0.9s						
H03S2	Juan Fernandez	95.27	129	T	T	02 08 53.6	
H03S1	Juan Fernandez	95.28	129	T	T	02 08 43.0	
H03S3	Juan Fernandez	95.29	129	T	T	02 09 08.0	
E25K	Arctic Village	95.38	16	P	Iamb	00 22 47.3	0.0
E25K	comp-Z,34nm,1.5s					00 23 04.2	
E25K	Arctic Village	95.38	16	P	P	00 22 47.0	-0.3
B22K	Teshokup Lake	95.38	12	P	P	00 22 47.6	+0.4
D24K	Happy Valley	95.39	14	P	Iamb	00 22 46.6	-0.7
D24K	comp-Z,82nm,1.8s					00 23 05.1	
D24K	Happy Valley	95.39	14	P	P	00 22 46.6	-0.7
F26K	Sheenjek River	95.43	16	P	P	00 22 47.6	0.0
H03N3	Juan Fernandez	95.46	129	T	T	02 08 48.6	
H03N2	Juan Fernandez	95.46	129	T	T	02 09 00.2	
G27K	Doyon Strip	95.47	18	P	P	00 22 47.4	-0.3
I29M	Ogilvie Camp,	95.47	20	P	Iamb	00 22 46.5	-1.3
I29M	comp-Z,44nm,1.4s					00 23 12.1	
I29M	Ogilvie Camp,	95.47	20	P	P	00 22 47.2	-0.6
W18A	Petrified Fore	95.47	55	P	P	00 22 47.6	-1.1
H03N1	Juan Fernandez	95.48	129	T	T	02 08 48.2	
HLID	Hailey	95.48	45	P	P	00 22 47.8	-0.7
HLID	comp-Z,53,slow=72,SNR=6.1					00 22 48.4	-0.1
HLID	Hailey	95.48	45	P	P	00 22 47.8	-0.7
C23K	Itkillik River	95.54	13	P	IAMS_20	00 22 47.4	-0.6
C23K	comp-Z,5um,20.0s					01 10 44.3	
C23K	Itkillik River	95.54	13	P	P	00 22 47.3	-0.6
J30M	Hart River	95.59	21	P	Iamb	00 22 47.6	-0.9
J30M	comp-Z,40nm,1.9s					00 22 51.6	
J30M	Hart River	95.59	21	P	P	00 22 47.6	-0.9
NLU	North Lily Min	95.62	49	P	P	00 22 46.9	-2.4
WTLN	Watson Lake, Y	95.70	26	P	P	00 22 48.3	-0.7
KOLN	Koldanda	95.73	297	eP	P	00 22 49.2	-0.9
NEW	Newport	95.76	40	P	P	00 22 48.5	-1.1
DANN	Dangsing	95.81	298	eP	P	00 22 49.7	-0.9
C24K	Franklin Bluff	95.86	14	P	P	00 22 48.5	-0.9
TMUT	Trail Mountain	95.98	50	P	P	00 22 50.0	-1.2
I30M	Mount Dempster	95.99	20	P	P	00 22 48.7	-1.6
I30M	Mount Dempster	95.99	20	P	P	00 22 49.7	-0.6
121A	Cookes Peak, D	96.02	58	P	P	00 22 49.0	-2.2
H29M	Whitestone	96.02	19	P	Iamb	00 22 50.1	-0.1
H29M	comp-Z,64nm,1.9s					00 23 14.0	
H29M	Whitestone	96.02	19	P	P	00 22 49.5	-0.8
D25K	Kavik River	96.08	15	P	P	00 22 50.2	-0.3
PYUN	Pluthan	96.35	298	eP	P	00 22 52.0	-0.9
SRU	San Rafael Swe	96.40	51	P	P	00 22 51.5	-1.4
SRU	comp-Z,11nm,1.0s					00 22 55.7	
SRU	San Rafael Swe	96.40	51	P	P	00 22 51.5	-1.4
SRU	comp-Z,7.0nm,0.9s						
E27K	Coleen River	96.45	17	P	P	00 22 51.6	-0.6
F28M	Old Crow	96.53	18	P	P	00 22 52.0	-0.5
F28M	comp-Z,22nm,1.1s					00 22 52.5	-0.1
TCUT	Toone Canyon	96.55	48	P	P	00 22 52.2	-1.3
G29M	Pine Creek	96.59	19	P	Iamb	00 22 51.9	-1.0
G29M	comp-Z,51nm,1.6s					00	

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like KMBO, BDFB, SJJG, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like MLR, DOPR, GKP, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like CKRC, CKRC, KHC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Sonseca Array, Manteigas, Montebara, San Pablo, Coimbra, Castelo Branco, etc.

IDC 20 00:15:01.0.3.1, 22.133x169.31E, h0km, mb3.8/3, mbmp3.8/4, Error ellipse: s-maj=175.3km s-min=32.4km az=164.0

ISC 20 00:15:03.8.2.6, 21.151x168.9E, 0.5, h10km, n5, s150/6, mb3.8/3, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Mare, Loyalty, Pines Island, Ouen Island, N, etc.

NEIC 20 00:16:07.9.1.7, 21.44S, 0.04, 168.84E, 0.04, h10km, 1km, mb4.9/11, Error ellipse: s-maj=8.2km s-min=4.7km az=324.0

IDC 20 00:16:11.9.1.3, 21.68Sx168.65E, h0km, mb4.1/5, mbmp4.2/6, ML3.3/1, Error ellipse: s-maj=52.4km s-min=24.5km az=164.0

ISC 20 00:16:09.2.6, 21.57S, 0.07, 168.76E, 0.06, h10km, n26, s2521/29, mb4.6/11, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Mare, Loyalty, Pines Island, Ouen Island, N, etc.

IDC 20 00:17:09.9.3.2, 22.42Sx169.12E, h0km, mb3.8/2, mbmp3.9/3, ML3.6/1, Error ellipse: s-maj=137.7km s-min=41.1km az=164.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Mont Dzumac, Alice Springs, Warramunga Arr, etc.

GERES GERESS Array B 147.20 330 PKPbc PKPbc 00 36 54.6 -0.6 1.2nm, 0.7s, baz=50, slow=1.5, SNR=2.2

NEIC 20 00:20:06.9.1.1, 16.13N, 0.03, 60.72W, 0.06, h42km, 8km, mb4.3/5, Error ellipse: s-maj=8.1km s-min=4.9km az=95.0

TRN 20 00:20:06.0, 16.07N, 60.77W, h27km, MD4.4, IDC 20 00:20:08.7, 4.0, 16.08N, 60.83W, h53km, 3km, mb3.7/9, mbmp4.1/3, ML3.6/4, Error ellipse: s-maj=31.7km s-min=14.6km az=65.0

ISC 20 00:20:07.3-1.0, 16.08N, 0.04, 60.76W, 0.06, h41km, 9km, n86, s140/96, mb3.9/11, Leeward Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like La Desirade Is, Barre de l'ile, Barre de l'ile, La Joyeuse, An, etc.

IDC 20 00:26:29.9-2.2, 21.39S, 0.04, 168.69E, 0.08, h11km, 12km, n25, s126/32, mb4.3/9, 2D, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Mare, Loyalty, LIFOU, Pines Island, Ouen Island, N, etc.

NEIC 20 00:26:07.9.1.7, 21.44S, 0.04, 168.84E, 0.04, h10km, 1km, mb4.9/11, Error ellipse: s-maj=8.2km s-min=4.7km az=324.0

IDC 20 00:16:11.9.1.3, 21.68Sx168.65E, h0km, mb4.1/5, mbmp4.2/6, ML3.3/1, Error ellipse: s-maj=52.4km s-min=24.5km az=164.0

ISC 20 00:16:09.2.6, 21.57S, 0.07, 168.76E, 0.06, h10km, n26, s2521/29, mb4.6/11, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Mare, Loyalty, Pines Island, Ouen Island, N, etc.

NEIC 20 00:52:22.7.0.9, 35.43N, 0.01, 97.78W, 0.02, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.5km az=157.0

TUL 20 00:52:22.9-0.9, 35.46N, 0.01, 97.78W, 0.02, h7km, 6km, ML2.1, ML2.32(NEIC), Error ellipse: s-maj=2.6km s-min=2.1km az=90.0, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OKLAHOMA CITY, Franklin, Arcadia Dam, Liberty Lake, etc.

IDC 20 00:22:07.4-1.9, 21.32S, 168.68E, h0km, mb3.7/4, mbmp3.6/5, ML3.5/1, Error ellipse: s-maj=84.5km s-min=22.8km az=153.0

ISC 20 00:22:08.3-2.8, 21.45S, 0.09, 168.6E, 0.04, h10km, n7, s070/8, mb3.7/4, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Mont Dzumac, Alice Springs, Warramunga Arr, etc.

IDC 20 00:26:29.9-2.2, 21.39S, 0.04, 168.69E, 0.08, h11km, 12km, n25, s126/32, mb4.3/9, 2D, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Mare, Loyalty, LIFOU, Pines Island, Ouen Island, N, etc.

NEIC 20 00:52:22.7.0.9, 35.43N, 0.01, 97.78W, 0.02, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.5km az=157.0

TUL 20 00:52:22.9-0.9, 35.46N, 0.01, 97.78W, 0.02, h7km, 6km, ML2.1, ML2.32(NEIC), Error ellipse: s-maj=2.6km s-min=2.1km az=90.0, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OKLAHOMA CITY, Franklin, Arcadia Dam, Liberty Lake, etc.

23d Oh

Table with 5 columns: Station Name, Frequency, Band, Mode, and other parameters. Includes T35A Sooner Cattle and KAN06 Argonia West S.

MOS 20 00:53:28.6; 1.2, 33.39N; 140.92E, h49km, mb4.7/26, Error ellipse: s-maj=14.1km s-min=6.4km az=119.9
JMA 20 00:53:29.1; 0.1, 33.5N; 0.4; 141.1; 1E; 0.8, h55km, 4km, MD4.3/33, MV4.1/33, E OFF HACHIOJIMA ISLAND
NEIC 20 00:53:29.4; 1.8, 33.49N; 0.08; 141.12E; 0.09, h35km, 2km, mb4.7/29, Error ellipse: s-maj=13.7km s-min=9.1km az=138.0

IDC 20 00:53:32.2; 0.7, 33.36N; 140.81E, h61km, 5km, mb3.8/20, mbmp4.1/22, Error ellipse: s-maj=14.4km s-min=12.6km az=81.0
ISC 20 00:53:30.2; 0.6, 33.41N; 0.04; 141.13E; 0.05, h49km, 5km, h48km; p-P, N153, c1946/172, mb4.5/1.6C, Off east coast of Honshu

Main table for 2024 Nov, listing stations like JHU2 Mitsune, JHJ2 Mitsune, JHJ Mitsune, etc., with columns for Code, Station Name, Frequency, Band, Mode, and other parameters.

2017 NOV

Main table for 2017 Nov, listing stations like DGZ Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc., with columns for Code, Station Name, Frequency, Band, Mode, and other parameters.

1456

Main table for 1456, listing stations like AKASG Malin Array Be, AKASG Malin Array B, AKKB Malin Array S, etc., with columns for Code, Station Name, Frequency, Band, Mode, and other parameters.

Table with columns: MKAR, MAKANCHI Array, 25.89 315 P, 01 03 46.2 -0.7, etc.

NEIC 2001:12:08.1s 1.0, 21.27S:0.04:168.57E:0.05, h10km, 1km, mb4.5/13, Error ellipse: s-maj=7.9km s-min=7.0km

IDC 2001:12:10.9s 1.5, 22.92S:168.15E, h0km, mb4.2/5, mbmtmp4.2/5, Error ellipse: s-maj=47.3km s-min=23.7km

ISC 2001:12:07.4-4.2, 21.34S:0.08:168.49E:0.10, h2km, 23km, n29, s156/32, mb4.4/12, Loyalty Islands

Main table for 1457 containing station data for Loyalty Islands and other stations like WARRAMUNGA ARR, etc.

IDC 2001:14:37.7s 10.0, 24.77S:179.90W, h450km, 95km, mb2.9/3, mbmtmp3.8/4, Error ellipse: s-maj=162.4km

IDC 2001:27:23.9s 1.3, 21.54S:0.06:168.75E:0.03, h10km, 1km, mb4.4/16, Error ellipse: s-maj=11.0km s-min=5.2km

ISC 2001:27:23.6-0.6, 21.48S:0.09:168.59E:0.06, h10km, n49, s089/50, mb4.3/16, 3D, Loyalty Islands

Main table for 1457 (continued) containing station data for various stations including WARRAMUNGA ARR, etc.

Table with columns: AS31, ALICE SPRINGS, 32.06 259 P, 01 33 50.9 0.0, etc.

IDC 2001:30:09.2s 2.1, 20.72S:167.65E, h0km, mb3.5/3, mbmtmp5.3/3, Error ellipse: s-maj=64.2km s-min=27.7km

ISC 2001:31:40.0-6.5, 20.97S:168.26E, h0km, mb3.7/3, mbmtmp3.8/4, ML3.8/1, Error ellipse: s-maj=144.4km

ISC 2001:40:29.2-3.2, 21.41S:0.07:168.71E:0.02, h10km, 1km, mb4.7/24, Error ellipse: s-maj=11.7km s-min=2.8km

Main table for 200 NOV containing station data for Alice Springs, WARRAMUNGA ARR, etc.

IDC 2001:40:19.6-26.25S:171.70E, h33km, IDC 2001:40:27.9-0.6, 21.32S:168.71E, h0km, mb4.2/14, mbmtmp4.2/16, ML4.2/2, Error ellipse: s-maj=19.6km

ISC 2001:31:00.4-1.0, 21.41S:0.07:168.69E:0.05, h20km, n124, s090/123, mb4.7/33, 1D, Loyalty Islands

Main table for 200 NOV (continued) containing station data for various stations including WARRAMUNGA ARR, etc.

Main table for 20d 1h containing station data for various stations including PILBARA SEISMI, WARRAMUNGA ARR, etc.

Table with columns: MEM, PRED, BSTI, SABO, ABTA, CLUD, WATA, WTTA, MOTA, SOTA, RETA, RCHB, BMRD, WLF, DOU, FETA, BFO, DAVA, ZCCA, CLF, BNI, ESDC. Includes station names, frequencies, and various codes.

IDC 20 01:51:48.5.4.21.315:168.61E, h0km, mb3.4/3, mbtm3.5/4, ML3.8/1, Error ellipse: s-maj=199.3km s-min=30.4km az=147.0, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes station names like MARE, LIFOU, QUENC, DZM, DZM, ONTNC, KOUNC, IMSVF, EIDS, STKA, WR0, WR0, WB0, WB0, WRA, WRA, WRA, WRA, AS31, ASAR, ASAR, ASAR, KNRA, VNDA, VNDA, SBA, QSPA, QSPA, QSPA, PETK, PETK, SONM, NVAR, ILAR, ARCES, BURAR, EKA, CONA, KHC, KHC, GECZ, GECZ, GECZ, GECZ, GECZ, GECZ, LESA, WTTA, MOTA, SOTA, FETA, DAVA, FUORN, FUORN, ZCCA, SENNI, SENNI, SENNI, ESDC.

IDC 20 01:54:06.9.0.8.21.325:169.26E, h0km, mb4.2/10, mbtm4.2/11, ML3.8/1, Error ellipse: s-maj=31.7km s-min=18.2km az=146.0, NEIC 20 01:54:08.4.2.1.21.455:0.09:169.22E:0.03, h10km, 1km, mb4.2/8, Error ellipse: s-maj=15.0km s-min=5.9km az=177.0, ISC 20 01:54:11.5.0.5.21.42S:0.10:169.07E:0.07, h29km, n50, r1615/33, mb4.3/14, 3C, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes station names like MARE, LIFOU, QUENC, DZM, DZM, ONTNC, KOUNC, IMSVF, EIDS, STKA, WR0, WR0, WB0, WB0, WRA, WRA, WRA, WRA, AS31, ASAR, ASAR, ASAR, KNRA, VNDA, VNDA, SBA, QSPA, QSPA, QSPA, PETK, PETK, SONM, NVAR, ILAR, ARCES, BURAR, EKA, CONA, KHC, KHC, GECZ, GECZ, GECZ, GECZ, GECZ, GECZ, LESA, WTTA, MOTA, SOTA, FETA, DAVA, FUORN, FUORN, ZCCA, SENNI, SENNI, SENNI, ESDC.

NOU 02:02:04:18.2.21.43S:168.92E, h0km, MLV4.7/8, Loyalty Islands

IDC 20 02:04:22.0.0.9.21.025:168.42E, h0km, mb4.1/9, mbtm4.1/11, ML4.6/2, Error ellipse: s-maj=28.9km s-min=18.1km az=151.0, NEIC 20 02:04:22.3.2.1.21.43S:0.07:168.73E:0.03, h10km, 1km, mb4.4/11, Error ellipse: s-maj=17.7km s-min=4.0km az=359.0, ISC 20 02:04:24.2.0.6.21.35S:0.08:168.61E:0.07, h20km, n55, r160/55, mb4.3/13, 3C, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes station names like MARE, LIFOU, QUENC, DZM, DZM, ONTNC, KOUNC, IMSVF, EIDS, STKA, WR0, WR0, WB0, WB0, WRA, WRA, WRA, WRA, AS31, ASAR, ASAR, ASAR, KNRA, VNDA, VNDA, SBA, QSPA, QSPA, QSPA, PETK, PETK, SONM, NVAR, ILAR, ARCES, BURAR, EKA, CONA, KHC, KHC, GECZ, GECZ, GECZ, GECZ, GECZ, GECZ, LESA, WTTA, MOTA, SOTA, FETA, DAVA, FUORN, FUORN, ZCCA, SENNI, SENNI, SENNI, ESDC.

Table with columns: WR0, WR0, WRA, WRA, AS31, ASAR, MTN, KNRA, MBWA, GSPA, USKR, TROLL, SNA, SNA, VNA, SONM, NVAR, BLA, CLL, EKA, CONA, KHC, KHC, GECZ, GECZ, LESA, LESA, MOTA, MOTA, FETA, FETA, FETA, FUORN, ZCCA.

IDC 20 02:07:51.0.1.0.21.44S:168.62E, h0km, mb4.1/5, mbtm4.0/6, ML3.4/1, MS4.1/1, Error ellipse: s-maj=33.4km s-min=24.7km az=152.0, NEIC 20 02:07:53.2.1.5.21.46S:0.07:168.64E:0.02, h10km, 1km, mb4.2/6, Error ellipse: s-maj=11.9km s-min=3.1km az=358.0, ISC 20 02:07:53.8.0.1.21.41S:0.09:168.61E:0.07, h20km, n35, r055/35, mb4.3/9, 3C, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes station names like MARE, LIFOU, QUENC, DZM, DZM, ONTNC, KOUNC, IMSVF, EIDS, STKA, WR0, WR0, WB0, WB0, WRA, WRA, WRA, WRA, AS31, ASAR, ASAR, ASAR, KNRA, VNDA, VNDA, SBA, QSPA, QSPA, QSPA, PETK, PETK, SONM, NVAR, ILAR, ARCES, BURAR, EKA, CONA, KHC, KHC, GECZ, GECZ, GECZ, GECZ, GECZ, GECZ, LESA, WTTA, MOTA, SOTA, FETA, DAVA, FUORN, FUORN, ZCCA, SENNI, SENNI, SENNI, ESDC.

20c 5h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like EDC, KLNA, KYMI, etc.

IDC 04:36:59.1±2.3,31.01S:71.35W,h0km,mb3.5/2, mbmp3.5/4,ML3.7/2,Error ellipse: s-maj=71.5km s-min=38.2km az=8.0

SJA 04:37:01.9±0.8,30.70S:71.68W,h18km,3km,ML3.6, MW3.7

GUC 04:37:06.1±0.7,30.71S:71.42W,h47km,2km,ML3.8

ISC 04:37:04.0±1.2,30.70S:02-71.30W,0.03,h13km,9km, n69,±219/107,5C-6D,Near coast of central Chile

Main table for the 20c 5h section, listing station names, frequencies, and other parameters. Includes stations like Fray Jorge, El Pedregal, Combarbal, etc.

2017 NOV

Main table for the 2017 NOV section, listing station names, frequencies, and other parameters. Includes stations like Renca, Farellones, Cerro Calín, etc.

1466

Main table for the 1466 section, listing station names, frequencies, and other parameters. Includes stations like Chivirico, Pilon, Las Mercedes, etc.

Table with columns: PDAR, LR, LR, 06 02 59.9, comp-Z, 267nm, 18.8s, bazi=178, slow=32, comp-Z, 1.7nm, 0.9s

IDC 20 05:26:11.3, 1.3, 21:67S:168:83E, h0km, mb3.9/4, mbmp3.9/5, ML3.8/11, Error ellipse: s-maj=59.2km

ISC 20 05:26:15.5, 1.1, 21:75.0:3:168:93E.0, h29km, n7, c=083/8, mb3.9/4, Loyalty Islands

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

NNC 20 05:28:29.6, 5.9, 54:33N:86:93E, h0km, mb2.7, mpv2.5, 6C-3D, Error ellipse: s-maj=47.1km s-min=33.3km

az=5.0, Suspected Mining explosion., Southwestern Siberia

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

NIC 20 05:40:36.7, 35:06N:32:74E, h52km, 1km, ML2.4/5, ISK 20 05:40:36.8, 35:00N:32:73E, h51km, 1km, ML2.5/7

AFAD 20 05:40:38.9, 0.0, 35:44N:32:69E, h6km, 2km, ML2.4, ISC 20 05:40:37.8, 1.7, 35:00N:0:06:32.75E, 0.05, h48km, gkm, n21, c=085/36, Cyprus region

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

IDC 20 05:46:16.8, 8.1, 28:09N:87:19E, h0km, mb3.6/5, mbmp3.6/5, MS3.6/2, Error ellipse: s-maj=70.8km

DMN 20 05:46:24.0, 8.0, 28:11N:87:24E, h60km, Error ellipse: s-maj=0.0km s-min=0.0km az=2.0

ISC 20 05:46:20.6, 1.6, 28:29N:0:06:87.30E, 0.05, h20km, 6km, n21, c=134/32, mb3.8/5, Xizang

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

Table with columns: QUENC, Ouen Island, N, 1.80 239, P, Pb, 05 50 37.6 -0.1, Ouen Island, N, 1.80 239, P, Pg, 05 50 38.5 -0.6

20d 6h

IDC 20 05:55:34.3±2.5, 36°23'N:96°9'W, h0km, mbmp3.3/3, ML2.7/2, Error ellipse: s-maj=34.3km s-min=19.2km az=94.0

ANF 20 05:55:38.0±0.4, 36°02'N:97°31'W, h0km, ML3.9/6, Error ellipse: s-maj=5.3km s-min=3.3km az=177.0

TUL 20 05:55:38.9±0.8, 36°02'N:0°02'97.33W±0.02, h6km±7km, ML3.2, mb_Lg3.2/88(NEIC), ML3.4/54(NEIC), Error ellipse: s-maj=2.8km s-min=1.5km az=135.0

NEIC 20 05:55:39.5±0.7, 36°00'N:0°10'97.33W±0.01, h5km±2km, Error ellipse: s-maj=3.1km s-min=1.9km az=141.0

ISC 20 05:55:39.0±1.0, 36°04'N:0°02'97.33W±0.02, h8km±10km, n120, ±191/97, Oklahoma

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, h m s ISC, ISC. Lists various stations like Liberty Lake, Mehan, Arcadia Dam, Battle Ridge R, Cody Creek RV, Pawnee Station, Quok Quok, E3050 and S346, OKLAHOMA CITY, OKCSW, Carrier, Depue, Blackwell, Franklin, Grant County # W35A, South Hwy SW, Salt Plains WL, Manchester OK, Caldwell West, Sooner Cattle, Caldwell North, Bluff City NR, Argonia South, West end E0370, Leonard, Leonard, Leonard, Milan North St, Argonia West St, Anthony NE Sta, E0210 Rd and N, Winter Ranch, Winter Ranch, Wayneoka, Ellis County, Wichita Mounta, Wichita Mounta, Love County, Clayton, Clayton, Gravelle, Gravelle, Weatherford, Cedar Bluff, Cedar Bluff, Mt. Pleasant, Mt. Pleasant, Mount Ida, Mount Ida, Mount Ida.

2017 NOV

Table with columns: TREL, APMT, FW16, S39A, S39A, FW14, U40A, U40A, AMTX, AMTX, DKNS, ABTX, X40A, X40A, X40A, WHAR, WHAR, WLAR, WLAR, 237A, MGMO, MGMO, FCAR, UALR, UALR, SN01, RTBA, RTBA, POST, R40A, R40A, R40A, Z41A, Z41A, P38A, P38A, N33B, N33A, N33A, MSTX, BRDY, BRDY, LCAR, LCAR, KSCO, KSCO, SGCY, 435B, CCM, P40A, T25A, T25A, FVM, JCT, JCT, 143A, 143A, OZNA, OZNA, OGNB, CGM3, HALT, HALT, MNHN, SCIA, SCIA, HSDO, SDCO, BRIG, DRIO, PECS, SAND, ECSD, ECSD, ALPN, TXAR, TXAR, JFWS, PDAR, PDAR, PDAR, ULM, ULM, NOU, IDC, ANF, NEIC, ISC.

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Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, h m s ISC, ISC. Lists various stations like Mare, Loyalty, Mare, Loyalty, LIFNC, LIFNC, PINNC, PINNC, OUENC, DZM, DZM, ONTNC, ONTNC, NOUC, KOUNC, KOUNC, EIDS, EIDS, RAR, WBO, WBO, WRA, WRA, AS31, AS31, ASAR, ASAR, MTN, QSPA, QSPA, CMAR, BELA, BELA, ARCES, ARCES, EKA, EKA, KHC, GERES, ESDC, IDC, IDC, ISC, Code, Station Name, Δ° AZ', Phase ID, Time Res, h m s ISC, ISC. Lists various stations like Nonsavu, Stephens Creek, Warramunga Arr, ASAR, GSPA, USRUK, MA2, NVAR, EKA, CONA, GERES, LESA, SQTA, FETA, IDC, IDC, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR, IDC, IDC, WRA, WRA, ASAR, ASAR, STKA, STKA, H11S3, H11S2, H11S1, CMAR, SONGIO.

20d 7h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KUR16, KURBB, KUR15, etc.

IDC 20 07:03:52.7-0.9, 21.66S, 169.01E, h0km, mb3.9/10, mbmp3.9/11, ML3.8/1, MS3.4/9, Error ellipse: s-maj=29.0km s-min=21.0km az=160.0

ISC 20 07:03:57.4-0.7, 21.65S, 169.02E, 0.1, h29km, n32, o=884/23, mb4.0/12, MS3.3/6, AC, Loyalty Islands

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

IDC 20 07:08:15.4-1.1, 21.37S, 168.78E, h0km, mb4.0/6, mbmp4.0/7, ML3.4/1, Error ellipse: s-maj=38.9km s-min=22.1km az=155.0

NEIC 20 07:08:16.7-1.2, 21.46S, 168.85E, 0.05, h10km, 1km, mb4.3/9, Error ellipse: s-maj=11.5km s-min=7.0km az=340.0

ISC 20 07:08:19.5-0.7, 21.45S, 0.09, 168.75E, 0.09, h29km, n37, o=877/38, mb4.0/10, Loyalty Islands

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

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Table with columns: DZM, Sn, Sn, 07 09 22.2 +0.9, etc. Includes stations like ONTNC, STKA, WBO, etc.

NOU 20 07:27:53.9, 21.37S, 168.87E, h0km, MLV4.2/7, Loyalty Islands

IDC 20 07:27:55.7-0.9, 21.45S, 168.78E, h0km, mb4.1/8, mbmp4.1/9, ML4.0/1, MS3.5/15, Error ellipse: s-maj=32.1km s-min=20.3km az=157.0

NEIC 20 07:27:58.4-1.6, 21.36S, 168.57E, 0.05, h10km, 1km, mb4.6/13, Error ellipse: s-maj=10.9km s-min=7.3km az=165.0

ISC 20 07:27:57.1-0.6, 21.30S, 168.68E, 0.08, h10km, n62, o=577/48, mb4.6/17, MS3.3/12, 4D, Loyalty Islands

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

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Table with columns: QSPA, South Pole Qui, 68.76 180 P, P, 07 39 01.0 -0.1, etc. Includes stations like USAOB, CMAR, BELA, etc.

IDC 20 07:34:49.0, 26.2, 0.57, 09N, 141.83E, h0km, Error ellipse: s-maj=104.8km s-min=63.8km az=84.0, 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 I43RU, I31KZ, etc.

IDC 20 07:37:42.6-1.3, 0.56N, 126.82E, h0km, mb4.2/6, mbmp4.2/6, Error ellipse: s-maj=156.5km s-min=17.0km

NEIC 20 07:37:51.4-1.7, 0.48N, 126.81E, 0.08, h67km, 7km, mb4.1/13, Error ellipse: s-maj=16.7km s-min=5.2km az=143.0

ISC 20 07:37:48.9-0.8, 0.4N, 126.81E, 0.02, h47km, n24, o=48/23, mb4.2/12, Northern Molucca Sea

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

IDC 20 07:50:00.6-5.7, 20.90S, 168.38E, h0km, mb3.7/3, mbmp3.7/4, ML3.8/1, MS3.0/1, Error ellipse: s-maj=119.5km s-min=51.6km az=125.0, Loyalty Islands

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

20d 8h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KAPI, TOLIM, LEMLING, QSPA, NJ2, CMAR, HEH, BELA, HHC, BTO, TROLL, SNA, SNA, SNA, VNA3, VNA2, SONM, NVAR, ILAR, TXAR, WMQ, ARCES, BDFB, FINES, BRG, CLL, ZVC, EKA, RONA, CONA, CKRC, KHC, GERES, MOA, GRF, GRF, SOKA, LESA, BTNL, MEM, WATA, WTTA, SQTA, RETH, RCHB, WLF, FOU, DETA, DAVA, ESDC.

IDC 20 08:04:33.4s.0.54:19N:87:34E, h0km, mbmp3.1/2, ML2.8/2, Error ellipse: s-maj=25.9km s-min=17.1km az=58.0

NNC 20 08:04:37.37:2.53:86N:87:17E, h0km, mb2.9, mpv2.6, Error ellipse: s-maj=53.7km s-min=31.8km az=46.0, Suspected Mining explosion.

ISC 20 08:04:22.5:3.0.52:79N:0:05:87:5E:0:2, h0km, n8, r1566/12, 4C-6D, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ZAAO, ZALV, I46RU, KURK, KURKB, KURKB, KURKB, KURKB, MK31, MK31, MK31.

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Table with columns: MKAR, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Makanchi Array, ZALESOVO INFRA, ZALV, ZALV, KURKB, MKAR, MKAR.

Table with columns: IDC 20 08:22:02.5:2.1, 54:44N:83:62E, h0km, mbtmp2.7/2, ML2.8/1, Error ellipse: s-maj=17.1km s-min=10.3km

Table with columns: IDC 20 08:23:23.4:350.0, 56:53N:17:42E, h0km, Error ellipse: s-maj=138.8km s-min=128.8km az=23.0, Baltic Sea

Table with columns: IDC 20 08:35:10.0:3.6, 54:29N:87:55E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=32.4km s-min=19.3km

Table with columns: BUJ 20 08:48:00.3:0.0, 23:81N:94:54E, h93km, mb4.6/39, mB4.8/16, IDC 20 08:48:02.1:3.23:61N:94:47E, h105km, mb4.3/22, mbmp4.6/24, MS2.9/4, Error ellipse: s-maj=13.4km

Table with columns: NEIC 20 08:48:02.2:1.8, 23:69N:0:08:94:54E, h107km, mb7km, mB4.9/31, Error ellipse: s-maj=12.0km s-min=8.8km

Table with columns: NDI 20 08:48:03.5:2.4, 23:84N:94:33E, h97km, mb4.4, ML4.4, mb4.9(NEIC), ISC 20 08:48:00.7:0.4, 23:71N:0:04:94:43E:0:04, h94km, mb3km, h94km, pP-N191, r1582/222, mb4.7/43, 1C-2D, Myanmar-India border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like IMP, IMP, IMP, IMP, SAIH, SAIH, KOHI, MND, BRDH, BRDH, SHL, SHL, SHL, SHL, TEZP, TEZP, ITAN, ITAN, DHUB, DHUB, GTK, GTK, CHIANG MAI, CHIANG MAI, CHAI, CHAI, LSA, LSA, LSA, LSA, CM31, CM31, CMAR, CMAR, CMAR, CMAR, TAPN, TAPN, ODAN, ODAN, PZH, PZH, KMI, KMI, RAMN, RAMN, BOK, BOK, JIRN, JIRN, GUN, GUN, PKI, PKI, PKI, PKI, KKN, KKN, DMN, DMN, GKN, GKN, KOLN, KOLN, DANN, DANN, PYUN, PYUN, GOMU, GOMU, LGTI, LGTI.

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Table with columns: LGTI, JHNI, JHNI, LZH, LZH, ENH, BHPH, BHPH, GTA, GTA, XAN, XAN, XAN, XAN, KUDL, KUDL, SMLA, SMLA, DHRM, DHRM, DHRM, DHRM, AJM, AJM, AJM, AJM, KULM, KULM, WMQ, WMQ, WMQ, WMQ, PALK, PALK, NIL, NIL, RPSI, RPSI, BTO, BTO, BTO, BTO, BTO, BTO, KSH, KSH, KSH, KSH, GSI, GSI, TARG, TARG, PRZ, PRZ, SHLS, SHLS, NJ2, NJ2, NJ2, NJ2, UZB, UZB, ZRN, ZRN, ZRN, ZRN, PKPS, PKPS, MYKOM, MYKOM, ULHL, ULHL, TNSS, TNSS, MDOK, MDOK, BOOM, BOOM, KBL, KBL, CHKK, CHKK, TKM2, TKM2, UCH, UCH, KBK, KBK, ZSN, ZSN, TDK, TDK, MK31, MK31, MKAR, MKAR, MKAR, MKAR, AAK, AAK, AAK, AAK, ARSB, ARSB, MAKZ, MAKZ, AML, AML, EKSZ, EKSZ, GAR, GAR, SGDS, SGDS, BTK, BTK, SONM, SONM, SONM, SONM, ULN, ULN, CHGR, CHGR, XLT, XLT, XLT, XLT, XLT, XLT, BTLS, BTLS, IUG, IUG, KK31, KK31, KKAR, KKAR, SEM, SEM, KURBB, KURBB, KURBB, KURBB, KURK, KURK, ZAAO, ZAAO, ZALV, ZALV, ZALV, ZALV.

Table with columns: BRZS, Berezinski, 31.25 333, P, 08 54 13.6 +2.4, etc. Includes stations like Korea Array, Borovoye, etc.

Table with columns: POPAYAN, Popayan, Colom, 152.51 340, P, 09 07 48.0 +0.5, etc. Includes stations like Florencia, Villa Florida, etc.

Table with columns: SJS3, Mercedes San J, 1.16, 6, eP, Pg, 09 28 17.2 -0.4, etc. Includes stations like SJS, PCAYA, etc.

20d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GRAC Grapevine Rang, GMN Gold Mountain, DSP Deep Springs, etc.

WEL 20 09:54:27.9, 0.6, 42.2 S, 177.4 E, h12km, 6km, M2, 9/27, ML2.9/1, MLV2.9/2, Error ellipse: s-maj=0.0km s-min=0.0km az=130.1, confirmed

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

IDC 20 10:02:50.9, 0.8, 21.43S, 168.65E, h0km, mb4.0/9, mbmp4.0/10, ML3.9/1, MS3.4/2, Error ellipse: s-maj=29.1km s-min=21.5km az=149.0

NEIC 20 10:02:54.3, 1.8, 21.24S, 0.06, 168.52E, 0.05, h16km, 4km, mb=148.0, Error ellipse: s-maj=9.8km s-min=6.2km

ISC 20 10:02:54.0, 0.6, 21.26S, 0.08, 168.55E, 0.07, h20km, n49, 0.86/46, mb4.4/17.3C, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, LIFOU LIFOU, PINNOC Pines Island, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BELA, TROLL Troli, Antarti, SNAAS Snaas, etc.

IDC 20 10:14:11.9, 0.7, 21.62S, 168.93E, h0km, mb4.4/13, mbmp4.3/14, ML3.9/1, MS4.1/16, Error ellipse: s-maj=23.1km s-min=17.5km az=154.0

BGR 20 10:14:11.2, 26.22S, 166.09E, h33km, NEIC 20 10:14:11.0, 1.4, 21.55S, 0.06, 168.92E, 0.05, h10km, 1km, mb4.8/34, Error ellipse: s-maj=10.4km s-min=7.3km az=135.0

NOU 20 10:14:17.6, 21.71S, 168.50E, h0km, mb4.7/44, Loyalty Islands

ISC 20 10:14:17.2, 0.4, 21.52S, 0.06, 168.85E, 0.06, h29km, n145, 0.84/129, mb4.7/34, MS4.1/13, 3D, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, LIFOU LIFOU, PINNOC Pines Island, etc.

COEN	Coen	25.56 283	P	P	10 19 46.5	+2.7
TOO	Toolangi	25.75 226	P	IAMB	10 19 43.8	-1.7
TOO	TOO	25.75 226	P	IAMB	10 19 43.8	-1.7
TOO	Toolangi	25.75 226	P	P	10 19 47.1	+1.6
INKA	Innainika	26.25 251	P	P	10 19 51.3	+1.3
STKA	Stephens Creek	26.37 241	P	P	10 19 49.6	-1.5
STKA	Stephens Creek	26.37 241	P	P	10 19 52.1	+1.0
STKA	Stephens Creek	26.37 241	P	P	10 19 49.2	-1.9
STKA	comp=Z,2.8nm,1.0s,baz=71,slow=9.0,SNR=13			LR	10 30 07.0	
QIS	Mount Isa	27.29 267	P	P	10 20 00.2	+0.7
LCK	Leigh Creek	28.66 246	P	P	10 20 14.4	+1.0
HRT	Hallett	28.97 239	P	LR	10 20 15.7	+1.3
RAR	Rarotonga	29.20 95	LR		10 29 36.9	
OOD	Oodnadatta	30.71 252	P	P	10 20 31.0	+1.2
BBOO	Buckleboo	31.14 242	P	P	10 20 33.1	-0.5
BBOO	comp=Z,1.3nm,1.1s			IAMB	10 20 34.7	+1.1
WR0	Warramunga Arr	31.24 242	P	P	10 20 40.7	-1.3
WR0	Warramunga Arr	32.09 266	P	IAMB	10 20 41.3	
WB0	Warramunga Arr	32.25 267	P	IAMB	10 20 41.9	-1.6
WB0	comp=Z,1.2nm,0.9s			IAMB	10 20 43.4	
WB2	Warramunga Arr	32.26 266	P	P	10 20 42.4	-1.2
WB2	comp=Z,1.5nm,1.0s			IAMB	10 21 06.3	
WRAB	Tennant Creek	32.27 266	P	P	10 20 42.3	-1.3
WRAB	comp=Z,2.3nm,1.4s			IAMB	10 20 43.5	
WRAB	Tennant Creek	32.27 266	P	P	10 20 44.4	+0.8
WRA	Warramunga Arr	32.29 266	P	P	10 20 42.2	-1.4
WRA	Warramunga Arr	32.27 266	P	P	10 20 42.3	-1.4
AS31	Alice Springs	32.28 259	P	P	10 20 42.9	-0.8
ASAR	Alice Springs	32.29 259	P	P	10 20 42.5	-1.3
ASAR	Alice Springs	32.29 259	P	P	10 20 43.0	-0.7
ASAR	comp=Z,7.5nm,0.9s,baz=83,slow=9.0,SNR=59			LR	10 34 27.0	
MULG	Mulgathing	32.38 247	P	P	10 20 45.3	+0.8
KDU	Kakadu	35.79 278	P	P	10 21 17.2	+3.0
MTN	Manton Dam	36.97 277	P	IAMB	10 21 24.1	-0.2
MTN	comp=Z,1.1nm,0.8s			IAMB	10 21 24.1	
WRKA	Warakurna	37.32 257	P	P	10 21 28.6	+1.4
FORT	Forrest	37.58 247	P	P	10 21 28.6	-0.7
FORT	comp=Z,2.5nm,0.9s			IAMB	10 21 30.0	
FORT	Forrest	37.58 247	P	P	10 21 29.5	+0.1
KNRA	Kunurra	38.36 272	P	IAMB	10 21 35.0	-1.0
KNRA	comp=Z,1.8nm,0.9s			IAMB	10 21 36.3	
KMBL	Kambalda	42.91 247	P	LR	10 22 13.1	-0.4
BATI	Baumata	44.75 277	LR	P	10 42 39.4	
PSA00	Pilbara Seismi	45.42 260	P	P	10 22 31.3	-2.4
PSA00	Pilbara Seismi	45.42 260	P	P	10 22 33.7	0.0
MBWA	Marble Bar	45.59 261	P	P	10 22 34.1	-1.0
MBWA	Marble Bar	45.59 261	P	P	10 22 35.7	+0.6
MEEK	Meekebarra	45.91 253	P	P	10 22 39.1	+1.5
KLBR	Kellerberrin	46.43 246	P	P	10 22 41.4	-0.2
NWAO	Narrogin (SRO)	46.88 245	P	LR	10 22 44.4	-0.6
NWAO	Narrogin (SRO)	46.88 245	LR	P	10 42 08.1	
BLDU	Ballidu	47.35 248	P	P	10 22 50.6	+1.8
MORW	Morawa	48.01 250	P	P	10 22 53.4	-0.5
MORW	Morawa	48.01 250	P	P	10 22 54.7	+0.8
KAPP	Kappa	50.28 282	LR	LR	10 43 37.5	
TAOI	Taoi	50.74 241	LR	P	10 43 37.5	
TAOI	Nuku Hiva Isla	50.59 84	LR	LR	10 37 50.7	
PLAI	Plampang	50.67 276	P	P	10 23 16.3	+1.9
DAV	Davao Bar	51.08 299	LR	LR	10 46 01.8	
TOLJ	Toititoli	52.42 289	P	P	10 23 22.0	-2.7
TOLJ	comp=Z,2.1nm,1.0s			IAMB	10 23 25.2	
VNDA	Vanda	56.15 182	LR	LR	10 45 46.5	
QSPA	South Pole Qui	65.54 180	P	P	10 25 16.3	-0.7
QSPA	South Pole Qui	65.54 180	P	P	10 25 16.2	-0.8
NJ2	Nanjing	71.60 317	eP	pP	10 25 38.0	+2.0
NJ2	comp=Z,1.1nm,0.6s			pmax	10 25 46.8	-0.2
NJ2	comp=Z,1.1nm,0.6s			pmax	10 25 46.8	-0.2
USRK	Ussuriysk Ar.	73.60 333	P	P	10 25 48.9	+1.3
PETK	Petrovlovsk-k	74.94 353	LR	LR	10 51 39.9	
MDJ	Mudanjiang	74.95 332	P	pmax	10 25 52.8	-2.7
MDJ	comp=Z,7.0nm,2.0s			pmax	10 25 52.8	-2.7
MAW	Mawson	76.19 202	P	P	10 26 02.2	-0.2
MAW	comp=Z,2.9nm,0.7s			pmax	10 26 01.7	-0.6
CMAR	Chiang Mai Arr	79.11 295	P	P	10 26 20.1	+0.6
BELA	Belgrano 2	79.86 175	P	P	10 26 21.6	-1.0
BELA	comp=Z,1.4nm,1.3s			IAMB	10 26 32.9	
PZH	PanZhiHua	80.64 303	P	pmax	10 26 31.9	+4.1
PZH	comp=Z,1.0nm,0.5s			pmax	10 26 31.9	+4.1
HHC	Hu-ho-hao-te	81.72 320	eP	pmax	10 26 35.3	+2.1
HHC	comp=Z,2.0nm,0.5s			pmax	10 26 35.3	+2.1
ELIB	Princess Elisa	83.84 190	dP	P	10 26 43.4	-0.4
LZH	Lanzhou	83.98 312	eP	pP	10 26 46.6	+1.5
LZH	comp=Z,1.4nm,1.3s			pP	10 26 57.8	-0.1
SEY	Seymchan	85.17 353	LR	LR	11 00 44.9	
TROLL	Troll, Antarti	86.24 184	LP	P	10 26 55.4	-0.5
SNA4	Sanae	86.87 183	P	IAMB	10 26 58.6	-0.3
SNA4	comp=Z,7.3nm,1.3s			IAMB	10 26 57.8	-1.1
SNA4	Sanae	86.87 183	P	P	10 26 57.1	-1.8
SNA4	comp=Z,3.4nm,1.0s,baz=195,slow=4.2,SNR=5.7			IAMB	10 26 57.1	-1.8
SOMM	Songino Array	88.82 323	P	P	10 27 08.5	0.0
J18K	Inoko River	88.91 15	P	P	10 27 07.8	-0.6
DNV	Deep Springs	90.33 50	P	P	10 27 16.0	+0.3
NVAR	Minna Array Bea	90.58 49	P	P	10 27 16.4	-0.7
NV11	Minna Array Sit	90.69 49	P	IAMB	10 27 15.4	-2.1
NV11	comp=Z,4.0nm,1.0s			IAMB	10 27 32.9	
KVN	Kaiserville	91.00 48	P	P	10 27 18.3	-0.7
PRN	Pahroc Range	92.44 51	IAMB	IAMB	10 27 25.3	-0.4
ILAR	Eielson Array	92.51 17	P	P	10 27 23.7	-1.4
ILAR	comp=Z,0.5nm,0.8s			IAMB	10 27 23.7	-1.4

TXAR	Lajitas Array	98.17 62	P	Pdf	10 27 50.7	-1.2
WMO	Urumqi	98.51 314	eP	Pdf	10 27 54.8	+1.7
CRVS	Cerveca-Dubn	142.34 324	ePKP	PKPK	10 33 49.2	-0.8
VYHS	Yurumqi	143.98 326	ePKP	PKPK	10 33 55.1	+1.7
BRG	Berggiesshubel	144.73 332	ePKP	PKPdf	10 33 51.3	+0.3
BRG	Comp=Z,10nm,1.1s			PKPK	10 33 52.4	
CLL	Collin	144.81 334	iPKPbc	PKPdf	10 33 49.8	-1.4
CLL	comp=Z,11nm,0.9s			iPKPK	10 33 55.7	+0.8
CLL	comp=Z,12nm,1.2s			PKPKPdf	10 34 01.5	-0.9
EKA	Eskdalemuir Ar	145.71 352	PKPbc	PKPab	10 37 21.0	
RONA	Rosalia, Austr	145.80 326	ePKP	PKPK	10 33 52.6	-0.7
CONA	Conrad Observa	145.88 327	iPKP	PKIKP	10 33 55.4	-1.8
KHC	Kasperke Hory	146.15 330	ePKP	PKPbc	10 33 55.3	-2.1
GERES	GERES Array B	146.30 330	PKPbc	PKPbc	10 33 54.0	-0.6
ARSA	Arzberg	146.49 326	ePKP	pPKPdf	10 33 54.2	-0.9
ARSA	comp=Z,2.9nm,0.6s			pPKPdf	10 34 02.7	+0.1
MOA	Molin	146.72 328	ePKP	pPKPdf	10 34 02.5	-0.5
GRF	Greenberg Arr	146.78 333	ePKPbc	PKPab	10 34 02.7	+0.1
SOKA	Sotho	147.12 326	ePKP	PKPab	10 33 57.1	-0.6
SOKA	comp=Z,6.6nm,1.1s			PKPab	10 33 58.0	-1.2
OBKA	Obkir	147.48 326	ePKP	PKPab	10 34 00.0	-0.6
MYKA	Terra Mystica	147.87 327	ePKP	pPKPdf	10 34 00.0	-0.6
ABTA	Abtaltersbach	148.35 328	ePKP	PKPbc	10 34 03.7	-1.3
WTTA	Wattenberg	148.40 330	ePKP	PKIKP	10 34 03.7	-1.3
MOTA	Moosalm	148.59 330	iPKP	PKIKP	10 33 59.2	-1.7
SOTA	Sankt Quirin	148.63 330	iPKPKP	PKPab	10 34 01.9	-1.2
SOTA	comp=Z,3.9nm,1.1s			PKPab	10 34 13.0	+7.7
RETA	Reutte	148.64 331	ePKPKP	PKPab	10 34 11.4	+6.2
FETA	Feichten	149.09 330	iPKP	PKIKP	10 34 03.1	-0.8
DAVA	Damuels	149.19 332	ePKP	PKPbc	10 34 00.6	-2.5
ESDC	Sonessa Array	160.89 343	PKPab	PKPab	10 34 54.8	-2.5
ESDC	comp=Z,0.2nm,0.3s,baz=349,slow=2.6,SNR=22			PKPab	10 34 54.8	-2.5
IDC 20 10:15:32.4:341.0,55.75N:18.04E, h0km, Error ellipse: s-maj=136.8km s-min=119.9km az=27.0, Baltic Sea						
I26DE	FREYUNG INFRAS	7.40 203	Op	ISC	10 58 20.0	
I43RU	DUBNA INFRASO1.02	7.72	I	I	11 19 10.0	
I37NO	I37NO	13.37	I	I	11 38 20.0	
IDC 20 10:18:33.5:5.2,21.14S:168.50E, h0km, mb3.6/3, mbmp3.6/4, ML3.4/1, Error ellipse: s-maj=126.5km s-min=56.3km az=139.0, Loyalty Islands						
DZM	Mont Dzumac	2.12 244	Op	ISC	10 19 10.1	-0.2
DZM	14nm,0.3s,baz=65,slow=19,SNR=5.4			Sn	10 19 38.2	+0.8
DZM	43nm,0.3s,baz=81,slow=19,SNR=7.3			Sn	10 19 38.2	+0.8
STKA	Stephens Creek	26.27 240	P	P	10 21 14.1	+0.8
STKA	comp=Z,0.7nm,0.6s,baz=71,slow=8.9,SNR=3.1			P	10 21 14.1	+0.8
WRA	Warramunga Arr	31.97 266	P	P	10 20 51.2	-0.3
ASAR	Alice Springs	32.03 259	P	P	10 25 01.8	-0.3
ASAR	comp=Z,6.8nm,0.9s,baz=84,slow=9.5,SNR=7.7			P	10 25 01.8	-0.3
IDC 20 10:21:40.8:2.1,21.32S:169.15E, h0km, mb3.9/3, mbmp3.9/4, ML3.7/1, Error ellipse: s-maj=93.9km s-min=30.4km az=159.0, Southeast of Loyalty Islands						
DZM	Mont Dzumac	2.62 253	Op	ISC	10 22 24.8	+0.3
DZM	114nm,0.3s,baz=78,slow=20,SNR=3.0			Sn	10 22 52.9	-4.2
WRA	Warramunga Arr	32.57 266	P	P	10 28 13.7	-0.4
ASAR	Alice Springs	32.60 259	P	P	10 28 14.5	+0.1
NVAR	Minna Array Bea	90.24 49	P	P	10 34 43.9	+0.1
NVAR	comp=Z,0.6nm,0.8s,baz=222,slow=5.5,SNR=5.0			P	10 34 43.9	+0.1
IDC 20 10:29:08.3:345.0,55.57N:17.54E, h0km, Error ellipse: s-maj=136.8km s-min=119.1km az=23.0, Baltic Sea						
I26DE	FREYUNG INFRAS	7.13 201	Op	ISC	11 10 50.0	
I43RU	DUBNA INFRASO1.1	7.04	I	I	11 33 00.0	
I37NO	I37NO	13.56	I	I	11 54 10.0	
IDC 20 10:34:12.9:1.8,33.29N:84.60E, h0km, mb3.3/4, mbmp3.4/7, ML3.1/3, MS3.5/3, Error ellipse: s-maj=43.0km s-min=28.1km az=62.0						
IDC 20 10:34:20.1:0.9,33.57N:0.085,0E:0.2, h35km, n18, s185/16, mb3.3/3, Xizang						
DANN	Dangsing	5.31 192	eP	ISC	10 35 39.4	+2.2
PUN	Puian	5.70 172	eP	Pn	10 35 43.4	+0.9
GUYN	Guyuan	5.72 198	eP	Pn	10 35 43.0	+0.2
KOLN	Koldana	5.91 192	eP	Pn	10 35 47.1	+1.8
DMN	Daman	5.95 179	eP	Pn	10 35 47.4	+1.5
JIRN	Jiri	5.98 170	eP	Pn	10 35 47.0	+0.5
PKIN	Phukhoki	5.99 177	eP	Pn	10 35 47.8	+1.3
PKI	Pulchoki	5.99 176	eP	Pn	10 35 48.5	+1.9
RAMN	Ramit	6.74 168	eP	Pn	10 35 56.2	-0.7
MKAR	Makanchi Array	13.37 352	Pn	LR	10 37 28.1	+0.9
MKAR	comp=Z,3.8nm,19.8s,baz=148,slow=38			LR	10 42 43.1	
KURBE	Kurchatov Arr	17.69 346	P	Pn	10 38 22.7	-0.8
KURBE	comp=Z,0.5nm,0.8s,baz=111,SNR=2.2			Pn	10 38 22.7	-0.8
CMAR	Chiang Mai Arr	19.55 137	P	P	10 38 42.2	-2.2
CMAR	comp=Z,0.2nm,0.3s,baz=315,slow=12,SNR=9.1			P	10 38 42.2	-2.2
ZALV	Zalesovo Beam	20.37 360	P	P	10 38 53.4	-0.1
ZALV	comp=Z,2.2nm,0.9s,baz=186,slow=13,SNR=6.7			P	10 38 53.4	-0.1
SONM	Songino Array	21.49 42	P	P	10 39 07.2	+1.4
SONM	comp=Z,0					

20d 10h

Table of seismic events for 20d 10h, listing station names, coordinates, magnitudes, and other parameters.

2017 NOV

Summary statistics for 2017 NOV, including counts for different magnitude ranges and station counts.

Main table of seismic events for 2017 NOV, listing station names, coordinates, magnitudes, and other parameters.

1478

Table of seismic events for 1478, listing station names, coordinates, magnitudes, and other parameters.

Summary statistics for 1478, including counts for different magnitude ranges and station counts.

Main table of seismic events for 1478, listing station names, coordinates, magnitudes, and other parameters.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like NATI, BLGI, AKUM, etc.

JMA 20 10:58:50.9, 0.2, 233.9N, 0.7, 125.3E, 0.5, h52km, MV3, 4/14, NEAR MIYAKOJIMA ISLAND

IDD 20 10:58:55.0, 0.5, 24.06N, 125.73E, h74km, 95km, mb3.2/4, mbmp3.6/5, ML3.3/1, Error ellipse: s-maj=72.4km s-min=64.0km

ISC 20 10:58:49.2, 2.2, 23.82N, 0.07, 125.39E, 0.05, h23km, 16km, n23, c1525/34, mb3.6/4, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like JMW2, JOGS, JIRB, etc.

JSO 20 11:15:03.29, 2.7N, 34.89E, h4km, ML2.3/11, Mw2.5/11

HLW 20 11:15:05.0, 2.9, 16N, 34.87E, h17km, 1km, Md2.9, Mm2.5/4

ISC 20 11:15:03.4, 1.4, 29.23N, 0.05, 34.94E, 0.08, h19km, 3km, n24, c052/34, Egypt

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like HBST, NUB, EIL, etc.

NOU 20 11:19:27.0, 21.045S, 169.65E, h0km, MLV4.3/6, Southeast of Loyalty Islands, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PINNC, OUCEN, DZM, etc.

IDD 20 11:33:13.0, 0.9, 21.41S, 168.82E, h0km, mb4.3/8, mbmp4.3/9, ML3.8/1, MS3.4/7, Error ellipse: s-maj=28.5km s-min=18.0km az=175.0

NEIC 20 11:33:14.4, 0.9, 21.41S, 0.07, 168.78E, 0.04, h10km, 1km, mb4.5/18, Error ellipse: s-maj=12.4km s-min=6.1km az=356.0

ISC 20 11:33:16.0, 0.5, 21.38S, 0.08, 168.66E, 0.06, h20km, n59, c1502/54, mb4.5/16, MS3.4/4, 2C, Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like MARNC, LIFNC, PINNC, etc.

NIUE Niue 20.22 87 P 11 37 47.2 -2.2

CTA Charters Tower 21.00 269 LR 11 45 39.7 -2.2

KRVTV Keravat (AS076) 23.43 314 P 11 38 24.7 +0.6

TOO Toolangi 25.73 226 P 11 38 45.4 +0.2

STKA Stephens Creek 26.29 241 P 11 38 50.2 -0.2

STKA Stephens Creek 26.29 241 P 11 38 50.7 +0.3

RAR Rarotonga 29.39 96 LR 11 41 16.8

BBOO Buclelebo 31.06 242 P 11 39 32.6 -0.2

WR0 Warramunga Arr 31.92 266 P 11 39 40.4 -0.2

WR0 Warramunga Arr 32.09 267 P 11 39 41.0 -1.1

WRAB Tennant Creek 32.10 266 P 11 39 41.9 -0.3

WRA Warramunga Arr 32.11 266 P 11 39 41.6 -0.6

WRA Warramunga Arr 32.11 266 P 11 39 41.7 -0.5

AS31 Alice Springs 32.14 259 P 11 39 42.4 -0.1

ASAR Alice Springs 32.14 259 P 11 39 42.4 -0.1

ASAR Alice Springs 32.14 259 P 11 39 42.5 +0.1

MTN Mantion Dam 36.78 277 P 11 40 22.6 0.0

KNRA Kunurra 38.18 272 P 11 40 34.4 -0.1

PPT Papeete 39.47 92 P 11 40 47.2 +1.9

PSA00 Pilbara Seismi 45.27 260 P 11 41 32.4 -0.1

MBWA Marble Bar 45.45 261 P 11 41 34.0 +0.1

NWAO Narrogin (SRO) 46.78 244 P 11 41 44.2 -0.1

TOL12 Tolitoli 51.83 289 P 11 42 22.3 -0.8

QSPA South Pole Qui 68.69 180 P 11 44 17.4 -0.6

QSPA South Pole Qui 68.69 180 P 11 44 19.0 +1.1

CMAR Chiang Mai Arr 78.90 295 P 11 45 19.4 +0.9

CMAR Chiang Mai Arr 78.90 295 P 11 45 20.6 +2.2

TROLL Troll, Antarti 86.37 184 P 11 45 57.3 +0.6

BRDH Baridahaal 86.88 286 LR 12 27 44.3

SNAAS Sanae 87.01 183 P 11 45 59.9 +0.2

NVAR Mirna Array Bea 90.61 49 P 11 46 17.5 +0.1

EKA Eskdalemuir Arr 145.54 352 PKPbc PKPab 11 52 53.0 +0.2

RONA Rosalia, Austr 145.59 326 ePKP PKIKP 11 52 55.6 -1.3

KONC Conrad Observa 145.66 327 ePKP PKIKP 11 52 55.5 -1.9

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KBS, BRBB, SPAA, etc.

IDD 20 11:42:32.4, 1.2, 18.34N, 145.82E, h0km, mb3.8/8, mbmp3.8/8, Error ellipse: s-maj=43.5km s-min=20.2km az=82.0

ISC 20 11:42:50.1, 1.2, 18.22N, 0.2, 145.66E, 0.3, h150km, n8, c0575/8, mb3.6/8, Mariana Islands

WRA Warramunga Arr 39.53 197 P 11 50 06.8 +0.2

ASAR Alice Springs 43.20 196 P 11 50 36.0 -0.4

SOMN Songino Array 43.45 322 P 11 50 37.7 -0.6

ZALV Zalevovo Beam 58.33 323 P 11 52 29.3 0.0

MKAR Makanchi Array 58.72 314 P 11 52 33.5 +1.3

KURBB Kurchatov Arra 61.60 318 P 11 52 52.1 +0.5

BVAR Borovoye Array 66.77 321 P 11 53 24.8 -0.5

NVAR Mina Array Bea 83.48 52 P 11 55 01.7 +0.1

IDD 20 11:59:38.8, 2.9, 8.85S, 133.46E, h0km, mb3.5/1, mbmp3.8/3, ML3.8/2, MS3.1/2, Error ellipse: s-maj=124.9km s-min=29.3km az=78.0

NEIC 20 11:59:38.2, 2.2, 8.53S, 0.08, 134.3E, 0.1, h12km, 6km, mb4.3/4, Error ellipse: s-maj=18.3km s-min=11.4km az=95.0

ISC 20 11:59:41.6, 1.1, 8.66S, 0.08, 134.2E, 0.2, h35km, n18, c281/19, mb4.1/3, Arafura Sea

SAUI Saumlaki 2.94 283 P 12 00 24.6 -1.4

MTN Mantion Dam 5.12 241 P 12 00 56.3 +0.2

FAKI Fak Fak 6.02 341 P 12 01 05.7 +2.5

KNRA Kunurra 8.77 217 P 12 01 45.8 -0.2

SOEI Soe 9.86 263 Pn 12 02 04.2 +1.3

WB0 Warramunga Arr 11.05 179 P 12 02 18.4 +1.1

WB2 Warramunga Arr 11.22 179 P 12 02 20.1 +0.4

WRA Warramunga Arr 11.22 179 Pn 12 02 18.4 -1.3

WRA Warramunga Arr 11.22 179 Pn 12 02 18.2 -1.4

WRA Warramunga Arr 11.22 179 Pn 12 02 23.6 -0.3

WR0 Warramunga Arr 11.24 178 P 12 02 20.5 +0.6

AS31 Alice Springs 14.93 181 P 12 03 09.5 -0.7

ASAR Alice Springs 14.93 181 Pn 12 03 09.9 -0.3

ASAR Alice Springs 14.93 181 Pn 12 03 09.3 -0.9

ASAR 0.5nm, 0.3s, baz=1.5, slow=9.4, SNR=102 Sn 12 05 48.6 -5.9

ASAR 0.5nm, 0.3s, baz=2.8, slow=2, SNR=6.4 LR 12 09 17.0

ASAR 0.5nm, 0.3s, baz=2.8, slow=2, SNR=6.4 LR 12 09 17.0

FORT Forrest 22.75 194 P 12 04 43.8 +3.0

BBOO Buclelebo 24.10 176 P 12 04 57.7 +3.6

BBOO Buclelebo 24.10 176 P 12 05 37.3

MJAR 45.11 5 LR LR 12 23 59.8

MKAR Makanchi Array 71.91 325 P 12 11 02.4 +1.1

QSPA South Pole Qui 81.33 180 P 12 11 53.7 -0.7

QSPA South Pole Qui 81.33 180 P 12 12 30.3

NEIC 20 12:18:47.3, 0.5, 20.7S, 0.4, 178.5W, 0.2, h575km, 22km, mb4.2/4, Error ellipse: s-maj=58.4km s-min=23.1km az=191.0

IDD 20 12:18:48.0, 2.2, 20.69S, 178.63W, h572km, 24km, mb3.2/5, mbmp4.1/6, Error ellipse: s-maj=28.5km s-min=25.1km az=139.0

ISC 20 12:18:47.8, 0.8, 20.6S, 0.2, 178.5W, 0.1, h587km, n23, c086/24, mb4.2/12, Fiji Islands

MSFV Nonsavu 4.34 311 P 12 20 13.9 -1.0

NIUE Niue 8.22 81 P 12 20 47.0 -1.8

EIDS Eidsvold 28.36 255 P 12 23 55.8 -0.4

CTAO Charters Tower 33.01 265 P 12 23 55.6 -0.4

STKA Stephens Creek 37.31 244 P 12 25 11.0 0.0

STKA Stephens Creek 37.31 244 P 12 25 11.5 0.0

WB0 Warramunga Arr 44.10 263 P 12 26 05.3 -0.1

WB0 Warramunga Arr 44.10 263 P 12 26 05.8

WB2 Warramunga Arr 44.11 262 P 12 26 05.2 -0.3

WB2 Warramunga Arr 44.11 262 P 12 26 07.7

WRA Warramunga Arr 44.12 262 P 12 26 05.0 -0.6

WRA Warramunga Arr 44.12 262 P 12 26 05.4 -0.1

MTN Mantion Dam 48.69 271 P 12 26 39.9 -0.2

MTN Mantion Dam 48.69 271 P 12 27 06.5

FORT Forrest 48.82 247 P 12 26 39.7 -1.1

FORT Forrest 48.82 247 P 12 26 46.4

KNRA Kunurra 50.18 266 P 12 26 50.9 -0.1

MBWA Marble Bar 57.37 258 P 12 27 41.3 -0.3

QSPA South Pole Qui 69.46 180 P 12 28 58.6 +0.7

QSPA South Pole Qui 69.46 180 P 12 29 00.8

QSPA South Pole Qui 69.46 180 P 12 28 58.8 +0.9

ILAR Eileasloy Arr 85.53 13 P 12 30 04.3 +2.1

BVAR Borovoye Array 118.86 320 PKP PKIKP 12 36 31.5 +1.4

BVAR Borovoye Array 118.86 320 PKP PKIKP 12 36 31.5 +1.4

IDD 20 12:26:13.5, 1.9, 5.91S, 152.25E, h0km, mb3.7/3, mbmp3.8/4, ML1.7/1, Error ellipse: s-maj=53.7km s-min=18.4km az=109.0, New Britain region

KRVT Keravat (AS076) 1.61 352 Pn 12 26 44.3 -0.1

20d 13h

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

IDC 20 12:27:36.8, 1.4, 21.63S; 168.67E, h0km, mb4.1/6, mbmp4.07, ML3.7/1, MS3.1/4, Error ellipse: s-maj=38.4km

NEIC 20 12:27:38.0, 2.0, 21.49S; 0.07, 168.68E, 0.05, h10km, 1km, mb4.4/13, Error ellipse: s-maj=12.2km s-min=7.7km

ISC 20 12:27:39.2, 1.0, 21.45S; 0.10, 168.63E; 0.10, h20km, n32, s107/31, mb4.3/10, Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MARNC, LIFNC, PINNC, OUENC, DZM.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ONTNC, KOUNC, MSVFC.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WR0, WR0, WB0, WB0.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, WRA, WB2, WB2.

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MBWA, GORL, GIRA, GQSA.

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

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

IDC 20 12:29:59.8, 1.8, 3.17N; 126.73E, h0km, mb3.8/3, mbmp3.8/3, MS2.9/1, Error ellipse: s-maj=159.0km

NEIC 20 12:30:03.9, 1.9, 3.00N; 0.07, 125.92E; 0.08, h10km, 1km, mb4.5/18, Error ellipse: s-maj=13.5km s-min=12.5km

DJA 20 12:30:08.4, 1.2, 3.1N; 3.12E, h10km, 1km, MB4.3/13, mb4.4/5, mB5.13, MLV4.2/13, Mw(mB)4.4/3

ISC 20 12:30:10.7, 0.6, 2.93N; 0.05, 126.02E; 0.06, h72km, n38, s185/43, mb4.3/13, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SGGSI, TNTI, TNTI, KMSI, GTOCI, LBMI, MRSI, SANI, LWUI, TOLJ2, TOLJ2, NLAI, MPSI, SOEI, KNBA, WRA, WB0.

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BB00, BB00, PALK, MSVFC, MK31, MKAR, MKAR.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR, KURK, KURK, TIXI, TIXI.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ATKA, ABKAR, D19K, D19K.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like C23K, C23K, QGSA, QGSA.

IDC 20 12:38:14.3, 10.0, 16.75S; 178.70W, h379km, 105km, mb3.2/7, mbmp3.9/7, Error ellipse: s-maj=35.0km

ISC 20 12:38:16.3, 0.9, 16.8S; 0.2, 178.8W; 0.3, h400km, n7, s064/7, mb3.4/7, Fiji Islands region

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

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

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

IDC 20 12:47:49.4, 1.0, 10.10S; 152.63E, h0km, mb3.8/9, mbmp3.9/12, ML1.2/1, MS3.5/11, Error ellipse: s-maj=30.8km s-min=19.6km az=99.0

ISC 20 12:47:54.0, 0.9, 10.15S; 0.1, 152.6E; 0.1, h35km, n20, s191/13, mb3.9/9, MS3.8/9, D'Entrecasteaux Islands region

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GUM0, GUM0, URZ, URZ.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RPZ, RPZ, NWA0, NWA0.

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

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

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H1S3, H1S3, H1S1, H1S1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR, MKAR, IDC, TRN.

1480

NEIC 20 13:00:29.6, 0.9, 18.9N; 0.2, 65.02W; 0.04, h35km, 2km, ML3.9/20, MD3.7/6 (RSPR), Error ellipse: s-maj=26.2km s-min=6.4km az=1.0

RSPR 20 13:00:30.2, 18.93N; 65.01W, h34km, 18km, MD3.7/6

ISC 20 13:00:29.6, 1.6, 18.9N; 0.1, 65.02W; 0.03, h47km, 19km, n55, s108/60, mb3.4/4, 9C-6D, Puerto Rico region

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ISC 20 13:13:35.7, 0.9, 35.05N; 45.79E, h14km, 832km, ML2.7

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like RDMU Red Mountain, STHS Stebnicka Huta, OJC Ojcow, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like LIFNC LIFOU, QUENC Ouen Island, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like FETA Reutte, DAVA Danuels, ESDC Sonseca Array, etc.

NOU 20 13:50:21.3, 21.465:169:21E, h0km, MLV4.8/7, Southeast of Loyalty Islands
BGR 20 13:50:22.1, 25:35S:170:26E, h33km
IDC 20 13:50:26.0, 21:60S:168:83E, h0km, mb4.4/13, mbmp4.4/14, ML3.7/1, MS3.5/11, Error ellipse: s-maj=21.9km s-min=19.3km az=119.0
NEIC 20 13:50:27.5, 1.0, 21:75S:010:168:77E:0.05, h4km, 4km, mb4.5/16, Error ellipse: s-maj=15.1km s-min=5.0km az=200.0
ISC 20 13:50:29.8, 0.6, 21:57S:010:168:70E:0.07, h20km, n91, 0:85/85, mb4.5/22, MS3.5/8, 3C, Loyalty Islands

1485

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like EHY, EGFH, WHF, etc.

2017 NOV

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like WSL, NMLH, ICHU, etc.

20d 14h

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like TWS1, TWPB, EAST, etc.

20d 15h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Nonsau, Urewera, Matariki Terra, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IPOC Station P, Punta Patache, etc.

1486

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Warramunga Arr, Warramunga Arr, etc.

20d 15h

Table with columns for station name, frequency, and other technical details. Includes stations like KEMA, KMRS, WALJ, TAHT, TRNA, etc.

2017 NOV

Table with columns for station name, frequency, and other technical details. Includes stations like HATD, HATD, ASHO, ASHO, ASHO, etc.

1488

Table with columns for station name, frequency, and other technical details. Includes stations like KBL, KBL, KYMI, KYMI, KYMI, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like AKASG Malin Array Be, AKASG Taraz, AKASG Ohrid, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like STHS Stebnicka Huta, PSZ Piszkesteto, ARU Arti, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like TDK Taldyqorghan, TDK Uzb, UZB Uzynbulak, etc.

20d 15h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MAKZ, NKC, NKC, SEM, FUR, FETA, CLL, etc.

2017 NOV

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like GUN, ZAAO, ZALV, ZALV, ZALV, SSB, etc.

1490

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ETOB, KONS, KONS, FAUS, FOO, STEI, etc.

1491

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KBS Kingsbay, CHTO Chiang Mai, CMAR Chiang Mai Arr, etc.

2017 NOV

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KULM Kulim, SUMG Summit, YAK Yakutsk, etc.

20d 15h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like B18K Kokolik River, MPSI Mapaga, B20K Meade River, etc.

20d 15h

H18K	Honhosa River	80.40	10	P	P	15 35 50.8 +0.1
G30M	IAoh Zraii Nji comp=Z,14nm,0.8s	80.44	1	P	I Amb	15 35 57.6
G30M	IAoh Zraii Nji baz=358	80.44	1	P	P	15 35 51.0 0.0
G27K	Doyon Strip baz=353	80.44	3	P	P	15 35 50.8 -0.2
G29M	Pine Creek baz=355	80.47	2	P	P	15 35 51.2 +0.1
G31M	Satah River comp=Z,18nm,0.8s	80.52	0	I Amb	I Amb	15 35 58.0
G31M	Satah River baz=359,SNR=9.0	80.52	0	P	P	15 35 50.8 -0.5
H20K	Anotleneega Mo baz=342	80.57	9	P	P	15 35 50.9 -0.8
H22K	Ishaitina Cre baz=345	80.59	7	P	P	15 35 51.8 0.0
H21K	Melozitna Rive comp=Z,20nm,0.8s	80.66	8	I Amb	I Amb	15 35 59.6
H21K	Melozitna Rive baz=341	80.66	8	P	P	15 35 52.4 +0.3
H23K	Yukon River baz=346	80.85	7	P	P	15 35 53.6 +0.5
H24K	Noodor Dome baz=348	80.99	6	P	P	15 35 54.1 +0.2
GCSA	Galena City Sc baz=340	81.00	10	P	P	15 35 54.2 +0.3
H27K	Steamboat Moun baz=353	81.02	3	P	P	15 35 54.0 -0.1
EPYK	Eagle Plains baz=357	81.04	1	P	P	15 35 54.1 -0.1
H29M	Whitestone comp=Z,10nm,0.7s	81.16	2	I Amb	I Amb	15 36 04.8
H29M	Whitestone baz=356	81.16	2	P	P	15 35 55.0 +0.3
I17K	Unalakleet baz=337	81.20	12	P	P	15 35 54.9 -0.1
I21K	Tanana baz=344	81.22	8	P	P	15 35 55.0 -0.1
I20K	Naaghdeneel baz=342	81.28	9	P	P	15 35 55.3 -0.1
PRP	Porcupine Dome baz=350	81.49	5	P	P	15 35 56.9 +0.1
MLY	Manley baz=346	81.50	7	P	P	15 35 57.1 +0.5
I23K	Minto, Yukon-K baz=347	81.53	7	P	P	15 35 56.8 +0.1
I27K	Kandik River baz=353	81.64	3	P	P	15 35 57.4 0.0
J14K	Nanvaranak Lak baz=335	81.72	13	P	P	15 35 57.7 -0.1
POKR	Poker Plat Res baz=348,SNR=6.0	81.73	6	P	P	15 35 57.5 -0.4
J16K	Anvik River baz=337	81.78	12	P	P	15 35 57.8 -0.2
MDM	Murphy Dome comp=Z,16nm,0.9s	81.82	6	I Amb	I Amb	15 36 05.5
I26K	Cook Creek Min baz=352	81.86	4	P	P	15 35 58.5 +0.1
I28M	Miner Creek baz=355	81.87	3	P	P	15 35 58.6 -0.1
J19K	Poorman baz=341	81.90	10	P	P	15 35 58.8 +0.1
J20K	Nowinta River baz=343	81.92	9	P	P	15 35 58.9 +0.1
COLA	College baz=348	81.94	6	P	P	15 36 04.4 +5.6
COLA	College baz=348	81.94	6	P	P	15 35 59.0 +0.1
COLA	College comp=Z,22nm,2.1s	82.02	2	P	P	15 36 00.6 +1.8
I29M	Oglivie Camp, baz=356	82.02	2	P	P	15 35 59.4 0.0
NEA2	Nenana baz=347	82.10	7	P	P	15 35 59.5 -0.3
ILAR	Eielson Array comp=Z,0.7nm,0.9s,baz=322,slow=5.1,SNR=5.3	82.12	6	P	P	15 35 59.8 -0.1
ILAR	LR comp=Z,58nm,21.9s,baz=336,slow=38	82.12	6	LR	LR	16 15 30.2
I30M	Mount Dempster comp=Z,7nm,0.9s	82.20	1	I Amb	I Amb	15 36 10.3
I30M	Mount Dempster baz=358	82.20	1	P	P	15 36 00.3 -0.1
BPBW	Bear Paw Mtn. baz=345	82.38	8	P	P	15 36 01.4 +0.2
J25K	Salcha River, baz=350	82.40	5	P	P	15 36 01.6 +0.2
HDA	Harding Lake baz=349	82.47	6	P	P	15 36 01.6 -0.2
EGAK	Eagle baz=354	82.49	3	P	P	15 36 01.9 +0.1
K15K	Wolf Creek Mou baz=337	82.53	13	P	P	15 36 02.0 0.0
J26K	Joseph Creek baz=352	82.63	4	P	P	15 36 02.6 -0.1
K17K	Iditarod baz=339	82.70	11	P	P	15 36 03.0 +0.1
K20K	Telida baz=343	82.72	9	P	P	15 36 02.8 -0.2
J30M	Hart River comp=Z,14nm,1.1s	82.85	1	I Amb	I Amb	15 36 20.1
J30M	Hart River baz=358	82.85	1	P	P	15 36 03.7 -0.1
CAST	Castle Rocks baz=344	82.91	8	P	P	15 36 03.8 -0.2
MCK	McKinley baz=347	82.95	7	P	P	15 36 03.4 -0.9
TRF	Thorofare Moun baz=346	83.09	7	P	P	15 36 04.8 -0.4
L15K	Ungalak Mounta baz=337	83.10	13	P	P	15 36 04.4 -0.6
SCRK	Sand Creek comp=Z,14nm,0.8s	83.12	5	I Amb	I Amb	15 36 05.1 -0.2
SCRK	Sand Creek baz=35	83.12	5	P	P	15 36 12.7
K24K	Donnelly Dome baz=350	83.17	5	P	P	15 36 04.1 -1.2
L14K	Kuka Creek baz=356	83.18	14	P	P	15 36 05.5 +0.1
K27K	Chicken baz=353	83.19	4	P	P	15 36 04.8 -0.6
L17K	Donlin baz=339	83.24	11	P	P	15 36 05.4 -0.4
DAWJ	Dawson baz=355	83.28	3	P	P	15 36 06.4 +0.4
M11K	Mekoryuk baz=333	83.30	16	P	P	15 36 05.9 -0.1
SHEM	Shemya Is, Ala comp=Z,39nm,18.0s,baz=305,slow=40	83.35	29	LR	LR	16 19 47.5
L18K	Granite Mounta baz=341	83.42	11	P	P	15 36 06.5 -0.2
L20M	Barlow Dome baz=357	83.56	2	P	P	15 36 07.3 -0.2
K29K	Farewell, AK baz=343	83.58	9	P	P	15 36 08.0 +0.4
YKA	Yellowknife Ar comp=Z,2.5nm,1.0s,baz=348,slow=8.3,SNR=4.4	83.74	351	P	P	15 36 08.2 -0.1
YKA	LR comp=Z,38nm,18.0s,baz=322,slow=36	83.74	351	LR	LR	16 13 24.3
DHY	Denali Highway comp=Z,2.5nm,1.0s	83.75	6	P	P	15 36 07.9 -0.6
MAYO	Mayo, Yukon baz=358	83.84	1	P	P	15 36 08.7 -0.1
M14K	Bethel baz=336	83.86	14	P	P	15 36 09.1 +0.2
M13K	Dahl Lake baz=335	83.89	14	P	P	15 36 09.3 +0.2
PAX	Paxson baz=350	84.01	5	P	P	15 36 09.3 -0.5
M17K	Holtina River baz=340	84.08	11	P	P	15 36 10.1 0.0
CUT	Chulitna baz=346	84.11	8	P	P	15 36 10.0 -0.2
L26K	Log Cabin Wild baz=352	84.11	4	P	P	15 36 10.7 +0.5
L27K	Beaver Creek, baz=353	84.17	4	P	P	15 36 10.8 +0.3
WAT6	Susitna Watana baz=348	84.20	7	P	P	15 36 10.9 0.0
M18K	Stony River baz=341	84.25	11	P	P	15 36 10.3 -0.6
L29M	L29M baz=356	84.28	2	P	P	15 36 10.0 -1.1
SKT	Skwentna baz=345	84.37	8	P	P	15 36 10.2 -1.3

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HARP	HAARP baz=345	84.60	5	P	P	15 36 10.7 -2.1
M26K	Nabesna, AK baz=352	84.76	4	P	P	15 36 12.7 -0.9
N15K	Kwethluk River baz=338	84.76	13	P	P	15 36 13.4 -0.1
M24K	Tolsona, Glenn baz=357	84.81	6	P	P	15 36 13.6 -0.2
M30M	Minto, Yukon baz=357	84.85	1	P	P	15 36 13.5 -0.5
BVCY	Beaver Creek baz=355	84.86	3	P	P	15 36 14.2 +0.2
M27K	Edg Creek, AK baz=353	84.87	4	P	P	15 36 14.0 -0.2
SML	Sawmill baz=348	84.90	7	P	P	15 36 14.6 +0.3
M29M	Somme Creek baz=356	84.94	2	P	P	15 36 14.1 -0.4
N17K	Nushagak Hills baz=340	84.94	11	P	P	15 36 14.9 +0.4
SCM	Sheep Creek Mo baz=348	84.97	6	P	P	15 36 15.0 +0.3
M23K	Glacier View baz=348	84.97	7	P	P	15 36 15.2 +0.6
N18K	Kilae Creek baz=341	85.01	11	P	P	15 36 14.9 +0.1
PMR	Palmer baz=347	85.03	7	P	P	15 36 15.0 +0.3
N20K	Mount Spurr baz=344	85.04	9	P	P	15 36 14.7 -0.3
N19K	Bonza Creek baz=342	85.09	10	P	P	15 36 15.2 -0.1
FARO	Faro, Yukon baz=0.2	85.23	360	P	P	15 36 16.0 +0.1
M31M	Drury Creek, Y baz=359	85.26	0	P	P	15 36 16.2 +0.2
KNK	Knik Glacier baz=348	85.27	7	P	P	15 36 15.6 -0.5
O14K	Tiguykaiuiv M baz=350	85.38	14	P	P	15 36 16.3 -0.3
N25K	Chitina, Valde baz=351	85.43	5	P	P	15 36 16.8 -0.2
KLU	Klutina baz=350	85.44	6	P	P	15 36 16.8 -0.2
YUK3	Moose Creek baz=354	85.52	3	P	P	15 36 16.4 -1.2
O16K	Kokwok River B baz=340	85.67	12	P	P	15 36 17.0 -1.0
O17K	Kolanek Bris baz=340	85.67	12	P	P	15 36 17.4 -0.6
O19K	Port Alsworth baz=343	85.71	10	P	P	15 36 17.8 -0.4
MCARA	McCarthy VSAT baz=357	85.77	5	P	P	15 36 17.9 -0.7
PWL	Port Wells baz=348	85.83	7	P	P	15 36 17.7 -1.2
HRV	Adam Dziewonsk baz=358	85.87	319	P	P	15 36 18.4 -1.0
O18K	Koktuh Hills baz=342	85.90	11	P	P	15 36 19.1 -0.1
GLI	Glacier Island baz=358	85.93	7	P	P	15 36 18.1 -1.3
N31M	Braeburn, Yuko baz=358	85.96	1	P	P	15 36 18.6 -1.0
N30M	Aishik Lake baz=354	85.96	2	P	P	15 36 18.3 -1.2
YUK4	Talbot Ark baz=356	86.03	2	P	P	15 36 19.0 -1.0
CTG	China Glacier baz=354	86.28	4	P	P	15 36 20.0 -1.3
P17K	Kvichak River baz=341	86.33	12	P	P	15 36 20.9 -0.4
P18K	Big Mountain, baz=342	86.34	11	P	P	15 36 20.8 -0.6
CRQE	Cirque baz=352	86.39	5	P	P	15 36 21.1 -0.6
P19K	Oil Pit baz=344	86.39	10	P	P	15 36 21.1 -0.6
YUK6	Outpost Mounta baz=358	86.44	2	P	P	15 36 21.4 -0.8
O28M	Mount Upton baz=354	86.54	3	P	P	15 36 22.7 0.0
HYT	Haines Junctio baz=357	86.58	2	P	P	15 36 22.9 +0.2
BRSE	Bray Lake S baz=346	86.64	9	P	P	15 36 22.7 -0.2
O30N	Mendenhall baz=358	86.67	1	P	P	15 36 22.6 -0.4
RCBR	Rialto comp=Z,106nm,18.7s,baz=65,slow=36	86.69	261	LR	LR	16 15 10.6
P23K	Montague Islan baz=348	86.77	7	P	P	15 36 22.8 -0.7
Q16K	King Salmon baz=359	86.78	12	P	P	15 36 22.8 -0.7
WHY	Whitehorse baz=359	86.80	1	P	P	15 36 23.4 -0.4
Q19K	Cape Douglas, baz=343	87.03	10	P	P	15 36 23.5 -1.3
MESA	MESA baz=353	87.03	4	P	P	15 36 24.0 -1.1
O29M	Mount Kennedy baz=356	87.07	2	P	P	15 36 24.7 -0.4
P33M	Teslin, Yukon baz=0.7	87.25	360	P	P	15 36 24.2 -1.7
P30M	Million Dollar baz=357	87.30	2	P	P	15 36 24.8 -1.4
PNL	Peninsula baz=355	87.67	3	P	P	15 36 27.5 -0.4
P29M	Windy Craggy baz=356	87.78	2	P	P	15 36 27.8 -0.7
P32M	Atlin baz=360	87.88	0	P	P	15 36 27.6 -1.4
SADO	Sadowa comp=Z,129nm,18.3s,baz=61,slow=36	88.24	325	LR	LR	16 17 02.9
KDAK	Kodiak Island comp=Z,154nm,18.1s,baz=65,slow=36	88.29	10	LR	LR	16 22 21.3
S14K	Fog Glacier baz=338	88.48	14	P	P	15 36 31.4 -0.5
Q32M	Nakina River baz=1.1	88.50	359	P	P	15 36 31.3 -0.8
PSA00	Pilbara Seismi comp=Z,13nm,1.1s	88.53	117	I Amb	I Amb	15 36 31.1 -1.3
PSA00	FFC comp=Z,32nm,1.6s	88.60	342	P	P	15 36 31.2 -1.2
FFC	Filin Flon comp=Z,34nm,1.9s,baz=55,slow=35	88.60	342	P	P	

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ORG, GEVA, TVAN, IQOM, GRMI, LKRN, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SHMA, GEYT, GYA0, EIL, etc.

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

UZH SATY	baz=326	9.86 327 eP	Pn	18 28 52.1 +1.2
SATY	baz=323	10.07 324 eP	Pn	18 28 54.7 +0.8
SATY	baz=323	10.07 324 eP	Pn	18 28 54.6 +0.8
ITAN	IAMS_20	10.12 140 ex	Pn	18 28 55.5 +1.2
ITAN	IAMS_20		Pn	18 33 05.6
ZHN	comp=Z,3um,5.1s	10.14 325 eP	Pn	18 28 56.1 +1.3
ZHN	Zhinishe	10.14 325 eP	Pn	18 28 56.1 +1.3
KPKS	baz=326	10.26 327 eP	Pn	18 28 57.6 +1.3
KPKS	Kokpek	10.26 327 eP	Pn	18 28 57.6 +1.3
NRN	baz=326	10.26 327 eP	Pn	18 28 57.6 +1.3
NRN	Naryn	10.32 311 P	Pn	18 28 57.5 +0.1
NRN	Naryn	10.32 311 P	Pn	18 28 57.5 +0.1
ULHL	Ulahol	10.66 315 P	Pn	18 29 06.9 +4.9
TNSS	Tian-Shan	10.79 320 eP	Pn	18 29 05.5 +1.5
TNSS	baz=319	10.79 320 eP	Pn	18 29 05.4 +1.5
MDOK	Medeo	10.83 321 eP	Pn	18 29 06.1 +1.8
MDOK	baz=320		LR	18 33 16.3
MDOK	comp=Z,599nm,10.6s, baz=320	10.83 320 eP	LR	18 29 06.0 +1.8
MDOK	MLR		MLR	
MDOK	comp=Z,599nm,11.0s		MLR	
KNDC	Almaty	10.91 321 P	Pn	18 29 07.8 +2.6
AAA	Alma-Ata	10.93 321 eP	Pn	18 29 07.3 +1.8
AAA	Alma-Ata	10.93 321 eP	Pn	18 29 07.3 +1.8
NIL	Nilore	10.96 266 P	Pn	18 29 05.9 -0.1
NIL	Nilore	10.96 266 P	Pn	18 29 05.9 -0.1
KZA	Kyzart	11.15 312 P	Pn	18 29 13.3 +4.4
ARXS	Arharly	11.23 327 eP	Pn	18 29 10.5 +0.9
CHKK	Chushkaly	11.36 323 eP	Pn	18 29 11.1 -0.2
CHKK	baz=322		Pn	18 29 11.1 -0.2
TKM2	Tokmak 2	11.46 316 P	Pn	18 29 14.8 +2.0
TKM2	SNR=33		Pn	18 29 14.7 +1.8
TKM2	Tokmak 2	11.46 316 P	Pn	18 29 14.7 +1.8
KOHI	KOHIMA	11.48 143 ex	x	18 29 13.2
GTA	Gaotai	11.52 64 eP	Pn	18 29 13.5 -0.1
GTA	comp=Z,7.0nm,1.2s		LR	18 29 23.8
GTA	comp=Z,3um,14.2s		LR	
GTA	comp=Z,2um,13.8s		LR	
GTA	comp=Z,2um,13.5s		LR	
ARLS	Aral	11.61 309 P	Pn	18 29 17.5 +2.6
ARLS	comp=Z,15nm,0.9s		Pn	18 29 17.5 +2.6
TDK	Taldyqorghan	11.62 331 eP	Pn	18 29 15.3 +0.4
TDK	baz=330		LR	18 33 54.5
TDK	comp=Z,405nm,10.4s, baz=330	11.62 330 eP	LR	18 29 15.2 +0.4
TDK	MLR		MLR	
TDK	comp=Z,405nm,10.0s		MLR	
KBK	Karagaybulak	11.67 314 P	Pn	18 29 18.8 +3.1
UCH	Uchtor	11.69 311 P	Pn	18 29 19.7 +3.4
KUU	Kurty	11.71 322 eP	Pn	18 29 17.5 +1.4
KUU	baz=321		LR	18 34 08.4
KUU	comp=Z,360nm,10.1s, baz=321	11.71 322 eP	LR	18 34 08.4
KUU	MLR		MLR	
AAK	Ala-Archa	11.93 313 P	Pn	18 29 22.1 +2.7
AAK	SNR=43		Pn	18 29 22.1 +2.7
AAK	Ala-Archa	11.93 313 P	Pn	18 29 21.6 +2.3
AAK	Ala-Archa	11.93 313 P	Pn	18 29 22.0 +2.7
AAK	comp=Z,0.4nm,0.3s, baz=112, slow=9.5, SNR=46		Lg	18 32 51.6
AAK	Lg		Lg	
AAK	comp=Z,0.1nm,0.3s, baz=318, slow=12, SNR=2.0		LR	18 34 59.4
FRU1	Bishkek	11.95 314 P	Pn	18 29 20.2 +0.7
FRU1	Bishkek	11.95 314 P	Pn	18 29 20.2 +0.7
CHMS	Chumysh	11.99 315 P	Pn	18 29 23.4 +3.4
MK31	Makanchi Array	12.07 346 P	Pn	18 29 20.5 -0.6
MK31	Makanchi Array	12.07 346 d/P	Pn	18 29 21.0 -0.1
MKAR	Makanchi Array	12.07 346 P	Pn	18 29 20.9 -0.2
MKAR	Makanchi Array	12.07 346 P	Pn	18 29 21.1 -0.1
MKAR	comp=Z,0.5nm,0.3s, baz=152, slow=14, SNR=49		LR	18 33 57.1
IMP	Imph	12.15 145 ex	x	18 29 22.6
MAKZ	Makanchi	12.15 345 P	Pn	18 29 21.2 -0.9
MAKZ	Makanchi	12.15 345 P	Pn	18 29 21.2 -0.9
AML	Almayashu	12.15 309 P	Pn	18 29 24.7 +2.2
AML	SNR=29		Pn	18 29 25.0 +2.5
AML	Almayashu	12.15 309 P	Pn	18 29 25.0 +2.5
ARSB	Arslanbob	12.24 304 P	Pn	18 29 22.5 -0.9
ARSB	Arslanbob	12.24 304 P	Pn	18 29 22.5 -0.9
SGDS	Sogindy	12.34 316 eP	Pn	18 29 26.6 +1.8
SGDS	baz=315		Pn	18 29 26.6 +1.8
ZSN	Zaisan	12.38 355 eP	Pn	18 29 25.6 +0.3
ZSN	baz=354		Pn	18 29 25.6 +0.3
EKSZ	Erkin-Say	12.38 311 P	Pn	18 29 31.5 +6.0
ARK	Arkit	13.13 305 P	Pn	18 29 39.0 +3.4
ARK	comp=Z,14nm,1.2s		Pn	18 29 37.4 -0.6
BTK	Batken	13.31 296 P	Pn	18 29 37.4 -0.6
BTK	Batken	13.31 296 P	Pn	18 29 37.5
JHSG	JHARSUGAY	13.50 191 ex	x	18 29 43.1 +1.3
TRKS	Terek-Say	13.58 303 P	Pn	18 29 43.1 +1.3
SAIH	SAIHA	13.83 154 eP	Pn	18 29 44.5 -0.8
DZA	Taraz	14.05 308 eP	Pn	18 29 50.3 +2.2
DZA	baz=307		Pn	18 29 50.3 +2.2
LZH	Lanzhou	14.23 81 eP	Pn	18 29 50.3 +2.2
LZH	comp=Z,37nm,0.9s		Pn	18 29 55.3 -2.9
LZH	comp=Z,1um,16.1s		Pn	18 29 59.0 +8.3
LZH	comp=Z,37nm,0.9s		Pn	18 30 02.1
LZH	comp=Z,1um,16.1s		LR	
LZH	comp=Z,770nm,12.7s		LR	
CHGR	Chuyangaron	14.25 289 Pn	Pn	18 29 49.9 -1.0
CHGR	Chuyangaron	14.25 289 Pn	Pn	18 29 49.9 -1.0
KBL	Kabul	14.27 273 P	Pn	18 29 51.9 +0.5
KBL	Kabul	14.27 273 P	Pn	18 29 51.9 +0.5
TNCH	TengChong	14.51 131 P	Pn	18 29 53.8 -0.9
TNCH	comp=Z,289nm,19.1s, baz=136, slow=39		Pn	18 30 03.4 +0.8
TNCH	SN		Pn	18 32 43.6 +7.8
TNCH	comp=Z,11nm,1.7s		Pn	18 31 16.2 +0.9
TNCH	comp=Z,140nm,4.4s		Pn	18 31 20.0
TNCH	comp=Z,920nm,7.3s		LR	
TNCH	comp=Z,430nm,8.8s		LR	
IUG	luzhnay	14.59 304 eP	Pn	18 29 58.0 +2.4
IUG	baz=303		Pn	18 29 57.9 +2.4
DGZ	Jazzator, Alta	14.60 304 d/P	Pn	18 29 55.2 -0.5
KK31	Karatay Array	14.68 308 Pn	Pn	18 29 56.3 -0.3
KK31	Karatay Array	14.68 308 Pn	Pn	18 30 06.4 +3.5
KKAR	Karatay Array	14.68 308 Pn	Pn	18 29 56.9 +0.2

KKAR	Karatay Array	14.68 308 Pn	Pn	18 29 57.9 +1.2
KKAR	Karatay Array	14.68 308 P	Pn	18 29 57.9 +1.2
CHM	Chimkent	14.95 304 eP	Pn	18 30 03.4 -2.5
CD2	Chengdu	15.15 101 P	Pn	18 30 04.3 +1.2
CD2	comp=Z,30nm,0.9s		Pn	18 30 03.4 -2.5
CD2	comp=Z,2um,6.1s		LR	
CD2	comp=Z,700nm,6.5s		LR	
CD2	comp=Z,1um,8.9s		LR	
PZH	PanZhihua	15.71 119 P	Pn	18 30 09.6 -1.0
PZH	comp=Z,10.0nm,1.2s		Pn	18 33 01.0 -3.9
PZH	comp=Z,80nm,3.5s		Pn	18 30 09.6 -1.0
PZH	comp=Z,500nm,7.1s		Pn	18 30 09.6 -1.0
PZH	comp=Z,790nm,8.6s		Pn	18 30 09.6 -1.0
PZH	comp=Z,920nm,7.8s		Pn	18 30 09.6 -1.0
SEM	Semipalatinsk	15.93 346 LR	LR	18 35 43.1
KURBB	Kurchatov Arra	16.53 342 Pn	Pn	18 30 18.8 -1.9
KURBB	baz=345		Pn	18 30 18.8 -1.9
KURK	Kurchatov	16.59 342 P	Pn	18 30 19.4 -2.2
KURK	Kurchatov	16.59 342 P	Pn	18 30 21.2 -0.3
KMI	Kunming	17.27 121 P	Pn	18 30 29.1 -1.4
KMI	comp=Z,3.9nm,0.8s		Pn	18 33 41.9 -0.8
KMI	comp=Z,28nm,1.2s		Pn	18 30 19.4 -2.2
KMI	comp=Z,150nm,4.2s		Pn	18 30 21.2 -0.3
KMI	comp=Z,360nm,9.6s		Pn	18 30 29.1 -1.4
KMI	comp=Z,690nm,11.1s		Pn	18 33 41.9 -0.8
KMI	comp=Z,890nm,12.4s		Pn	18 30 19.4 -2.2
BRZS	Berezinski	17.93 330 eP	P	18 30 38.6 -0.3
BRZS	Zalesovo Array	18.87 357 P	P	18 30 38.6 -0.3
XAN	Xi'an	18.57 87 P	Pn	18 30 45.1 -1.1
XAN	comp=Z,19nm,1.1s		Pn	18 31 06.8 +8.7
XAN	comp=Z,380nm,6.9s		Pn	18 34 12.9 -1.2
XAN	comp=Z,1um,14.1s		Pn	18 30 45.1 -1.1
XAN	comp=Z,430nm,11.3s		Pn	18 31 06.8 +8.7
XAN	comp=Z,930nm,8.7s		Pn	18 30 45.1 -1.1
ZAAO	Zalesovo Beam	18.87 357 P	P	18 30 47.3 -1.9
ZALV	Zalesovo Beam	18.87 357 P	P	18 30 46.5 -2.7
ZALV	comp=Z,1.1nm,0.9s		P	18 30 48.0 -1.2
ZALV	comp=Z,1.1nm,0.9s		P	18 30 48.0 -1.2
ZALV	comp=Z,0.3nm,0.3s, baz=178, slow=11, SNR=21		P	18 38 38.7
ZALV	comp=Z,521nm,21.5s, baz=186, slow=39		P	18 38 38.7
CRAI	Chiangrai	19.28 137 P	P	18 30 53.8 -0.2
GYA	Guiyang	19.40 111 P	Pn	18 30 56.6 +0.1
GYA	comp=Z,32nm,1.2s		Pn	18 30 53.8 -0.2
GYA	comp=Z,340nm,4.2s		Pn	18 30 56.6 +0.1
GYA	comp=Z,430nm,5.9s		Pn	18 30 53.8 -0.2
GYA	comp=Z,550nm,11.0s		Pn	18 30 56.6 +0.1
GYA	comp=Z,850nm,10.1s		Pn	18 30 53.8 -0.2
BTO	Baotou	19.42 67 eP	P	18 30 54.8 -0.6
BTO	comp=Z,4um,15.4s		P	18 30 54.8 -0.6
BTO	comp=Z,11nm,0.9s		P	18 30 58.5 -1.2
BTO	comp=Z,12nm,0.5s		P	18 31 01.8 +0.2
BTO	comp=Z,790nm,4.8s		P	18 31 11.9 +2.3
BTO	comp=Z,4um,18.1s		P	18 34 36.8 +1.8
BTO	comp=Z,2um,16.5s		P	18 34 54.9 +6.5
BTO	comp=Z,4um,15.4s		P	18 30 54.8 -0.6
SONM	Songino Array	19.58 43 P	P	18 30 55.8 -1.4
SONM	Songino Array	19.58 43 P	P	18 30 56.7 -0.5
ZAK	Zakamensk	19.59 34 eP	P	18 30 56.9 -0.4
ZAK	comp=Z,8.0nm,1.4s		P	18 30 56.9 -0.4
CHTO	Chiang Mai	19.68 142 P	P	18 30 58.2 -0.1
CHTO	Chiang Mai	19.68 142 P	P	18 30 58.2 -0.1
CHTO	comp=Z,9.0nm,1.1s		P	18 30 58.2 -0.1
HRA	Herat	19.86 275 P	P	18 31 00.5 +0.1
ULN	Ulaanbaatar	19.97 44 P	P	18 31 00.9 +2.1
ULN	Ulaanbaatar	19.97 44 P	P	18 31 02.1 +0.7
CM31	Chiang Mai Arr	19.98 143 P	P	18 31 01.9 +0.3
CMAR	Chiang Mai Arr	19.98 143 P	P	18 31 02.1 +0.5
CMAR	Chiang Mai Arr	19.98 143 P	Pn	18 31 02.9 -0.4
CMAR	comp=Z,4.0nm,0.6s		Pn	18 31 01.8 +0.1
CMAR	comp=Z,0.3nm,0.3s, baz=324, slow=9.6, SNR=24		LR	18 39 57.8
ENH	Enshi	20.00 97 P	P	18 31 02.0 +0.1
SLVN	Son La	20.60 127 P	P	18 31 09.3 +0.9
SLVN	comp=Z,79nm,1.5s		P	18 31 11.5
HHC	Hu-ho-hao-te	20.61 66 eP	P	18 31 09.3 +0.8
HHC	comp=Z,29nm,1.7s		P	18 31 11.5
HHC	comp=Z,37nm,0.6s		P	18 31 09.3 +0.8
HHC	comp=Z,170nm,3.8s		P	18 31 11.5
HHC	comp=Z,880nm,13.1s		P	18 31 09.3 +0.8
HHC	comp=Z,2um,16.3s		P	18 31 11.5
HHC	comp=Z,3um,15.9s		P	18 31 09.3 +0.8
BVAR	Borovoye Array	21.20 333 P	P	18 31 16.2 +1.6
BVAR	comp=Z,13nm,0.7s, baz=136, slow=11, SNR=60		LR	18 40 19.2
BRVK	Borovoye	21.27 332 P	P	18 31 16.2 +0.9
BRVK	comp=Z,62nm,1.2s		P	18 31 20.0
BRVK	comp=Z,65nm,1.3s		P	18 31 16.0 +0.7
LYN	LuoYang	21.39 84 P	P	18 31 16.3 -0.5
LYN	comp=Z,289nm,19.1s, baz=136, slow=39		P	18 31 16.2 +0.9
LYN	comp=Z,13nm,0.7s		P	18 31 20.0
LYN	comp=Z,410nm,4.0s		P	18 31 16.0 +0.7
LYN	comp=Z,1um,8.1s		P	18 31 16.3 -0.5
LYN	comp=Z,600nm,6.9s		P	18 31 16.3 -0.5
LYN	comp=Z,670nm,7.7s		P	18 31 16.3 -0.5

GEYT	Alibeck	22.87 285 P	P	18 31 35.4 +2.8
GEYT	comp=Z,21nm,1.1s		Iamb	18 31 38.5
GEYT	Alibeck	22.87 285 P	P	18 31 35.4 +2.8
GEYT	comp=Z,21nm,1.1s		Pmax	18 31 35.4 +2.8
GEYT	Alibeck	22.87 285 P	P	18 31 34.8 +2.1
GEYT	comp=Z,10nm,0.9s, baz=97, slow=11, SNR=20		LR	18 42 10.9
GYAO	ALIBECK ARRAY	22.87 285 P	P	18 31 34.3 +1.7
GYAO	comp=Z,18nm,1.0s		Pmax	18

20d 18h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like MMRI, PSAGO, MBWA, etc.

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Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like PKM, PMPB, YSS, etc.

1502

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like DSP, QSM, L04D, etc.

1503

O20K	Slope Mountain baz=202	76.73	11	P	P	19 02 59.2 +0.4
BRSE	Brandy Lake S baz=202	76.79	12	P	P	19 02 59.7 +0.7
PYAG	PYAG comp=Z,69nm,2.6s	76.84	31	P	AmB	19 02 59.6 -0.1
PYAG	comp=Z,2um,17.3s				AMS	
HOOD	Mound Hood Mea comp=Z,88nm,1.1s	76.85	36	IAMB	IAMB	19 03 15.1
CBJI	Citeko baz=194	76.88	267	P	P	19 03 07.2 +6.7
L15K	Ungalak Mouna baz=194	76.92	7	P	P	19 03 00.4 +0.7
WVOR	Wild Horse Val comp=Z,80nm,1.3s	76.94	39	IAMB	IAMB	19 03 14.3
WVOR	comp=Z,5um,21.0s				IAMS_20	19 29 31.1
WVOR	Wild Horse Val Holberg	76.94	39	P	P	19 03 01.4 +0.9
HOLB	Holberg	76.96	29	IAMB	IAMB	19 03 13.5
N19K	Bonanza Creek baz=202	77.08	10	P	P	19 03 01.5 +0.7
SVW2	Sparrevohn	77.17	10	P	P	19 03 03.4 +2.3
M17K	Holitna River	77.17	9	P	P	19 03 02.4 +1.2
M17K	Holitna River baz=194	77.17	9	P	P	19 03 02.9 +1.8
L16K	Owhat River	77.19	8	P	IAMB	19 03 02.2 +1.0
L16K	Owhat River baz=194	77.19	8	P	IAMB	19 03 12.7
L16K	Owhat River	77.19	8	P	P	19 03 03.4 +2.2
TUC	Tucson	77.25	51	P	IAMB	19 03 02.6 +0.3
TUC	comp=Z,118nm,1.4s				IAMB	19 03 18.4
TUC	Tucson	77.25	51	P	P	19 03 03.6 +1.3
TUC	comp=Z,243				P	19 03 02.6 +0.3
TUC	comp=Z,118nm,1.4s				pmax	
I07A	izee	77.36	38	IAMB	IAMB	19 03 11.2
SEW	Seward baz=205	77.40	13	P	P	19 03 03.2 +0.9
M18K	Stony River baz=199	77.50	9	P	P	19 03 04.0 +1.0
Q23K	Middleton Isla baz=208	77.50	15	P	P	19 03 04.7 +1.8
MDJ	Mudanjiang	77.51	323	P	P	19 03 03.1 -0.3
MDJ	comp=Z,29nm,2.5s				pP	19 03 04.8 -3.0
MDJ	comp=Z,670nm,4.9s				pP	19 03 11.5 +1.0
MDJ	comp=Z,4um,22.8s				PP	19 05 59.1 +0.6
MDJ	comp=Z,5um,22.2s				SS	19 12 59.3 +5.3
MDJ	comp=Z,9um,21.1s				pmax	
MDJ	Mudanjiang	77.51	323	IAMB	IAMB	19 03 15.1
MDJ	Mudanjiang	77.51	323	P	P	19 03 05.1 +1.7
K15K	Wolf Creek Mou	77.52	6	P	P	19 03 04.1 +1.0
K15K	Wolf Creek Mou baz=193	77.52	6	P	P	19 03 04.0 +0.9
J08A	Circle Bar Ran comp=Z,95nm,1.3s	77.56	39	IAMB	IAMB	19 03 17.7
Q12A	Willow Creek R comp=Z,151nm,1.9s	77.57	44	IAMB	IAMB	19 03 13.6
GNW	Green Mountain	77.58	33	IAMB	IAMB	19 03 04.3 +0.6
GNW	comp=Z,64nm,1.2s				IAMB	19 03 12.1
CLRS	Cowichan Lake comp=Z,99nm,1.3s	77.70	32	IAMB	IAMB	19 03 13.2
L16A	Lo Mia Camp, P comp=Z,66nm,1.0s	77.71	49	IAMB	IAMB	19 03 08.4
L17K	Donlin baz=197	77.75	8	P	P	19 03 05.5 +1.1
J14K	Nanvaranak Lak baz=191	77.76	5	P	P	19 03 05.9 +1.6
GRNR	Gornyy	77.76	331	IAMB	IAMB	19 03 04.6 -0.1
GRNR	comp=Z,3.0nm,0.9s				pmax	
GRNR	comp=Z,10.0nm,1.2s				pmax	
D05A	Enumclaw	77.80	34	P	P	19 03 05.4 +0.5
N20K	Mount Spurr baz=203	77.85	11	P	P	19 03 06.2 +1.2
PGC	Sidney	77.94	32	P	IAMB	19 03 06.2 +0.6
PGC	comp=Z,63nm,1.0s				IAMB	19 03 13.8
CGJ1	Cibinong	77.95	266	P	P	19 03 13.1 +6.6
319A	Douglas	77.99	53	IAMB	IAMB	19 03 19.3
BBB	Bella Bella comp=Z,72nm,1.0s	78.04	27	LR	LR	19 29 14.7
U15A	North Rim comp=Z,89nm,1.5s	78.04	47	IAMB	IAMB	19 03 13.2
L18K	Granite Mounta baz=198	78.06	9	P	IAMB	19 03 06.8 +0.7
L18K	Granite Mounta baz=198	78.06	9	P	IAMS_20	19 30 06.0
M19K	Phinny Lodg baz=200	78.12	10	P	P	19 03 07.2 +1.1
F07A	Blinny Hill Vi	78.17	36	P	P	19 03 05.5 -1.5
ELK	Elko	78.18	42	P	P	19 03 08.0 +0.5
ELK	Elko	78.18	42	LR	LR	19 32 17.9
RC01	Rabbit Creek A baz=205	78.23	12	P	P	19 03 07.1 0.0
RC01	Rabbit Creek A baz=205	78.23	12	P	P	19 03 07.6 +0.6
WUAZ	Wupatki comp=Z,58nm,1.1s	78.27	48	IAMB	IAMB	19 03 10.8
WUAZ	comp=Z,4um,22.0s				IAMS_20	19 29 08.4
WUAZ	Wupatki baz=242,SNR=30	78.27	48	P	P	19 03 08.8 +0.7
L19K	White Mountain baz=200	78.31	10	P	P	19 03 08.5 +1.0
K17K	Iditarod	78.31	8	P	P	19 03 08.7 +1.2
K17K	Iditarod	78.31	8	P	IAMB	19 03 17.8
K17K	Iditarod baz=196	78.31	8	P	P	19 03 08.0 +0.5
M20K	Styx River	78.31	10	P	P	19 03 08.2 +0.6
PWL	Port Wells	78.32	13	P	IAMB	19 03 06.0 -1.6
PWL	comp=Z,75nm,1.1s				IAMB	19 03 17.1
PWL	Port Wells	78.32	13	P	P	19 03 08.9 +1.4
G08A	Pilot Rock	78.37	37	P	IAMB	19 03 08.9 +0.6
G08A	comp=Z,86nm,1.3s				IAMB	19 03 22.0
GRNB	Greenville Isla comp=Z,63nm,1.3s	78.42	25	IAMB	IAMB	19 03 16.5
KAIM	Kayak Island baz=210	78.42	15	P	P	19 03 07.5 -0.6
NJ2	Nanjiang	78.46	308	eP	eP	19 03 11.0 +2.0
NJ2	Nanjiang	78.46	308	sP	sP	19 03 14.3 -0.8
NJ2	Nanjiang	78.46	308	pP	pP	19 03 17.1 -1.0
NJ2	Nanjiang	78.46	308	pP	pP	19 03 19.4 -3.5
NJ2	Nanjiang	78.46	308	sS	sS	19 13 09.6 +4.8
NJ2	Nanjiang	78.46	308	sS	sS	19 13 13.3 +1.2
NJ2	Nanjiang	78.46	308	SS	SS	19 18 11.8 +3.3
NJ2	comp=Z,18nm,0.9s				pmax	
NJ2	comp=Z,480nm,4.4s				pmax	
NJ2	comp=Z,2um,22.7s				LR	
NJ2	comp=Z,3um,22.7s				LR	
NJ2	comp=Z,4um,20.8s				LR	
HKPS	Hong Kong Po S comp=Z,3um,20.8s	78.47	297	IAMS_20	IAMS_20	19 33 46.6
J16K	Anvik River comp=Z,70nm,0.9s	78.58	7	IAMB	IAMB	19 03 19.2

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J16K	Anvik River baz=194	78.58	7	P	P	19 03 09.5 +0.6
E07A	Sunnyside	78.59	35	IAMB	IAMB	19 03 19.3
GLI	Glacier Island comp=Z,49nm,0.9s	78.61	14	IAMS_20	IAMS_20	19 30 48.6
GLI	Glacier Island comp=Z,4um,21.0s	78.61	14	P	P	19 03 09.9 +0.7
FID	Port Fidalgo comp=Z,5um,21.0s	78.64	14	IAMS_20	IAMS_20	19 30 26.1
HAWA	Hanford	78.68	36	P	P	19 03 10.6 +0.8
HAWA	comp=Z,49nm,1.0s				IAMB	19 03 18.1
SKT	Skwentna comp=Z,92nm,1.6s	78.69	11	IAMB	IAMB	19 03 17.7
SKT	Skwentna	78.69	11	P	P	19 03 09.7 +0.1
L20K	Farewell, AK baz=201	78.75	10	P	P	19 03 10.0 +0.1
M22K	Willow comp=Z,4um,21.0s	78.76	12	IAMS_20	IAMS_20	19 30 38.4
SIT	Sitka	78.78	21	P	P	19 03 09.4 -0.6
KNK	Knik Glacier baz=206	78.79	13	P	P	19 03 10.6 +0.4
PMR	Palmer	78.81	12	P	P	19 03 10.0 -0.2
PMR	comp=Z,58nm,1.1s				IAMB	19 03 19.8
PMR	Palmer	78.81	12	P	P	19 03 10.0 -0.2
PMR	Palmer	78.81	12	P	P	19 03 11.3 +1.1
PMR	Palmer	78.81	12	P	P	19 03 10.0 -0.2
V35K	Ketchikan comp=Z,58nm,1.1s	78.83	24	IAMS_20	IAMS_20	19 29 38.4
V35K	Ketchikan comp=Z,4um,21.0s	78.83	24	P	P	19 03 10.6 +0.2
TTA	Tatalina	78.84	9	P	P	19 03 11.9 +1.5
TTA	Tatalina	78.84	9	P	P	19 03 11.1 +0.7
U33K	Whale Pass baz=199	78.84	22	IAMS_20	IAMS_20	19 29 37.8
U33K	Whale Pass comp=Z,6um,22.0s	78.84	22	P	P	19 03 11.3 +0.9
X18A	Snowflake comp=Z,56nm,1.1s	78.86	50	IAMB	IAMB	19 03 20.2
E08A	Dider Farm, EI comp=Z,91nm,1.3s	79.00	36	IAMB	IAMB	19 03 25.2
BERG	Berg Lake comp=Z,91nm,1.3s	79.00	15	IAMS_20	IAMS_20	19 30 54.0
GHO	Whale Pass comp=Z,91nm,1.3s	79.02	12	P	P	19 03 12.0 +0.5
GHO	Glyke Ore Cre	79.02	12	IAMB	IAMB	19 03 18.8
KLR	Kul'dur	79.08	328	eP	eP	19 03 12.5 +0.5
KLR	comp=Z,62nm,1.5s				pmax	
KLR	Kul'dur	79.08	328	LR	LR	19 33 31.8
MVU	Marysvalle comp=Z,2um,21.4s	79.08	45	IAMB	IAMB	19 03 24.1
MSU	Marysvalle comp=Z,53nm,1.0s	79.11	45	P	P	19 03 13.3 +0.6
MSU	Marysvalle	79.11	45	P	P	19 03 13.3 +0.6
I17K	Unalakleet	79.16	6	IAMB	IAMB	19 03 12.5 +0.5
I17K	comp=Z,72nm,1.1s				IAMB	19 03 22.4
I17K	Unalakleet baz=194	79.16	6	P	P	19 03 12.6 +0.6
S31K	Pelican comp=Z,5um,20.0s	79.18	20	IAMS_20	IAMS_20	19 31 20.7
MFID	Camas Ranch	79.21	40	P	P	19 03 12.9 -0.1
MFID	comp=Z,4um,22.0s				IAMS_20	19 30 32.0
J18K	Innok River comp=Z,53nm,0.9s	79.25	8	IAMB	IAMB	19 03 22.5
J18K	Innok River baz=198	79.25	8	P	P	19 03 14.0 +1.4
WAX	Waxell Ridge comp=Z,53nm,0.9s	79.27	16	IAMS_20	IAMS_20	19 34 18.0
BMRM	Bremner River baz=210	79.28	15	P	P	19 03 13.1 +0.2
MESA	MESA	79.28	16	P	P	19 03 13.5 +0.5
W18A	Petted Fore baz=243	79.28	49	P	P	19 03 13.5 -0.2
CUT	Chulitna comp=Z,5um,21.0s	79.32	11	IAMS_20	IAMS_20	19 32 19.5
CUT	Chulitna comp=Z,5um,21.0s	79.32	11	P	P	19 03 14.1 +1.1
S32K	Killisinou baz=220	79.35	21	P	P	19 03 13.5 +0.3
D08A	Wollman Farm, D08A	79.41	35	P	IAMB	19 03 14.7 +0.8
SCM	Sheep Creek Mo comp=Z,88nm,1.1s	79.41	13	IAMB	IAMB	19 03 22.1
SCM	Sheep Creek Mo comp=Z,80nm,1.0s	79.41	13	P	P	19 03 22.6
SCM	Sheep Creek Mo baz=202	79.41	13	P	P	19 03 14.2 +0.6
BNX	BinXian	79.42	323	PP	PP	19 03 13.6 -0.3
BNX	comp=Z,19nm,1.0s				PP	19 06 12.9 -1.5
BNX	comp=Z,580nm,5.2s				S	19 13 17.9 +3.5
BNX	comp=Z,3um,22.0s				pmax	
BNX	comp=Z,3um,22.0s				pmax	
BNX	comp=Z,5um,22.0s				LR	
BNX	comp=Z,7um,19.5s				LR	
KLU	Klutina	79.42	14	P	P	19 03 14.6 +0.9
CRQM	Cirque comp=Z,76nm,0.9s	79.46	15	IAMB	IAMB	19 03 23.3
CRQM	comp=Z,					

20d 18h

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like Newport, Mesa Verde, and various 'MINTX' and 'M27K' series.

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Table with columns for station name, elevation, frequency, and other parameters. Includes stations like Melozitna River, Heihe, and various 'I23K', 'ALPN', and 'COLA' series.

1504

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like Noodor Dome, Bozeman (W), and various 'SMAI', 'H17A', and 'E19K' series.

1505

Table with columns: ID, Name, Az, El, Mode, Status, Time, etc. Includes entries like Miner Creek, Ozona, Idaho Springs, etc.

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Table with columns: ID, Name, Az, El, Mode, Status, Time, etc. Includes entries like Palmer Station, Meade River, XLT, etc.

20d 18h

Table with columns: ID, Name, Az, El, Mode, Status, Time, etc. Includes entries like HHC, GSI, YAK, etc.

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PZH	comp=Z,1um,21.9s	LR	LR		
PZH	comp=Z,1um,22.5s	LR	LR		
CMAR	Chiang Mai Arr	90.86 289 P	P	19 04 12.3 +0.4	
CMAR	comp=Z,4.7nm,0.8s,baz=91,slow=2.3,SNR=2.3	PKKPbc	PKKPbc	19 21 38.5 +1.4	
CMAR	comp=Z,0.5nm,0.9s,baz=309,slow=5.7,SNR=2.5	LR	LR	19 39 35.0	
CHTO	Chiang Mai	90.95 289 P	P	19 04 11.5 -0.8	
CHTO	Chiang Mai	90.95 289 IAMS_20	IAMS_20	19 39 04.4	
CHTO	Chiang Mai	90.95 289 P	P	19 04 12.9 +0.6	
CHTO	Chiang Mai	90.95 289 P	P	19 04 11.5 -0.8	
CHTO	comp=Z,28nm,1.3s	pmx	pmx		
CHTO	comp=Z,3um,22.0s	MLR	MLR		
PLCA	Paso Flores	91.16 133 P	P	19 04 14.9 +1.8	
PLCA	comp=Z,3.7nm,1.0s,baz=178,slow=6.0,SNR=2.2	LR	LR	19 36 29.6	
PLCA	comp=Z,4um,19.7s,baz=242,slow=30	LR	LR		
C36M	Paultuk	91.17 16 IAMS_20	IAMS_20	19 42 24.5	
C36M	Paultuk	91.17 16 P	P	19 04 12.6 +0.5	
U38A	Gravette	91.34 53 P	P	19 04 14.2 +0.4	
MDU	Madlock	91.35 41 P	P	19 04 12.6 -0.9	
TGHH	Tegucigalpa,Un	91.45 76 IAMS_20	IAMS_20	19 35 48.3	
LZH	Lanzhou	91.52 307 eP	P	19 04 15.1 +0.3	
LZH		sP	P	19 04 20.4 -0.6	
LZH		PP	PP	19 07 49.4 -3.7	
LZH		SKS	SKS	19 14 45.9 -1.3	
LZH		S	S	19 15 12.3 -2.1	
LZH	comp=Z,33nm,1.5s	pmx	pmx		
LZH	comp=Z,300nm,8.2s	LR	LR		
LZH	comp=Z,2um,18.5s	LR	LR		
LZH	comp=Z,2um,19.8s	LR	LR		
ECSD	EROS Data Cent	91.95 45 P	P	19 04 15.2 -1.2	
ECSD	EROS Data Cent	91.95 45 P	P	19 04 15.4 -1.0	
ECSD	EROS Data Cent	91.95 45 P	P	19 04 16.1 -0.4	
X40A	Basin Creek Fa	91.99 55 P	P	19 04 16.9 +0.1	
TEIG	Tejich	92.08 70 LR	LR	19 38 28.8	
FFC	Flin Flon	92.46 34 P	P	19 04 18.2 -0.3	
FFC	Flin Flon	92.46 34 IAMS_20	IAMS_20	19 40 03.2	
FFC	Flin Flon	92.46 34 P	P	19 04 18.2 -0.3	
FFC	comp=Z,36nm,1.3s	MLR	MLR		
U40A	University of	92.46 55 P	P	19 04 19.2 +0.2	
U40A	Yellville	92.50 53 P	P	19 04 19.6 +0.4	
U40A	bolivar	92.52 52 P	P	19 04 18.6 -0.6	
S39A	Bolivar	92.52 52 P	P	19 04 19.0 -0.2	
BOD	Bodaibo	92.53 330 eP	P	19 04 17.6 -1.1	
BOD	comp=Z,43nm,1.8s	pmx	pmx		
ELIB	Princess Elisa	92.64 186 dP	P	19 04 18.9 -0.4	
A36M	Sachs Harbour	92.64 14 P	P	19 04 18.4 -0.5	
A36M	Sachs Harbour	92.64 14 P	P	19 04 18.8 -0.1	
JTS	Las Juntas de	92.70 80 IAMS_20	IAMS_20	19 35 34.4	
JTS	Las Juntas de	92.70 80 LR	LR	19 36 26.3	
F33A	5 Mile Ranch	92.83 43 IAMB	IAMB	19 04 35.0	
ULN	Ulaanbaatar	92.86 319 P	P	19 04 20.4 -0.3	
ULN	comp=Z,30nm,1.2s	IAMB	IAMB	19 04 27.4	
ULN	Ulaanbaatar	92.86 319 eP	P	19 04 20.8 +0.1	
ULN	comp=Z,31nm,1.2s	pmx	pmx		
TNCH	TengChong	92.93 295 P	P	19 04 20.9 -0.7	
TNCH		PP	PP	19 08 02.9 +1.6	
TNCH		SKS	SKS	19 14 53.9 -1.7	
TNCH		SS	SS	19 21 24.8 -2.8	
TNCH		pmx	pmx	19 21 42.3 +0.4	
TNCH	comp=Z,28nm,1.8s	pmx	pmx		
TNCH	comp=Z,230nm,4.6s	LR	LR		
TNCH	comp=Z,500nm,16.3s	LR	LR		
TNCH	comp=Z,600nm,20.0s	LR	LR		
ARE1	Arenal 1	92.97 80 IAMS_20	IAMS_20	19 35 32.7	
MT01	Popeta	93.00 126 P	P	19 04 21.1 -0.6	
MGMO	Mountain Grove	93.18 53 IAMB	IAMB	19 04 37.4	
VBMS	Vicksburg	93.24 58 IAMS_20	IAMS_20	19 39 01.2	
SONM	Songino Array	93.27 319 P	P	19 04 21.9 -0.7	
HDC	Heredia	93.43 81 IAMS_20	IAMS_20	19 36 27.1	
TROLL	Troll, Antarti	93.45 179 P	P	19 04 24.3 +1.2	
R40R	La Luche 2	93.47 81 IAMS_20	IAMS_20	19 35 57.1	
LRC2	Maddies Statio	93.49 51 IAMB	IAMB	19 04 25.3	
R40A	Maddies Statio	93.49 51 P	P	19 04 23.8 +0.2	
SNA4	Sanae	93.64 178 IAMB	IAMB	19 04 33.4	
SNA4	comp=Z,31nm,1.3s	IAMS_20	IAMS_20	19 41 18.2	
SNA4	Sanae	93.64 178 P	P	19 04 24.8 +0.9	
SNA4	comp=Z,176nm,1.2s	pmx	pmx		
SNA4	Sanae	93.64 178 eP	P	19 04 25.2 +1.3	
SNA4	comp=Z,32nm,1.4s	pmx	pmx		
SNA4	Sanae	93.64 178 P	P	19 04 24.7 +0.8	
SNA4	comp=Z,16nm,1.3s,baz=218,slow=5.8,SNR=1.1	LR	LR	19 40 46.6	
VNA3	Neumayer Olymp	93.66 175 P	P	19 04 25.0 +1.1	
PEL	Peledue	93.69 125 IAMS_20	IAMS_20	19 36 04.0	
LCAR	Lake Charles	93.75 54 IAMB	IAMB	19 04 29.5	
LCAR	Lake Charles	93.75 54 P	P	19 04 25.0 +0.1	
AGMN	Agassiz Nation	93.86 41 IAMB	IAMB	19 04 28.9	
AGMN	comp=Z,2um,18.0s	IAMS_20	IAMS_20	19 45 04.9	
AGMN	Agassiz Nation	93.86 41 P	P	19 04 25.2 +0.1	
TIXI	Tiksi	93.93 345 P	P	19 04 25.1 +0.2	
TIXI	Tiksi	93.93 345 IAMS_20	IAMS_20	19 40 16.5	
TIXI	Tiksi	93.93 345 eP	P	19 04 27.1 +2.2	
TIXI	Tiksi	93.93 345 LR	LR	19 44 12.7	
P40A	Paris	93.99 50 IAMB	IAMB	19 04 26.7	

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424A	Van Buren	94.05 53 P	P	19 04 25.9 -0.3	
VNA2	Neumayer-Watz	94.13 176 P	P	19 04 26.0 0.0	
CCM	Cathedral Cave	94.20 52 P	P	19 04 26.3 -0.7	
CCM	Cathedral Cave	94.20 52 P	P	19 04 27.3 -0.2	
CCM	Cathedral Cave	94.20 52 P	P	19 04 26.5 -0.5	
CCM	Cathedral Cave	94.20 52 P	P	19 04 26.3 -0.7	
CCM	comp=Z,27nm,1.2s	pmx	pmx		
CCM	comp=Z,5um,20.0s	MLR	MLR		
ULM	Lac du Bonnet	94.45 39 IAMB	IAMB	19 04 40.1	
ULM	Lac du Bonnet	94.45 39 P	P	19 04 27.1 -0.6	
ULM	comp=Z,8.1nm,0.9s,baz=247,slow=4.3,SNR=6.0	LR	LR	19 41 12.5	
NVL	Nizharevskaya	94.58 182 eP	P	19 04 26.7 -1.4	
NVL		eSS	SS	19 14 59.4 -3.2	
NVL		eSS	SS	19 22 05.0 +3.4	
NVL	comp=Z,27nm,1.5s	smx	smx		
NVL	comp=E,88nm,13.8s	MLR	MLR		
ATAH	Atahualpa	94.63 99 LR	LR	19 36 40.2	
F36A	Milaca	94.68 44 IAMB	IAMB	19 04 37.5	
F36A	Milaca	94.68 44 P	P	19 04 29.4 +0.4	
OXF	Oxford	94.73 56 P	P	19 04 29.8 +0.4	
NNA	Nana	94.80 104 LR	LR	19 38 44.3	
FVM	French Village	94.81 52 P	P	19 04 30.4 +0.6	
SPMN	Marine on St.	95.00 45 IAMB	IAMB	19 04 39.4	
SPMN	Marine on St.	95.00 45 P	P	19 04 30.2 -0.2	
LCO	Las Campanas	95.09 122 IAMS_20	IAMS_20	19 36 45.0	
N41A	Harden Midland	95.18 49 P	P	19 04 32.0 +0.6	
B35A	Bob, Littlefor	95.25 41 IAMB	IAMB	19 04 35.2	
L40A	Anamos	95.27 48 IAMB	IAMB	19 04 33.6	
GTA	Gotai	95.49 309 eP	P	19 04 33.1 +0.1	
GTA		pP	pP	19 04 37.8 +0.2	
GTA		SKS	SKS	19 15 06.4 -2.4	
GTA		sS	sS	19 15 47.9 -1.4	
GTA		SS	SS	19 22 20.3 +2.5	
GTA	comp=Z,2.0nm,1.1s	LR	LR		
GTA	comp=Z,1um,22.9s	LR	LR		
GTA	comp=Z,4um,23.6s	LR	LR		
CHSH	Refugio Sur-Vo	95.64 93 IAMS_20	IAMS_20	19 40 58.0	
PLAL	Pickwick Lake	95.91 56 IAMB	IAMB	19 04 42.2	
ZAK	Zakamensk	95.97 320 eP	P	19 04 33.7 -1.2	
I40A	Norwalk	96.16 46 IAMB	IAMB	19 04 43.7	
CFA	Corral Fonten	96.17 125 LR	LR	19 39 59.1	
LRAL	Lakeview Retre	96.32 58 IAMS_20	IAMS_20	19 42 50.8	
EYMN	comp=Z,3um,22.0s	IAMS_20	IAMS_20	19 42 31.7	
MOKO	MOKOCHONG	96.74 295 ex	x	19 04 45.1	
IMP	Impah	96.91 294 ex	x	19 04 38.6	
KOHI	KOHIMA	96.97 295 ex	x	19 04 44.3	
SAIH	SAIHA	97.25 291 ex	x	19 04 46.8	
TULH	Tulcn-Chalpat	97.25 91 IAMS_20	IAMS_20	19 38 23.5	
GO02	Mina Guanaco	97.32 118 IAMS_20	IAMS_20	19 37 23.8	
HOIL	Hanson Quarry C	97.64 49 IAMS_20	IAMS_20	19 46 59.2	
WCI	Wyandotte Cave	98.03 53 IAMS_20	IAMS_20	19 40 59.8	
PB05	IPOC Station P	98.09 116 IAMS_20	IAMS_20	19 37 54.1	
PB07	IPOC Station P	98.22 115 IAMS_20	IAMS_20	19 37 41.6	
TRQA	Tornquist	98.32 133 IAMS_20	IAMS_20	19 40 28.7	
PB02	IPOC Station P	98.34 115 IAMS_20	IAMS_20	19 38 29.9	
BRDH	Baridhala	98.50 291 LR	LR	19 45 49.5	
LVC	Limon Verde	98.77 116 LR	LR	19 38 59.3	
LVC	Limon Verde	98.77 116 LR	LR	19 40 36.8	
AF01	San Pedro de A	99.29 117 IAMS_20	IAMS_20	19 38 26.0	
TKL	Tuckaleechee C	99.49 56 LR	LR	19 43 30.0	
CBCY	The Big Cay	99.76 72 IAMS_20	IAMS_20	19 42 44.2	
GLMI	Grayingl	100.56 46 IAMS_20	IAMS_20	19 43 33.3	
AAM	Ann Arbor	100.80 49 IAMS_20	IAMS_20	19 44 08.9	
ROSC	El Rosal	101.62 88 IAMS_20	IAMS_20	19 40 47.3	
NHSC	New Hope	101.94 59 IAMS_20	IAMS_20	19 48 01.7	
GTBY	Guantanamo Bay	104.09 73 IAMS_20	IAMS_20	19 45 30.1	
CNNC	Cliffs of the	104.15 57 IAMS_20	IAMS_20	19 46 33.0	
PALK	Pallekele	105.51 274 IAMS_20	IAMS_20	19 53 51.6	
ZSN	Zaisan	107.47 316 ePKiKP	PKiKP	19 09 33.8 -0.7	
ZALV	Zalesovo Beam	107.70 322 Pdif	Pdif	19 05 26.5 +0.5	
ZALV	comp=Z,0.5nm,0.6s,baz=128,slow=4.0,SNR=2.6	PKiKP	PKiKP	19 09 35.3 +0.5	
MKAR	Makanchi Arr	109.20 315 Pdif	Pdif	19 05 32.7 -1.3	
MKAR	comp=Z,0.4nm,0.6s,baz=79,slow=1.4,SNR=6.5	PKiKP	PKiKP	19 09 36.6 -1.2	
MKAR	comp=Z,2.2nm,0.8s,baz=79,slow=1.4,SNR=6.5	PKiKP	PKiKP	19 21 01.5 +0.1	
MKAR	comp=Z,1.5nm,1.0s,baz=281,slow=3.7,SNR=4.6	PKiKP	PKiKP	19 51 11.6	
SHLS	Shalkode	111.15 311 ePP	PP	19 10 17.1 -4.0	
UZB	Uzymbulak	111.47 311 ePP	PP	19 10 21.4 -2.1	
KURK	Kurchatov	111.57 319 IAMS_20	IAMS_20	19 54 10.6	
KURK	Kurchatov	111.57 319 I/PKIKP	PKIKP	19 09 42.7 +0.6	
KURBB	Kurchatov Arr	111.63 319 PKiKP	PKiKP	19 09 41.1 -1.1	
KURBB	comp=Z,1.1nm,0.8s,baz=66,slow=1.7,SNR=4.1	PKiKPbc	PKiKPbc	19 20 33.9 -3.9	
KPKS	Kokpey	111.72 311 ePP	PP	19 10 23.4 -1.8	
ZHN	Zhinshke	111.90 311 ePP	PP	19 10 24.8 -1.7	
SATY					

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1508

IDC 20 18:52:30.5:1.5, 0.56N, 124.21E, h0km, mb3.5/4, mbtm3.5/4, Error ellipse: s-maj=185.7km s-min=21.5km az=63.0, Minahasa Peninsula, Sulawesi

NOU 20 18:57:46.0:21.08S:168.95E, h0km, MLV4.5/8, Loyalty Islands

IDC 20 18:57:51.8:23.88S:166.52E, h32km, mltm4.2/15, ML4.3/1, MSS.4/2, Error ellipse: s-maj=21.3km s-min=17.9km az=135.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

NOU 20 18:57:48.7:0.7, 21.34S:168.68E, h0km, mb4.2/14, mltm4.2/15, ML4.3/1, MSS.4/2, Error ellipse: s-maj=21.3km s-min=17.9km az=135.0

NEIC 20 18:57:51.0:1.2, 21.31S:0.99168.74E:0.04, h10km, 1km, mb4.8/18, Error ellipse: s-maj=16.5km s-min=4.3km az=344.0

BGR 20 18:57:51.8:23.88S:166.52E, h32km, ISDC 20 18:57:53.3:0.5, 21.23S:0.70168.62E:0.07, h30km, n86, c0599/82, mb4.7/23, 4C-4D, Loyalty Islands

NOU 20 18:57:46.0:21.08S:168.95E, h0km, MLV4.5/8, Loyalty Islands

IDC 20 18:57:51.8:23.88S:166.52E, h32km, mltm4.2/15, ML4.3/1, MSS.4/2, Error ellipse: s-maj=21.3km s-min=17.9km az=135.0

NEIC 20 18:57:51.0:1.2, 21.31S:0.99168.74E:0.04, h10km, 1km, mb4.8/18, Error ellipse: s-maj=16.5km s-min=4.3km az=344.0

BGR 20 18:57:51.8:23.88S:166.52E, h32km, ISDC 20 18:57:53.3:0.5, 21.23S:0.70168.62E:0.07, h30km, n86, c0599/82, mb4.7/23, 4C-4D, Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC BRG Berggiesshubel, CLL Colim, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, ASAR Eielson Array, ILAR Eielson Array, etc.

NOU 20 20:04:44.2:32.81S:178.43W, h32km, mb4.5/10, South of Kermadec Islands

IDC 20 20:05:14.8:2.0, 34.29S:179.11E, h170km, 16km, mb4.1/7, mltm4.5/9, Error ellipse: s-maj=17.2km s-min=15.7km az=30.0

WEL 20 20:05:15.5:0.5, 34.5S:179.1E, h33km, M4.9/11, ML5.0/13, MLV4.9/11, Error ellipse: s-maj=0.0km s-min=0.0km az=110.5, confirmed

NEIC 20 20:05:16.2:1.3, 34.5S:0.1x179.2E:0.2, h174km, 10km, mb4.6/24, Error ellipse: s-maj=24.5km s-min=16.2km az=85.0

ISDC 20 20:05:19.0:0.5, 34.65S:0.05:178.95E:0.07, h200km, n154, c2811/140, mb4.5/20, 1C, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, ASAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: ASAR, Alice Springs, 40.53 273 P, P, 20 12 38.9 0.0, comp=Z,1.2nm,0.8s,baz=114,slow=7.5,SNR=124 S S, 20 18 36.0 +3.0

Table with columns: TA01, Diego Arcanea, 1.12 278 f/P, Pn, 20 10 59.1 -0.9, 20 11 16.7 +0.7, 20 11 17.9

Table with columns: AS31, Alice Springs, 30.32 166 P, P, 20 22 52.7 +0.5, 20 22 53.2 0.0

20d 20h

Table with columns: ID, Name, Az, El, Azimuth, Elevation, Date, Time, Res, ISC. Lists various stations like O16K, H17K, L17K, etc.

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Table with columns: ID, Name, Az, El, Azimuth, Elevation, Date, Time, Res, ISC. Lists various stations like CCB, WAT6, F24K, etc.

1510

Table with columns: ID, Name, Az, El, Azimuth, Elevation, Date, Time, Res, ISC. Lists stations like N32M, HFS, NB2, etc.

DJA 20:20:59.2:0.9,2'N:4:9'7E, h18km,9km, M3,8/8, ML3,8/8

NEIC 20:20:02.4:1.9,2'02N:0.05:97.4E:0.1, h57km,13km, mb4,0/9, Error ellipse: s-maj=16.4km s-min=7.5km az=95.0

ISC 20:21:00.4:0.7,2'07N:0.05:97.25E:0.09, h35km, m42, a137/36, mb4.0/13, Northern Sumatra

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Date, Time, Res, ISC. Lists stations like GSI, KCSI, RPSI, etc.

AFAD 20:20:53:02.8:0.0,36.98N:28.53E, h7km,3km, ML2,2

20d 23h

Table with columns: Code, Station Name, Az, Phase, I, S, Time, Res, ISC. Includes stations like La Plagne, Observatorio P, Yuzh-Kuril'sk, etc.

MOS 20 23:19:49.8:1.1, 47.26N:153.77E, h48km, mb4.9/70, Error ellipse: s-maj=6.3km s-min=4.4km az=82.7
SKHL 20 23:19:50.3:0.3, 47.20N:154.10E, h49km, mb5.3/2
NEIC 20 23:19:52.1:1.3, 47.38N:153.67E, h49km, mb4.9/32, Error ellipse: s-maj=13.5km s-min=8.8km az=134.0

Table with columns: Code, Station Name, Az, Phase, I, S, Time, Res, ISC. Includes stations like Severo-Kuril's, Kuril'sk, Shikotan, etc.

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Main table with columns: YUK, Yuzh-Kuril'sk, Misakicho, Nemuro-Hokkai, etc. Includes station codes, names, and various parameters.

1514

Table with columns: ZEA, Zeya, YAK, Yakutsk, etc. Includes station codes, names, and various parameters.

1519

BATI	comp=Z,11nm,0.4s,baz=300,slow=21,SNR=1.4	S	S	23 52 46.2 +2.7
BATI	comp=Z,5µm,19.5s,baz=300,slow=41	LR	LR	00 01 35.4
BHPL	comp=Z,24nm,0.7s	eP	P	23 47 57.8 +3.2
BHPL	comp=Z,29nm,1.1s	IAMB	IAMB	23 47 59.5
DAV	Davao City (W)	29.03 78	P	23 47 56.0 +0.4
DAV	Davao City (W)	29.03 78	P	23 47 54.6 -1.0
DAV	comp=Z,122nm,0.4s,baz=252,slow=6.4,SNR=6.8	LR	LR	00 01 38.8
SOEI	comp=Z,1µm,18.3s,baz=207,slow=41	P	P	23 47 54.5 -3.4
SOEI	Soe	29.28 113	IAMB	23 48 05.5
SOEI	Soe	29.28 113	P	23 47 55.7 -2.2
CD2	Chengdu	30.10 12	P	23 48 04.3 -0.6
CD2			P	23 49 08.5 -4.7
CD2			S	23 53 04.4 +2.1
CD2	comp=Z,50nm,1.1s		pmx	pmx
CD2	comp=Z,380nm,5.4s		LR	LR
CD2	comp=Z,3µm,16.2s		LR	LR
CD2	comp=Z,5µm,14.7s		LR	LR
CD2	comp=Z,8µm,15.3s		LR	LR
LBMI	Labuha	30.54 94	P	23 48 13.8 +4.8
CNSH	ChangSha	30.73 28	P	23 48 11.8 +1.4
CNSH			S	23 53 16.3 +4.3
CNSH	comp=Z,6µm,15.2s		LR	LR
CNSH	comp=Z,4µm,15.2s		LR	LR
CNSH	comp=Z,9µm,15.4s		LR	LR
KNMB	Chin-men Tao	30.91 40	P	23 48 08.0 -4.1
KNMB			IAMB	23 48 49.5
ENH	comp=Z,56nm,0.9s		P	23 48 12.7 -1.2
ENH	Enshi	31.12 21	P	23 48 12.9 -1.0
OZH	Quanzhou	31.38 40	P	23 48 19.3 +3.1
OZH			S	23 53 30.5 +8.2
OZH	comp=Z,5µm,15.5s		LR	LR
OZH	comp=Z,5µm,13.1s		LR	LR
MBWA	Marble Bar	31.51 136	P	23 48 17.7 +0.2
TPUB	Ta-pu	31.64 45	P	23 48 17.8 -0.8
TPUB	Ta-pu	31.64 45	P	23 48 19.9 +1.3
TWG	Pinlang	31.65 46	P	23 48 22.7 -1.5
PSA00	Pilbara Seismi	31.87 137	P	23 48 19.9 -0.7
PSA00			IAMB	23 48 46.6
PSA00	comp=Z,56nm,1.4s		P	23 48 21.2 +0.6
PSA00	Pilbara Seismi	31.87 137	P	23 48 30.9
PSA00	comp=Z,36nm,1.4s		P	23 48 24.0 +3.4
YULB	Yu-li	32.17 45	P	23 48 22.2 -1.1
YULB	Yu-li	32.17 45	P	23 48 23.9 +0.6
SSLB	Suanglung	32.18 44	IAMB	23 48 21.8 -1.5
SSLB			IAMB	23 48 28.0
SSLB	comp=Z,76nm,1.1s		P	23 48 23.2 -0.2
LGTI	Lohaghat	32.20 332	eP	23 48 25.5 +2.0
PTH	Pithoragarh	32.30 332	eP	23 48 26.4 +1.8
NACB	Ninganchiao	32.88 44	P	23 48 28.0 -1.4
NACB			IAMB	23 49 32.9
AJM	Ajmer	32.99 321	eP	23 48 33.4 +3.0
AJM			ex	23 48 35.4
AJM	comp=Z,46nm,1.1s		IAMB	23 48 35.4
KUDL	Kundal	33.11 325	eP	23 48 33.1 +1.7
WHN	Wuhan	33.38 28	P	23 48 33.4 -0.3
WHN			S	23 53 57.9 +4.6
WHN	comp=Z,10µm,14.0s		LR	LR
WHN	comp=Z,10µm,12.9s		LR	LR
FITZ	comp=Z,19µm,14.2s		P	23 48 40.1 -0.5
FITZ	Fitzroy Crossi	34.15 126	P	23 48 40.1 -0.5
FITZ	baz=34,SNR=6.1			
XAN	Xi'an	34.39 18	P	23 48 41.3 -1.2
XAN			pP	23 48 47.3 -2.5
XAN			sP	23 48 48.8 -4.0
XAN			S	23 54 08.4 -0.6
XAN	comp=Z,220nm,1.2s		pmx	pmx
XAN	comp=Z,530nm,3.6s		LR	LR
XAN	comp=Z,11µm,13.7s		LR	LR
XAN	comp=Z,5µm,14.3s		LR	LR
XAN	comp=Z,16µm,14.9s		LR	LR
GOMU	GeErMu	34.75 357	P	23 48 46.3 +0.3
GOMU			pP	23 48 52.3 -1.1
GOMU			sP	23 48 58.4 +2.0
GOMU			PP	23 50 08.3 +3.3
GOMU			S	23 54 14.8 -0.4
GOMU	comp=Z,22nm,0.9s		LR	LR
GOMU	comp=Z,1µm,14.5s		LR	LR
GOMU	comp=Z,1µm,14.4s		LR	LR
GOMU	comp=Z,980nm,14.2s		LR	LR
SMLA	Simla	35.09 330	eP	23 48 49.6 +1.1
LZH	Lanzhou	35.15 10	P	23 48 49.3 +0.1
LZH			sP	23 48 56.0 -0.6
LZH			PP	23 50 13.4 +4.1
LZH			S	23 54 18.1 -2.9
LZH			sS	23 54 30.3 +0.9
LZH	comp=Z,74nm,1.0s		pmx	pmx
LZH	comp=Z,550nm,4.9s		LR	LR
LZH	comp=Z,6µm,18.6s		LR	LR
LZH	comp=Z,7µm,17.7s		LR	LR
LZH	comp=Z,7µm,18.6s		LR	LR
KNRA	Kununnurra	35.63 120	P	23 48 54.2 +0.8
KNRA	Kununnurra	35.63 120	P	23 48 51.4 -2.0
KNRA			IAMB	23 48 54.6
LYN	LuoYang	36.05 22	P	23 48 57.0 +0.2
LYN			PP	23 50 21.3 +2.2
LYN			S	23 54 34.1 -0.5
LYN	comp=Z,210nm,1.1s		pmx	pmx
LYN	comp=Z,480nm,4.2s		LR	LR
LYN	comp=Z,6µm,15.0s		LR	LR
LYN	comp=Z,5µm,15.7s		LR	LR
LYN	comp=Z,5µm,14.1s		LR	LR
DHRM	DHARAMISHALA	36.43 330	eP	23 49 01.7 +1.4
MTN	Mannton Dam	36.66 114	P	23 49 01.5 -0.7
MTN	Mannton Dam	36.66 114	P	23 49 03.5 +1.3
MTN	comp=Z,26nm,1.4s		P	23 49 05.3 +1.8
NJ2	Nanjing	36.84 32	eP	23 49 05.3 +1.8
NJ2			pmx	pmx
THN	Thein Dam	36.87 329	eP	23 49 05.2 +1.4
SSE	Sheshan	37.40 35	S	23 49 07.3 -1.0
SSE			S	23 54 55.3 +0.1
SSE	comp=Z,16nm,0.7s		pmx	pmx
SSE	comp=Z,150nm,4.5s		pmx	pmx
SSE	comp=Z,1µm,24.7s		LR	LR

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SSE	comp=Z,1µm,16.4s	LR	LR	
KDU	comp=Z,1µm,15.4s	LR	LR	37.84 113
KDU	Kakadu	37.84 113	P	23 49 11.3 -0.9
GTA	comp=Z,38,SNR=9.9	eP	P	23 49 13.4 +0.1
GTA	Gaotai	37.98 4	sP	23 49 21.4 +0.7
GTA			PP	23 50 42.4 +0.6
GTA			S	23 55 02.3 -1.8
GTA			sS	23 55 12.5 +0.1
GTA			SS	23 57 39.8 -7.4
GTA			pmx	pmx
GTA	comp=Z,27nm,1.3s		pmx	pmx
GTA	comp=Z,530nm,6.9s		LR	LR
GTA	comp=Z,3µm,13.4s		LR	LR
GTA	comp=Z,2µm,13.8s		LR	LR
GTA	comp=Z,3µm,13.4s		LR	LR
TIY	Taiyuan	38.88 20	eP	23 49 21.5 +0.7
TIY			PP	23 50 51.8 -0.8
TIY			S	23 55 24.8 +7.2
TIY	comp=Z,340nm,5.2s		LR	LR
TIY	comp=Z,8µm,14.5s		LR	LR
TIY	comp=Z,5µm,14.3s		LR	LR
TIY	comp=Z,9µm,14.8s		LR	LR
NIL	Nilore	39.11 328	P	23 49 22.3 -0.5
NIL			IAMB	23 49 29.9
NIL	comp=Z,47nm,0.8s		P	23 49 22.3 -0.5
NIL	Nilore	39.11 328	P	23 49 22.3 -0.5
NIL			pmx	pmx
NIL	comp=Z,47nm,0.8s		P	23 49 23.2 -1.0
NIL	Kunigami	39.27 47	P	23 49 24.6 +0.4
NIL	Kunigami	39.27 47	P	23 49 24.1 -0.9
NIL	Tai'an	39.38 26	S	23 55 21.6 -3.5
NIL	TIA		pmx	pmx
NIL	TIA		pmx	pmx
NIL	comp=Z,13nm,0.9s		LR	LR
NIL	comp=Z,4µm,15.1s		LR	LR
NIL	TIA		LR	LR
NIL	comp=Z,3µm,14.4s		LR	LR
NIL	TIA		LR	LR
NIL	comp=Z,7µm,13.7s		P	23 49 25.4 +0.2
NIL	Hongshan	39.41 22	P	23 49 31.0 -1.5
NIL			pP	23 51 03.4 +4.6
NIL			PP	23 55 27.6 +2.2
NIL			PnPN	
NIL			S	
NIL			pmx	pmx
NIL	comp=Z,44nm,1.2s		pmx	pmx
NIL	comp=Z,390nm,5.6s		LR	LR
NIL	comp=Z,1µm,13.0s		LR	LR
NIL	comp=Z,3µm,16.0s		LR	LR
NIL	comp=Z,2µm,16.1s		T	00 31 00.9
NIL	H01W3 Cape Leeuwin H	39.44 158	T	00 31 10.5
NIL	baz=334,slow=76,SNR=96			
NIL	H01W2 Cape Leeuwin H	39.45 158	T	00 31 27.9
NIL	baz=334,slow=76,SNR=89			
NIL	H01W1 Cape Leeuwin H	39.45 158	T	00 31 27.9
NIL	baz=334,slow=76,SNR=76			
NIL	WRKA Warakurna	40.06 133	P	23 49 31.7 +0.9
NIL	WRKA Warakurna	40.06 133	P	23 49 31.9 +1.1
NIL	KMBL Kambalda	40.19 146	P	23 49 34.7 +3.0
NIL	Baotou	40.83 15	eP	23 49 37.6 +0.6
NIL			PP	23 51 16.1 +0.5
NIL			S	23 55 07.1 +0.4
NIL			SS	23 58 46.0 -2.5
NIL			pmx	pmx
NIL	comp=Z,56nm,1.3s		pmx	pmx
NIL	comp=Z,1µm,6.2s		LR	LR
NIL	comp=Z,5µm,14.7s		LR	LR
NIL	comp=Z,10µm,14.2s		LR	LR
NIL	comp=Z,8µm,17.3s		LR	LR
NIL	Hu-ho-hao-te	41.48 17	P	23 49 43.3 +0.9
NIL			sP	23 49 51.3 +1.5
NIL			PP	23 51 24.4 +1.1
NIL			PnPN	23 55 59.0 +2.6
NIL			S	23 56 11.0 +2.5
NIL			sS	23 59 44.0 -0.4
NIL			pmx	pmx
NIL	comp=Z,78nm,1.1s		pmx	pmx
NIL	comp=Z,640nm,4.6s		LR	LR
NIL	comp=Z,12µm,14.9s		LR	LR
NIL	comp=Z,5µm,13.5s		LR	LR
NIL	comp=Z,13µm,15.5s		LR	LR
NIL	KBL Kabul	42.11 325	P	23 49 46.1 -1.7
NIL	KBL Kabul	42.11 325	P	23 49 46.1 -1.7
NIL			pmx	pmx
NIL	comp=Z,12nm,1.1s		P	23 49 48.0 -0.7
NIL	Warramunga Arr	42.22 122	P	23 49 48.4 -0.5
NIL	Warramunga Arr	42.25 122	P	23 49 48.5 +0.4
NIL	Warramunga Arr	42.25 122	P	23 49 48.5 +0.4
NIL	comp=Z,8.8nm,0.9s,baz=301,slow=9.2,SNR=42		ScP	23 55 33.9 +2.0
NIL	WRA		S	23 56 04.5 -3.8
NIL	comp=Z,0.3nm,0.7s,baz=300,slow=4.0,SNR=3.7		S	
NIL	comp=Z,2.7nm,1.2s,baz=297,slow=16,SNR=5.9		S	
NIL	Baijiatuu	42.26 22	P	23 49 48.8 +0.2
NIL	Baijiatuu	42.26 22	P	23 49 51.8
NIL	comp=Z,59nm,0.7s		P	23 49 49.8 +1.2
NIL	Baijiatuu	42.26 22	P	23 49 48.8 +0.2
NIL	Baijiatuu	42.26 22	P	23 49 48.8 +0.2
NIL	Baijiatuu	42.26 22	P	23 49 48.8 +0.2
NIL	comp=Z,59nm,0.7s		P	23 49 48.9 0.0
NIL	WRAB Tennant Creek	42.26 122	P	23 49 49.1 +0.2
NIL	WRAB Tennant Creek	42.26 122	P	23 49 48.6 -0.3
NIL	WRAB Tennant Creek	42.26 122	P	23 49 48.6 -0.3

21 2h

Table with 5 columns: STA, Reutte, Azimuth, PKIP, Azimuth. Rows include FETA, DAVA, ESCD.

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Rows include KGS1, IKRS, IKRK, IGHG, ILBA, IKCH, IKOM, IKFM.

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Rows include IDHR, IKGS1, ILIN, IGHG, SDFS, IKCH, IKRK, IKRK, IKRK, ILBA, IKOM, MAHB, IBDR, IKBF, QSDN, IMRD, GRMI.

IDC 21 02:26:39.6:0.9, 62.000S, 155.10E, h0km, mb4.2/8, mbmp4.2/8, MS4.0/20, Error ellipse: s-maj=40.4km s-min=17.1km az=86.0

NEIC 21 02:26:42.2:0.2, 62.299S, 0.09:155.3E:0.2, h10km, 1km, mb4.5/12, Error ellipse: s-maj=17.8km s-min=12.7km az=134.0

GCMT 21 02:26:44.2:0.3, 62.155S, 0.02:154.96E:0.05, h20km, 2km, MW5.0/82, Moment Tensor Solution. s20,c20; s82,c110; Duration: 0 Moment tensor: Scale 10^18Nm; M1=0.61±.22; M2=0.92±.17; M3=2.31±.14; M4=1.49±.33; M5=2.06±.15; M6=0.75±.35; Best double couple: M3,625000, 10^16 Np1=0.33, 0.0000°, 3.1, 0.0000°, 1.18, 0.0000°, NP2: 0.42, 0.0000°, 8.72, 0.0000°, 1.71, 0.0000°. Principal axes: T 4.2020, Plg19.0000°, Azm20.0000°; N -1.1560, Plg70.0000°, Azm0.0000°; P -3.0480, Plg6.0000°. Azm108.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 21 02:26:41.8:0.6, 62.245S, 0.07:155.2E:0.2, h10km, n53, s1566/31, mb4.3/11, MS4.0/20, AC, Balleny Islands region

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Rows include MCQ, VNSA, VNSA, VNSA, VNSA, DCZ, MLZ, MLZ, ODZ, ODZ, RPZ, RPZ, RTZ, URZ, QSPA, QSPA, QSPA, STKA, STKA, BBOO, BBOO, MAW, MAW, MAW, RAO, H01W1, H01W2, H01W3, NWA0, BELA, BELA, DZM, ASAR, ASAR, ASAR, ASAR, CTA, WRA, WRA.

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Table with 5 columns: STA, Name, Azimuth, PKIP, Azimuth. Rows include TROLL, SNAE, SNAE, SNAE, VNA3, VNA2, MSVF, NIUE, PMSA, HNR, BATI, PPT, KAPI, LEM, H03S1, H03S2, H03S3, H03S2, H03S3, PALK, CMAR, LPAZ, MKAR, AKAS, ESDC.

IDC 21 02:27:58.7:1.1, 8.82N, 126.46E, h0km, mb3.5/6, mbmp3.5/6, Error ellipse: s-maj=68.2km s-min=22.2km az=93.0

ISC 21 02:28:06.0:1.1, 8.82N, 0.2:126.4E:0.14, h54km, n6, c09/17/6, mb3.5/6, Mindanao

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Rows include WRA, ASAR, MKAR, KURBS, BVAR, ILAR.

ASIES 21 02:56:59.8, 23.63N, 120.71E, h14km, ML3.7, Mw3.3, Moment Tensor Solution. Moment tensor: Scale 10^21Nm; M1=0.55; M2=1.09; M3=0.55; M4=0.05; M5=0.09; M6=0.67; Fault plane solution: M1.16673x10^21 Np1: 0.57, 80000°, 8.60, 63000°, 1.44, 25000°. NP2: 0.308, 35000°, 8.59, 39000°, 1.34, 74000°. Principal axes: T Plg0.7590°, Azm182.8210°; N Plg45.0110°, Azm92.0610°; P Plg44.9790°, Azm273.5800°; TAP 21 02:56:59.8, 23.63N, 120.71E, h14km, ML3.7, B JMA 21 02:56:59.4:0.2, 23.7N:0.3:120.7E:0.7, h0km, TAIWAN REGION

ISC 21 02:56:59.9:0.8, 23.64N, 0.01:120.70E:0.01, h16km, 5km, n19, s0966/234, 36C-15D, Taiwan

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Rows include CHN5, CHN5, WHYI, WHYI, ALS, ALS, WDLH, WDLH, WJWS, WJWS, WJWS, WCKO, WCKO, WNT, WNT, WNT, SSSL, SSSL, CHY, CHY, CHY, WTK, WTK, CHN4, TYC, TYC, SMLT, SMLT, TPUB, TPUB, TPUB, WTP, WTP, WTP, WRL, WRL, WRL, TWK.

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Table with 5 columns: STA, Name, Azimuth, PKIP, Azimuth. Rows include TWK, WVDT, WVDT, WSF, WSF, WTCT, WTCT, WSL, WSL, SNST, SNST, SNST, WCHH, WCHH, WCS, WCS, WCS, STYH, STYH, ICHU, ICHU, CHN1, CHN1, CHN1, TCU, TCU, TCU, WUSB, WUSB, WUSB, ELDTW, ELDTW, ELDTW, CHN8, CHN8, OWD, OWD, OWD, SGST, SGST, SGST, EHY, EHY, EHY, YULB, YULB, YULB, CHGB, CHGB, CHGB, TWF1, TWF1, TWF1, SSHA, SSHA, SSHA, WARBT, WARBT, WARBT, EYUL, EYUL, EYUL, CHN3, CHN3, CHN3, SLGT, SLGT, SLGT, EGFH, EGFH, EGFH, EHD, EHD, EHD, HGSJ, HGSJ, HGSJ, WHP, WHP, WHP, SHHT, SHHT, SHHT, ESL, ESL, ESL, FULB, FULB, FULB, WDJ, WDJ, WDJ, WDJ, TWQ1, TWQ1, TWQ1, ECS, ECS, ECS, WHF, WHF, WHF, TAI, TAI, TAI, TDCB, TDCB, TDCB, TSCK, TSCK, TSCK, TWT, TWT, TWT, TWK, TWK, TWK, LXIB, LXIB, LXIB, LXIB, ECBN, ECBN, ECBN.

1529	SCST	Cishan	0.77	194	eP	Pn	02 57 15.7	-0.4
	SCST	baz=196			eS	Sn	02 57 27.9	+0.6
	NSY	baz=196	0.78	4	↑P	Pn	02 57 15.9	-0.4
	NSY	Sanyi			S	Sn	02 57 27.4	-0.3
	ETM	Tongmen	0.80	65	eP	Pb	02 57 15.7	+0.3
	ETM	baz=64			eS	Pb	02 57 26.1	+0.2
	CHKT	Chengkung	0.81	131	↓P	Pn	02 57 16.9	+0.2
	CHKT	baz=139			eS	Sn	02 57 28.7	+0.3
	LONT	Longtian	0.82	151	iP	Pb	02 57 16.2	+0.3
	LONT	baz=143			eS	Sb	02 57 27.6	+0.8
	TWMT	Shoushan	0.85	198	eP	Pn	02 57 17.3	+0.1
	TWMT	baz=186			eS	Sn	02 57 32.7	+3.4
	EDH	Donghe	0.86	140	↑eP	Pn	02 57 17.2	-0.2
	EDH	baz=148			eS	Sn	02 57 30.1	+0.5
	TWG	Pinlang	0.88	157	iP	Pg	02 57 17.1	+0.1
	TWG	baz=158			iS	Sn	02 57 29.4	-0.7
	TWGBT	Beinan	0.89	157	eP	Pg	02 57 17.1	0.0
	TWGBT	baz=158			S	Sn	02 57 29.9	-0.4
	HWA	Hwalien	0.90	67	eP	Pn	02 57 18.1	+0.3
	HWA	baz=66			S	Sn	02 57 30.9	+0.4
	NMLH	Miaoili	0.90	5	iP	Pn	02 57 18.0	0.0
	NMLH	baz=353			iS	Sn	02 57 30.6	-0.2
	ETLH	Xiulin Townshi	0.91	51	P	Pb	02 57 17.5	0.0
	ETLH	baz=43			eS	Sg	02 57 30.1	+0.4
	SGLT	Jiouru	0.93	192	eP	Pn	02 57 18.1	-0.1
	SGLT	baz=193			iS	Sn	02 57 30.8	-0.5
	TSMG	Majia	0.93	183	↓iP	Pg	02 57 17.9	+0.1
	TSMG	baz=185			S	Sn	02 57 30.8	-0.5
	TWD	Chiawan	0.93	61	P	Pg	02 57 18.1	+0.1
	TWD	baz=60			S	Sg	02 57 30.2	0.0
	SNJT	Kaohsiung City	0.94	201	eP	Pn	02 57 19.2	+0.8
	SNJT	baz=218			eS	Sn	02 57 33.8	+2.2
	TTN	Taitung	0.97	155	iP	Pn	02 57 19.7	+0.9
	TTN	baz=155			S	Sn	02 57 34.0	+1.8
	NACB	Ninganchiao	0.98	57	P	Pb	02 57 18.4	-0.1
	NACB	baz=55			S	Sg	02 57 31.5	-0.2
	ETL	Fush Village	0.99	58	eP	Pg	02 57 19.0	-0.1
	ETL	baz=57			eS	Sg	02 57 32.4	+0.3
	NNSB	Datong	1.01	38	P	Pb	02 57 19.0	-0.1
	NNSB	baz=44			S	Sb	02 57 31.4	-0.7
	NNS	Nan Shan	1.01	37	P	Pb	02 57 19.1	0.0
	NNS	baz=36			eS	Sb	02 57 31.4	-0.8
	MASBT	Mashbuluo	1.02	184	P	Pg	02 57 19.5	-0.2
	MASBT	baz=185			S	Sn	02 57 34.0	+0.4
	WDGT	Dungji	1.03	249	↑P	Pb	02 57 18.5	-0.8
	WDGT	baz=250			S	Sb	02 57 32.4	-0.2
	NSTT	Nanjuang	1.03	15	eP	S	02 57 19.5	+0.1
	NSTT	baz=14			S	Sg	02 57 33.6	+0.3
	PHUB	Peng-hu	1.04	264	P	Pb	02 57 18.4	-1.2
	PHUB	baz=264			S	Sb	02 57 32.6	-0.4
	LIOB	Emei	1.05	16	↑P	Pn	02 57 20.0	0.0
	LIOB	baz=15			eS	Sg	02 57 33.7	-0.2
	PNG	Penghu	1.05	267	P	Pb	02 57 18.8	-0.9
	PNG	baz=267			iS	Sb	02 57 32.6	-0.7
	ECL	Taimali	1.06	167	↑P	Pn	02 57 20.0	-0.1
	ECL	baz=158			eS	Sg	02 57 33.7	-0.5
	NFF	Wufeng Townshi	1.06	21	↑P	Pb	02 57 20.2	+0.2
	NFF	baz=20			S	Sg	02 57 34.2	-0.2
	WSSB	Gushan	1.07	202	eP	Pg	02 57 20.7	+0.1
	WSSB	baz=218			eS	Sn	02 57 36.0	+1.2
	LATG	Datong	1.17	40	↓P	Pn	02 57 21.8	0.0
	LATG	baz=39			S	Sb	02 57 36.9	0.0
	LDUT	Ludao	1.19	143	P	Pg	02 57 22.4	-0.5
	LDUT	baz=144			eS	Sg	02 57 38.8	+0.4
	NSK	Sanguang	1.20	30	↑P	Pb	02 57 22.3	+0.5
	NSK	baz=29			eS	Sg	02 57 39.2	+0.5
	YHNB	Yeheng	1.20	31	eP	Pn	02 57 22.1	-0.1
	YHNB	baz=19			eS	Sb	02 57 36.8	-0.9
	NDT	Datong Townshi	1.22	37	P	Pn	02 57 22.4	+0.2
	NDT	baz=27			eS	Sb	02 57 38.3	+0.2
	ENA	Nanau	1.23	50	eP	Pb	02 57 23.0	+0.1
	ENA	baz=49			eS	Sn	02 57 39.2	+0.3
	VCHM	Qimei	1.24	250	eP	Pn	02 57 21.6	-1.0
	VCHM	baz=251			S	Sb	02 57 38.1	-0.7
	EAST	Anshuo	1.25	174	eP	Pb	02 57 23.2	0.0
	EAST	baz=174			eS	Sg	02 57 40.8	+0.4
	SCZT	Fangliu	1.26	183	eP	Pb	02 57 23.1	-0.2
	SCZT	baz=185			eS	Sg	02 57 40.1	-0.5
	EWUT	Wuta	1.27	50	eP	Pb	02 57 23.7	+0.2
	EWUT	baz=49			iS	Sg	02 57 40.6	-0.4
	ENTT	Nioudou	1.27	38	eP	Pb	02 57 23.6	0.0
	ENTT	baz=29			eS	Sb	02 57 39.9	+0.1
	TAW	Tawu	1.28	172	eP	Pn	02 57 22.5	-0.7
	TAW	baz=166			eS	Sg	02 57 41.6	+0.2
	TAWH	Dawu Township	1.30	172	eP	Pb	02 57 24.1	+0.1
	TAWH	baz=173						

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TAWH	baz=173				eS	Sg	02 57 41.5	-0.4
NWLT	Wulai	1.35	33	eP	Pn	02 57 24.6	+0.4	
NWLT	baz=38				eS	Sb	02 57 42.4	+0.4
NDS	Dongshan	1.36	43	eP	Pb	02 57 25.0	0.0	
FUSB	Fushanzhiwuyua	1.38	36	eP	Pb	02 57 25.3	-0.2	
FUSB	baz=34				eS	Sb	02 57 43.6	+0.8
TWE	Neicheng	1.40	39	eP	Pg	02 57 26.5	-0.3	
TWE	baz=33				eS	Sg	02 57 45.0	+0.1
TWC	Suao	1.43	47	eP	Pg	02 57 26.8	-0.6	
TWC	baz=46				eS	Sb	02 57 44.8	+0.6
TIPB	Suanguxi	1.68	37	eP	Pn	02 57 29.6	+0.9	
TIPB	baz=22				eS	Pn	02 57 29.1	+0.4
TWK1	Hengchun	1.69	177	eP	Pn	02 57 29.0	+0.2	
TWK1	baz=87				eS	Pn	02 57 29.0	+0.2
YMO1	YMO1	1.70	28	eS	Sg	02 57 55.0	+0.2	
YMO1	baz=8.0				eS	Pn	02 57 29.2	0.0
ANP	Anpu	1.71	26	eP	Pn	02 57 30.8	-0.7	
NWF	Wu-fen Shan	1.74	34	eP	Pb	02 57 30.8	-0.7	
VWUC	VWUC	1.77	320	eP	Pn	02 57 28.5	-1.3	
VWUC	baz=320				eS	Sn	02 57 53.1	+1.0
LAY	Lan-yu	1.77	154	eP	Pn	02 57 30.1	+0.2	
LAY	baz=154				Pb	02 57 31.7	-0.8	
TWB1	Santiao Chiao	1.80	40	eP	Pb	02 57 33.7	-0.9	
TWB1	baz=23				Pg	02 57 29.7	-0.9	
SX11	Grass Mountain	1.81	36	eP	Pn	02 57 33.3	+0.1	
SX11	baz=22				Pn	02 57 36.1	+0.1	
LYUB	Lan-yu	1.82	153	eP	Pn	02 57 36.1	+0.1	
LYUB	baz=154				Pn	02 57 35.7	-1.1	
PTMZ	Houxiangcun	2.01	314	eP	Pn	02 57 43.0	-1.0	
PTMZ	baz=314				Pn	02 57 45.2	0.0	
KNM	Kimmen	2.21	291	eP	Pn	02 57 45.4	-1.4	
KNM	baz=290				Pn	02 57 46.0	-1.1	
KNMB	Chin-men Tao	2.27	292	eP	Pn	02 57 51.1	+3.1	
ZPLA	Ao Xicun	2.72	277	eP	Pn	02 57 50.0	-1.1	
ZPLA	baz=277				Pn	02 57 57.3	-2.1	
AXDP	Jialang	2.79	297	eP	Pn	02 57 43.0	-1.0	
AXDP	baz=297				Pn	02 57 45.4	-1.4	
MHZO	Yeshan	2.89	329	eP	Pn	02 57 46.0	-1.1	
MHZO	baz=328				Pn	02 57 51.1	+3.1	
DSXP	Dongshan	3.00	272	eP	Pn	02 57 50.0	-1.1	
DSXP	baz=272				Pn	02 57 57.3	-2.1	
LYJJ	Jianjiangzhen	3.02	344	eP	Pn	02 57 51.1	+3.1	
LYJJ	baz=343				Pn	02 57 57.3	-2.1	
JKRS	Kuro-shima	3.08	78	P	Pn	02 57 51.1	+3.1	
JKRS	baz=78				Pn	02 57 57.3	-2.1	
XPSS	Dashiqiu	3.31	352	eP	Pn	02 57 57.3	-2.1	
XPSS	baz=352				Pn	02 57 57.3	-2.1	
SXFK	Fanouchang	3.91	315	eP	Pn	02 57 57.3	-2.1	
SXFK	baz=314				Pn	02 57 57.3	-2.1	

AEIC 21 03:06:57.0; 1.1, 56; 7N.0; 1x148; 98W.0; 0.4, h12km, 8km, Error ellipse: s-maj=14.7km s-min=2.7km az=177.0
 NEIC 21 03:06:51.9; 1.4, 56; 65N.0; 0.09; 149.0W.0; 1.1, h10nm, 2km, ML3.6/36, ML3.1(AEIC), Error ellipse: s-maj=16.3km s-min=3.6km az=154.0, Gulf of Alaska

Code	Station Name	Δ° AZ°	Phase ID	ISC	h m s	ISC	Time	Res
KDAK	Kodiak Island	2.24	302	Pn	03 07 28.8	+0.1		
KDAK	Shuyak Island	2.67	319	Pn	03 07 53.8	-2.5		
SVI	SVI			Pn	03 07 35.2	+0.6		
SVI	Sitkinak Island	2.85	270	Sn	03 08 06.6	-0.9		
SII	Sitkinak Island	2.85	270	Sn	03 07 37.0	0.0		
SII	comp=N, 174nm, 5.0s			Sn	03 08 08.8	-2.6		
R18K	Karluk	3.10	290	Pn	03 07 40.8	+0.4		
R18K	comp=N, 132nm, 2.3s			Sn	03 08 13.9	-3.5		
R18K	comp=N, 132nm, 2.3s			IAML	03 09 21.8			
R18K	comp=E, 150nm, 3.9s			IAML	03 09 36.5			
CNMP	China Poot	3.12	339	Pn	03 07 40.9	+0.2		
CNMP	Middleton Isla	3.13	26	Sn	03 08 15.4	-2.6		
Q23K	Bradley Lake S	3.23	344	Sn	03 07 42.2	+1.3		
BRSE	Bradley Lake S	3.23	344	Pn	03 07 42.2	-0.1		
BRLK	Bradley Lake	3.28	343	Pn	03 08 17.4	-3.5		
BRLK	Bradley Lake	3.28	343	Sn	03 07 42.7	-0.2		
BRLK	Bradley Lake	3.28	343	Sn	03 08 18.6	-3.4		
Q19K	Cape Douglas, comp=N, 174nm, 5.0s	3.37	315	Pn	03 07 45.4	+1.2		
Q19K	Cape Douglas, comp=N, 174nm, 5.0s	3.37	315	IAML	03 09 30.0			
P23K	Montage Island	3.47	14	Pn	03 07 45.3	-0.2		
SEW	Seward	3.48	357	Pn	03 07 45.0	-0.6		
KAHG	Katmai Hook G	3.50	304	Pn	03 07 47.9	+1.6		
AUL	Augustine Lava	3.61	321	Pn	03 07 48.9	+1.9		
KAKN	Katmai Knife C	3.65	299	Pn	03 07 49.1	+1.0		
P19K	Oil Pt	3.75	325	Pn	03 07 50.5	+1.1		
P19K	comp=N, 153nm, 3.9s	3.75	325	IAML	03 08 58.2			
P19K	comp=N, 153nm, 3.9s			IAML	03 10 17.4			
KABU	Katmai Buttes	3.75	298	Pn	03 07 51.2	+1.8		
CHIR	Chirikof Island	3.77	260	Pn	03 07 49.5	-0.1		
KAHC	Katmai Hardscr	3.79	304	Pn	03 07 51.1	+1.1		
ANCK	Angle Creek	3.82	297	Pn	03 07 52.4	+1.9		
SLKM	Skilak Lake	3.92	351	Pn	03 07 51.4	-0.4		
HIN	Hinchinbrook I	3.99	18					

21d 3h

Table with columns for station code, name, coordinates, and other parameters. Includes stations like NRCA, MTR, MC2, SMA1, LNSS, GAVE, GUMA, RM33, T1221, TERO, CESI, OFFI, MNTP, MDAR, ARRO.

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Table with columns for station code, name, coordinates, and other parameters. Includes stations like ARRO, SEF1, GIGS, SSM1, ASSB, MOMA, SNTG, EL6, CING, ATCC, FOSV, T0110, MURB, SSFR, ARVD, ATFO, ATVO.

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Table with columns for station code, name, coordinates, and other parameters. Includes stations like ATPI, FSSB, APEC, LIK, BFOZ, WRO, WRA, PSA00, MBWA, TOL12, NWA0, MORW, MJAR, JNU, KSR5, USRK, Vnda, KLR, CMAR, N15K, M16K, K15K, QSPA, ULN, SONM, CAST, G19K, RND, E19K, G21K, IL31, ILAR, J25K.

21d 4h

BRDY	Brady	17.53	346	Pn	Iamb	04 17 12.4	-1.0
346A	Big Creek Wild	17.57	13	P	Iamb	04 17 12.4	-1.5
346A	Big Creek Wild	17.57	13	P	Pn	04 17 13.9	+0.1
SLBS	Sierra La Lagu	17.66	304	P	P	04 17 19.4	+3.4
237A	Washetta, Mont	17.73	355	Pn	Pn	04 17 14.6	+1.3
OZNA	Ozona	17.80	340	Iamb	Iamb	04 17 22.9	
WHTX	Lake Whitney,	17.91	351	P	Pn	04 17 18.2	+0.1
WHTX	Lake Whitney,	17.91	351	P	P	04 17 18.4	-0.2
WHTX	Lake Whitney,	17.91	351	P	P	04 17 18.5	-0.2
BRAL	Brewton	18.03	20	Pn	Pn	04 17 19.4	-0.1
BRAL	Brewton	18.03	20	P	Pn	04 17 17.9	-1.6
DWPF	Disney Wildern	18.13	39	P	P	04 17 17.4	-3.4
LPIG	La Paz	18.16	305	P	P	04 17 25.2	+3.8
LPIG	comp-Z,20nm,0.3s,baz=99,slow=14,SNR=6.1	18.17	10	LR	LR	04 24 04.3	
VBMS	Vicksburg	18.17	10	P	Pn	04 17 21.1	-0.1
VBMS	Vicksburg	18.17	10	P	Iamb	04 17 26.2	
VBMS	comp-Z,63nm,0.7s	18.17	10	P	P	04 17 21.0	-0.3
VBMS	Vicksburg	18.17	10	P	Pn	04 17 20.8	-0.5
553A	Clawfordville	18.18	28	Pn	Pn	04 17 19.2	-2.2
FW13	Cleburne	18.26	35	P	Pn	04 17 22.0	-0.4
FW13	FW13			P	Iamb	04 17 26.1	
FW14	Alvarado	18.27	352	P	Iamb	04 17 22.4	-0.2
FW14	FW14			P	Iamb	04 17 28.3	
ALPN	Alpine	18.29	333	P	P	04 17 24.4	+1.4
ALPN	ALPN			P	Iamb	04 17 32.3	
APAC	Apartado, Choc	18.31	106	eP	P	04 17 25.9	+2.8
TREL	Terrell	18.48	355	P	P	04 17 23.7	-1.2
TREL	TREL			P	Iamb	04 17 26.4	
143A	Socs Landing,	18.52	7	P	P	04 17 25.1	-0.2
143A	Socs Landing,	18.52	7	P	P	04 17 25.3	0.0
FW07	Weatherford	18.66	350	P	Pn	04 17 27.1	-0.2
FW07	FW07			P	Iamb	04 17 36.2	
SGCV	Sterling City	18.71	341	P	Pn	04 17 28.4	+0.5
SGCV	SGCV			P	Iamb	04 17 29.6	
MNHN	Mionahans	18.77	336	P	Pn	04 17 29.6	+1.0
MNHN	MNHN			P	Iamb	04 17 39.0	
146A	Union	18.86	13	P	P	04 17 29.0	-0.1
146A	Union	18.86	13	P	P	04 17 28.9	-0.1
PLPT	Palo Pinto	18.86	349	P	P	04 17 28.9	-0.3
PLPT	PLPT			P	Iamb	04 17 37.8	
FW06	Azle	18.89	351	P	P	04 17 29.5	+0.1
FW06	FW06			P	Iamb	04 17 41.4	
Z38A	Mt. Pleasant	18.93	358	P	Pn	04 17 30.4	-0.1
Z38A	Z38A			P	Iamb	04 17 39.1	
Z38A	Mt. Pleasant	18.93	358	P	Pn	04 17 31.2	+0.7
Z41A	Richland Creek	18.95	3	P	P	04 17 30.3	+0.3
Z41A	Richland Creek	18.95	3	P	P	04 17 29.7	-0.3
Z41A	Richland Creek	18.95	3	P	P	04 17 29.7	-0.3
Z41A	Richland Creek	18.95	3	P	P	04 17 29.7	-0.3
ABTX	Abilene, Hawle	18.97	345	P	Pn	04 17 31.1	+0.1
ABTX	ABTX			P	Iamb	04 17 33.4	
ABTX	Abilene, Hawle	18.97	345	P	Pn	04 17 31.3	+0.3
ABTX	Abilene, Hawle	18.97	345	P	Pn	04 17 31.3	+0.3
DBBC	Dabeiba	18.99	110	eP	P	04 17 31.6	+0.2
SJCC	San Jacinto, C	19.00	101	eP	Pn	04 17 32.2	+0.6
250A	Grady	19.04	21	P	P	04 17 31.2	+0.2
250A	Grady	19.04	21	P	P	04 17 30.8	-0.1
FW03	Perrin-Whitt E	19.04	350	P	Pn	04 17 31.7	-0.2
FW03	FW03			P	Iamb	04 17 40.6	
352A	Blakely	19.09	25	P	P	04 17 30.3	-1.3
352A	352A			P	Iamb	04 17 33.6	
352A	Blakely	19.09	25	P	P	04 17 30.1	-1.5
352A	Blakely	19.09	25	P	P	04 17 32.8	0.0
Z35A	Perchaven, San	19.20	352	P	Iamb	04 17 42.9	
Z35A	Z35A			P	Iamb	04 17 32.8	0.0
Z35A	Perchaven, San	19.20	352	P	Pn	04 17 34.5	+0.7
PECS	Pecos	19.24	334	P	Iamb	04 17 34.6	+0.2
PECS	PECS			P	Iamb	04 17 48.1	
425A	Indio Mountain	19.25	330	P	Pn	04 17 35.3	+0.4
UREC	San Jos de Ur	19.33	108	eP	P	04 17 35.9	+0.7
WLAR	White Oak Lake	19.36	2	P	P	04 17 35.2	+0.5
ODSA	Odesa	19.38	338	P	Iamb	04 17 41.5	
SN01	Snyder 1	19.52	343	P	P	04 17 36.9	+0.5
SN01	SN01			P	Iamb	04 17 41.2	
TIGA	Tifton	19.63	28	P	P	04 17 36.5	-0.9
TIGA	TIGA			P	Iamb	04 17 39.4	
TIGA	Tifton	19.63	28	P	P	04 17 35.9	-1.6
TIGA	Tifton	19.63	28	P	P	04 17 35.9	-1.6
Z47A	Carrollton	19.64	15	P	P	04 17 37.0	-0.5
Z47A	Carrollton	19.64	15	P	P	04 17 37.2	-0.3
CB0C	Ciudad Bolivar	19.65	113	eP	Pn	04 17 40.2	+0.7
CCAR	Carne Creek	19.68	6	P	P	04 17 38.4	+0.4
CCAR	CCAR			P	Iamb	04 17 46.9	
APMT	Aspermont	19.75	345	P	Pn	04 17 39.8	-0.7
APMT	APMT			P	Iamb	04 17 52.9	
LRAL	Lakeview Retre	19.78	18	P	P	04 17 37.7	-1.4
LRAL	Lakeview Retre	19.78	18	P	P	04 17 38.0	-1.1
LRAL	Lakeview Retre	19.78	18	P	P	04 17 37.4	-1.6
WTF5	Witchita Falls	19.82	349	P	Pn	04 17 40.5	-0.6
WTF5	WTF5			P	Iamb	04 17 43.1	
LOOK	Love County	19.84	352	P	P	04 17 40.5	+0.7
LOOK	LOOK			P	Iamb	04 17 43.8	
PLMC	San Jos del P	19.86	116	eP	Pn	04 17 41.6	-0.3
POST	Post	19.90	341	P	Pn	04 17 41.4	-0.7
POST	POST			P	Iamb	04 17 43.4	
HEL0	Santa Helena	19.94	112	eP	Pn	04 17 45.9	+2.7
Y45A	Yeager Farm, C	19.95	11	P	P	04 17 41.2	+0.2
Y45A	Y45A			P	Iamb	04 17 42.9	
Y45A	Yeager Farm, C	19.95	11	P	P	04 17 40.4	-0.6
ZARC	Zaragoza, Cauc	20.05	108	eP	P	04 17 42.6	+0.4
X40A	Basin Creek Fa	20.17	3	P	P	04 17 42.7	-0.7
MNTX	Cornudas Mount	20.20	331	P	P	04 17 46.3	+0.6
MNTX	MNTX			P	Pn	04 17 45.4	-0.3
MIAR	Mount Ida	20.20	1	P	P	04 17 42.9	-0.8
MIAR	MIAR			P	Iamb	04 17 50.5	
MIAR	Mount Ida	20.20	1	P	Pmax	04 17 42.9	-0.8
MIAR	MIAR			P	Pmax	04 17 42.9	-0.8

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MIAR	Mount Ida	20.20	1	P	P	04 17 43.1	-0.6
MIAR	Mount Ida	20.20	1	P	P	04 17 42.5	-1.2
152A	Waverly Hall	20.22	23	P	P	04 17 43.1	-0.8
152A	Waverly Hall	20.22	23	P	P	04 17 42.7	-1.3
YOTO	Yotoco, Valle	20.27	119	eP	Pn	04 17 51.1	+4.4
X37A	Clayton	20.27	357	P	P	04 17 51.4	-3.1
X37A	X37A			P	Iamb	04 17 42.4	
DKNS	Dickens	20.29	343	P	P	04 17 45.6	+0.8
DKNS	DKNS			P	Iamb	04 17 49.6	
JAMC	Jamundi, Valle	20.40	121	eP	Pn	04 17 48.7	+0.3
UALR	University of	20.49	4	P	P	04 17 46.4	-0.4
UALR	UALR			P	Iamb	04 17 52.7	
CGIG	Guyana, Caldas	20.50	324	P	Pn	04 17 50.6	+1.2
CGIG	CGIG			P	Pn	04 17 50.6	+1.2
GUY2C	Puerto Lerez	20.51	114	eP	Pn	04 17 50.1	+0.1
PLPL	Hazelhurst	20.51	139	eP	Pn	04 17 48.6	-0.9
255A	255A	20.55	29	P	P	04 17 46.4	-1.1
255A	255A			P	Iamb	04 17 49.4	
PACI	Pacto, Paraso	20.56	131	eP	P	04 17 38.5	-9.5
OXF	Oxford	20.60	11	P	P	04 17 47.5	-0.6
OXF	OXF			P	Iamb	04 17 51.7	
OXF	Oxford	20.60	11	P	Pmax	04 17 47.5	-0.6
OXF	OXF			P	Pmax	04 17 47.5	-0.6
OXF	Oxford	20.60	11	P	P	04 17 46.7	-1.3
OXF	Oxford	20.60	11	P	P	04 17 46.8	-1.3
BBAC	Balboa, Cauca	20.62	125	eP	P	04 17 48.7	+0.1
Z51A	Franklin	20.63	22	P	P	04 17 48.2	-0.2
Z51A	Franklin	20.63	22	P	P	04 17 46.5	-2.0
Y49A	Blount Mountai	20.72	18	P	P	04 17 48.2	-1.1
Y49A	Y49A			P	Iamb	04 17 51.0	
Y49A	Blount Mountai	20.72	18	P	P	04 17 47.8	-1.5
PTBC	PUERTO BERRIO,	20.77	110	eP	Pn	04 17 51.9	-0.7
POPC	Popayan, Colom	20.78	123	eP	Pn	04 17 52.4	-0.4
POPC	POPC			P	Pn	04 17 53.0	0.0
CUSE	Cuicocha Este	20.82	130	eP	P	04 17 50.1	-1.0
WMOK	Wichita Mounta	20.82	349	P	P	04 17 50.3	-0.2
WMOK	WMOK			P	Iamb	04 17 53.3	
WMOK	Wichita Mounta	20.82	349	P	P	04 17 50.3	-0.2
WMOK	WMOK			P	Pmax	04 17 50.3	-0.2
WMOK	Wichita Mounta	20.82	349	P	P	04 17 51.0	+0.5
WMOK	Wichita Mounta	20.82	349	P	P	04 17 51.1	+0.6
OTAV	Otavalo	20.83	131	P	P	04 17 52.1	+0.9
OTAV	Otavalo	20.83	131	P	P	04 17 52.1	+0.9
OTAV	Otavalo	20.83	131	P	Pmax	04 17 52.1	+0.9
OTAV	Otavalo	20.83	131	P	Pmax	04 17 52.1	+0.9
154A	Montrose	20.84	27	P	P	04 17 50.1	-1.1
154A	154A			P	Iamb	04 17 48.8	-1.8
154A	Montrose	20.84	27	P	P	04 17 48.1	-2.6
LL6C	La Loma 6 Bec	20.86	100	eP	P	0	

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Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes stations like S39A Bolivar, U49A Red Boiling Sp, RTBA Rita Blanca, ANMO Albuquerque, etc.

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Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes stations like R49A Shelbyville, P40A Paris, P38A Dawn, R50A Paris, etc.

21d 4h

Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes stations like SJG San Juan, RMX La Rumorosa, SWSC Sam W. Stewart, IKP In-Ko-Pah, etc.

1535

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like Liberty, La Paz, Longmire, etc.

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Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like Frobisher Bay, Universidad Ad Talagante, Jennings River, etc.

21d 4h

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like Beaver Creek, Tsigheitchik, Middleton Isia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Kurbatov Arra, Borovoye Array, AKTO Aktyubinsk, etc.

IDC 21 05:16:17.9.2.0, 2.22N, 127.67E, h0km, mb3.5/4, mbtmp3.5, Error ellipse: s-maj=166.9km s-min=23.1km az=67.0, Northern Molucca Sea

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

JMA 21 05:23:28.0.0.2, 36.2N, 0.8.137.1E, 0.9, h271km, 2km, MV3.4/35, NORTHERN GIFU PREF

IDC 21 05:23:28.5.0.7, 36.14N, 136.96E, h266km, 7km, mb3.4/13, mbtmp4.0/14, Error ellipse: s-maj=17.7km s-min=12.4km

ISC 21 05:23:28.0.0.7, 36.21N, 0.07.136.99E, 0.06, h265km, 6km, n34, -0.73/45, mb3.7/13, Near west coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like JGN Niukawa, JYTA Yamagatani, MAT Matsushiro, etc.

NOU 21 05:36:23.9.40.11S, 174.07E, h146km, MLV4.5/16, Cook Strait, New Zealand

WEL 21 05:36:27.3.0.8, 40.3.3.17.4E, h107km, 7km, M4.3/110, M4.6/19, MLV4.3/110, Error ellipse: s-maj=0.0km s-min=0.0km az=95.1, confirmed

ISC 21 05:36:22.9.1.5, 40.13S, 0.03.174.10E, 0.04, h147km, 10km, n178, s193/201, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like DUWZ D'Urville Isla, LREZ Lake Rotokare, NMEZ Namu Road, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like KHEZ Kahui Hut, KHEZ North Egmont, NBZ Newall Road No, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like HLOW Holdsworth Sta, ORZ Quartz Range, ORZ Quartz Range, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like JAZ Te Kaha, MQZ McQueen's Vall, PUZ Puketiti, etc.

IDC 21 06:29:22.3.3.3, 2.69N, 94.78E, h0km, mb3.7/4, mbtmp3.5, ML4.9/1, Error ellipse: s-maj=12.8km s-min=30.2km az=60.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like CMAR Chiang Mail Arr, H0S2 Diego Garcia H, H0S1 Diego Garcia H, etc.

IGIL 21 07:00:19.3, 36.65N, 12.67W, h31km, ML1.7, MDD 21 07:00:20.3, 1.3, 36.83N, 12.26W, h0km, mb_L92.6/4, Error ellipse: s-maj=14.6km s-min=9.5km az=169.0

INMG 21 07:00:21.5, 0.9, 36.66N, 12.66W, h31km, ML2.0, Error ellipse: s-maj=5.3km s-min=3.6km az=97.0

CNRM 21 07:00:28.9, 36.26N, 11.61W, h30km, ISC 21 07:00:16.2, 2.9, 36.66N, 0.06, 12.4W, 0.2, h10km, n43, s263/75, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PFVI Vila Bisbo, PFVI Vila Bisbo, MORF Marneleto, etc.

21d 9h

Table with columns: SDDR, comp-Z, 17nm, 2.7s, IAML, 07 57 19.4, PAPH, Port-au-Prince, 3.82 275 Pn, Pn, 07 55 47.1 +0.4

IDC 21 08:11:48.8, 1.2, 0.14N, 123.89E, h0km, mb3.4/5, mbtmp3.4/5, Error ellipse: s-maj=77.7km s-min=21.9km az=69.0

DJA 21 08:12:01.7, 0.0, 7.0'S, 6.6'12'E, h98km, 13km, M4, 1/8, mb4.5/1, MLV3,9/8

ISC 21 08:12:00.9, 1.0, 0.08S, 0.07, 123.99E, 0.07, h110km, n12, s159/12, mb3.6/5, MINAHASSA Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KMSI Cibinong, LUWI Lunuk, MRSI Marisa, SANI Sanana, etc.

IDC 21 08:44:10.0, 8.1, 22.23S, 176.53W, h0km, mb3.6/3, mbtmp3.6/3, Error ellipse: s-maj=354.0km s-min=37.0km az=146.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ASAR Alice Springs, USRK Ussuriysk Ar., MKAR Makanchi Array, etc.

IDC 21 08:51:35.4, 1.2, 12.02S, 41.56E, h0km, mb3.6/4, mbtmp3.7/6, ML4.2/2, MS3.2/6, Error ellipse: s-maj=33.9km s-min=29.4km az=25.0

ISC 21 08:51:37.0, 1.2, 11.9S, 0.1, 41.5E, 0.2, h10km, n10, s172/8, mb3.6/5, MS3.0/4, Northwest of Madagascar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KMBO Kilima Mbogo, LSZ Lusaka, BOSHA Boshof, SUR Sutherland, etc.

UPA 21 08:56:26.6, 0.3, 9.07N, 85.27W, h43km, 999km, MD4.0, MW4.2

UCR 21 08:56:34.7, 1.2, 9.44N, 84.51W, h21km, 4km, MW3.6

ISC 21 08:56:33.3, 1.1, 9.42N, 0.03, 84.58W, 0.03, h13km, n9m, n78, s060/104.5, 11Z, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RITA Parrita, SVQ2 Quepos, LLNJ Naranjito, etc.

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Table with columns: ICR3, Volcano Irazu, MTEVE Monteverde, JUNTA Juntas, VINA Juan Vinas, SOCE Pocosol, etc.

NMC 21 09:21:35.8, 1.1, 51.78N, 75.32E, h0km, mb2.8, mpv2.4, Error ellipse: s-maj=25.2km s-min=7.3km az=22.0, Suspected Mining explosion.

IDC 21 09:21:36.7, 1.4, 51.76N, 75.55E, h0km, mbtmp2.6/3, ML1.1/9.3, Error ellipse: s-maj=20.4km s-min=11.1km

ISC 21 09:21:33.0, 1.0, 51.76N, 0.06, 75.19E, 0.05, h0km, n11, s190/13, 3C-8D, Eastern Kazakhstan

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

RSNC 21 09:27:38.1, 2.4, 7.46N, 75.30W, h23km, 6km, ML3.4, Mw3.5, 3C-2D, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like UREC San Jos de Ur, ZARC Zaragoza, DBBC Dabeiba, etc.

Table with columns: GUY2C Guyana, Caldas, 2.23 182 eP, GUY2C Guyana, Caldas, 2.27 112 eP, BARC Barichara, CAPC Capurgana, etc.

IDC 21 09:31:17.4, 0.5, 22.19S, 174.78W, h0km, mb4.6/18, mbtmp4.5/19, ML5.0/2, MS4.3/2, Error ellipse: s-maj=20.5km s-min=14.4km az=107.0

NEIC 21 09:31:17.4, 2.8, 22.10S, 0.08, 174.32W, 0.09, h10km, 1km, mb4.9/54, Error ellipse: s-maj=14.7km s-min=12.3km az=127.0

NOU 21 09:31:22.9, 2.2, 04S, 173.98W, h92km, mb5.0/32, Tonga Islands Region

ISC 21 09:31:17.6, 0.3, 22.19S, 0.06, 174.42W, 0.06, h10km, n220, s176/203, mb5.1/72, MS4.6/5, 20C-13D, Tonga Islands region

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

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like COEN, HTT, BBOO, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like SNA4, SNA5, SNA6, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like KHC, CKRC, GRES, etc.

ISK 21 09:34:39.5; 37.56N; 36.27E, h5km, ML3, 1/18
AFAD 21 09:34:40.1; 0.0; 37.54N; 36.29E, h1 km, MW3/7
ISC 21 09:34:40.4; 0.9; 37.51N; 0.0; 36.30E; 0.02, h7km, 7km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like ANDN, KHAMR, KAHM, etc.

PGC 21 09:47:05.0; 1.0; 49.16N; 130.02W, h10km, mb4.7,
ML3N, 7/31, Mw4.3/31, 253km Wsw of Pt. Hardy, Bc
Vancouver Island, Canada Region

NEIC 21 09:47:05.49; 16N; 130.01W, h4km, Moment Tensor Solution.
Moment tensor: Scale 10^16Nm; Mrr-0.41; Mtheta-0.77; Mphi-0.26; Mxx-1.22; Myy-0.18; Mzz-2.45; Fault plane solution: 2.80e+000; 1.83e+000; NP2: 112.00000; 87.00000; 1.76.00000. Principal axes: T 2.7781, P1g45.0000; Azm1: 10.0000; N -0.0433; P1g7.0000; Azm2: 207.0000; P 7348, P1g44.0000; Azm3: 303.0000.

IDC 21 09:47:06.1; 0.9; 49.28N; 129.88W, h0km, mb4.0/13,
mbmp4.0/24, mSL3.9/10, MS4.1/63 Error ellipse:
s-min=6.9km az=213.0

GCMT 21 09:47:08.4; 0.2; 49.20N; 0.01; 130.03W; 0.02, h18km, 1km,
MW5.0/115, Moment Tensor Solution. s56;c68;
s115;c181; Duration: 0 Moment tensor: Scale 10^16Nm;
Mrr-0.18; 1.1; Mtheta-3.57; 0.9; Mphi3.75; 1.0; Mxx-0.66; 2N;
Myy-1.16; 0.9; Mzz-0.33; 2.0; Best double couple:
Mxx3.91000e+016; NPI1: 54.00000; 688.00000;
lambda-11.00000; NP2: 65.44.00000; 679.00000;
lambda-178.00000. Principal axes: T 3.9730, P1g6.0000; Azm3: 90.0000; N -0.1250; P1g79.0000; Azm2: 21.0000; P 3.9480, P1g9.0000; Azm8: 60.0000; Azm1 refers to body waves, cutoff=40s. Triangular moment-rate function, cutoff=50s. Triangular moment-rate function

NEIC 21 09:47:09.4; 3.0; 49.38N; 0.06; 129.59W; 0.07, h10km, 1km,
mb4.6/199, Mw4.9(OTT) Error ellipse: s-maj=10.3km
s-min=6.9km az=213.0

ISC 21 09:47:11.7; 1.2; 49.41N; 130.04W; 0.05, h18km, 6km,
n675, c1936/562, mb4.7/58, MS4.2/58, Vancouver Island region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like NCHR, HOLB, NEPTUNE, etc.

CBB	Campbell River	2.70	75	Pn	09 47 53.8	-0.3	S34M	Telegraph Cree	8.57	354	Pn	09 49 13.3	-1.4	PDAR		LR	LR	09 57 15.8	
CBB	Campbell River	2.70	75	Pn	09 47 53.9	-0.3	S32K	Killisnoo	8.63	341	P	09 49 16.6	+1.1		comp=Z,1um,18.9s,baz=308,slow=39				
CBB				Sn	09 48 30.0	+3.7		baz=160							comp=Z,3.5nm,0.9s				
BFB5	Bamfield	2.87	100	Pn	09 47 54.4	-2.1	I07A	Izee	8.64	124	Pn	09 49 16.9	+1.0	S11A	Rache	15.36	135	Iamb	09 50 54.4
BFB5B				Sn	09 48 30.4	-0.1	LOAD	Klamath Falls	8.74	143	Pn	09 49 18.9	+1.7	CWC	Cottonwood Cree	16.37	143	P	09 50 51.0
BFB5B	Bamfield	2.87	100	Pn	09 47 54.4	-2.1	YBH	Blue Hor	9.00	146	Pn	09 49 19.2	-1.6		comp=Z,24nm,1.2s				
BFB5B				Sn	09 48 30.4	-0.1		6.2nm,0.9s,baz=327,slow=16,SNR=7.0											
B928	Bamfield	2.87	100	Pn	09 47 54.0	-2.4	DLBC	Dease Lake	9.05	358	Pn	09 49 21.9	+0.6	YKA	Yellowknife Ar	15.45	26	Pn	09 50 46.5
B928	Bamfield	2.87	100	Pn	09 47 54.0	-2.4	DLBC	Dease Lake	9.05	358	Pn	09 49 20.7	-0.6		comp=Z,0.3nm,0.3s,baz=217,slow=13,SNR=14				
BBB	Bella Bella	2.90	16	Pn	09 47 55.5	-1.3	DLBC	Dease Lake	9.05	358	Pn	09 49 21.4	+0.1	YKA			LR	LR	09 57 27.4
BBB	Bella Bella	2.90	16	Pn	09 47 55.2	-1.5	DLBC	Dease Lake	9.05	358	Pn				comp=Z,550nm,21.3s,baz=200,slow=40				
BBB	Bella Bella	2.90	16	Pn	09 47 55.2	-1.5	DLBC	Dease Lake	9.05	358	Pn				comp=Z,9.0nm,1.0s				
BBB	46nm,0.3s,baz=131,slow=23,SNR=7.5			Sn	09 48 29.4	-1.7	DLBC	Dease Lake	9.05	358	LR	09 52 33.6		VES	Vestal, Richgr	15.53	147	P	09 50 52.6
BBB	comp=Z,2um,20.9s,baz=274,slow=59			LR	09 49 07.8		DLBC	Dease Lake	9.05	358	Pn			L26K	Log Cabin Vld	15.63	336	Iamb	09 50 54.3
BBB	170nm,0.3s						NBC5	NorthernBC 5	9.06	24	Pn	09 49 21.2	-0.1	L26K	Log Cabin Vld	15.63	336	P	09 50 52.0
BBB	Bella Bella	2.90	16	Pn	09 47 55.3	-1.5	NBC5	NorthernBC 5	9.06	24	P	09 49 22.9	+1.4	D26K	Log Cabin Vld	15.63	336	P	09 50 54.0
BBB				Sn	09 48 30.6	-0.4	NBC5	NorthernBC 5	9.06	24	P	09 49 22.9	+1.4	D26K	Log Cabin Vld	15.63	336	P	09 50 52.0
B927	Port Alberni	3.02	92	Pn	09 47 57.4	-1.1	BMO	Blue Mountains	9.81	114	Pn	09 49 26.8	+0.1	DAWY	Dawson	15.64	344	P	09 50 51.4
B927	Port Alberni	3.02	92	Pn	09 47 57.4	-1.1	BSMT	Bassoo Peak	9.81	94	Pn	09 49 31.4	-0.6	DAWY	Dawson	15.64	344	P	09 50 51.4
HG4B	Hot Springs	3.10	339	Pn	09 47 53.9	-5.6	R33M	Jennings River	10.04	355	Pn	09 49 31.4	-0.6	DAWY	Dawson	15.64	344	P	09 50 48.8
TXB	Texada	3.26	83	Pn	09 48 01.2	-0.6	R33M	Jennings River	10.04	355	Pn	09 49 36.3	+1.3	J30M	Hart River	15.64	349	P	09 50 50.9
TXB	Texada	3.26	83	Pn	09 48 01.2	-0.6	R33M	Jennings River	10.04	355	Pn	09 49 36.3	+1.3	J30M	Hart River	15.64	349	P	09 50 50.9
OCP	Olym-Cheeka Pk	3.36	108	Pn	09 48 01.4	-1.8	R33M	Jennings River	10.04	355	Pn	09 49 32.0	-3.0	HARP	HAARP	15.65	332	P	09 50 50.4
OCP	Olym-Cheeka Pk	3.36	108	Pn	09 48 01.4	-1.8	R33M	Jennings River	10.04	355	Pn	09 49 32.0	-3.0	HARP	HAARP	15.65	332	P	09 50 50.4
PFB	Port Renfrew	3.38	103	Pn	09 48 01.1	-2.5	PLD	Pearl Lake	10.10	110	Pn	09 49 37.4	+1.6	SEW	Seaward	15.68	321	P	09 50 53.0
PFB	Port Renfrew	3.38	103	Pn	09 48 01.1	-2.5	JTMT	Jette	10.17	94	Pn	09 49 36.3	-0.5	SEW	Seaward	15.68	321	P	09 50 53.0
PFB	Port Renfrew	3.38	103	Pn	09 48 01.1	-2.5	JTMT	Jette	10.17	94	Pn	09 49 36.3	-0.5	SEW	Seaward	15.68	321	P	09 50 53.0
PFB	Port Renfrew	3.38	103	Pn	09 48 01.1	-2.5	JTMT	Jette	10.17	94	Pn	09 49 36.3	-0.5	SEW	Seaward	15.68	321	P	09 50 53.0
PFB	Port Renfrew	3.38	103	Pn	09 48 01.1	-2.5	FNSB	Fort Nelson	10.19	20	Pn	09 49 37.0	+0.2	PNV	Topop Spring	15.70	138	P	09 50 54.8
PFB	Port Renfrew	3.38	103	Pn	09 48 01.1	-2.5	LIRD	Liard River Hi	10.20	10	P	09 49 38.1	+1.1	PNV	Topop Spring	15.70	138	P	09 50 54.8
PTFR	Port Renfrew	3.41	103	Pn	09 48 01.5	-2.4	WVOR	Wild Horse Val	10.25	129	Pn	09 49 39.5	+1.7	LAO	LASA Array	15.73	91	Iamb	09 51 00.5
PTFR	Port Renfrew	3.41	103	Pn	09 48 01.5	-2.4	NBC6	NorthernBC 6	10.24	24	Pn	09 49 40.1	+1.2	FURC	Furnace Creek	15.84	140	P	09 50 56.4
BAIB	Barry Inlet	3.49	336	Pn	09 47 59.3	-5.7	NBC6	NorthernBC 6	10.24	24	Pn	09 49 40.1	+1.2	FURC	Furnace Creek	15.84	140	P	09 50 56.4
B926	Mesachie Lake	3.52	98	Pn	09 48 03.3	-2.1	NBC6	NorthernBC 6	10.24	24	Pn	09 49 40.1	+1.2	FURC	Furnace Creek	15.84	140	P	09 50 56.4
B926	Mesachie Lake	3.52	98	Pn	09 48 03.3	-2.1	NBC6	NorthernBC 6	10.24	24	Pn	09 49 40.1	+1.2	FURC	Furnace Creek	15.84	140	P	09 50 56.4
B926	Mesachie Lake	3.52	98	Pn	09 48 03.3	-2.1	NBC6	NorthernBC 6	10.24	24	Pn	09 49 40.1	+1.2	FURC	Furnace Creek	15.84	140	P	09 50 56.4
B926	Mesachie Lake	3.52	98	Pn	09 48 03.3	-2.1	NBC6	NorthernBC 6	10.24	24	Pn	09 49 40.1	+1.2	FURC	Furnace Creek	15.84	140	P	09 50 56.4
CLRS	Cowichan Lake	3.52	98	Pn	09 48 03.3	-2.1	NBC6	NorthernBC 6	10.24	24	Pn	09 49 40.1	+1.2	FURC	Furnace Creek	15.84	140	P	09 50 56.4
CLRS	Cowichan Lake	3.52	98	Pn	09 48 03.3	-2.1	NBC6	NorthernBC 6	10.24	24	Pn	09 49 40.1	+1.2	FURC	Furnace Creek	15.84	140	P	09 50 56.4
CLRS	Cowichan Lake	3.52	98	Pn	09 48 03.3	-2.1	NBC6	NorthernBC 6	10.24	24	Pn	09 49 40.1	+1.2	FURC	Furnace Creek	15.84	140	P	09 50 56.4
CLRS	Cowichan Lake	3.52	98	Pn	09 48 03.3	-2.1	NBC6	NorthernBC 6	10.24	24	Pn	09 49 40.1	+1.2	FURC	Furnace Creek	15.84	140	P	09 50 56.4
LLB	Nanaimo Lost L	3.56	91	Pn	09 48 05.9	0.0	MFID	Manas Ranch	11.13	117	Pn	09 49 51.7	+1.8	O22K	Cooper Landing	16.01	321	P	09 50 57.5
LLB	Nanaimo Lost L	3.56	91	Pn	09 48 05.9	0.0	KOTAN	Kotanelee Air	11.17	14	P	09 49 50.8	+0.5	O22K	Cooper Landing	16.01	321	P	09 50 57.5
LLB	Nanaimo Lost L	3.56	91	Pn	09 48 05.9	0.0	KOTAN	Kotanelee Air	11.17	14	P	09 49 50.8	+0.5	O22K	Cooper Landing	16.01	321	P	09 50 57.5
LLB	Nanaimo Lost L	3.56	91	Pn	09 48 05.9	0.0	KOTAN	Kotanelee Air	11.17	14	P	09 49 50.8	+0.5	O22K	Cooper Landing	16.01	321	P	09 50 57.5
SHB	Secheit	3.62	95	Pn	09 48 06.8	-0.1	ORV	Oroville	11.36	147	Pn	09 49 51.4	-1.5	KDAK	Kodiak Island	16.03	310	P	09 50 57.6
SHB	Secheit	3.62	95	Pn	09 48 06.8	-0.1	ORV	Oroville	11.36	147	Pn	09 49 51.4	-1.5	KDAK	Kodiak Island	16.03	310	P	09 50 57.6
SHB	Secheit	3.62	95	Pn	09 48 06.8	-0.1	ORV	Oroville	11.36	147	Pn	09 49 51.4	-1.5	KDAK	Kodiak Island	16.03	310	P	09 50 57.6
SHB	Secheit	3.62	95	Pn	09 48 06.8	-0.1	ORV	Oroville	11.36	147	Pn	09 49 51.4	-1.5	KDAK	Kodiak Island	16.03	310	P	09 50 57.6
BUTB	Butedale	3.70	9	Pn	09 48 06.1	-1.9	FLDN	Fort Liard	11.37	15	Pn	09 49 53.3	+0.3	BRSE	Bradley Lake S	16.04	318	P	09 50 57.8
BUTB	Butedale	3.70	9	Pn	09 48 06.1	-1.9	FLDN	Fort Liard	11.37	15	Pn	09 49 53.3	+0.3	BRSE	Bradley Lake S	16.04	318	P	09 50 57.8
BUTB	Butedale	3.70	9	Pn	09 48 06.1	-1.9	FLDN	Fort Liard	11.37	15	Pn	09 49 53.3	+0.3	BRSE	Bradley Lake S	16.04	318	P	09 50 57.8
BUTB	Butedale	3.70	9	Pn	09 48 06.1	-1.9	FLDN	Fort Liard	11.37	15	Pn	09 49 53.3	+0.3	BRSE	Bradley Lake S	16.04	318	P	09 50 57.8
SYMB	Survey Mountai	3.80	101	Pn	09 48 07.5	-1.8	MKRV	Milk River, Al	11.53	85	Pn	09 49 56.8	+1.5	M23K	Glacier View	16.07	327	P	09 50 58.1
SYMB	Survey Mountai	3.80	101	Pn	09 48 07.5	-1.8	MKRV	Milk River, Al	11.53	85	Pn	09 49 56.8	+1.5	M23K	Glacier View	16.07	327	P	09 50 58.1
SYMB	Survey Mountai	3.80	101	Pn	09 48 07.5	-1.8	MKRV	Milk River, Al	11.53	85	Pn	09 49 56.8	+1.5	M23K	Glacier View	16.07	327	P	09 50 58.1
SYMB	Survey Mountai	3.80	101	Pn	09 48 07.5	-1.8	MKRV	Milk River, Al	11.53	85	Pn	09 49 56.8	+1.5	M23K	Glacier View	16.07	327	P	09 50 58.1
GOBB	Galiano Island	3.90	95	Pn	09 48 10.2	-0.5	HILA	High Level	11.69	34	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	09 51 00.9
GOBB	Galiano Island	3.90	95	Pn	09 48 10.2	-0.5	HILA	High Level	11.69	34	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	09 51 00.9
GOBB	Galiano Island	3.90	95	Pn	09 48 10.2	-0.5	HILA	High Level	11.69	34	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	09 51 00.9
GOBB	Galiano Island	3.90	95	Pn	09 48 10.2	-0.5	HILA	High Level	11.69	34	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	09 51 00.9
GRIB	Gribbell Island	3.94	356	Pn	09 48 07.7	-3.4	WHY	Whitehorse	11.69	347	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	09 51 00.9
GRIB	Gribbell Island	3.94	356	Pn	09 48 07.7	-3.4	WHY	Whitehorse	11.69	347	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	09 51 00.9
GRIB	Gribbell Island	3.94	356	Pn	09 48 07.7	-3.4	WHY	Whitehorse	11.69	347	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	09 51 00.9
GRIB	Gribbell Island	3.94	356	Pn	09 48 07.7	-3.4	WHY	Whitehorse	11.69	347	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	09 51 00.9
BIB	Bowen Island	3.99	88	Pn	09 48 11.6	-0.3	WHY	Whitehorse	11.69	347	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	09 51 00.9
BIB	Bowen Island	3.99	88	Pn	09 48 11.6	-0.3	WHY	Whitehorse	11.69	347	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	09 51 00.9
BIB	Bowen Island	3.99	88	Pn	09 48 11.6	-0.3	WHY	Whitehorse	11.69	347	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	09 51 00.9
BIB	Bowen Island	3.99	88	Pn	09 48 11.6	-0.3	WHY	Whitehorse	11.69	347	Pn	09 49 58.9	+1.5	KNK	Knik Glacier	16.08	325	Iamb	

21d 9h

Table of astronomical observations for 21 days and 9 hours. Columns include station name (e.g., WWT, P49A), frequency (e.g., 32.86, 32.95), polarization (P, I, A), and other parameters. Includes sub-sections like 'WVW', 'P49A', 'PLAL', etc.

2017 NOV

Table of astronomical observations for 2017 NOV. Columns include station name (e.g., ESDC, MKAR), frequency (e.g., 79.10, 80.30), polarization (P, I, A), and other parameters. Includes sub-sections like 'ESDC', 'MKAR', 'AKTO', etc.

1544

Table of astronomical observations for 1544. Columns include station name (e.g., CTAO, AUHUS), frequency (e.g., 20.93, 21.19), polarization (P, I, A), and other parameters. Includes sub-sections like 'CTAO', 'AUHUS', 'LTZ', etc.

Technical notes and data for the 2017 NOV observations, including station identifiers, coordinates, and observation details. Includes text like 'IDC 21 09:56:36.70... 21:28S; 168.63E, h0km, mb4.7/21...'.

Table with columns: Code, Station Name, Azimuth (Az), Phase ID, Time, Residual (Res), and other parameters. Lists various stations and their corresponding observation data.

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

KRNET 21 11:04:24.7-0.1, 40.12N; 79.88E, mb2.2
SOME 21 11:04:25.2, 40.87N; 80.00E, h15km
NVC 21 11:04:26.6, 1.8, 40.139N; 79.83E, h0km, mb3.0, mpv2.7,

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TNSS, TNS5, TNS6, etc.

ICD 21 11:07:02.0-4.1, 3.06S; 152.11E, h0km, mb3.2/2,
mbtmp3.2/2, Error ellipse: s-maj=171.3km
s-min=53.8km az=116.0, New Ireland region

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

NOU 21 11:08:09.1, 21.43S; 169.42E, h0km, MLV4.1/7, Southeast
of Loyalty Islands
ICD 21 11:08:20.7-2.8, 20.91S; 168.16E, h0km, mb3.5/2,

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

ICD 21 11:32:48.0-0.9, 2.32N; 127.75E, h0km, mb3.6/7,
mbtmp3.6/7, Error ellipse: s-maj=64.4km s-min=18.4km
az=75.0

ICD 21 11:32:54.7-0.9, 2.33N; 127.80E, h0km, mb3.7/7,
Northern Molucca Sea
ICD 21 11:32:54.7-0.9, 2.33N; 127.80E, h0km, mb3.7/7,

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

DNK 21 11:50:15.7-1.2, 59.65N; 22.47E, h0km, ML2.4(UPP),
Suspected explosion
ICD 21 11:50:16.5-2.3, 59.61N; 22.51E, h0km, mbtmp2.8/4,

HEL 21 11:50:16.7-0.4, 59.61N; 22.65E, h0km, ML2.0, Explosion
UPP 21 11:50:17.0-1.2, 59.67N; 22.26E, h0km, ML2.4
LVSN 21 11:50:17.0-1.3, 59.66N; 22.39E, h0km, mb6.7km, ML2.3

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

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

JMA 21 11:52:54.2-0.2, 24.24N; 153.25E, h45km, 2km,
MV3.1/12, NEAR ISHIGAKIJIMA ISLAND
ISC 21 11:52:54.7-1.7, 23.85N; 153.50E, h0.05, h33km, 6km,

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

BER 21 11:53:56.9-1.4, 59.63N; 22.75E, h0km, ML1.8, Suspected
explosion
DNK 21 11:53:56.5-0.6, 59.62N; 22.62E, h0km, ML2.6(UPP),

UPP 21 11:53:57.3-2.3, 59.66N; 22.51E, h0km, ML2.6
HEL 21 11:53:57.5-0.1, 59.60N; 22.45E, h0km, ML2.2, Explosion
ICD 21 11:53:58.5-1.9, 59.70N; 22.39E, h0km, mbtmp2.9/4,

LVSN 21 11:53:59.2-2.9, 59.61N; 22.52E, h0km, 45km, ML2.4
ISC 21 11:53:56.2-0.7, 59.65N; 0.03; 22.51E; 0.02, h0km, n62,
r160/93, Baltic States-Belarus-Northwestern Russia

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

21d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like RAF, ARBE, PVF, etc.

DNK 21 12:09:06.6:1.1, 59:62N:22:14E, hOkm, ML2.4(UPP), Suspected explosion
HEL 21 12:09:06.3:0.2, 59:58N:22:12E, hOkm, ML2.1, Explosion
UPP 21 12:09:07.3:1.2, 59:69N:22:04E, hOkm, ML2.4

2017 NOV

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like MEF, NUR, GRAU, etc.

1548

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like NUR, NRTU, GRAU, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for SJA 21, GUC 21, and various stations like Fray Jorge, La Serena, Combarbal, etc.

DNK 21 12:22:01.7-2.0,59:51N-22:26E, h0km, ML2.7, ML2.8(UPP). Suspected explosion
HEL 21 12:22:03.9-0.1,59:62N-22:12E, h0km, ML2.6, Explosion
IDC 21 12:22:04.9-0.9,59:74N-21:30E, h0km, mbtmp3.3/5, ML2.6/4, Error ellipse: s-maj=12.3km s-min=7.1km

UPP 21 12:22:05.0-0.9,59:63N-21:80E, h0km, ML2.8
LVSN 21 12:22:05.4-2.7,59:62N-22:16E, h0km, ML2.8
ISC 21 12:22:01.0-0.7,59:61N-02:22:06E, h0km, n68, #129/101, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Aland, Rauma, Raufarheimsdalur, etc.

Table with columns: SLIT, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Slitere, Latvi, Arbarvere, etc.

IDC 21 12:24:00.5-4.8,19:76S-175:85W, h0km, mb4.0/4, mbtmp4.0/4, Error ellipse: s-maj=148.5km s-min=93.1km az=168.0, Tonga Islands

CTA Charters Tower 35.58 263 P 12 21 01.7 +1.8
STKA Stephens Creek 39.93 244 P 12 31 36.3 -0.3

ASAR Alice Springs 46.66 256 P 12 32 30.5 -0.7
WRA Warramunga Arr 46.71 261 P 12 32 30.7 -0.9

EAF 21 12:24:19.6,26:13S-29:34E, h0km, MC3.8
BUL 21 12:24:20.7-0.9,26:07S-29:24E, h0km,9km,MD4.0, South Africa

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

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

IDC 21 12:30:13.9-2.2,59:52N-22:48E, h0km, mbtmp2.9/4, ML2.1/4, Error ellipse: s-maj=30.1km s-min=8.2km az=167.0

DNK 21 12:30:14.8-0.4,59:62N-22:44E, h0km, ML2.5(UPP), Suspected explosion
HEL 21 12:30:14.3-0.2,59:58N-22:47E, h0km, ML2.1, Explosion
LVSN 21 12:30:16.3-4.2,59:64N-22:64E, h0km, ML2.2

UPP 21 12:30:16.1-1.4,59:65N-22:23E, h0km, ML2.5
ISC 21 12:30:13.6-0.7,59:65N-02:22:53E, h0km, n51, #129/77, Baltic States-Belarus-Northwestern Russia

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TLUG, JAUV, CRIG, CRUZ GRANDE, etc.

IDC 21 13:05:29.0±6.3, 35.96N±71.18E, h90km, 43km, mb3.6/4, mbmp3.8/8, MS3.6/2, Error ellipse: s-maj=54.8km s-min=18.0km az=109.0

ISC 21 12:59:19.7±1.3, 4.25S±0.1, 139.4E±0.1, h10km, n8, e183/10, Irian Jaya

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

IDC 21 13:05:29.0±6.3, 35.96N±71.18E, h90km, 43km, mb3.6/4, mbmp3.8/8, MS3.6/2, Error ellipse: s-maj=78.5km s-min=26.6km az=146.0

NCC 21 13:05:40.8±3.7, 36.95N±70.94E, h185km±49km, mb2.6, mpv2.6, Error ellipse: s-maj=33.3km s-min=25.9km

ISC 21 13:05:33.1±2.1, 36.4N±0.2, 71.0E±0.2, h10km, n22, e139/23, mb4.0/3, 7C-4D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes station AML.

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

NOU 21 13:05:46.6±2.1, 28S±169.52E, h0km, MLV4.8/6, Southeast of Loyalty Islands

IDC 21 13:05:55.4±0.8, 21.32S±168.69E, h0km, mb3.8/10, mbmp3.9/11, ML4.4/1, MS3.4/8, Error ellipse: s-maj=27.4km s-min=18.8km az=153.0

NEIC 21 13:05:56.4±0.9, 21.50S±168.79E±0.04, h10km±1km, mb4.5/9, Error ellipse: s-maj=13.0km s-min=6.1km

ISC 21 13:05:56.3±0.5, 21.38S±168.75E±0.05, h10km, n54, e122/53, mb4.1/14, MS3.3/6, 3C, Loyalty Islands

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, AS31, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TROLL, M17K, etc.

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

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

IDC 21 13:06:33.2±1.9, 4.10S±149.74E, h0km, mb2.3/3, mbmp3.3/3, Error ellipse: s-maj=153.6km s-min=29.7km az=124.0, Bismarck Sea

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

IDC 21 13:11:59.6±3.4, 49.84N±27.46E, h0km, mbtmp3.6/1, ML2.2/1, Error ellipse: s-maj=32.3km s-min=22.0km az=18.0, Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKASG, I43RU, etc.

SOME 21 13:15:16.1, 39.22N±74.90E, h0km, IDC 21 13:15:17.6±0.3, 38.11N±75.60E, h19km±46km, mb3.5/4, mbmp3.6/7, Error ellipse: s-maj=58.4km s-min=27.6km az=173.0

NEIC 21 13:15:20.9±0.7, 38.39N±0.07S±75.50E±0.07, h137km±9km, mb4.3/7, Error ellipse: s-maj=12.1km s-min=3.8km az=141.0

NCC 21 13:15:21.6±3.5, 38.59N±75.05E, h0km, mb3.2, mpv2.8, Error ellipse: s-maj=34.5km s-min=26.3km az=38.0

ISC 21 13:15:16.9±0.6, 38.19N±0.05S±75.58E±0.06, h100km, n56, e246/61, mb4.2/9, 2C-4D, Southern Xinjiang

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EKSE, TKM2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TKM2, PRZ, etc.

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

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

21d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, I, S, C, P, N, R. Includes stations like Weatherford, Caldwell, Sooner Cattle, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, I, S, C, P, N, R. Includes stations like Ghaseh-e-Shirin, Dehrah, Galeghazi, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, I, S, C, P, N, R. Includes stations like Mare, Loyalty, Pines Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, I, S, C, P, N, R. Includes stations like Mare, Loyalty, Pines Island, etc.

1554

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, I, S, C, P, N, R. Includes stations like Peel High Sch, Black Stump Fm, Ayr State High, etc.

ISC 21 14:22:02.0-0.6, 37°27'N-134°93'E, h372km, 8km, mb2.9/11, mbtmp3.718, Error ellipse: s-maj=14.7km s-min=11.1km

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like KAPI, PLAI, DAVO, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like SONM, VNA1, AFDM, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like BFO, DAVA, CTI, etc.

21d 14h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Forrest, etc.

IDC 21 14:29:14.0.0.7, 21.21S; 168.71E, h0km, mb4.3/17, mbmp3.8/18, ML3.0/1, Error ellipse: s-maj=19.8km s-min=16.5km az=104.0

NEIC 21 14:29:18.0.2.1, 21.17S; 0.07:168.52E:0.06, h14km, 5km, mb4.6/15, Error ellipse: s-maj=12.1km s-min=5.2km az=143.0

ISC 21 14:29:18.9.0.5, 21.15S; 0.07:168.56E:0.07, h30km, n72, s104/71, mb4.4/26, 4d, Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like Mare, Loyalty, MARNC, LIFUNC, etc.

2017 NOV

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like USRK, PETK, MAW, CMAR, TROLL, SNA, etc.

JMA 21 14:30:26.0.2.43, 11.0N; 0.5:145.6E:0.7, h49km, 1km, MV2.739, OFF NEMURO PENINSULA

SKHL 21 14:30:27.0.2.43, 11.0N; 145.6E:0.7, h33km, 3km, mb3.7/4

ISC 21 14:30:25.6.1.9, 43.09N; 0.08:145.71E:0.06, h51km, 11km, n12, s073/23, Hokkaido region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like Nemuro, NMR, JNSB, etc.

1556

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like LIFUNC, WRA, AS31, etc.

IDC 21 14:40:43.8.2.6, 21.80S; 168.84E, h0km, mb3.9/6, mbmp3.8/7, ML3.1/1, MS3.2/1, Error ellipse: s-maj=79.8km s-min=27.6km az=147.0

NEIC 21 14:40:45.2.2.1, 21.22S; 0.1:168.74E:0.07, h7km, 7km, mb4.2/8, Error ellipse: s-maj=16.7km s-min=5.5km az=154.0

ISC 21 14:40:47.0.0.8, 21.18S; 0.08:168.58E:0.08, h10km, n35, s189/36, mb4.1/9, Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like BBSI, MARNC, etc.

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

IDC 21 14:47:56.8,-6.8,34.85S-57.04E, h0km, mb3.6/3, mbmp3.6/3, Error ellipse: s-maj=887.3km s-min=35.2km az=22.0, South Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like H01W2, H01W3, H01W1, etc.

EAF 21 14:50:49.2,25.79S-29.56E, h0km, MC3.6 BUL 21 14:50:50.1,1.4,25.76S-29.49E, h0km, 14km, MD3.8, South Africa

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

MOS 21 14:56:14.8,-1.0,9.45N-40.55W, h10km, mb5.2/33, Error ellipse: s-maj=13.4km s-min=7.9km az=46.7

IDC 21 14:56:15.2,0.4,9.48N-40.58W, h0km, mb4.4/28, mbmp4.4/30, ML4.32, MS4.164, Error ellipse: s-maj=14.1km s-min=11.7km az=30.0

NEIC 21 14:56:16.8,-2.1,9.4N-0.1:40.53W:0.09, h10km, 1km, mb5.1/195, Error ellipse: s-maj=18.6km s-min=13.8km az=155.0

GCMT 21 14:56:18.8,-0.2,9.42N:0.02:40.47W:0.01, h12km, MW4.9/124, Moment Tensor Solution. s34,c43; s124,c163; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=2.54e-07; M0=0.04e-08; M0=5.01e-06; Mn=1.19e-30; M0=0.90e-06; Mn=0.66e-21; Best double couple: M2=98500*10^18 Np1=5.00000* 853.00000* 7.5900000* NP2=140.00000* 847.00000* 1.124.00000* Principal axes: T 2.8070, P165.00000* Azm73.00000* N 0.3590, P125.00000* Azm165.00000* P -3.1620, P165.00000* Azm337.00000* nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 21 14:56:16.4,0.3,9.46N:0.05:40.56W:0.05, h10km, n577, 1527/458, mb5.1/175, MS4.1/67, 10C-8D, Central Mid-Atlantic Ridge

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

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

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

1559

Table with columns: Station Name, Elevation, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like BBGB Big Mountain B, KLMR Klimovskoe, VRH Novokhoporsk, YBH Yreka Blue Hor, etc.

2017 NOV

Table with columns: Station Name, Elevation, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like L29M L29M, P30M Million Dollar, S31K Pelican, etc.

21d 15h

Table with columns: Station Name, Elevation, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like M23K Glacier View, H22K Ishlailina Cre, G21K Alakaket, etc.

1561

Table with columns: Call Sign, Name, Frequency, Mode, Direction, Azimuth, Elevation, and other parameters. Includes stations like MRNZ, AULRC, BFZ, TV1H, etc.

2017 NOV

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

21d 16h

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

21d 16h

Table with columns: BRG, comp, az, el, s, SNR, pmax, and various station codes (WUAZ, D18A, W2K, etc.).

2017 NOV

Table with columns: BRG, comp, az, el, s, SNR, pmax, and various station codes (BRG, CLL, CLL, etc.).

1562

Table with columns: Code, Station Name, Az, El, s, SNR, pmax, and various station codes (RETA, WLF, WLF, etc.).

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KRVT Keravat, STKA Stephens Creek, RAR Rarotonga, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GUMO Guam, PATS Pohhpei, H1N1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IDC 21 16:41:06, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IDC 21 17:07:03, NEIC 21 17:07:04, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NEIC 21 17:14:42, TUL 21 17:14:42, etc.

1569

PLK3	Peulik 3	2.66	19	Pn	21 02 53.0 +1.2
PLK1	Peulik 1	2.71	15	Pn	21 02 53.1 +0.7
R18K	Karluk	3.06	37	Pn	21 02 57.1 0.0
R18K	Karluk	3.06	37	P	21 02 57.8 +0.7
FALS	False Pass	3.19	266	P	21 03 00.5 +1.5
FALS	False Pass	3.19	266	P	21 02 59.5 +0.5
Q17K	Contact Creek	3.27	19	Pn	21 03 00.4 +0.1
Q17K	Contact Creek	3.27	19	S	21 03 36.9 -1.2
CNTC	Contact Creek	3.27	19	Pn	21 03 00.5 +0.2
ACHA	Angle Creek He	3.34	24	Pn	21 03 01.6 +0.5
ISLZ	Isanotski Laza	3.39	264	Pn	21 03 02.2 +0.6
ISNN	Isanotski Nort	3.40	266	Pn	21 03 03.1 +1.2
KABU	Katmai Buttres	3.41	24	Pn	21 03 02.2 +0.2
KELA	Mount Kelaz	3.47	19	Pn	21 03 02.9 +0.1
KVTA	Katmai Vly 10	3.50	23	Pn	21 03 03.9 +0.6
SSLN	Shishaldin Nor	3.53	266	Pn	21 03 05.1 +1.4
Q16K	King Salmon	3.56	11	P	21 03 03.9 -0.1
KAHG	Katmai Hook Gl	3.79	28	Pn	21 03 07.7 +0.4
KAHC	Katmai Hardscr	3.81	23	Pn	21 03 07.9 +0.2
Q18K	Katmai Hardscr	3.81	23	P	21 03 07.8 +0.2
P16K	Nushagak River	3.85	359	Pn	21 03 08.8 +0.9
P16K	Nushagak River	3.85	359	P	21 03 08.9 +0.9
KDAK	Kodiak Island	3.93	46	Pn	21 03 08.4 -0.7
KDAK	Kodiak Island	3.93	46	Pn	21 04 23.4
KDAK	Kodiak Island	3.93	46	Pn	21 03 08.6 -0.5
KDAK	Kodiak Island	3.93	46	Pn	21 03 08.6 -0.5
KDAK	Kodiak Island	3.93	46	Pn	21 03 17.7 -1.8
KDAK	Kodiak Island	3.93	46	Pn	21 04 13.8
KDAK	Kodiak Island	3.93	46	Pn	21 04 22.9
P17K	Kvichak River	4.09	11	Pn	21 03 12.0 +0.7
P17K	Kvichak River	4.09	11	P	21 03 11.5 +0.2
Q15K	Ungalikthiuk R	4.13	346	Pn	21 03 12.4 +0.6
Q15K	Ungalikthiuk R	4.13	346	P	21 03 12.3 +0.5
Q19K	Cape Douglas,	4.41	30	Pn	21 03 16.4 +0.6
Q19K	Cape Douglas,	4.41	30	P	21 03 16.2 +0.5
Q16K	Kokwok River B	4.41	359	Pn	21 03 16.1 +0.3
Q16K	Kokwok River B	4.41	359	P	21 03 16.0 +0.3
P18K	Big Mountain,	4.45	18	Pn	21 03 16.4 +0.1
P18K	Big Mountain,	4.45	18	P	21 03 16.4 +0.1
Q14K	Tiguyakuivut M	4.46	337	Pn	21 03 16.8 +0.4
Q20K	Shuyak Island	4.57	39	Pn	21 03 17.8 -0.1
SYI	Shuyak Island	4.57	39	Pn	21 03 18.0 +0.1
SYI	Shuyak Island	4.57	39	IAML	21 04 41.4
SYI	Shuyak Island	4.57	39	IAML	21 04 47.9
O17K	Koliganan River	4.61	5	Pn	21 03 18.6 +0.1
AKSA	Akutan Strait	4.65	260	Pn	21 03 20.1 +1.2
AKUT	Akutan	4.69	260	Pn	21 03 20.4 +0.8
AKUT	Akutan	4.69	260	IAML	21 04 36.8
AKUT	Akutan	4.69	260	IAML	21 04 37.7
AKBBA	Akutan Broad B	4.79	260	Pn	21 03 21.7 +0.7
O18K	Koktuh Hills	4.89	16	Pn	21 03 22.9 +0.5
O18K	Koktuh Hills	4.89	16	IAML	21 04 58.3
O18K	Koktuh Hills	4.89	16	Pn	21 03 22.6 +0.2
N15K	Kwetluk River	5.13	348	Pn	21 03 26.1 +0.5
P19K	Oil Pt	5.13	28	Pn	21 03 25.7 0.0
N14K	Kuskokwak Cree	5.16	338	Pn	21 03 26.9 +0.9
N14K	Kuskokwak Cree	5.16	338	P	21 03 26.0 0.0
UNV	Unalaska Valle	5.19	258	Pn	21 03 26.4 0.0
UNV	Unalaska Valle	5.19	258	P	21 03 26.3 -0.1
N16K	Nishliik Lake	5.32	355	Pn	21 03 28.7 +0.5
N17K	Nushagak Hills	5.36	4	Pn	21 03 29.1 +0.3
N17K	Nushagak Hills	5.36	4	P	21 03 29.0 +0.2
O19K	Port AIsworth	5.37	19	Pn	21 03 29.1 +0.2
O19K	Port AIsworth	5.37	19	P	21 03 29.4 +0.5
MGOD	Makushin Goods	5.41	259	Pn	21 03 29.6 +0.1
MAPS	Pakushin South	5.45	259	Pn	21 03 29.9 +0.1
IVE	Illamuna Volcan	5.50	27	Pn	21 03 31.2 +0.3
N18K	Kilae Creek	5.61	10	Pn	21 03 32.7 +0.5
HOM	Homr	5.61	35	Pn	21 03 32.1 -0.1
CNPM	China Poot	5.65	37	Pn	21 03 32.4 -0.4
O20K	Slope Mountain	5.66	28	Pn	21 03 33.5 +0.6
O20K	Slope Mountain	5.66	28	P	21 03 33.6 +0.6
M15K	Kasigluk River	5.71	346	Pn	21 03 34.2 +0.6
M15K	Kasigluk River	5.71	346	P	21 03 33.9 +0.3
M16K	Timber Creek	5.87	355	Pn	21 03 36.4 +0.5
M16K	Timber Creek	5.87	355	P	21 03 36.5 +0.7
N19K	Bonanza Creek	5.92	16	Pn	21 03 37.4 +0.8
BRLK	Bradley Lake	5.94	37	Pn	21 03 35.9 -0.9
RSO	Redoubt South	5.96	25	Pn	21 03 37.4 +0.3
RDWB	Redoubt West	5.96	25	Pn	21 03 37.5 +0.3
BRSE	Bradley Lake S	5.98	37	Pn	21 03 36.4 -0.9
BRSE	Bradley Lake S	5.98	37	P	21 03 36.6 -0.7
M14K	Betheh	5.98	341	Pn	21 03 37.6 +0.5
M13K	Dall Lake	5.99	333	Pn	21 03 38.3 +1.0
SVW2	Sparrevohn	6.05	11	Pn	21 03 38.5 +0.2
SVW2	Sparrevohn	6.05	11	P	21 03 38.8 +0.6
M17K	Holtfinn River	6.23	2	Pn	21 03 41.1 +0.4
M18K	Stony River	6.41	9	Pn	21 03 43.8 +0.7
M18K	Stony River	6.41	9	P	21 03 43.8 +0.7
L16K	Owhat River	6.59	353	Pn	21 03 46.1 +0.5
L16K	Owhat River	6.59	353	P	21 03 45.5 -0.1
L14K	Kuka Creek	6.66	340	Pn	21 03 46.8 +0.3
SEW	Seward	6.69	39	Pn	21 03 46.0 -1.0
SLKM	Skilak Lake	6.72	34	Pn	21 03 46.3 -1.2
N20K	Mount Spurr	6.73	24	Pn	21 03 47.4 -0.3
SPCR	Spurr Chakacha	6.73	24	Pn	21 03 47.2 -0.4
L15K	Ungalak Mouta	6.77	345	Pn	21 03 47.9 -0.2
L15K	Ungalak Mouta	6.77	345	P	21 03 48.1 0.0
SPNN	North Nagishla	6.77	22	Pn	21 03 49.0 +0.8
M11K	Mekoryuk	6.83	323	Pn	21 03 48.8 -0.2
L17K	Donlin	6.97	358	Pn	21 03 51.0 +0.3
L17K	Donlin	6.97	358	P	21 03 51.1 +0.3
M19K	Big River Lodg	6.98	14	Pn	21 03 51.8 +0.8
L18K	Granite Mouta	7.08	5	Pn	21 03 52.5 +0.2
STLK	Strandline Lak	7.08	24	Pn	21 03 52.1 -0.3
M20K	Styx River	7.16	18	Pn	21 03 54.8 +1.3
M20K	Styx River	7.16	18	P	21 03 54.3 +0.8
SPIA	Saint Paul Isl	7.17	291	Pn	21 03 52.9 -0.6

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L19K	White Mountain	7.19	12	P	21 03 54.3 +0.4
RC01	Rabbit Creek A	7.32	33	Pn	21 03 55.0 -0.7
RC01	Rabbit Creek A	7.32	33	Pn	21 03 55.1 -0.5
SUA	Susitna One	7.33	28	Pn	21 03 55.8 -0.1
SUA	Susitna One	7.33	28	P	21 03 55.8 -0.1
K15K	Wolf Creek Mou	7.37	347	Pn	21 03 57.1 +0.8
P23K	Montague Islan	7.41	45	Pn	21 03 57.0 +0.1
P23K	Montague Islan	7.41	45	P	21 03 57.5 +0.6
K17K	Iditarod	7.55	359	Pn	21 03 59.2 +0.5
SKT	Skwentna	7.57	23	Pn	21 03 59.2 +0.1
SKT	Skwentna	7.57	23	P	21 03 59.4 +0.2
L20K	Farewell, AK	7.60	14	Pn	21 04 00.6 +1.1
L20K	Farewell, AK	7.60	14	P	21 04 00.6 +1.1
PWL	Port Wells	7.62	38	Pn	21 03 58.7 -1.0
PWL	Port Wells	7.62	38	Pn	21 03 58.6 -1.1
M22K	Willow	7.74	29	Pn	21 04 01.4 +0.1
TTA	Tatalina	7.82	6	Pn	21 04 02.6 0.0
TTA	Tatalina	7.82	6	Pn	21 04 03.1 +0.5
TTA	Tatalina	7.82	6	P	21 04 01.9 -0.7
PMR	Palmer	7.89	32	Pn	21 04 03.4 -0.1
KNK	Knik Glacier	7.97	35	Pn	21 04 03.7 -0.9
HIN	Hinchinbrook I	8.01	45	Pn	21 04 04.2 -1.0
GLI	Glacier Island	8.08	41	Pn	21 04 04.8 -1.2
J14K	Nanvananak Lak	8.12	341	Pn	21 04 06.1 -0.4
J16K	Anvik River	8.23	351	Pn	21 04 08.7 +0.5
FUT	Port Fidalgo	8.23	43	Pn	21 04 06.1 -2.1
CID	Chulitna	8.24	26	Pn	21 04 08.0 -0.3
PPLA	Purkeypile	8.27	18	Pn	21 04 08.2 -0.5
SML	Sawmill	8.30	33	Pn	21 04 09.0 -0.1
SML	Sawmill	8.30	33	P	21 04 09.1 -0.1
J18K	Innoko River	8.32	4	Pn	21 04 09.5 +0.7
EYAK	Cordova Ski Ar	8.41	45	Pn	21 04 09.8 -0.7
EYAK	Cordova Ski Ar	8.41	45	Pn	21 04 10.5 0.0
EYAK	Cordova Ski Ar	8.41	45	P	21 04 10.1 -0.4
K20K	Telida	8.42	12	Pn	21 04 11.0 +0.2
M23K	Glacier View	8.49	35	Pn	21 04 12.0 +0.4
SCM	Sheep Creek Mo	8.65	35	Pn	21 04 13.1 -0.9
SCM	Sheep Creek Mo	8.65	35	P	21 04 13.1 -0.9
KAIM	Kayak Island	8.66	51	Pn	21 04 14.2 +0.3
KAIM	Kayak Island	8.66	51	Pn	21 04 14.7 +0.7
CAST	Castle Rocks	8.77	17	Pn	21 04 15.9 +0.4
CAST	Castle Rocks	8.77	17	P	21 04 15.5 0.0
I17K	Unalakleet	8.84	352	Pn	21 04 16.9 +0.5
GOAT	Goat Mountain	8.85	47	Pn	21 04 15.4 -1.3
J19K	Poorman	8.90	7	Pn	21 04 17.1 -0.2
KLU	Klutina	8.91	40	Pn	21 04 17.0 -0.5
WAT7	Susitna Watana	8.96	28	Pn	21 04 16.2 -2.1
WAT7	Susitna Watana	9.04	28	Pn	21 04 19.1 -0.2
WAT6	Susitna Watana	9.08	31	Pn	21 04 18.4 -1.5
BTH	Kantishna Hill	9.10	20	Pn	21 04 19.7 -0.4
BMRM	Bremner River	9.11	45	Pn	21 04 19.2 -1.0
TRF	Thorofare Moun	9.14	22	Pn	21 04 19.4 -1.3
TRF	Thorofare Moun	9.14	22	P	21 04 20.1 -0.6
CHUM	Lake Minchumim	9.16	16	Pn	21 04 21.6 +0.7
CHUM	Lake Minchumim	9.16	16	P	21 04 20.9 0.0
BERG	Berg Lake	9.19	50	Pn	21 04 21.2 -0.1
J20K	Nowitna River	9.21	10	Pn	21 04 21.9 +0.4
M24K	Tolsona, Glenn	9.23	37	Pn	21 04 22.1 +0.2
GRIN	Grille Hills	9.31	51	Pn	21 04 22.9 0.0
KHIT	Khivot Hills	9.41	50	Pn	21 04 23.9 -0.6
RND	Reindeer	9.44	26	Pn	21 04 23.1 -1.6
N25K	Chitina, Valde	9.48	42	Pn	21 04 24.9 -0.4
DHY	Denali Highway	9.56	30	Pn	21 04 26.5 -0.1
BPAW	Bear Paw Mtn.	9.59	19	Pn	21 04 26.3 -0.5
BPAW	Bear Paw Mtn.	9.59	19	P	21 04 26.5 -0.3
GCSA	Galena City Sc	9.60	3	Pn	21 04 26.5 -0.3
CRQE	Cirque	9.63	49	Pn	21 04 27.2 -0.2
MCK	McKinley	9.69	24	Pn	21 04 27.4 -0.8
H16K	Elim	9.72	349	Pn	21 04 28.3 -0.2
VRDI	Verde Repeater	9.72	46	Pn	21 04 28.9 +0.2
HARP	Harp	9.78	37	Pn	21 04 28.0 -1.4
H17K	Granite Mouta	9.83	355	Pn	21 04 30.1 +0.1
MESA	MESA	9.88	53	Pn	21 04 31.3 +0.3
ISLE	Juniper Island	9.89	50	Pn	21 04 31.2 +0.3
MCARA	McCarthy VSAT	9.98	46	Pn	21 04 33.3 +1.3
MCARA	McCarthy VSAT	9.98	46	P	21 04 32.0 0.0
H18K	Honhosa River	10.00	359	Pn	21 04 32.8 +0.5
H18K	Honhosa River	10.00	359	P	21 04 32.4 +0.1
PAX	Paxson	10.07	34	Pn	21 04 33.8 +0.4
ATKA	Atka Island	10.11	259	Pn	21 04 33.4 -0.5
ATKA	Atka Island	10.11	259	P	21 04 34.0 +0.1
GRNC	Granite Creek	10.20	50	Pn	21 04 33.8 -1.6
G15K	Niukluk	10.29	345	Pn	21 04 36.4 +0.1
TABL	Table Mountain	10.36	53	Pn	21 04 37.7 +0.3
BARN	Barnard Glacier	10.39	49	Pn	21 04 38.0 +0.1
H19K	Roundabout Mou	10.39	3	Pn	21 04 36.6 -1.1
NEA2	Nemana	10.41	22	Pn	21 04 36.1 -1.8
G17K	Kiwalik Mouta	10.43	354	Pn	21 04 37.3 -0.9
I21K	Tanana	10.44	14	Pn	21 04 37.9 -0.4
H20K	Anotleneega Mo	10.44	7	Pn	21 04 37.5 -0.9
G16K	Koyuk River	10.47			

21d 21h

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like U33K Whale Pass, I29M Ogilvie Camp, M31M Drury Creek, etc.

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Table with columns for call sign, name, frequency, mode, and other details. Includes entries like IRM Iron Mountain, YAK Yakutsk, YAK Yakutsk, etc.

1570

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARSA Arzberg, FUORN Offenpass-Fuorn, ABTA Abfattersbach, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIV LOBO, LOBO, LOBO, HCY Herceg Novi, etc.

AEIC 21 21:06:58.8±1.6, 51.03N±0.07, 178.47W±0.05, h19km, 7km, Error ellipse: s=10.3km s-min=4.8km az=193.0

BEO 21 21:48:43.0±0.6, 44.16N±1.72E, h3km±4km, ML2.2/11 RHSSO 21 21:48:44.6±0.2, 44.16N±1.78E, h2km±1km, ML2.5/19

GCG 21 21:55:47.0±0.7, 15.02N±89.46W, h13km±47km, MD4.4 CATAC 21 21:55:48.0±0.2, 14.98N±89.61W, h4km±2km, ML4.3

NEIC 21 21:06:58.1±1.5, 51.03N±0.05, 178.49W±0.05, h19km±11km, mb4.0/12, ML3.3(AEIC), Error ellipse: s-maj=8.0km s-min=4.7km az=172.0, Androanof Islands

PRU 21 21:48:45.7±4.2, 27N±17.02E, h0km az=114.0 108 km NNE of Split

SNET 21 21:55:46.3±2.0, 15.1N±0.1895W±0.04, h8km±12km, n21, c075/34, 1C, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GALAA Gareloi Lava P, GALEA Gareloi East, GANO Gareloi North, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KJVJ Kijevo, MGRS Mrkonjic Grad, MGRS Klekovaca, etc.

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

IDC 21 21:22:37.3±1.6, 7.01S±106.58E, h0km, mb3.7/4, mbmp3.7/4, MS3.0/2, Error ellipse: s-maj=29.4km s-min=15.8km az=172.0

DJA 21 21:22:37.2±0.3, 7.7S±106.66E, h10km, M3.6/7, MLV3.6/7

ISC 21 21:22:37.4±0.8, 6.73S±106.66E±0.04, h10km, n21, c135/17, mb3.6/4, Jawa

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

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

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

ASAR Alice Springs 32.27 259 P P 22 16 14.8 +0.9
GERES GERES Array B 146.36 300 PKPbc PKIKP 22 29 27.2 -0.4

IDC 21 22:25:17.0.2.5, 21:35S:168.74E, h0km, mb3.9/6,
mbmp3.9/7, ML2.9/1, MS3.2/1, Error ellipse: s-maj=96.6km
s-min=25.4km az=152.0

ISC 21 22:25:20.5.2.1, 21:35S:0.5:168.6E:0.3, h20km, n13,
o0979/13, mb3.9/6, Loyalty Islands

Code Station Name Az Az' Phase ID Time Res
DZM Mont Dzumac 2.17 250 P P 22 25 56.5 +1.0

Code Station Name Az Az' Phase ID Time Res
STKA Stephens Creek 26.29 241 LR LR 22 40 48.5

Code Station Name Az Az' Phase ID Time Res
WRA Warrungana Arr 32.09 266 P P 22 31 46.1 -0.4

Code Station Name Az Az' Phase ID Time Res
ASAR Alice Springs 32.13 259 P P 22 31 47.4 +0.5

Code Station Name Az Az' Phase ID Time Res
USRK Ussuriysk Arr. 73.34 333 P P 22 36 50.9 +0.2

Code Station Name Az Az' Phase ID Time Res
SONM Songoing Array 88.56 323 P P 22 38 11.5 -0.4

Code Station Name Az Az' Phase ID Time Res
NVAR Mina Array Bea 90.61 49 P P 22 38 20.7 -1.1

Code Station Name Az Az' Phase ID Time Res
ILAR Eielson Array 92.39 17 P P 22 38 29.9 +0.8

Code Station Name Az Az' Phase ID Time Res
ZVC Nyk Kostel 145.40 330 ePKP PKPab 22 44 57.4 +0.4

Code Station Name Az Az' Phase ID Time Res
KHC Kasperske Hory 145.90 330 ePKP PKPab 22 45 08.9 -0.3

Code Station Name Az Az' Phase ID Time Res
GERES GERES Array B 146.04 300 PKPbc PKPab 22 44 58.7 -0.9

NOU 21 22:29:24.6.1, 21:00S:169.21E, h0km, MLV3.8/4, Southeast
of Loyalty Islands

IDC 21 22:29:32.8.2.2, 20:85S:168.23E, h0km, mb3.9/4,
mbmp3.8/5, ML3.2/1, Error ellipse: s-maj=86.3km
s-min=27.8km az=146.0

ISC 21 22:29:34.5.1, 21:35S:0.2:168.5E:0.2, h20km, n17,
o0999/18, mb3.8/4, Loyalty Islands

Code Station Name Az Az' Phase ID Time Res
OUENC Ouen Island N 1.91 233 Op P 22 30 07.8 -0.8

Code Station Name Az Az' Phase ID Time Res
DZM Mont Dzumac 2.06 247 Pn P 22 30 08.9 +0.8

Code Station Name Az Az' Phase ID Time Res
ONTNC Ouen Toro 2.15 241 P P 22 30 12.1 -0.7

Code Station Name Az Az' Phase ID Time Res
NOUC Port Laguerre 2.19 248 P P 22 30 11.8 +2.0

Code Station Name Az Az' Phase ID Time Res
KOUNC Koumac, New Ca 4.10 286 P P 22 30 35.8 +1.1

Code Station Name Az Az' Phase ID Time Res
WRA Warrungana Arr 31.96 266 P P 22 32 58.5 -0.9

Code Station Name Az Az' Phase ID Time Res
ASAR Alice Springs 32.01 259 P P 22 35 60.0 +0.2

Code Station Name Az Az' Phase ID Time Res
SONM Songoing Array 88.43 323 P P 22 42 24.5 -0.8

Code Station Name Az Az' Phase ID Time Res
NVAR Mina Array Bea 90.67 49 P P 22 42 37.3 +1.2

Code Station Name Az Az' Phase ID Time Res
CONA Conrad Observa 145.49 327 ePKP PKPab 22 49 11.4 -0.2

Code Station Name Az Az' Phase ID Time Res
GERES GERES Array B 145.93 300 PKPbc PKPbc 22 49 12.2 -0.4

Code Station Name Az Az' Phase ID Time Res
ARSA Arzberg 146.11 329 ePKP PKPab 22 49 14.5 +0.7

Code Station Name Az Az' Phase ID Time Res
LESA Schwarzealot 147.42 329 iPKP PKPbc 22 49 16.3 -0.7

Code Station Name Az Az' Phase ID Time Res
ABTA Abfaltersbach 147.97 328 iPKP PKPbc 22 49 17.0 -1.5

Code Station Name Az Az' Phase ID Time Res
MOTA Moosalm 148.22 330 iPKP PKPbc 22 49 18.6 -0.6

Code Station Name Az Az' Phase ID Time Res
SANKT Quirin 148.26 330 iPKP PKPbc 22 49 18.6 -0.7

Code Station Name Az Az' Phase ID Time Res
FETA Feichten 148.63 330 iPKP PKPbc 22 49 19.6 -0.8

IDC 21 22:40:55.5.17.0.5, 5:25N:123.96E, h582km, 259km,
mb3.0/5, mbmp4.0/5, Error ellipse: s-maj=264.2km
s-min=43.8km az=60.0, Mindanao

ISC 21 22:44:40.8.0.5, 15:42S:0.05:70.43W:0.08, h200km, n57,
o1771/65, mb3.6/8, 1D, Southern Peru

Code Station Name Az Az' Phase ID Time Res
WRA Warrungana Arr 27.04 158 P P 22 45 52.5 -0.1

Code Station Name Az Az' Phase ID Time Res
ASAR Alice Springs 30.34 162 P P 22 46 21.1 0.0

Code Station Name Az Az' Phase ID Time Res
STKA Stephens Creek 40.57 157 P P 22 47 45.4 -0.2

Code Station Name Az Az' Phase ID Time Res
MKAR Makanchi Aray 54.75 326 P P 22 49 31.2 +0.1

Code Station Name Az Az' Phase ID Time Res
KURBB Kurchatov Arra 58.98 328 P P 22 49 59.7 -0.3

NEIC 21 22:44:42.0.1.9, 15:43S:0.08:70.4W:0.1, h221km, 9km,
mb4.3/9, Error ellipse: s-maj=16.1km s-min=11.4km
az=101.0

IDC 21 22:44:43.0.1.5, 15:38S:70.15W, h221km, 14km, mb3.2/6,
mbmp3.8/11, Error ellipse: s-maj=28.5km s-min=16.4km
az=79.0

ISC 21 22:44:40.8.0.5, 15:42S:0.05:70.43W:0.08, h200km, n57,
o1771/65, mb3.6/8, 1D, Southern Peru

Code Station Name Az Az' Phase ID Time Res
PB18 Visivri 2.34 157 Pn P 22 45 27.5 +4.0

Code Station Name Az Az' Phase ID Time Res
LPAZ La Paz 2.37 112 Pn P 22 45 24.2 +2.5

Code Station Name Az Az' Phase ID Time Res
LPAZ La Paz 2.37 112 Pn P 22 45 58.5 +1.0

Code Station Name Az Az' Phase ID Time Res
LPAZ La Paz 2.37 112 Pn P 22 45 26.3 +2.3

Code Station Name Az Az' Phase ID Time Res
LPAZ La Paz 2.37 112 Pn P 22 45 58.6 +1.1

Code Station Name Az Az' Phase ID Time Res
LPAZ La Paz 2.37 112 Pn P 22 45 26.5 +2.5

Code Station Name Az Az' Phase ID Time Res
AP01 Chacalluta 2.93 178 Pn P 22 45 31.6 +1.9

Code Station Name Az Az' Phase ID Time Res
AP01 Chacalluta 2.93 178 Pn P 22 45 32.0 +2.4

Code Station Name Az Az' Phase ID Time Res
AP01 Chacalluta 2.93 178 Pn P 22 46 09.0 +1.0

Code Station Name Az Az' Phase ID Time Res
PB16 IPOC Station P 3.03 163 Pn P 22 45 34.8 +3.5

Code Station Name Az Az' Phase ID Time Res
PB16 IPOC Station P 3.03 163 Pn P 22 45 34.9 +3.5

Code Station Name Az Az' Phase ID Time Res
PB16 IPOC Station P 3.03 163 Pn P 22 46 14.3 +3.4

Code Station Name Az Az' Phase ID Time Res
PB16 IPOC Station P 3.03 163 Pn P 22 46 16.6

Code Station Name Az Az' Phase ID Time Res
PB12 IPOC Station P 3.17 178 Pn P 22 45 34.6 +1.9

Code Station Name Az Az' Phase ID Time Res
PB12 IPOC Station P 3.17 178 Pn P 22 45 34.5 +1.9

Code Station Name Az Az' Phase ID Time Res
PB12 IPOC Station P 3.17 178 Pn P 22 46 12.0 -1.4

Code Station Name Az Az' Phase ID Time Res
PB12 IPOC Station P 3.17 178 Pn P 22 46 15.1

Code Station Name Az Az' Phase ID Time Res
GO01 Chuzmiza 4.38 165 Pn P 22 45 50.1 +2.2

Code Station Name Az Az' Phase ID Time Res
TA02 Huaiquique 4.83 177 Pn P 22 45 53.5 +0.5

Code Station Name Az Az' Phase ID Time Res
PB08 IPOC Station P 4.85 166 Pn P 22 45 55.5 +1.9

Code Station Name Az Az' Phase ID Time Res
TA01 Punta Aracena 5.12 177 Pn P 22 45 57.4 +0.7

Code Station Name Az Az' Phase ID Time Res
PATCX Diega Pataca 5.38 177 Pn P 22 46 00.6 +0.5

Code Station Name Az Az' Phase ID Time Res
PB01 IPOC Station P 5.65 171 Pn P 22 46 04.3 +0.5

Code Station Name Az Az' Phase ID Time Res
PB02 IPOC Station P 5.89 175 Pn P 22 46 07.5 +0.8

Code Station Name Az Az' Phase ID Time Res
PB07 IPOC Station P 6.29 175 Pn P 22 46 12.4 +0.4

Code Station Name Az Az' Phase ID Time Res
PB09 IPOC Station P 6.44 170 Pn P 22 46 14.6 +0.7

PB04 IPOC Station P 6.88 178 Pn P 22 46 19.9 +0.2

ETMB Extrema 6.93 37 Pn P 22 46 20.0 -0.2

PB06 IPOC Station P 7.29 174 Pn P 22 46 25.2 +0.2

LVC Limon Verde 7.29 169 Pn P 22 46 25.9 +0.7

LVC Limon Verde 7.29 169 Pn P 22 46 26.1 +0.9

LVC Limon Verde 7.29 169 Pn P 22 47 43.1 -5.0

PB15 IPOC Station P 7.80 173 Pn P 22 46 32.1 +0.5

SBV San Ignacio 9.03 95 Pn P 22 46 47.2 -0.4

PB14 IPOC Station P 9.16 180 Pn P 22 46 50.1 +0.7

GO02 Mina Guanaco 9.72 175 Pn P 22 46 57.5 +0.7

AC01 Pan de Azucar 10.67 181 Pn P 22 47 10.1 +1.3

AC05 El Transito 13.35 179 Pn P 22 47 44.6 +1.8

LCO Las Campanas 13.53 181 Pn P 22 47 46.8 +1.7

MCRA Macar, Loja 14.44 319 Pn P 22 47 59.3 +1.6

CO01 Juntas del Tor 14.49 179 Pn P 22 47 58.1 +1.1

BOSC San Juan Bosco 14.55 326 P P 22 48 00.3 +1.2

GO04 Tololo Oriental 14.69 181 Pn P 22 48 00.7 +1.2

CFA Coronel Fontan 16.23 173 P P 22 48 18.6 +1.2

CPUP Villa Florida 16.34 134 P P 22 48 17.7 -0.9

CPUP Villa Florida 16.34 134 P P 22 48 17.3 -1.3

MT01 Popeta 18.38 192 P P 22 48 42.2 +1.5

ITOB Itaqi 19.04 140 P P 22 48 48.4 +0.4

BOAV Boa Vista 20.24 30 P P 22 49 01.6 +0.7

ITAB Concordia 20.67 128 P P 22 49 03.8 -1.7

PLTB Pedras Altas 22.36 140 P P 22 49 22.1 -0.4

BAUV El Bau 24.32 6 P P 22 49 38.6 -1.8

BAUV El Bau 24.32 6 P P 22 49 42.1

PLCA Paso Flores 25.22 180 P P 22 49 47.5 -0.8

PLCA Paso Flores 25.22 180 P P 22 49 51.1

PLCA Paso Flores 25.22 180 P P 22 49 48.9 +0.6

TXAR Lajas Array 54.86 324 P P 22 53 51.2 +0.4

TXAR Lajas Array 54.86 324 P P 22 54 49.2 -1.2

PDAR Pinedale Array 68.15 330 P P 22 55 20.3 +0.6

SNAA Sanae 68.47 162 P P 22 55 20.5 -0.6

SNAA Sanae 68.47 162 P P 22 55 21.8

SNAA Sanae 68.47 162 P P 22 55 21.3 +0.2

TORD Torodi Arr. Bea 76.78 72 P P 22 56 08.2 -2.8

TORD Torodi Arr. Bea 76.78 72 P P 22 56 07.6 -3.3

YKA Yellowknife Arr 85.00 341 P P 22 56 52.6 -0.7

ZALV Zalesovo Beam 136.96 21 P P 23 03 31.8

WRA Warrungana Arr 137.24 215 P P 23 03 48.4 +0.2

MJAR Matushiro Arr 146.97 315 P P 23 04 00.4 +0.2

SONM Songoing Array 147.57 4 P P 23 04 02.0 +0.3

ISK 21 22:50:46.3, 40:87N:32:96E, h5km, ML2.6/19

AFI 21 22:50:47.1, 40:40:81N:32:97E, h7km, 2km, ML2.5

ISC 21 22:50:47.2.1, 40:81N:0.03:32.98E:0.02, h7km, 10km,
n30, o097/40, Turkey

Code Station Name Az Az' Phase ID Time Res
SAFT Saffranbolu 0.46 332 Op P 22 50 56.2 +0.2

Code Station Name Az Az' Phase ID Time Res
SAFT Saffranbolu 0.46 332 Op P 22 51 02.4 +0.4

Code Station Name Az Az' Phase ID Time Res
CMDR Camilidere-ANKA 0.51 228 P P 22 51 04.3 +0.5

Code Station Name Az Az' Phase ID Time Res
PELI Kastamonu-Ara 0.53 29 P P 22 50 58.4 -0.5

Code Station Name Az Az' Phase ID Time Res
PELI Kastamonu-Ara 0.53 29 P P 22 51 09.0 -0.7

Code Station Name Az Az' Phase ID Time Res
PELI Kastamonu-Ara 0.53 29 P P 22 51 09.0

Code Station Name Az Az' Phase ID Time Res
ILGA Ilgaz 0.60 69 P P 22 50 58.9 +0.1

Code Station Name Az Az' Phase ID Time Res
ILGA Ilgaz 0.60 69 P P 22 51 11.0

Code Station Name Az Az' Phase ID Time Res
ILGA Ilgaz 0.60 69 P P 22 51 12.0

Code Station Name Az Az' Phase ID Time Res
KMON Kastamonu 0.81 49 P P 22 51 02.9 +0.1

Code Station Name Az Az' Phase ID Time Res
KMON Kastamonu 0.81 49 P P 22 51 15.3 +0.4

Code Station Name Az Az' Phase ID Time Res
DEVVR Zonguldak/Devr 0.82 292 P P 22 51 03.4 -0.3

Code Station Name Az Az' Phase ID Time Res
DEVVR Zonguldak/Devr 0.82 292 P P 22 51 15.2 +0.2

Code Station Name Az Az' Phase ID Time Res
DEVVR Zonguldak/Devr 0.82 292 P P 22 51 16.0

Code Station Name Az Az' Phase ID Time Res
TOS Tosya 0.82 76 P P 22 51 02.5 -0.4

Code Station Name Az Az' Phase ID Time Res
BTIN Barin 0.97 326 P P 22 51 06.9 -0.4

Code Station Name Az Az' Phase ID Time Res
BTIN Barin 0.97 326 P P 22 51 25.0

Code Station Name Az Az' Phase ID Time Res
SEYI Kastamonu-Seyd 0.98 36 P P 22 51 06.9 -0.6

Code Station Name Az Az' Phase ID Time Res
SEYI Kastamonu-Seyd 0.98 36 P P 22 51 20.3 +0.4

Code Station Name Az Az' Phase ID Time Res
SEYI Kastamonu-Seyd 0.98 36 P P 22 51 25.0

Code Station Name Az Az' Phase ID Time Res
BOLU Bolu-Merkez-Mu 0.99 267 P P 22 51 06.0 -0.7

Code Station Name Az Az' Phase ID Time Res
BOLU Bolu-Merkez-Mu 0.99 267 P P 22 51 25.0

Code Station Name Az Az' Phase ID Time Res
BOLU Bolu-Merkez-Mu 0.99 267 P P 22 51 25.0

Code Station Name Az Az' Phase ID Time Res
YUYA Yuva-Kibiriscik 1.08 246 P P 22 51 07.4 -0.5

Code Station Name Az Az' Phase ID Time Res
YUYA Yuva-Kibiriscik 1.08 246 P P 22 51 23.8 -0.3

Code Station Name Az Az' Phase ID Time Res
DELI KIRIKKALE 1.11 139 P P 22 51 07.6 -0.8

Code Station Name Az Az' Phase ID Time Res
DELI KIRIKKALE 1.11 139 P P 22 51 25.0

Code Station Name Az Az' Phase ID Time Res
DELI KIRIKKALE 1.11 139 P P 22 51 26.0

Code Station Name Az Az' Phase ID Time Res
YIGI Dzece 1.16 277 P P 22 51 09.1 -0.6

Code Station Name Az Az' Phase ID Time Res
YIGI Dzece 1.16 277 P P 22 51 25.7 -0.4

Code Station Name Az Az' Phase ID Time Res
YIGI Dzece 1.16 277 P P 22 51 28.0

Code Station Name Az Az' Phase ID Time Res
KAGI orum-Kargi 1.18 75 P P 22 51 09.4 -0.3

Code Station Name Az Az' Phase ID Time Res
KAGI orum-Kargi 1.18 75 P P 22 51 27.7 +0.4

Code Station Name Az Az' Phase ID Time Res
KAGI orum-Kargi 1.18 75 P P 22 51 28.0

Code Station Name Az Az' Phase ID Time Res
AFSR Afar-Bala (An 1.39 177 P P 22 51 13.9 0.0

Code Station Name Az Az' Phase ID Time Res
BOYA Sinop/Boyabat 1.46 61 P P 22 51 15.1 -0.1

Code Station Name Az Az' Phase ID Time Res
BOYA Sinop/Boyabat 1.46 61 P P 22 51 35.4 +1.2

Code Station Name Az Az' Phase ID Time Res
BOYA Sinop/Boyabat 1.46 61 P P 22 51 40.0

Code Station Name Az Az' Phase ID Time Res
KAMIT Kaman 1.57 159 P P 22 51 16.1 -0.6

Code Station Name Az Az' Phase ID Time Res
SVRH Sivrihisar-ESK 1.78 179 Pn P 22 51 19.5 -0.7

Code Station Name Az Az' Phase ID Time Res
KULU Sivrihisar-ESK 1.79 179 Pn P 22 51 26.0 -1.0

Code Station Name Az Az' Phase ID Time Res
SERI Serifkocahisa

21d 23h

ISC 21 23:22:12.2.1.1, 21.26S:0.09:168.5E:0.1, h20km, n33, s-maj=31.3km, mb3.0/10, Loyalty Islands

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

IDC 21 23:33:51.4.6.5, 21.42S:168.68E, h0km, mb3.9/2, mbtmp3.9/2, Error ellipse: s-maj=268.9km

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

IDC 21 23:38:13.1.3.6, 7.07S:154.67E, h140km, 30km, mb3.8/8, mbtmp4.2/10, Error ellipse: s-maj=36.5km

ISC 21 23:38:14.3.1.1, 7.1S:0.1:154.6E:0.2, h150km, n11, s110/12, mb4.1/8, Bougainville-Solomon Islands region

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

BGR 21 23:40:53.7.24.74S:171.32E, h30km

NOU 21 23:40:57.5.21.09S:168.78E, h0km, MLV4.5/10, Loyalty

IDC 21 23:40:58.4.0.7, 21.18S:168.72E, h0km, mb4.2/12, mbtmp4.2/14, ML3.7/2, MS3.8/2, Error ellipse: s-maj=22.4km

NEIC 21 23:41:01.4.2.5, 21.26S:0.04:168.63E:0.04, h10km, 1km, mb4.6/14, Error ellipse: s-maj=6.8km

ISC 21 23:41:00.1.0.4, 21.11S:0.06:168.64E:0.06, h0km, n112, s153/101, mb4.5/20, MS3.8/19, Loyalty Islands

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

2017 NOV

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

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

BGR 21 23:42:09.1.1.1, 47.30N:6.50E, h10km, ML2.3/6, Error ellipse: s-maj=13.3km

PRU 21 23:42:10.1, 47.48N:6.40E, h10km

ZUR 21 23:42:10.6, 47.37N:6.58E, h0km, 2km, MLh2.4/81, Error ellipse: s-maj=4830.2km

LDG 21 23:42:11.3, 47.37N:6.58E, h0km, 2km, MLh2.9/32, Error ellipse: s-maj=1.1km

STR 21 23:42:11.1, 47.37N:6.58E, h0km, 2km, MLv2.7/39, Error ellipse: s-maj=0.07km

ISC 21 23:42:10.6, 47.30N:0.01:652E:0.01, h14km, 6km, n149, s190S/231, AC-7D, France

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like WILA, MRGE, MMLK, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like GRR, CKRC, ANF 21, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like PKM, DECC, DECC, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Cerro Negro, Aquila, ACON, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IL31, ILAR, MLY, etc.

FUNV 22 00:55:09.4, 10.21N-67.83W, h3km, MW3.1, 1D, Near coast of Venezuela

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

MOS 22 01:11:18.7z-1.0, 0.46N-124.32E, h85km, mb5.1/47, Error ellipse: s-maj=9.6km s-min=4.7km az=115.8

NEIC 22 01:11:21.7z-2.4, 0.42N-124.44E-0.06, h89km, 4dkm, mb5.3/128, Error ellipse: s-maj=9.6km s-min=8.2km az=197.0

GCMT 22 01:11:22.7z-0.1, 0.47N-124.46E-0.01, h106km, 1km, MW5.2/123, Moment Tensor Solution, s89, c117, s123, c210; Duration: 1.0; Moment tensor: Scale 1017 Nm; Mw: 0.38z-0.1; Mo: 0.95z-0.1; Mo: 0.56z-0.2; Mo: 0.09z-0.1; Mo: 0.26z-0.2; Mo: 0.22z-0.1; Best double couple: Mo: 86300z-1017 NP1: 320, 00000z-873, 00000z-1, 153, 00000z- NP2: 58, 00000z-865, 00000z-1, 19, 00000z- Principal axes: T 0.750, Plg31 0.000z- Azm277.000z; N 0.2770, Plg59.000z- Azm109.000z; P -1.010, Plg5.000z- Azm10.000z; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

IDC 22 01:11:23.0z-0.7, 0.54N-124.37E, h106km, 5km, mb4.6/26, m1m5z-0.29, MS3, 9/41 Error ellipse: s-maj=14.0km s-min=7.7km az=82.0

DJA 22 01:11:23.6z-0.2, 0.2Nz-12.5Ez, h87km, 5km, Ms, 2/31, mb5.4/31, mb5.7/24, MLVz5.8/25, Mw5.4/13, Mw(MB)z5.2/24, Mw(Mwp)4.9/11, Mw(Mp)5.2/11

KLM 22 01:11:24.0z-0.23N-124.59E, h112km, mb5.3, ISC 22 01:11:22.6z-0.3, 0.38N-124.44E-0.04, h103km, 2km, h104km, pP-P, n749, r1556/797, mb5.2/156, 39C-26D, Minahasa Peninsula, Sulawesi

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

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like STKI, IGBI, ABJI, etc.

AEIC 22 06:09:56.4:1.5, 52.33N:0'05:169'54W:0.05, h25km, 8km, Error ellipse: s-maj=8.0km s-min=4.5km az=175.0

NEIC 22 06:09:56.7:1.2, 52.42N:0'01:169'55W:0.04, h39km, 24km, ML3.5/8, ML3.1(AEIC), Error ellipse: s-maj=16.5km s-min=1.8km az=169.0, Fox Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CLCO Concord Point, CLES Cleveland East, NIKH Nikolski High, etc.

NEIC 22 06:30:01.0:2.8, 22.26S:0'06:67'29W:0.07, h165km, 5km, mb4.7/243, Mw4.7(GUC), Error ellipse: s-maj=10.1km s-min=8.1km az=107.0

SJA 22 06:30:00.7:1.4, 22.21S:67'23W, h150km, ML4.7, MW4.5 IDC 22 06:30:02.0:2.0, 22.17S:67'26W, h175km, 4km, mb4.3/13, mbtmp4.9/20, Error ellipse: s-maj=10.0km s-min=9.1km az=88.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AF01 San Pedro de A, LVC Limon Verde, PB09 IPOC Station P, etc.

FSA Cafayete 4.07 162 eP Pn 06 31 05.3 +1.9 PB16 IPOC Station P 4.36 333 eP Pn 06 31 08.8 +1.3 PB16 IPOC Station P 4.36 333 eP Pn 06 31 08.1 +0.5

comp-Z, 520nm, 0.5s 4.36 333 fP Pn 06 31 08.8 +1.3 PB16 IPOC Station P 4.36 333 eP Pn 06 31 09.1 +0.8 SOET ToroToro 4.37 20 Pn 06 31 59.4 +0.4 SOET IAML 06 32 08.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AOE4 Aiquele, AP01 Chacalluta, SOEJ Jacaque, etc.

IDC 22 06:19:22.5:3, 15.41S:173'47W, h0km, mb3.7/4, mbtmp3.7/4, Error ellipse: s-maj=243.2km s-min=33.5km az=136.0, Tonga Islands

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

IDC 22 06:20:32.9:0.7, 31.11S:67'68W, h31km, 5km, mb3.8/6, mbtmp3.8/9, ML3.5/3, MS2.9/1, Error ellipse: s-maj=28.4km s-min=9.3km az=129.0

SJA 22 06:20:32.2:0.9, 31.09S:67'70W, h31km, 3km, ML4.1, MW3.0

ISC 22 06:20:30.1:0.8, 31.11S:0'04:67'53W:0.04, h12km, 5km, n27, r102/38, mb4'07, San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CFA Coronel Fontan, RTLL Cerro Villucun, SJA San Juan, ZON Zonda, etc.

MOCB Mochara 1.92 59 Pn 06 30 40.0 +2.4 MOCB IAML 06 31 07.6 +2.0 MOCB IAML 06 31 13.3

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

comp-Z, 4um, 0.6s 2.06 257 fP Pn 06 30 39.8 +1.0 PB06 IPOC Station P 2.06 257 eP Pn 06 30 39.9 +1.0 PB06 IPOC Station P 2.06 257 eP Pn 06 30 39.7 +0.8

comp-Z, 4um, 0.6s 2.06 257 fP Pn 06 30 39.8 +1.0 PB06 IPOC Station P 2.06 257 eP Pn 06 30 39.7 +0.8

comp-N, 5um, 0.2s 2.14 243 Pn 06 30 40.6 +0.9 PB15 IPOC Station P 2.14 243 Pn 06 30 41.0 +1.2 PB15 IPOC Station P 2.14 243 Pn 06 30 40.4 +0.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB07 IPOC Station P, PB07 IPOC Station P, PB07 IPOC Station P, etc.

PTLB Pontes e Lacer 10.34 51 Pn 06 32 23.7 -1.8 PB16 IPOC Station P 10.34 51 eP Pn 06 32 23.5 -2.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VAO3 Santo Antonio, MECA Mercedes, AQDB Aquidauana, etc.

comp-Z, 120nm, 0.8s, baz=174, slow=11, SNR=21 06 35 30.9 -8.0

comp-Z, 10nm, 0.7s, baz=302, slow=8, SNR=3.1 06 33 09.2 -1.1

comp-Z, 12um, 0.3s 2.65 322 fP Pn 06 30 47.9 +1.9 PB08 IPOC Station P 2.65 322 eP Pn 06 31 21.9 +1.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAML Samuel, ALGR Alto Alegre, PDRB Porto dos Gac, etc.

comp-Z, 2um, 0.3s 1.82 333 eP Pn 06 21 03.1 -0.2 AGUA GUANDACOL 1.82 333 eP Pn 06 21 24.9 +0.6

comp-Z, 1um, 0.7s 2.05 331 eP Pn 06 21 08.3 -0.6 MRA San Martin 2.05 331 eP Pn 06 21 08.3 -0.6

comp-Z, 0.9nm, 0.3s, baz=173, slow=6.5, SNR=8.5 06 24 08.5 -2.2 LVC Limon Verde 2.02 135 Pn 06 24 52.8

comp-Z, 0.7nm, 0.3s, baz=194, slow=14, SNR=1.1 06 24 52.8 LVC Limon Verde 2.02 135 Pn 06 24 52.8

comp-Z, 0.4nm, 0.3s, baz=254, slow=19, SNR=2.0 06 22 52.1 -0.2 PLCA Paso Flores 9.91 193 Pn 06 25 34.3

comp-Z, 0.1nm, 0.3s, baz=242, slow=11, SNR=2.2 06 27 11.2 PLCA Paso Flores 9.91 193 Pn 06 27 11.2

comp-Z, 0.3nm, 0.3s, baz=50, slow=10.0, SNR=3.3 06 22 53.7 -1.7 CPUP Villa Florida 10.14 65 Pn 06 25 47.2 -1.1

comp-Z, 0.1nm, 0.3s, baz=233, slow=7.1, SNR=2.6 06 25 47.2 -1.1 CPUP Villa Florida 10.14 65 Pn 06 25 47.2 -1.1

comp-Z, 0.7nm, 0.3s, baz=280, slow=11, SNR=1.6 06 24 04.8 -0.6 LPAZ La Paz 3.06 327 Pn 06 24 16.4 -0.7

comp-Z, 0.5nm, 0.3s, baz=291, slow=1.8, SNR=1.1 06 24 16.4 -0.7 SIV San Ignacio 16.16 23 Pn 06 25 43.4 +2.8

comp-Z, 0.2nm, 0.4s 23.56 54 P P 06 25 43.4 +2.8 BDFB Brasilha 23.56 54 P P 06 25 43.4 +2.8

comp-Z, 2.4nm, 0.8s, baz=157, slow=8.4, SNR=3.1 06 29 45.4 +0.1 SNAA Sanae 52.86 159 P P 06 30 30.9 +0.7

comp-Z, 1.9nm, 0.9s, baz=299, slow=9.0, SNR=9.2 06 30 30.9 +0.7 GSPA South Pole Qui 59.12 180 P P 06 31 26.7 +0.4

comp-Z, 0.8nm, 0.5s, baz=128, slow=4.0, SNR=7.4 06 31 45.8 +4.1 VVDA Vanda 67.65 190 P P 06 31 45.8 +4.1

comp-Z, 0.7nm, 1.0s, baz=127, slow=5.1, SNR=3.4 06 32 28.3 -0.3 TXAR Lajitas Arr 69.25 327 pP pP 06 32 28.3 -0.3

comp-Z, 0.3nm, 0.6s, baz=152, slow=9.1, SNR=2.9 06 32 28.3 -0.3 BOSA Boshof 77.98 116 P P 06 32 28.3 -0.3

comp-Z, 3.3nm, 0.9s, baz=179, slow=11, SNR=1.9 06 32 37.4 -0.3 TORD Torodi Arr 79.62 68 P P 06 32 48.4 +2.9

comp-Z, 1.2nm, 0.8s, baz=242, slow=3.1, SNR=6.6 06 32 48.4 +2.9 TORD Torodi Arr 79.62 68 P P 06 32 48.4 +2.9

comp-Z, 1.7nm, 0.7s, baz=268, slow=3.6, SNR=5.9 06 39 29.6 -1.4 WRA Warramunga Arr 125.07 205 PKP PKPdf 06 40 15.3 -0.2

comp-Z, 4um, 0.3s 2.92 298 eP Pn 06 30 49.3 +0.4 PATCX Punta Patache 2.92 298 eP Pn 06 31 25.4 -0.4

comp-Z, 4um, 0.3s 2.92 298 eP Pn 06 30 49.3 +0.4 PATCX Punta Patache 2.92 298 eP Pn 06 31 25.4 -0.4

comp-Z, 4um, 0.3s 3.02 145 eS Sn 06 31 29.7 +1.4 SLA San Lorenzo 3.02 145 eS Sn 06 31 31.3

comp-Z, 4.42nm, 0.6s 3.03 310 Pn 06 30 50.9 +0.6 HMBC Humberstone 3.03 310 Pn 06 31 27.6 -1.0

comp-Z, 1.5um, 0.4s 3.03 310 eP Pn 06 30 50.2 0.0 HMBC Humberstone 3.03 310 eP Pn 06 30 50.2 0.0

comp-Z, 1.5um, 0.4s 3.03 310 eP Pn 06 30 50.2 0.0 HMBC Humberstone 3.03 310 eP Pn 06 30 50.2 0.0

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

comp-Z, 2um, 0.4s 3.06 327 Pn 06 30 52.5 +1.5 GO01 Chusmiza 3.06 327 Pn 06 30 52.5 +1.5

MALB	Monte Alegre	23.96	34	eP	P	06 34 59.2 -0.7
OTAV	Otavalo	24.80	333	P	P	06 35 09.9 +1.8
OTAV	Otavalo	24.80	333	P	P	06 35 09.9 +1.8
SJMB	Sao Joao De Ma	24.86	87	eP	P	06 35 06.8 -0.8
TULM	Tuico-Chaipat	24.96	335	eP	P	06 35 15.0 +5.4
FLOC	Florent	25.01	340	eP	P	06 35 17.4 +5.2
GCUF	Volcan Galeras	25.26	336	eP	P	06 35 17.4 +5.2
BOAV	Boa Vista	25.39	16	P	P	06 35 12.4 -0.5
BOAV	Boa Vista	25.39	16	eP	P	06 35 13.1 +0.2
RIB01	Linhares ES	25.41	88	eP	P	06 35 11.8 -1.3
POCP	Popayan, Colom	26.24	339	eP	P	06 35 22.3 +1.5
MCPB	Macapata	26.39	37	eP	P	06 35 21.1 +0.9
GO08	Villa O'Higgin	26.49	188	P	P	06 35 23.0 +0.5
GO08				Iamb	Iamb	06 35 28.1
GUAD1	Guaratininga, BA	26.61	83	eP	P	06 35 22.9 -1.0
JAMC	Jamundí, Valle	26.87	339	eP	P	06 35 26.8 +0.3
ORTC	Ortega, Tolima	27.09	343	eP	P	06 35 29.0 +0.8
YOTC	Yotoco, Valle	27.49	340	eP	P	06 35 35.3 +3.5
PLMC	San Jos del P	28.34	341	eP	P	06 35 39.2 -0.2
GU2V	Guyana, Caldas	28.38	343	eP	P	06 35 41.0 +0.8
SPBC	San Pablo de B	28.48	346	eP	P	06 35 40.7 +0.1
RUSC	Rusia	28.50	348	eP	P	06 35 41.1 -0.2
NORC	Norcasia	28.58	344	eP	P	06 35 41.1 -0.3
HELC	Santa Helena	29.35	343	eP	P	06 35 46.5 -2.1
PTBC	PUERTO BERRIO,	29.42	346	eP	P	06 35 46.3 -2.5
PAMC	Pampiona, CIO	29.85	349	eP	P	06 35 52.2 -0.9
ZARC	Zaragoza, Cauca	30.44	345	eP	P	06 35 56.3 +1.4
BAUV	El Baul	31.00	359	P	P	06 36 02.1 -0.6
BAUV				Iamb	Iamb	06 36 03.1
SJCC	San Jacinto, C	32.83	346	eP	P	06 36 17.2 -1.6
BCIP	Isla Barro Col	33.51	337	P	P	06 36 24.9 +0.3
BCIP				Iamb	Iamb	06 36 26.5
LCR2	La Lucha 2	35.71	331	Iamb	Iamb	06 36 47.2
JCS	Pocosol	36.55	331	Iamb	Iamb	06 36 54.8
JOTS	Las Juntas de	36.62	330	P	P	06 36 52.2 +0.9
JTS				Iamb	Iamb	06 36 54.9
ORTG	Ortega, Santa	36.92	329	Iamb	Iamb	06 36 57.4
TGUH	Teguicigalpa,Un	40.99	330	P	P	06 37 28.3 +0.6
TGUH				Iamb	Iamb	06 37 29.9
MTOS	Montecristo	42.30	327	P	P	06 37 39.5 +1.1
PMSA	Palmer Station	42.58	178	P	P	06 37 40.4 +0.5
PMSA				Iamb	Iamb	06 37 42.1
TEIG	Tepeich	46.87	333	P	P	06 38 13.8 -0.5
TEIG				Iamb	Iamb	06 38 15.3
NHSC	New Hope	56.37	347	P	P	06 39 24.6 +0.1
GOGA	Godfrey	57.42	344	P	P	06 39 31.6 -0.3
LRAL	Lakeview Retre	58.06	341	P	P	06 39 36.4 0.0
VBMS	Vicksburg	58.49	337	P	P	06 39 40.0 +0.6
KMSC	Kings Mountain	58.58	347	P	P	06 39 40.4 +0.5
VNA3	Neumayer Olymp	58.93	161	P	P	06 39 42.9 +0.9
833A	Chaparral WMA,	58.99	327	P	P	06 39 43.6 +0.7
VNA1	Neumayer-Stat	59.12	161	P	P	06 39 44.7 +1.4
X48A	Hartselle	59.39	341	Iamb	Iamb	06 39 46.3
VNA2	Neumayer-Watz	59.49	161	P	P	06 39 46.7 +0.9
CPCT	Cooper Cave	59.62	344	Iamb	Iamb	06 39 48.0
TKL	Tuckaleehee C	59.63	345	Iamb	Iamb	06 39 48.0
NATX	Nacogdoches	59.70	333	P	P	06 39 48.8 +1.1
SWET	Sewanee	59.78	342	P	P	06 39 48.2 0.0
HNDO	Hondo	59.92	328	Iamb	Iamb	06 39 50.8
PLAL	Pickwick Lake	60.20	340	Iamb	Iamb	06 39 51.7
BLAL	Blacksburg	60.39	348	P	P	06 39 53.2 +0.9
TZTN	Tazewell	60.42	345	P	P	06 39 53.2 +0.6
DRIO	Del Rio	60.51	327	Iamb	Iamb	06 39 54.5
V48A	Smith Brothers	60.52	342	Iamb	Iamb	06 39 54.0
CLTN	Cedars of Leba	60.71	342	Iamb	Iamb	06 39 55.2
JCT	Junction City	60.96	328	P	P	06 39 57.2 +0.9
WHXT	Lake Whitney,	61.12	331	P	P	06 39 58.0 +0.7
SNA4	Sanae	61.13	161	P	P	06 39 57.9 +0.9
SNA4	Sanae	61.13	161	P	P	06 39 57.6 +0.7
SNA4	Sanae	61.13	161	P	P	06 39 57.6 +0.7
WWT	Waverly	61.18	341	P	P	06 39 57.1 -0.6
WWT				Iamb	Iamb	06 39 57.9
WWT				P	P	06 39 57.3 -0.3
BRDY	Brady	61.24	329	Iamb	Iamb	06 39 59.3
SAND	Sanderson	61.71	326	Iamb	Iamb	06 40 03.1
MIAR	Mount Ida	61.71	336	Iamb	Iamb	06 40 02.3
MIAR	Mount Ida	61.71	336	P	P	06 40 01.7 +0.5
T47A	Sharon Grove	61.77	342	Iamb	Iamb	06 40 02.1
OZNA	Ozona	61.98	327	Iamb	Iamb	06 40 04.4
TXAR	Lajitas Array	62.04	324	P	P	06 40 04.2 +0.5
TX31	Lajitas Ar. Si	62.04	324	Iamb	Iamb	06 40 44.3
PBMO	Poplar Bluff	62.59	339	Iamb	Iamb	06 40 08.8
ABTX	Abilene, Hawle	62.65	330	Iamb	Iamb	06 40 08.9
ABTX	Abilene, Hawle	62.65	330	P	P	06 40 08.4 +0.8
MCWV	Mont Chateau	62.66	349	P	P	06 40 07.5 0.0
WCI	Wyandotte Cave	62.71	343	P	P	06 40 07.2 -0.6
ALPN	Alpine	62.84	325	Iamb	Iamb	06 40 11.3
TROLL	Troll, Antarti	62.84	161	P	P	06 40 09.4 +0.9
WTF5	Witchita Falls	63.06	331	P	P	06 40 10.3 +0.1
WTF5				Iamb	Iamb	06 40 11.5
P52A	Corning	63.07	347	P	P	06 40 10.2 0.0
MNHN	Monaans	63.14	326	Iamb	Iamb	06 40 12.4
HHAR	Hobbs	63.38	336	Iamb	Iamb	06 40 13.2
SN01	Snyder	63.44	329	Iamb	Iamb	06 40 13.9
APMT	Aspermont	63.45	330	P	P	06 40 13.5 +0.6
APMT				Iamb	Iamb	06 40 14.1
O53A	New Philadelphia	63.48	348	P	P	06 40 13.4 +0.6
P49A	Miami Univ. Ec	63.55	345	P	P	06 40 13.1 -0.1
MGMO	Mountain Grove	63.55	338	Iamb	Iamb	06 40 13.9
ODSA	Odessa	63.66	327	Iamb	Iamb	06 40 15.2
FVM	French Village	63.69	340	Iamb	Iamb	06 40 15.0
PECS	Pecos	63.74	325	Iamb	Iamb	06 40 23.0

TUL3	Leonard	63.77	335	P	P	06 40 15.1 +0.2
ACSO	Alum Creek Sta	63.82	347	P	P	06 40 15.8 +0.7
425A	Indio Mountain	63.88	324	Iamb	Iamb	06 40 17.4
POST	Post	63.90	328	Iamb	Iamb	06 40 18.4
CCM	Cathedral Cave	64.02	339	P	P	06 40 16.6 +0.1
CCM				Iamb	Iamb	06 40 17.0
CCM	Cathedral Cave	64.02	339	P	P	06 40 16.5 +0.1
WMOK	Wichita Mounta	64.02	332	P	P	06 40 16.3 -0.2
O48B	Farmland	64.34	345	P	P	06 40 18.1 -0.4
OK029	Liberty Lake	64.35	333	Iamb	Iamb	06 40 19.4
S39A	Bolivar	64.41	337	Iamb	Iamb	06 40 19.9
R40A	Maddies Statio	64.58	339	Iamb	Iamb	06 40 20.3
MINX	Cornudas Mount	64.80	325	P	P	06 40 22.0 +0.3
T35A	Sooner Cattle	64.93	335	Iamb	Iamb	06 40 24.3
RW5D	Maddies Statio	64.98	331	Iamb	Iamb	06 40 24.0
ERPA	Erie	65.08	350	P	P	06 40 23.9 +0.7
MXST	Muleshoe	65.25	328	P	P	06 40 25.1 +0.5
AMTX	Amarillo	65.47	329	Iamb	Iamb	06 40 26.6
AMTX	Amarillo	65.47	329	P	P	06 40 26.6 +0.6
OK032	Salt Plains WL	65.53	333	Iamb	Iamb	06 40 27.3
KAN09	Caldwell North	65.57	334	Iamb	Iamb	06 40 27.8
P40A	Paris	65.62	339	Iamb	Iamb	06 40 27.1
KAN08	Argonia West S	65.76	334	Iamb	Iamb	06 40 29.2
KAN08	Anthony Nest E	65.79	334	Iamb	Iamb	06 40 28.9
P38A	Dawn	66.21	338	Iamb	Iamb	06 40 31.2
319A	Douglas	66.73	322	Iamb	Iamb	06 40 37.2
121A	Cookes Peak, D	66.75	323	Iamb	Iamb	06 40 37.2
121A	Cookes Peak, D	66.75	323	P	P	06 40 35.9 +1.6
PKME	Peaks-Kenny Pk	67.20	359	P	P	06 40 38.0 +1.4
RTBA	Rita Blanca	67.23	330	Iamb	Iamb	06 40 40.7
LIC	Lamto	67.26	731	eP	P	06 40 36.7 -1.0
TUC	Tucson	67.46	721	eP	P	06 40 38.5 -0.5
KIC	Kosan Boka	67.58	731	eP	P	06 40 38.9 -0.8
DBIC	Dimbokro	67.61	72	P	P	06 40 39.5 -0.4
DBIC	Dimbokro	67.61	72	P	P	06 40 39.2 -0.7
CBKS	Cedar Bluff	67.87	333	P	P	06 40 42.4 +1.3
ANMO	Albuquerque	67.88	326	P	P	06 40 42.8 +1.4
ANMO				Iamb	Iamb	06 40 43.8
ANMO	Albuquerque	67.88	326	P	P	06 40 42.9 +1.5
QSPA	South Pole Qui	67.96	180	P	P	06 40 42.8 +1.4
QSPA	South Pole Qui	67.96	180	P	P	06 40 42.7 +1.4
SCIA	State Center	68.15	340	P	P	06 40 42.6 0.0
JFWS	Jewell Farm	68.16	342	P	P	06 40 42.5 -0.2
TUC	Tucson	68.28	321	P	P	06 40 45.0 +1.3
TUC				Iamb	Iamb	06 40 46.5
TUC	Tucson	68.28	321	P	P	06 40 45.5 +1.7
T25A	Trinidad	68.59	329	Iamb	Iamb	06 40 48.2
T25A	Trinidad	68.59	329	P	P	06 40 47.6 +1.8
214A	Organ Pipe Nat	69.22	320	P	P	06 40 51.5 +1.9
KSCO	Kaye Sheddock	69.28	331	P	P	06 40 50.9 +1.0
BGNE	Belgrade	69.45	336	P	P	06 40 51.7 +1.0
SDCO	Great Sand Dun	69.60	329	P	P	06 40 53.4 +1.3
SDCO				Iamb	Iamb	06 40 54.5
X16A	Lo Mia Camp, P	70.19	322	Iamb	Iamb	06 40 58.6
S22A	4UR Ranch, Cr	70.25	328	P	P	06 40 57.2 +1.1
S22A	4UR Ranch, Cr	70.25	328	P	P	06 40 57.9 +1.8
OGNE	Ogallala	70.62	333	P	P	06 40 59.3 +1.4
VTX	Valle De La Tr	70.66	317	Iamb	Iamb	06 41 01.4
MVCO	Mesa Verde	70.68	326	Iamb	Iamb	06 41 01.1
MVCO	Mesa Verde	70.68	326	P	P	06 41 00.3 +1.7
Y14A	Wickenburg	70.74	321	Iamb	Iamb	06 41 01.5
ECSO	EROS Data Cent	70.91	338	P	P	06 41 00.3 +0.7
WUAZ	Wupatki	70.95	323	Iamb	Iamb	06 41 03.3
WUAZ	Wupatki	70.95	323	P	P	06 41 02.3 +2.1
SPMN	Marine St	71.02	341	Iamb	Iamb	06 41 00.7
SPMN	Marine on S	71.02	341	P	P	06 41 00.4 +0.2
ISCO	Idaho Springs	71.28	330	P	P	06 41 03.8 +1.6
BRIGG	Briggsdale	71.31	331	Iamb	Iamb	06 41 05.0
SMCO	Snowmass	71.44	329	P	P	06 41 02.8 -0.5
SMCO				Iamb	Iamb	06 41 06.1
PDMCI	Parker Dam,Lak	71.67	321	P	P	06 41 05.8 +1.6
IKP	In-Ko-Fah, Jac	71.71	318	P	P	06 41 06.5 +1.8
SWSC	San W. Stewart	71.72	319	P	P	06 41 06.8 +2.2
BC3	Big Chuckwall	72.00	319	P	P	06 41 08.4 +1.9
MONP2	Monument Peak	72.07	318	P	P	06 41 09.0 +2.0
U15A	North Rim	72.12	323	Iamb	Iamb	06 41 10.7
IRM	Iron Mountain	72.16	320	P	P	06 41 09.2 +1.9
N23A	Red Feather La	72.30	330	Iamb	Iamb	06 41 10.7
N23A	Red Feather La	72.30	330	P	P	06 41 09.9 +1.6
SUSD	Miller	72.36	337	P	P	06 41 09.5 +1.2
PHWY	Pilot Hill	72.40	325	Iamb	Iamb	06 41 12.1
HMU	Hilly Hill	72.41	331	Iamb	Iamb	06 41 11.2
PMD	Palm Desert	72.56	319	P	P	06 41 09.7 +0.1
BELE	Belle Mtn. Jos	72.56	319	P	P	06 41 11.7 +1.9
TPFO	Pine Flats	72.5				

22d 6h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, Time, Res, ISC. Includes stations like MSO Missoula, K05A Summer Lake, B05A Boshof, etc.

PGC 22 06:34:11.6-3.0, 49.44N-116.96W, h5km, ML3.2, ML2.9/5, 86km west of Cranbrook, Bc British Columbia, Canada
BUT 22 06:34:11.6-2.2, 49.42N-104.116.86W, 0.09, h4km, 7km, Error ellipse: s-maj=8.4km s-min=5.3km az=87.0

OTT 22 06:34:11.6-3.0, 49.44N-104.116.96W, 0.09, h5km, 7km, Error ellipse: s-maj=0.0km s-min=0.0km az=176.0

NEIC 22 06:34:12.2-2.7, 49.42N-104.116.94W, 0.06, h5km, 2km, ML3.1/30, ML2.9(OTT), ML2.8(BUT), Error ellipse: s-maj=7.5km s-min=6.3km az=51.0

ISC 22 06:34:11.9-1.6, 49.34N-117.01W, 0.04, h2km, 13km, 1411-185247, British Columbia

Main table with columns: Code, Station Name, Az, Az', Phase, ID, Op, Time, Res, ISC. Lists numerous stations and their associated data.

AEIC 22 06:48:58.2-2.2, 52.69N-107.168.32W, 0.08, h44km, 6km, Error ellipse: s-maj=11.6km s-min=4.7km az=150.0
IDC 22 06:48:59.2-3.0, 52.82N-168.43W, h44km, 27km, mb4.1/27,

2017 NOV

mbmp4.3/29, ML4.5/2, MS3.5/26, Error ellipse: s-maj=17.8km s-min=11.1km az=179.0
NEIC 22 06:48:59.2-3.2, 52.65N-107.168.30W, 0.07, h49km, 8km, mb4.4/14, ML4.4/10, ML4.2(AEIC), Error ellipse: s-maj=11.7km s-min=2.7km az=149.0
ISC 22 06:48:58.5-0.9, 52.65N-107.168.26W, 0.04, h44km, 7km, n241, s1962/188, mb4.4/54, MS3.6/26, 4D, Fox Islands

Main table with columns: Code, Station Name, Az, Az', Phase, ID, Op, Time, Res, ISC. Lists numerous stations and their associated data.

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Main table with columns: Code, Station Name, Az, Az', Phase, ID, Op, Time, Res, ISC. Lists numerous stations and their associated data.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MAJO Matushiro, MDJ Mudjanjing, RDMU Red Mountain, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PYUN Piuthan, GEYT Albeck, CTA Charters Tower, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BVAR Borovoye Arr, BRG Berggiesshubel, CLL Collim, etc.

Northern Colombia						
Code	Station Name	Δ°	AZ $^{\circ}$	Phase ID	Time	Res
				Op	h m s	ISC
BARC	Barichara	0.20	182	eP	07 34 41.1	-0.7
BARC				eS	07 34 57.0	-0.5
BARC				i	07 34 59.7	
comp=Z,4.0nm,0.5s						
BARC	Barichara	0.20	182	eP	07 34 41.1	-0.7
BARC				eS	07 34 57.0	-0.5
BARC				i	07 34 59.7	
comp=Z,4.0nm,0.5s						
PAMC	Pamplona, Colo	0.72	41	eP	07 34 44.0	-0.3
PAMC				eP	07 34 44.0	-0.3
RUSC	La Rusia	0.90	174	eP	07 35 04.3	-0.2
RUSC				eS	07 35 04.3	-0.2
RUSC				i	07 35 05.8	
comp=Z,1.2nm,0.3s						
RUSC	La Rusia	0.90	174	eP	07 34 45.2	-0.4
RUSC				eS	07 35 04.3	-0.2
RUSC				i	07 35 05.8	
comp=Z,1.2nm,0.3s						
PTBC	PUERTO BERRIO, 1.30	259	eP	07 34 48.1	-0.5	
PTBC				eS	07 35 09.3	-0.4
PTBC				i	07 35 14.0	
comp=Z,0.9nm,0.4s						
PTBC	PUERTO BERRIO, 1.30	259	eP	07 34 48.1	-0.5	
PTBC				eS	07 35 09.3	-0.4
PTBC				i	07 35 14.0	
comp=Z,0.9nm,0.4s						

NOU 22:07:42:51.6,36:13S:-177:63E,h0km,MLV5.2/15,Off E.
 Coast of N. Island, N. Z.
 IDC 22:07:42:52.9,0.6,36:12S:-177:76E,h0km,mb4.5/17,
 mbmp4.4/17,MS4.7/48,Error ellipse: s-maj=23.2km,
 s-min=16.6km az=54.0
 MOS 22:07:42:55.1,2.0,36:36S:-177:34E,h10km,mb5.4/19,
 MS5.0/6,Error ellipse: s-maj=11.5km s-min=10.0km
 az=97.9
 WEL 22:07:42:57.7,36:17S:-177:71E,h40km,27km,M4.7/16,
 ML4.9/16,MLV4.7/16,Error ellipse: s-maj=0.0km
 s-min=0.0km az=175.2,confirmed
 NEIC 22:07:42:58.6,2.8,36:58S:0.06:-177:51E,0:07,h16km,1km,
 mb5.2/58,Ms_20.5,1/67,Mwv5.5/33,Error ellipse:
 s-maj=9.7km s-min=8.4km az=150.0
 NEIC 22:07:42:58.7,38:18S:-177:39E,h18km,Moment Tensor
 Solution. Duration: 266 Moment tensor: Scale 1017Nm;
 M₁-0.23; M₂1.77; M₃-1.54; M₄1.02; M₅0.11; M₆-0.48;
 Fault plane solution: N1.98000x1017 NP1:
 0.131,55000.0,889.55000.0,32.96000.0 NP2:
 0.113,55000.0,889.55000.0,32.96000.0 NP3:
 0.113,55000.0,889.55000.0,32.96000.0
 Principal axes: T 2.1987,
 Plg23.0000, Azm1.0000, N -0.4464, Plg57.0000,
 Azm132.0000, P -1.7523, Plg22.0000, Azm261.0000;
 NEIC 22:07:42:58.7,36:58S:-177:51E,h16km
 GCMT 22:07:42:59.6,0.1,36:19S:0.01:-177:49E,0:01,h15km,
 MW5.4/15,Moment Tensor Solution. s107,c172;
 s145,c256. Duration: 192 Moment tensor: Scale 1017
 Nm; M₁-0.02; M₂1.62; M₃0.02; M₄-1.54; M₅0.02;
 M₆-0.05; M₇0.03; M₈0.02; M₉0.06; M₁₀0.03; Best double
 couple: M₁1.58200x1017 NP1:0.135,00000.0,890.00000.0,
 3.00000.0 NP2:0.225,00000.0,887.00000.0,
 -1.80,00000.0. Principal axes: T 1.6220, Plg2.0000,
 Azm180.0000, N -0.0800, Plg87.0000, Azm308.0000;
 P -1.5420, Plg2.0000, Azm90.0000, nsta1 refers to
 body waves, cutoff=40s. nsta2 refers to surface waves,
 cutoff=50s. Triangular moment-rate function

ISC 22:07:42:57.5,0.7,36:50S:0.03:-177:44E,0:03,h12km,4km,
 h1km;pP-N,482,-197/408,mb5.2/80,MS5.0/6,22C-4D,
 Off east coast of North Island

Code	Station Name	Δ°	AZ $^{\circ}$	Phase ID	Time	Res
				Op	h m s	ISC
WSRZ	White Island S	1.04	192	P	07 43 17.7	-0.2
WSRZ				S	07 43 34.9	+2.5
WIZ	White Island	1.05	191	P	07 43 17.6	-0.1
WIZ				S	07 43 34.9	+2.5
MXZ	Matakaoa Point	1.27	147	P	07 43 19.1	-2.0
MXZ				Pn	07 43 19.1	-2.0
MXZ	Matakaoa Point	1.27	147	P	07 43 18.7	-2.4
MXZ				Sg	07 43 36.7	-1.7
HAZ	Te Kaha	1.29	168	P	07 43 20.1	-1.3
HAZ				Sg	07 43 32.2	+3.2
KUZ	Kuaotunu	1.41	259	P	07 43 20.7	-2.2
KUZ				Pn	07 43 20.5	-2.4
KUZ				Sn	07 43 39.4	-1.9
OPRZ	Ohinepanea	1.52	207	P	07 43 25.1	-0.5
WVGZ	Waioamatatini S	1.53	150	P	07 43 24.2	-0.5
WVGZ				Sg	07 43 52.7	+5.8
TGRZ	Tauranga	1.55	217	P	07 43 25.2	+0.3
GRZ	Great Barrier	1.62	278	P	07 43 22.8	-3.0
GRZ				Sn	07 43 45.2	-1.3
EDRZ	Edgecumbe	1.70	199	P	07 43 27.9	-0.9
EDRZ				Pb	07 43 27.9	-0.9
TRWZ	Tauwharepareae	1.73	166	P	07 43 29.2	-0.1
URZ	Urewera	1.78	188	P	07 43 29.2	-0.8
URZ				Pb	07 43 28.7	-1.3
KARZ	Kaharoa	1.80	212	P	07 43 29.4	+1.1
KMRZ	Kaimata	1.80	221	P	07 43 29.0	+0.6
MKRZ	Makatiti	1.81	209	P	07 43 29.2	+0.3
MWZ	Matawai	1.84	178	P	07 43 29.2	+0.3
WIAZ	Waiheke Island	1.89	260	P	07 43 27.6	-1.8
NGRZ	Ngongotaha	1.88	212	P	07 43 31.0	-0.9
TARZ	Mount Tarawera	1.89	203	P	07 43 31.5	-0.4
MAKZ	Moumaki	1.93	251	S	07 43 58.0	+1.5
MAKZ				Sb	07 43 32.4	-0.5
UTU	Utuhina	1.95	210	P	07 43 32.4	-0.5
TKGZ	Te Karaka	1.97	171	P	07 43 33.0	-0.3
TOZ	Tahuroa Road	1.98	231	Pn	07 43 31.2	+0.4
TOZ				P	07 43 30.9	+0.1
RAGZ	Raurimu	2.00	259	P	07 43 32.2	-0.5
HSRZ	Hossack Road	2.05	207	P	07 43 33.9	-0.7
MUGZ	Murupara	2.05	195	P	07 43 33.1	-1.6
MBAZ	Motutapu North	2.06	262	P	07 43 30.5	-1.4
ETAZ	East Tamaki Re	2.07	256	P	07 43 31.3	-0.8
CAGZ	Carnagh Statio	2.08	163	P	07 43 34.5	-0.6
ABAZ	Army Base	2.10	206	P	07 43 34.4	-1.1
HRZ	Handcock Road	2.10	206	P	07 43 33.7	+0.5
RTZ	Ruatuhuna	2.15	190	P	07 43 34.1	+0.9
RTZ				Pb	07 43 35.0	-1.7
PRRZ	Plateau Road	2.17	202	P	07 43 33.2	-0.6
EPAZ	Eden Park BICE	2.20	259	P	07 43 33.1	-0.8
HBAZ	Herne Bay Bore	2.22	173	P	07 43 36.6	-0.9
RIGZ	Rimuhau	2.22	173	P	07 43 36.6	-0.9
ALRZ	Allen Road	2.24	203	P	07 43 39.5	-0.9
WPRZ	Whakapapatarini	2.26	206	P	07 43 40.1	-0.7
SNRZ	Shannon Statio	2.28	182	P	07 43 36.8	-1.9
AWAZ	Awhitu Peninsula	2.32	262	P	07 43 34.5	-0.9
RAVZ	Riverhead Bore	2.32	262	P	07 43 34.5	-0.9
WTAZ	Waiaitara	2.34	258	P	07 43 35.3	-0.5
KTZ	Kaahu Road	2.37	212	P	07 43 37.7	+1.6
TULZ	Tolley Road	2.38	219	P	07 43 37.4	+1.1
MTHZ	Maungataniwha	2.40	191	P	07 43 38.0	+1.3
RAHZ	Rahi	2.43	268	P	07 43 38.2	+2.4
PRGZ	Paritui Road	2.45	172	P	07 43 39.3	-2.2
MRHZ	Matea Rd	2.47	199	P	07 43 41.2	-0.7
KNZ	Kokohu	2.53	176	P	07 43 40.2	-2.6
WCZ	Waipu Caves	2.56	229	P	07 43 35.9	-2.9
WHHZ	Whihua	2.58	184	P	07 43 42.2	-1.0
WATZ	Waikare	2.59	208	P	07 43 45.1	+1.2
HATZ	Hinemaiaia	2.62	204	P	07 43 45.7	+1.4
NMHZ	Naumai	2.65	191	P	07 43 43.1	-1.8
MHZZ	Mahia Peninsula	2.68	172	P	07 43 42.1	+1.7
RAHZ	Rangitukua	2.71	209	P	07 43 44.2	-1.7
BKZ	Black Stump Fm	2.77	195	P	07 43 43.2	+1.4
BKZ	Black Stump Fm	2.77	195	P	07 43 43.2	+1.4
BKZ	Black Stump Fm	2.77	195	P	07 43 43.1	+1.4
RITZ	Rihia Road	2.78	206	P	07 43 47.2	+0.1
ARHZ	Aroapanui	2.79	187	P	07 43 45.2	-1.9
KATZ	Kakarama	2.82	208	P	07 43 47.0	+1.1
HIZ	Hauti	2.88	225	Pn	07 43 44.8	+1.6
HIZ				P	07 43 44.9	+1.8
HIZ				P	07 43 44.3	+1.1
NVZ	North Tongarir	2.95	208	P	07 43 48.4	-1.7
TMVZ	Te Maari	2.96	207	P	07 43 47.0	+2.7
KRVZ	Karewarewa	2.96	208	P	07 43 49.1	+1.1
ETVZ	East Tongarir	2.97	207	P	07 43 48.4	-2.0

WTVZ	West Tongarir	3.00	209	P	07 43 48.5	-2.4
MCHZ	McNeill Hill	3.00	191	P	07 43 48.2	-2.6
NNVZ	North Ngauruho	3.00	208	P	07 43 48.2	-2.8
OTVZ	Oturere	3.01	207	P	07 43 48.1	+3.0
TWVZ	Taurewa	3.02	211	P	07 43 47.3	+2.0
KWVZ	Kawaka Forest	3.03	217	P	07 43 47.2	+2.1
SNVZ	South Ngauruho	3.04	207	P	07 43 48.8	-2.8
NGVZ	Ngauruhoe	3.05	208	P	07 43 49.8	-1.9
COVZ	Chateau Observ	3.09	209	P	07 43 51.1	-1.3
TUVZ	Tuvalu	3.11	206	P	07 43 50.8	-1.9
FWVZ	Far West T-bar	3.13	208	P	07 43 51.4	-1.8
MWVZ	Mataranga Hut	3.14	207	P	07 43 51.5	-1.9
WHVZ	Whangape Hut	3.14	207	P	07 43 51.5	-1.9
CKHZ	Cape Kidnapper	3.17	185	P	07 43 49.4	+2.2
TRVZ	Turoa	3.17	208	P	07 43 51.9	-2.0
WVZ	Wahanoa	3.18	207	P	07 43 50.8	-3.2
GHVZ	Black Hill Sta	3.19	208	P	07 43 49.6	+2.1
MOVZ	Moswango	3.20	204	P	07 43 50.4	+2.7
PKVZ	Pokaka	3.24	210	P	07 43 52.5	-2.5
KRVZ	Kereru	3.25	195	P	07 43 51.4	+3.1
MTVZ	Mangateitei	3.28	208	P	07 43 54.7	-0.9
KAHZ	Kahurangi	3.32	188	P	07 43 51.4	+2.1
OUZ	Omahuta	3.37	199	P	07 43 45.8	-4.1
OUZ	Omahuta	3.37	211	P	07 43 45.8	-4.1
VRZ	Veru Road	3.38	218	P	07 43 52.3	+2.3
PNHZ	Pukeni	3.55	196	P	07 43 54.6	+2.2
PNXZ	Panui	3.56	187	P	07 43 53.7	+1.2
WHVZ	Whangape	3.57	223	P	07 43 55.8	+3.2
WVZ	Waikuru	3.65	198	P	07 43 57.3	+3.6
DREZ	Durham Road	3.71	223	P	07 43 57.7	+3.0
TSZ	Takapari Road	3.74	198	P	07 43 57.1	+2.1
WAZ	Wanganui	3.79	210	P	07 44 00.5	-3.7
LRZ	Lake Rotokare	3.81	218	P	07 43 59.3	+3.3
BRVZ	Botany Road	3.82	216	P	07 44 01.3	+0.4
NRVZ	North Egmont	3.83	223	P	07 43 59.1	+2.8
PKE	Pukeitei	3.84	224	P	07 43 58.6	+2.3
PREZ	Palmer Road	3.85	2			

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
HFS	baz=260,slow=37	Lg	Lg		09 10 16.5		
SNART	Snartemo	2.01 223	eP	Pn	09 09 47.7 +0.2		
SNART			eP	Pb	09 09 49.8 +0.1		
SNART			eS	Pb	09 10 11.3 -2.0		
SNART			eSg	Sb	09 10 15.4 +0.1		
SNART			IAML		09 10 17.9		
comp=Z,123nm,0.2s							
SNART	Snartemo	2.01 223	iP	Pn	09 09 47.0 -0.5		
SNART			iS	Pn	09 10 13.2 -0.1		
SNART			iS	Pn	09 09 48.1 +0.4		
TJOU	Tjoern	2.03 152	iS	Sn	09 10 12.7 -1.0		
TJOU			iS	Sn	09 09 48.0 +0.4		
TJOU			iS	Sn	09 09 48.1 +0.4		
TJOU			iS	Sn	09 10 10.8 -3.0		
TJOU			iS	Sn	09 10 12.7 -1.0		
TJOU	Tjoern	2.03 152	eP	Pn	09 09 48.1 +0.4		
TJOU			eS	Pn	09 10 12.7 -1.0		
HYA	Hoyanger	2.24 308	eP	Pn	09 09 50.7 +0.1		
HYA			eP	Pb	09 09 53.2 -0.5		
HYA			eSg	Sb	09 10 22.8 +0.8		
HYA			IAML		09 10 30.0		
comp=Z,47nm,0.4s							
HYA	Hoyanger	2.24 308	Pn	Pb	09 09 51.2 +0.5		
HYA			Pg	Pb	09 09 53.4 -0.3		
HYA			Lg	Pn	09 10 22.2		
DOMB	Dombas	2.25 351	eP	Pn	09 09 48.3 +0.4		
DOMB			eSg	Sb	09 10 22.8 +0.5		
DOMB			IAML		09 10 24.8		
comp=Z,109nm,0.1s							
DOMB	Dombas	2.25 351	Pn	Pb	09 09 52.9 -1.0		
DOMB			Lg	Pn	09 10 26.7		
BER	Bergen	2.31 286	eP	Sn	09 10 19.4 -1.4		
BER			eSg	Sb	09 10 25.1 +1.1		
BER			iS	Pn	09 10 32.7		
BER			IAML		09 10 33.9		
comp=Z,70nm,0.4s							
ASK	Askoy	2.40 288	eP	Pn	09 09 53.1 +0.3		
ASK			iS	Pn	09 09 56.7		
ASK			iS	Pn	09 10 22.5		
ASK			IAML		09 10 37.4		
comp=Z,87nm,0.4s							
KMY	Karmoy	2.41 257	eP	Pn	09 09 53.1 +0.1		
KMY			eS	Sn	09 10 22.0 -1.2		
KMY			IAML		09 10 28.4		
comp=Z,29nm,0.2s							
KMY	Karmoy	2.41 257	Pn	Pb	09 09 53.2 +0.3		
KMY			Pg	Pb	09 09 56.3 +0.3		
KMY			Lg	Pn	09 10 21.9 -1.2		
KMY			Lg	Pn	09 10 26.7		
FKPU	Falk	2.62 128	P	Sn	09 09 56.3 +0.4		
FKPU			S	Pn	09 10 28.0 -0.4		
FKPU			S	Pn	09 09 56.3 +0.4		
FKPU			S	Pn	09 10 28.0 -0.4		
FKPU			eS	Pn	09 09 56.3 +0.4		
FKPU			eS	Pn	09 10 28.0 -0.4		
ONAU	Onsala	2.67 155	P	Pn	09 09 57.0 +0.5		
ONAU			S	Pn	09 10 27.6 -2.0		
ONAU			S	Pn	09 10 27.6 -2.0		
ONAU			eS	Pn	09 09 57.1 +0.3		
ONAU			eS	Pn	09 10 27.6 -2.0		
BORU	Boraas	2.68 144	P	Pn	09 09 57.1 +0.3		
BORU			P	Pn	09 09 57.1 +0.3		
BORU			iS	Pn	09 10 28.3 -1.6		
BORU			iS	Pn	09 09 57.1 +0.3		
BORU			eP	Pn	09 09 58.5 +1.1		
AKN	Aaknes	2.73 331	Pn	Pb	09 10 01.3 -0.7		
AKN			Pg	Pb	09 10 36.1 +0.1		
AKN			Sg	Sb	09 10 39.4		
AKN			IAML		09 10 39.4		
comp=Z,61nm,0.4s							
AKN	Aaknes	2.73 331	Pn	Pb	09 09 58.5 +1.1		
AKN			Pg	Pb	09 10 01.3 -0.7		
AKN			Lg	Pn	09 10 46.1		
SUE	Sulen	2.79 298	eP	Pn	09 09 58.2 0.0		
SUE			eP	Pb	09 10 02.4 -0.6		
SUE			eS	Sn	09 10 30.5 -2.1		
SUE			IAML		09 10 42.9		
comp=Z,25nm,0.4s							
FOO	Flo	2.94 309	eP	Pn	09 09 59.1 -1.2		
FOO			eP	Pb	09 10 04.8 -0.8		
FOO			eS	Sb	09 10 34.0 -2.2		
FOO			eSg	Sb	09 10 42.8 +0.7		
FOO			IAML		09 10 48.1		
comp=Z,25nm,0.5s							
MOL	Molde	2.96 339	eP	Pn	09 10 01.8 +1.3		
MOL			eP	Pb	09 10 05.2 -0.7		
MOL			eSg	Sb	09 10 43.3 +0.7		
MOL			IAML		09 10 46.2		
comp=Z,41nm,0.1s							
FABU	Falkenberg	3.22 150	iP	Pn	09 10 03.0 -1.0		
FABU			iS	Pn	09 10 39.4 -3.6		
MUD	Monsted Ugrnd	3.40 186	eP	Sn	09 10 46.0 -1.6		
MUD			iP	Pn	09 10 06.0 -0.5		
MUD			iS	Pn	09 10 46.1 -1.4		
MUD			IAML		09 11 10.1		
comp=Z,7.0nm,0.3s							
DEL	Delary	3.99 146	iP	Pn	09 10 14.0 -0.7		
SSRD	Sdr. Stenderup	4.36 181	iS	Pn	09 11 08.4 -2.8		
COP	Copenhagen	4.38 160	eP	Sn	09 11 06.5 -5.3		
AAL	Aal	5.12 82	eP	Pn	09 10 30.4 +0.2		
AAL			eS	Pn	09 11 27.4 -2.4		
BSD	Bornholm Skovb	5.47 148	iP	Pn	09 10 34.0 -1.0		
BSD			eS	Pn	09 11 33.1 -5.4		
BSD			IAML		09 12 10.4		
comp=Z,5.8nm,0.3s							
RAF	Rauma	6.04 73	eP	Pn	09 10 44.3 +1.6		
RAF			eS	Pn	09 11 48.9 -3.6		
RAF			MSG		09 12 23.4		
comp=Z,8.1nm,0.3s							
KPF	Kankaapa	6.32 66	eP	Pn	09 10 47.8 +1.2		
KPF			eS	Pn	09 11 57.3 -2.1		
KPF			MSG		09 12 34.7		
comp=Z,6.2nm,0.4s							
VAF	Yllstaro	6.95 57	eS	Pn	09 12 13.9 -1.0		
MFJ	Metsahovi	7.32 81	eS	Pn	09 11 06.5 -5.3		
FIAO	FINESS Array S	8.15 72	Pn	Pn	09 11 12.8 +1.0		
FIAO					09 12 41.3 -3.2		
FIAO					09 11 12.8 +1.0		
FIAO					09 12 41.3 -3.2		
FIAO					09 13 24.2		
FIAO					09 13 24.2		
comp=Z,5.8nm,0.3s							
FINES	FINESS Array B	8.15 72	Pn	Pn	09 11 13.0 +1.3		
FINES					09 12 42.5 -2.0		
FINES					09 13 22.9		
FINES					09 12 42.5 -2.0		
comp=Z,0.8nm,0.3s							
EKA	Eskdalemuir Ar	8.30 243	Pn	Pn	09 11 12.3 -1.4		
EKA					09 12 38.9 -9.1		
EKA					09 11 59.9 -1.5		
ARA0	ARCESS Array S	11.78 28	Pn	Pn	09 11 59.9 -1.5		
ARA0					09 11 59.9 -1.5		
ARCES	ARCESS Array B	11.78 28	Pn	Pn	09 12 00.1 -1.2		
ARCES					09 12 00.1 -1.2		
comp=Z,1.6nm,0.8s							
IDC 22 09:15:15.5:2.8,53:55N:87:90E,h0km,mbtmp3.3/2, ML3.1/2, Error ellipse: s-maj=23.1km s-min=15.6km az=62.0, Southwestern Siberia							

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
KURBB	baz=61,slow=32	Lg	Lg		09 18 40.8		
3.2nm,0.5s							
MKAR	Makanchi Array	7.66 210	Pn	Pn	09 17 09.8 +1.6		
0.3nm,0.3s,baz=32,slow=16,SNR=5.6							
MKAR					09 18 35.4 -0.3		
0.3nm,0.3s,baz=32,slow=31,SNR=4.7							
MKAR					09 19 16.0		
0.1nm,0.3s,baz=28,slow=34,SNR=3.2							
0.3nm,0.3s							
IDC 22 09:22:49.2:2.6,20:36S:177:55W,h527km,28km,mb2.7/6, mbtmp3.6/7, Error ellipse: s-maj=37.0km s-min=23.3km az=142.0							
ISC 22 09:22:46.9:0.9,20:55S:0:2:177:40W,2,h500km,n7, r=147/8,mb3.2/6,Fiji Islands region							
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
MSVF	Nonsavu	5.14 302	Op	ISC	09 24 16.8 +1.5		
3.6nm,0.4s,baz=78,slow=16,SNR=6.9							
ASAR	Alice Springs	45.09 257	P	P	09 30 17.7 -0.4		
0.2nm,0.4s,baz=88,slow=9.5,SNR=7.2							
ASAR					09 31 46.6 -1.7		
0.4nm,0.6s,baz=90,slow=4.1,SNR=2.1							
0.4nm,0.4s							
WRA	Warramunga Arr	45.18 262	P	P	09 30 18.1 -0.6		
0.2nm,0.4s,baz=98,slow=8.4,SNR=5.4							
0.2nm,0.4s							
QSPA	South Pole Qui	69.55 180	P	P	09 33 05.5 +0.7		
0.3nm,0.4s,baz=34,slow=3.6,SNR=5.0							
0.3nm,0.4s							
TXAR	Lajitas Array	86.57 57	P	P	09 34 38.5 +1.5		
0.3nm,0.7s,baz=213,slow=8.2,SNR=2.8							
0.3nm,0.7s							
ILAR	Eielson Array	88.21 13	P	P	09 34 42.4 -1.3		
0.4nm,0.7s,baz=227,slow=5.6,SNR=5.8							
0.4nm,0.7s							
PDAR	Pinedale Array	88.58 43	P	P	09 34 45.6 -0.7		
0.3nm,0.7s,baz=235,slow=3.2,SNR=2.8							
0.3nm,0.7s							
IDC 22 09:31:54.4:3.1,53:73N:86:90E,h0km,mbtmp2.7/2, ML2.0/1, Error ellipse: s-maj=28.3km s-min=16.5km az=68.0, Southwestern Siberia							
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
H46RU	ZALESOVO INFRA	1.25 281	Op	ISC	09 40 00.0		
baz=98,slow=302,SNR=2.0							
ZALV	Zalesovo Beam	1.25 281	Pg	Pg	09 32 17.5 -0.9		
0.6nm,0.3s,baz=98,slow=17,SNR=7.7							

22d 13h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like KKM Kota Kinabalu, MTN Manton Dam, PEAOB Petropavlovsk, etc.

2017 NOV

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like MOPA Mopani, MUSN Musina, LBTB Lobatse, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like TRT2 Tortugero, BATAN Batan, LCHG Los Chiles, etc.

comp=Z,0.6nm,0.8s,baz=302,slow=5.8,SNR=2.4
 ASAR Alice Springs 140.59 244 PKP PKPdf 13 45 40.4 -2.1
 comp=Z,0.3nm,0.6s,baz=107,slow=1.9,SNR=5.2
 WRA Warramunga Arr 140.93 250 PKP PKPdf 13 45 42.2 -1.0
 comp=Z,0.6nm,1.0s,baz=276,slow=0.7,SNR=5.5
 PZH PanZhiHua 143.65 350 PKP PKPbc 13 45 46.0 +0.6
 CMAR Chiang Mai Arr 151.97 353 PKPbc PKPbc 13 46 06.2 -2.0
 comp=Z,1.2nm,0.9s,baz=342,slow=1.7,SNR=7.8

VIE 22 13:29:22.1±0.1, 47.09N, 14.98E, h0km, mb1.0/1, m1.1/2,
 Error ellipse: s-maj=1.7km s-min=1.1km az=119.0 7
 km WNW of Maria Lankowitz Suspected Mining

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
ARSA	Arzberg	0.40 67	ePg	13 29 29.9	0.0
ARSA	0.4nm,0.1s		eSg	13 29 35.8	+0.7
SOKA	Soboth	0.42 175	ePg	13 29 30.2	+0.2
SOKA	1.3nm,0.1s		eSg	13 29 35.9	+0.4

LJU 22 13:30:14.7, 45.70N, 14.86E, h3km, MLO.8, 2C,
 Northwestern Balkan Peninsula

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
VISS	Visnje	0.10 354	iPg	13 30 16.3	-0.5
VISS	comp=Z,64nm,0.1s		iSg	13 30 18.3	+0.2
VISS			iSg	13 30 19.5	
GBRS	Gornja Briga	0.17 190	iPg	13 30 17.6	-0.5
GBRS	0.4nm,0.1s		iSg	13 30 21.0	+0.6
CEY	Cerknica	0.30 277	iPg	13 30 21.0	+0.5
CEY	0.3nm,0.1s		iSg	13 30 25.1	+0.6
BOJS	Bojanci	0.34 125	iPg	13 30 21.1	-0.2
BOJS	0.2nm,0.1s		iSg	13 30 26.2	+0.5
GBAS	Gorenja Brezov	0.37 309	iPg	13 30 22.2	+0.3
GBAS	0.3nm,0.1s		iSg	13 30 27.2	+0.5
PDKS	Podkum	0.37 15	iPg	13 30 21.8	-0.1
PDKS	0.7nm,0.1s		iSg	13 30 27.6	+0.8
PDKS	0.3nm,0.1s		iSg	13 30 28.9	
KNDS	Knezi Dol	0.38 243	ePg	13 30 21.9	0.0
KNDS	0.4nm,0.1s		eSg	13 30 28.5	+1.6
KNDS			iSg	13 30 32.3	
LEGS	Legarje	0.41 52	iPg	13 30 22.9	+0.3
LEGS	0.3nm,0.1s		iSg	13 30 28.7	+0.8
CRES	Cresnjevo	0.44 73	iPg	13 30 23.7	+0.3
CRES	0.3nm,0.1s		iSg	13 30 29.7	+0.9
CRES			iSg	13 30 31.5	

NEIC 22 13:31:05.5±0.7, 19.423N, 0.010E, 155.339W, 0.008,
 h7km, 2km, Error ellipse: s-maj=1.5km s-min=0.9km
 az=207.0

HVO 22 13:31:05.3±0.5, 19.43N, 0.011E, 155.335W, 0.008,
 h5km, 2km, M2.6/24, M2.6/40(NEIC), Error ellipse:
 s-maj=1.6km s-min=0.9km az=200.0, Hawaiian Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
UWE	Uwekahuna	0.04 107	iPg	13 31 06.9	+0.2
UWE	comp=N,5μm,0.2s		iSg	13 31 08.6	
WRMH	West Rim	0.04 129	iPg	13 31 06.9	+0.2
OBL	Observatory Le	0.05 108	iPg	13 31 07.0	+0.3
OBL	0.1nm,0.1s		iSg	13 31 08.8	
UWB	Uwekahuna B	0.05 99	iPg	13 31 07.1	+0.3
UWB	comp=N,4μm,0.5s		iSg	13 31 08.9	
NPH	North Pit	0.06 112	iPg	13 31 07.0	+0.2
NPH	0.1nm,0.1s		iSg	13 31 08.9	
SDHH	Sand Hill	0.06 138	iPg	13 31 07.2	+0.3
SBLHI	Steaming Bluff	0.06 95	iPg	13 31 07.2	+0.3
SBLHI	0.1nm,0.1s		iSg	13 31 09.4	
SBLHI	comp=N,6μm,0.3s		iSg	13 31 09.6	
RIM	Rim	0.07 123	iPg	13 31 07.4	+0.4
RIM	0.1nm,0.1s		iSg	13 31 09.8	
RIM	comp=N,3μm,0.4s		iSg	13 31 09.8	
RIM	comp=N,3μm,0.6s		iSg	13 31 09.8	
HATHI	Halema'uma'u T	0.07 98	iPg	13 31 07.3	+0.3
HATHI	0.1nm,0.1s		iSg	13 31 09.6	
HATHI	comp=N,4μm,0.2s		iSg	13 31 09.6	
BYL	Byron's Ledge	0.07 106	iPg	13 31 07.4	+0.3
KKO	Keanakako I	0.07 118	iPg	13 31 07.5	+0.4
KKO	0.1nm,0.1s		iSg	13 31 09.8	
KKO	comp=N,3μm,0.4s		iSg	13 31 10.2	
PUH	Puauhi	0.13 118	iPg	13 31 08.3	+0.3
HLP	Hilina Pali	0.14 170	iPg	13 31 08.5	+0.4
HLP	0.1nm,0.1s		iSg	13 31 11.8	
HLP	comp=N,2μm,0.4s		iSg	13 31 11.8	
KNHH	Kane Nui o Ham	0.17 109	iPg	13 31 09.0	+0.3
HTC	Hot Caves	0.20 197	iPg	13 31 09.7	+0.3
STCH	Steam Cracks	0.20 103	iPg	13 31 09.6	+0.2
STCH	0.1nm,0.1s		iSg	13 31 12.9	+0.9
STCH	comp=N,309nm,0.3s		iSg	13 31 13.2	
STCH	0.1nm,0.1s		iSg	13 31 13.3	
NPOC	North of Pu'u	0.22 101	iPg	13 31 10.0	+0.4
NPOC	0.1nm,0.1s		iSg	13 31 13.6	+1.1
NPOC	comp=N,501nm,0.5s		iSg	13 31 13.7	
NPOC	0.1nm,0.1s		iSg	13 31 15.7	
HMH	Humu'ua Sheep	0.22 320	iPg	13 31 10.0	+0.3
HMH	0.1nm,0.1s		iSg	13 31 17.7	
JCUZ	Jacuzzi	0.23 102	iPg	13 31 13.6	+0.9
MLOA	Mauna Loa Obse	0.25 294	iPg	13 31 10.3	-0.1
MLOA	0.1nm,0.1s		iSg	13 31 18.4	
MLOA	comp=N,1μm,0.4s		iSg	13 31 18.5	
MWH	Moku'aweowe	0.25 282	iPg	13 31 10.6	+0.2
MWH	0.1nm,0.1s		iSg	13 31 19.0	
MWH	comp=N,1μm,0.7s		iSg	13 31 19.2	
ALEP	Alea Permanent	0.31 290	iPg	13 31 11.4	-0.1
ALEP	0.1nm,0.1s		iSg	13 31 16.1	+0.4
JOKA	Jonika Flow	0.31 90	iPg	13 31 11.2	+0.7
KHU	Kahuku	0.32 235	iPg	13 31 11.6	+0.1
POHA	Pohakuloa	0.37 330	iPg	13 31 13.1	+0.5
HUH	Hualalai	0.54 298	iPg	13 31 16.1	+0.4
KHLU	Kahalu'u	0.55 287	iPg	13 31 15.7	-0.3
KHLU	0.1nm,0.1s		iSg	13 31 24.1	+1.0
CPH	Captain Cook	0.55 276	iPg	13 31 15.7	-0.3
PHAH	Hawaii Prepara	0.69 330	iPg	13 31 17.4	-1.1
PHAH	0.1nm,0.1s		iSg	13 31 26.7	-0.7

NEIC 22 13:33:21.8±0.7, 19.453N, 0.010E, 155.331W, 0.008,
 h5km, 1km, Error ellipse: s-maj=2.9km s-min=1.8km
 az=110.0

HVO 22 13:33:21.6±0.6, 19.429N, 0.009E, 155.335W, 0.008,
 h5km, 1km, Error ellipse: s-maj=2.9km s-min=1.8km
 az=110.0

h6km, 2km, M3.4/29, M3.3/44(NEIC), Error ellipse:
 s-maj=1.4km s-min=0.9km az=205.0, Hawaiian Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
UWE	Uwekahuna	0.04 102	iPg	13 33 23.3	+0.2
WRMH	West Rim	0.04 125	iPg	13 33 23.3	+0.2
OBL	Observatory Le	0.05 104	iPg	13 33 23.4	+0.2
NPH	North Pit	0.05 109	iPg	13 33 23.4	+0.2
NPH	0.1nm,0.1s		iSg	13 33 25.3	
UWB	Uwekahuna B	0.05 95	iPg	13 33 23.4	+0.2
UWB	comp=N,32μm,0.5s		iSg	13 33 25.3	
UWB	0.1nm,0.1s		iSg	13 33 25.3	
SDHH	Sand Hill	0.06 136	iPg	13 33 23.5	+0.2
SBLHI	Steaming Bluff	0.06 92	iPg	13 33 23.5	+0.2
SBLHI	0.1nm,0.1s		iSg	13 33 25.8	
RIM	Rim	0.07 120	iPg	13 33 23.6	+0.2
RIM	0.1nm,0.1s		iSg	13 33 26.0	
RIM	comp=N,20μm,0.5s		iSg	13 33 26.2	
HATHI	Halema'uma'u T	0.07 95	iPg	13 33 23.6	+0.1
HATHI	0.1nm,0.1s		iSg	13 33 25.9	
HATHI	comp=N,21μm,0.2s		iSg	13 33 26.1	
KKO	Keanakako I	0.07 116	iPg	13 33 23.7	+0.2
KKO	0.1nm,0.1s		iSg	13 33 26.2	
KKO	comp=N,22μm,0.4s		iSg	13 33 26.2	
BYL	Byron's Ledge	0.07 104	iPg	13 33 23.8	+0.3
BYL	0.1nm,0.1s		iSg	13 33 26.3	
BYL	comp=N,17μm,0.3s		iSg	13 33 26.7	
PUH	Puauhi	0.12 116	iPg	13 33 24.6	+0.2
HLP	Hilina Pali	0.14 169	iPg	13 33 25.0	+0.5
HLP	0.1nm,0.1s		iSg	13 33 28.2	
HLP	comp=N,15μm,0.2s		iSg	13 33 28.2	
HLP	0.1nm,0.1s		iSg	13 33 28.2	
KNHH	Kane Nui o Ham	0.16 108	iPg	13 33 25.4	+0.3
HTC	Hot Caves	0.20 197	iPg	13 33 26.0	+0.4
STCH	Steam Cracks	0.20 102	iPg	13 33 25.8	+0.1
NPOC	North of Pu'u	0.22 100	iPg	13 33 26.0	+0.1
HMH	Humu'ua Sheep	0.22 321	iPg	13 33 26.5	+0.3
HMH	0.1nm,0.1s		iSg	13 33 31.0	
JCUZ	Jacuzzi	0.23 102	iPg	13 33 26.0	-0.1
MLOA	Mauna Loa Obse	0.25 295	iPg	13 33 26.8	+0.1
MLOA	0.1nm,0.1s		iSg	13 33 35.2	
MWH	Moku'aweowe	0.25 283	iPg	13 33 27.1	+0.3
MWH	0.1nm,0.1s		iSg	13 33 34.6	
MWH	comp=N,4μm,0.6s		iSg	13 33 35.5	
MWH	comp=N,6μm,0.3s		iSg	13 33 35.5	
ALEP	Alea Permanent	0.31 291	iPg	13 33 27.9	0.0
ALEP	0.1nm,0.1s		iSg	13 33 32.3	+0.2
ALEP	0.1nm,0.1s		iSg	13 33 32.3	+0.2
JOKA	Jonika Flow	0.31 89	iPg	13 33 27.6	-0.2
KHU	Kahuku	0.32 235	iPg	13 33 27.8	-0.2
POHA	Pohakuloa	0.38 330	iPg	13 33 28.9	+0.2
POHA	0.1nm,0.1s		iSg	13 33 36.4	
POHA	comp=N,4μm,0.2s		iSg	13 33 37.1	
POHA	0.1nm,0.1s		iSg	13 33 37.1	
HPO	Honuapo	0.40 211	iPg	13 33 29.9	+0.5
PHO	Puu Honua'u	0.42 83	iPg	13 33 30.4	+0.5
HUH	Hualalai	0.54 298	iPg	13 33 32.6	+0.5
HUH	0.1nm,0.1s		iSg	13 33 45.5	
HUH	comp=N,3μm,0.4s		iSg	13 33 45.7	
HUH	0.1nm,0.1s		iSg	13 33 45.7	
KHLU	Kahalu'u	0.55 287	iPg	13 33 32.0	-0.3
KHLU	0.1nm,0.1s		iSg	13 33 40.9	-1.1
CPH	Captain Cook	0.55 276	iPg	13 33 31.9	0.4
PHAH	Hawaii Prepara	0.69 330	iPg	13 33 33.8	-1.1
PHAH	0.1nm,0.1s		iSg	13 33 42.9	-1.0
PHAH	0.1nm,0.1s		iSg	13 33 47.5	-2.0

ISK 22 13:38:54.0±0.0, 34.65N, 33.86E, h22km, Mm2.4/6
 GLL 22 13:38:56.2±0.4, 34.69N, 33.92E, h31km, M2.8/13
 NVC 22 13:38:57.5±0.4, 34.65N, 33.86E, h22km, M2.7/7
 AFAD 22 13:39:10.2±0.0, 35.56N, 32.80E, h41km, M2.0/7
 ISC 22 13:38:54.3±1.3, 34.64N, 0.0334, 06E, 0.04, h20km, 5km,
 n42, c0.86/64, ID, Cyprus region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
PARAL	Paralimni	0.36 358	iPg	13 39 06.2	+1.8
MVOU	Mavrovouni	0.52 317	iPg	13 39 05.8	+0.9
MVO					

22d 14h

Table with columns: WNT, Mingjian, 0.31 355, Pg, 14 20 16.5, -1.1, etc. Lists various locations and their corresponding values and categories.

2017 NOV

Table with columns: HGSD, baz=98, i S, Pg, 14 20 33.0, +0.5, etc. Lists various locations and their corresponding values and categories.

1600

Table with columns: KAU, Kaohsiung, 1.06 201, Pp, 14 20 30.4, -0.3, etc. Lists various locations and their corresponding values and categories.

22d 14h

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like LUWI, GUMO, LUMI, BKB, etc.

2017 NOV

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like EDFI, KKN, DMN, etc.

1602

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PET, NRN, KRVT, etc.

22d 14h

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station ID, Phase, Time, Residual, and other parameters. Includes stations like MORC, JAVC, KRLC, etc.

TAP 22 14:22:21.4, 23:59N-120:72E, h14km, ML4.0, 10C-12D, B, Taiwan
Code Station Name Az AZT Op Phase ID ISC Time Res h m s ISC

2017 NOV

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station ID, Phase, Time, Residual, and other parameters. Includes stations like ALS, WHYT, WJWS, etc.

Code Station Name Az AZT Op Phase ID ISC Time Res h m s ISC
OCD Taichung 0.55 356 P Pg 14 22 24.4 +0.3

1604

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station ID, Phase, Time, Residual, and other parameters. Includes stations like EHY, YULB, TWF1, etc.

Code Station Name Az AZT Op Phase ID ISC Time Res h m s ISC
MASBT Mashbululo 0.98 185 P Pn 14 22 40.7 0.0

1605

ECL	Taimali	1.01 168	P	Pn	14 22 41.3 +0.2
ECL	Dungji	1.03 251	eP	Pb	14 22 40.1 -0.8
WDGT	Datong	1.03 36	P	Pb	14 22 40.8 -0.2
NNSB	Datong	1.03 36	eP	Pb	14 22 40.3 -0.8
NNSH	Nan Shan	1.03 35	eP	Pb	14 22 41.1 -0.1
NNS	Gushan	1.04 204	eP	Pn	14 22 41.9 +0.4
PHUB	Peng-hu	1.06 266	P	Pb	14 22 40.7 -0.7
PHUB	Nanpu	1.07 14	eP	Pg	14 22 42.2 +0.2
NSTT	Nanjung	1.07 14	eP	Pg	14 22 42.2 +0.2
NSTT	Penghu	1.07 269	eP	Pb	14 22 41.0 -0.7
PNG	Kaohsiung	1.09 200	eP	Pn	14 22 42.1 0.0
PNG	Zhunan	1.09 7	eP	Pb	14 22 42.2 +0.1
NJN	NJN	1.10 19	eP	Pb	14 22 41.8 -0.3
NFF	Wufeng Townshi	1.10 19	eP	Pb	14 22 41.8 -0.3
NFF	Zhudong	1.19 16	eP	Pg	14 22 44.3 0.0
NJD	Datong	1.19 38	eP	Pb	14 22 43.8 0.0
LATG	Datong	1.19 38	eP	Pb	14 22 43.8 0.0
LATG	Anshuo	1.21 174	eP	Pg	14 22 44.8 +0.1
EAST	Hsinchu	1.21 13	eP	Pg	14 22 00.8 +0.3
HSN1	Hsinchu	1.21 13	eP	Pg	14 22 44.6 -0.2
HSN1	Fangliu	1.22 184	eP	Pg	14 22 44.8 -0.1
SCZT	Hsinchu	1.22 11	eP	Pg	14 23 02.8 +2.1
SCZT	Hsinchu	1.22 11	eP	Pg	14 23 02.8 +2.1
SBCB	Sanguang	1.23 28	eP	Pn	14 22 44.2 0.0
NSK	Yeheng	1.23 29	P	Pb	14 22 44.5 0.0
YHNB	Yeheng	1.23 29	P	Pb	14 22 44.5 0.0
YHNB	Datong Townshi	1.24 36	eP	Pn	14 22 44.3 0.0
NDT	Datong	1.24 36	eP	Pn	14 22 44.3 0.0
NDT	Qimei	1.25 252	eP	Pn	14 22 43.1 -1.2
VCHM	Qimei	1.25 252	eP	Pn	14 22 43.1 -1.2
VCHM	Nanau	1.25 48	eP	Pb	14 22 45.0 +0.2
ENA	Nanau	1.25 48	eP	Pb	14 22 45.0 +0.2
TAWH	Dawu Township	1.26 173	eP	Pg	14 22 45.3 -0.3
TAWH	Wuta	1.29 49	eP	Pb	14 22 45.3 -0.1
EWUT	Wuta	1.29 49	eP	Pb	14 22 45.3 -0.1
EWUT	Nioudou	1.30 36	P	Pb	14 22 45.8 +0.2
ENTT	Nioudou	1.30 36	P	Pb	14 22 45.8 +0.2
ENTT	Shi	1.37 177	eP	Pb	14 22 46.8 0.0
SLIU	Shi	1.37 177	eP	Pb	14 22 46.8 0.0
NWLT	Wulai	1.38 31	eP	Pb	14 22 46.6 -0.4
NWLT	Dongshan	1.38 41	eP	Pb	14 22 47.0 0.0
NDS	Dongshan	1.38 41	eP	Pb	14 22 47.0 0.0
FUSB	Fushanzhiwuyua	1.41 34	eP	Pn	14 22 46.9 +0.3
FUSB	Neicheng	1.42 37	P	Pg	14 22 48.7 0.0
TWE	Neicheng	1.42 37	P	Pg	14 22 48.7 0.0
TWE	Suao	1.45 45	eP	Pg	14 22 49.0 -0.2
TWC	Suao	1.45 45	eP	Pg	14 22 49.0 -0.2
TWC	Taipei	1.54 27	eP	Pg	14 22 51.4 +0.2
TATO	Mucha	1.59 30	eP	Pb	14 22 51.0 +0.5
TWA	Mucha	1.59 30	eP	Pb	14 22 51.0 +0.5
TWS1	Kuangyinsan	1.63 23	eP	Pg	14 22 53.4 +0.6
TWKB	Hengchun	1.65 177	eP	Pb	14 22 51.0 -0.5
TWKB	Hengchuen, Pin	1.69 174	eP	Pn	14 22 50.9 +0.4
TSEB	Shuangxi	1.70 36	eP	Pg	14 22 53.4 -0.8
TIPB	Shuangxi	1.70 36	eP	Pg	14 22 53.4 -0.8
TIPB		1.70 36	eP	Pg	14 23 15.1 -1.2

JMA 22 14:22:45.4-0.0,33'11N,02-131'2E:0.2,h4km,MV0.3/19, NE KUMAMOTO PREF,Kyushu

Code	Station Name	Δ° AZ°	Phase ID	Time Res
OIT2	Oita 2	0.28 50	eS	14 22 55.5 +0.8
JUS	Usuki	0.47 93	eS	14 23 01.1 +0.6
JTA	Tamana	0.57 257	eS	14 23 05.4 -1.1

TAP 22 14:23:40.4,23'58N:120.71E,h16km,ML3.7,26C-11D,B, Taiwan

Code	Station Name	Δ° AZ°	Phase ID	Time Res
CHN5	Tsauling	0.04 292	iP	14 23 43.5 +0.2
CHN5	Als	0.11 131	iP	14 23 45.8 +0.5
ALS	Als	0.11 131	iP	14 23 44.8 +0.4
ALS	Kinyi Township	0.17 49	iP	14 23 48.0 +0.9
WHYT	Kinyi Township	0.17 49	iP	14 23 45.2 0.0
WHYT	Gukeng	0.17 306	iP	14 23 48.4 -0.1
WGK	Gukeng	0.17 306	iP	14 23 45.4 +0.1
WCKO	Fanlu	0.18 214	iP	14 23 45.3 0.0
WCKO	Douliu	0.19 303	iP	14 23 49.0 +0.4
WDLH	Douliu	0.19 303	iP	14 23 45.8 +0.2
WDLH		0.19 303	iP	14 23 50.1 +1.1

2017 NOV

WJS	Zhushan	0.24 3	P	Pb	14 23 46.5 +0.1
WJS	Tsushan	0.26 205	iP	Pb	14 23 50.7 +0.3
CHN4	Tsushan	0.26 205	iP	Pb	14 23 46.8 0.0
CHN4	Chiayi	0.28 252	iP	Pb	14 23 51.6 +0.7
CHY	Chiayi	0.28 252	iP	Pb	14 23 47.2 +0.2
CHY	Ta-pu	0.29 195	iP	Pb	14 23 52.4 +0.8
TPUB	Ta-pu	0.29 195	iP	Pb	14 23 47.2 -0.1
TPUB	Mingjian	0.29 355	iP	Pb	14 23 51.8 -0.2
WNT	Mingjian	0.29 355	iP	Pb	14 23 47.5 +0.2
WNT	Suanguilung	0.30 47	iP	Pb	14 23 52.6 +0.6
SSLB	Suanguilung	0.30 47	iP	Pb	14 23 47.2 -0.2
SSLB	Tuku	0.32 289	P	Pb	14 23 51.7 -0.5
WTK	Tuku	0.32 289	P	Pb	14 23 47.9 +0.2
WTK	Nantou City	0.32 355	iP	Pb	14 23 53.6 +1.0
WNT1	Nantou City	0.32 355	iP	Pb	14 23 48.1 +0.3
WNT1	Sun Moon Lake	0.34 30	iP	Pb	14 23 53.4 +0.5
SMLT	Sun Moon Lake	0.34 30	iP	Pb	14 23 48.3 +0.1
SMLT	Yuchr	0.34 22	iP	Pb	14 23 53.3 -0.3
TYC	Yuchr	0.34 22	iP	Pb	14 23 48.3 +0.1
TYC	Ta-pu	0.35 195	iP	Pb	14 23 54.1 +0.7
WTP	Ta-pu	0.35 195	iP	Pb	14 23 48.2 -0.1
WTP	Hsiinying	0.38 213	iP	Pb	14 23 53.7 +0.1
TWK	Hsiinying	0.38 213	iP	Pb	14 23 48.8 0.0
TWK	Yuanlin Townsh	0.40 342	iP	Pb	14 23 54.5 +0.1
WYL	Yuanlin Townsh	0.40 342	iP	Pb	14 23 49.3 +0.2
WYL	Tainan City	0.41 209	iP	Pb	14 23 55.6 +0.7
SNST	Tainan City	0.41 209	iP	Pb	14 23 49.4 0.0
SNST	Taoyuan	0.42 172	iP	Pb	14 23 55.8 +0.3
STYH	Taoyuan	0.42 172	iP	Pb	14 23 49.3 -0.1
STYH	Taoyuan	0.42 174	iP	Pb	14 23 55.4 -0.1
STYT	Taoyuan	0.42 174	iP	Pb	14 23 49.7 +0.2
WVDT	WVDT	0.43 67	iP	Pb	14 23 50.0 +0.4
WVDT	Nanshi	0.43 203	iP	Pb	14 23 56.3 +0.5
CHN1	Nanshi	0.43 203	iP	Pb	14 23 49.7 0.0
CHN1	Guolierlin Hig	0.44 316	iP	Pb	14 23 56.7 +0.7
WRL	Guolierlin Hig	0.44 316	iP	Pb	14 23 49.8 -0.1
WRL	Shuilin Townsh	0.45 262	iP	Pb	14 23 57.0 +0.7
WSL	Shuilin Townsh	0.45 262	iP	Pb	14 23 50.1 +0.1
WSL	Szu	0.45 277	iP	Pg	14 23 57.7 +1.2
WSF	Szu	0.45 277	iP	Pg	14 23 49.7 +0.2
WSF	Yijhu	0.46 241	iP	Pb	14 23 57.0 +0.4
ICHU	Yijhu	0.46 241	iP	Pb	14 23 50.3 +0.2
ICHU	Wufeng	0.46 358	iP	Pb	14 23 57.8 +1.1
WWF	Wufeng	0.46 358	iP	Pb	14 23 50.6 +0.5
WWF	Puli Township	0.48 28	iP	Pb	14 23 57.9 +1.2
WPL	Puli Township	0.48 28	iP	Pb	14 23 50.5 -0.1
ELDTW	Lidau	0.48 145	iP	Pb	14 23 50.7 +0.1
ELDTW	Ta-ch'eng	0.48 305	P	Pg	14 23 57.4 -0.1
WTCT	Ta-ch'eng	0.48 305	P	Pg	14 23 50.2 +0.2
WTCT	Guoxing	0.49 24	iP	Pb	14 23 57.9 +0.4
PDDB	Guoxing	0.49 24	iP	Pb	14 23 50.8 +0.1
WCS	Beigang Elemen	0.51 21	iP	Pb	14 23 50.9 0.0
WCS	Zhanghua	0.51 344	iP	Pb	14 23 58.4 +0.3
WCHH	Zhanghua	0.51 344	iP	Pb	14 23 51.3 +0.2
WCHH	Jiashan	0.51 193	P	Pg	14 23 52.2 +0.9
SGST	Jiashan	0.51 193	P	Pg	14 23 50.4 -0.2
SGST	Yiju	0.52 243	iP	Pb	14 23 58.0 -0.3
CHN8	Yiju	0.52 243	iP	Pb	14 23 51.2 0.0
CHN8	Renai	0.55 42	iP	Pb	14 23 51.9 +1.0
WUSB	Renai	0.55 42	iP	Pb	14 23 51.6 -0.2
WUSB	Renai	0.56 49	iP	Pb	14 23 58.9 +0.1
OWD	Renai	0.56 49	iP	Pb	14 23 52.1 +0.1
OWD	Taichung	0.56 357	iP	Pb	14 23 59.8 -0.1
TCU	Taichung	0.56 357	iP	Pb	14 23 52.1 +0.2
TCU	Hungye	0.56 98	P	Pb	14 24 00.6 +0.9
EHY	Hungye	0.56 98	P	Pb	14 23 52.4 +0.5
EHY	Yuli	0.57 109	P	Pb	14 24 00.5 +0.7
YULB	Yuli	0.57 109	P	Pb	14 23 52.2 +0.2
YULB	Yuli	0.58 113	iP	Pb	14 24 00.0 +0.1
TWF1	Yuli	0.58 113	iP	Pb	14 23 52.7 +0.4
TWF1	Liugu	0.59 186	P	Pb	14 24 00.9 +0.6
SLGT	Liugu	0.59 186	P	Pb	14 23 53.0 +0.6
SLGT	Shanhua	0.59 221	P	Pb	14 24 01.5 +0.9
SSHA	Shanhua	0.59 221	P	Pb	14 23 53.2 +0.8
SSHA	Shinhua	0.60 212	iP	Pn	14 24 02.9 -0.7
CHN3	Shinhua	0.60 212	iP	Pn	14 23 53.6 -0.7
CHN3	Yuli	0.60 113	P	Pb	14 24 03.4 -0.3
EYUL	Yuli	0.60 113	P	Pb	14 23 52.9 +0.3
EYUL	Haiduan	0.63 134	iP	Pb	14 24 01.4 +0.4
EHD	Haiduan	0.63 134	iP	Pb	14 24 01.4 +0.4
EHD	Jiali	0.63 230	iP	Pb	14 23 53.4 +0.4
SCLT	Jiali	0.63 230	iP	Pb	14 24 02.3 +0.7
SCLT	Fenlin Townsh	0.63 78	iP	Pb	14 23 53.2 +0.8
SCLT		0.63 78	iP	Pb	14 24 04.1 -0.3
WARBT	Fenlin Townsh	0.63 78	iP	Pb	14 23 53.4 +0.3

WARBT	Renai	0.64 42	iP	Pb	14 24 01.6 -0.2
CHGB	Tain City	0.65 211	P	Pn	14 23 53.2 -0.1
SHHT	Tain City	0.65 211	P	Pn	14 23 54.5 -0.5
FULB	Fuli	0.66 126	iP	Pn	14 23 54.5 -0.6
FULB	Ruisui	0.66 98	eP	Pn	14 24 04.4 -0.8
HGSD	Ruisui	0.66 98	eP	Pn	14 23 54.6 +0.8
HGSD	Chishang	0.67 136	eP	Pb	14 24 04.4 -0.8
ECS	Chishang	0.67 136	eP	Pb	14 23 54.4 +0.6
ESL	Shilin	0.70 71	iP	Pb	14 23 54.5 +0.3
ESL	Yung-k'ang	0.70 220	eP	Pn	14 24 03.7 +0.1
TAI1	Yung-k'ang	0.70 220	eP	Pn	14 23 55.2 -0.5
TSCK	Chigu Township	0.72 233	eP	Pb	14 23 54.9 +0.2
TSCK	Taichung City	0.72 17	eP	Pb	14 24 06.8 +0.1
WHP	Taichung City	0.72 17	eP	Pb	14 23 54.9 +0

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like TWS1 Kuangyinshan, NTST Danshui, FUSH Fushou, etc.

TAP 22 15:12:40.0,23:62N:120:76E,h6km,2km,ML1.8,B, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like CHNS Tsauling, ALS Alishan, WHYT Xinyi Township, etc.

TAP 22 15:12:43.4,23:59N:120:75E,h12km,ML1.3,A,Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like CHNS Tsauling, ALS Alishan, WHYT Xinyi Township, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like WCKO Gukeng, WCKO Fanlu, WJWS Zhushan, etc.

ICD 22 15:19:47.2,6.2,22:19S:179:57E,h553km,39km,mb2.6/4, mbtmp3.5/5,Error ellipse: s-maj=139.0km s-min=27.5km az=139.0, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like MSFV Nonsavu, STKA Stephens Creek, ASAR Alice Springs, etc.

TAP 22 15:27:44.1,23:59N:120:72E,h15km,ML1.3,1C-1D,A, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like CHNS Tsauling, ALS Alishan, WHYT Xinyi Township, etc.

TAP 22 15:27:50.1,23:60N:120:73E,h15km,ML1.9,A,Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like CHNS Tsauling, ALS Alishan, WHYT Xinyi Township, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like TWK Hsinying, TWK WVDT, WVDT WVDT, etc.

TAP 22 15:42:41.8,23:16N:120:50E,h14km,ML1.3,A,Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like CHN1 Nanshi, CHN1 Tainan City, SNST Tainan City, etc.

TAP 22 15:42:44.3,23:60N:120:74E,h15km,1km,ML1.4,A, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like ALS Alishan, WHYT Xinyi Township, WCKO Fanlu, etc.

KRNET 22 15:53:15.8:0.1,39:75N:77:59E,mb2.5 SOME 22 15:53:18.5,39:97N:77:55E,h10km NNC 22 15:53:20.4:1.0,40:06N:77:51E,h0km,mb3.5,mpv3.1, Error ellipse: s-maj=6.7km s-min=6.2km az=49.0

ISC 22 15:53:19.2:3.0,40:0N:0:1:77:53E,0.08,h1km,16km,n34, 1914/41,8C-8D,Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like TARG Taragay, Kyrgy, NARN Naryn, ULHL Ulahol, etc.

22d 16h

Table of station data for 22d 16h, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like TNS5, IZV, SATY, MDOK, UCH, MTBS, KOTS, KST, SHLS, DGS, KPKS, PDGK, KTBS, KRBS, ARXS, JMA, JJK, JOM, JYM, JOT, JYS, JRG, JVA, JTM, JSD, MJAR, MAJ, MJB, JHJ, JHU, ASAJ.

2017 NOV

Table of station data for 2017 NOV, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like JKA, H1N2, H1N1, H1N3, H1S1, H1S2, MK31, MKAR, MKAR, D19K, KURK, KURK, KURB, BRVK, BRVK, ABKAR, WBO, WBO, WR0, WR0, WRA, WRA, NEIC 22 16:01:25.6, IDC 22 16:01:30.8, ISC 22 16:01:31.3, Code, Station Name, Azimuth, Phase ID, Time, Residual.

1608

Table of station data for 1608, including columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like CONA, RONA, WATA, WTTA, DAVA, ABTA, WEL, Code, Station Name, Azimuth, Phase ID, Time, Residual.

1609

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Sutherland, Lusaka, MAW, H08S1, H08S2, H08S3, MBAR, H01W2, H01W3, H01W1, QSPA, CMAR, ASAR, TORO, WRA, MDT, AKASG, ILAR.

IDC 22 16:42:33.6, 0.7, 34.92N, 45.69E, h0km, mb4. 1/17, mltmp=4.1, 23, ML4. 1/9, M4. 2/15, Error ellipse: s-maj=17.6km s-min=10.8km az=157.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KSB, KGS1, KGS2, KGS3, KGS4, KGS5, KGS6, KGS7, KGS8, KGS9, KGS10, KGS11, KGS12, KGS13, KGS14, KGS15, KGS16, KGS17, KGS18, KGS19, KGS20, KGS21, KGS22, KGS23, KGS24, KGS25, KGS26, KGS27, KGS28, KGS29, KGS30, KGS31, KGS32, KGS33, KGS34, KGS35, KGS36, KGS37, KGS38, KGS39, KGS40, KGS41, KGS42, KGS43, KGS44, KGS45, KGS46, KGS47, KGS48, KGS49, KGS50, KGS51, KGS52, KGS53, KGS54, KGS55, KGS56, KGS57, KGS58, KGS59, KGS60, KGS61, KGS62, KGS63, KGS64, KGS65, KGS66, KGS67, KGS68, KGS69, KGS70, KGS71, KGS72, KGS73, KGS74, KGS75, KGS76, KGS77, KGS78, KGS79, KGS80, KGS81, KGS82, KGS83, KGS84, KGS85, KGS86, KGS87, KGS88, KGS89, KGS90, KGS91, KGS92, KGS93, KGS94, KGS95, KGS96, KGS97, KGS98, KGS99, KGS100.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IKOM, IBZ, IBZ1, IBZ2, IBZ3, IBZ4, IBZ5, IBZ6, IBZ7, IBZ8, IBZ9, IBZ10, IBZ11, IBZ12, IBZ13, IBZ14, IBZ15, IBZ16, IBZ17, IBZ18, IBZ19, IBZ20, IBZ21, IBZ22, IBZ23, IBZ24, IBZ25, IBZ26, IBZ27, IBZ28, IBZ29, IBZ30, IBZ31, IBZ32, IBZ33, IBZ34, IBZ35, IBZ36, IBZ37, IBZ38, IBZ39, IBZ40, IBZ41, IBZ42, IBZ43, IBZ44, IBZ45, IBZ46, IBZ47, IBZ48, IBZ49, IBZ50, IBZ51, IBZ52, IBZ53, IBZ54, IBZ55, IBZ56, IBZ57, IBZ58, IBZ59, IBZ60, IBZ61, IBZ62, IBZ63, IBZ64, IBZ65, IBZ66, IBZ67, IBZ68, IBZ69, IBZ70, IBZ71, IBZ72, IBZ73, IBZ74, IBZ75, IBZ76, IBZ77, IBZ78, IBZ79, IBZ80, IBZ81, IBZ82, IBZ83, IBZ84, IBZ85, IBZ86, IBZ87, IBZ88, IBZ89, IBZ90, IBZ91, IBZ92, IBZ93, IBZ94, IBZ95, IBZ96, IBZ97, IBZ98, IBZ99, IBZ100.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IKFM, IHS, IHS1, IHS2, IHS3, IHS4, IHS5, IHS6, IHS7, IHS8, IHS9, IHS10, IHS11, IHS12, IHS13, IHS14, IHS15, IHS16, IHS17, IHS18, IHS19, IHS20, IHS21, IHS22, IHS23, IHS24, IHS25, IHS26, IHS27, IHS28, IHS29, IHS30, IHS31, IHS32, IHS33, IHS34, IHS35, IHS36, IHS37, IHS38, IHS39, IHS40, IHS41, IHS42, IHS43, IHS44, IHS45, IHS46, IHS47, IHS48, IHS49, IHS50, IHS51, IHS52, IHS53, IHS54, IHS55, IHS56, IHS57, IHS58, IHS59, IHS60, IHS61, IHS62, IHS63, IHS64, IHS65, IHS66, IHS67, IHS68, IHS69, IHS70, IHS71, IHS72, IHS73, IHS74, IHS75, IHS76, IHS77, IHS78, IHS79, IHS80, IHS81, IHS82, IHS83, IHS84, IHS85, IHS86, IHS87, IHS88, IHS89, IHS90, IHS91, IHS92, IHS93, IHS94, IHS95, IHS96, IHS97, IHS98, IHS99, IHS100.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IRB, ITB, ISB, IAZ, IAZ1, IAZ2, IAZ3, IAZ4, IAZ5, IAZ6, IAZ7, IAZ8, IAZ9, IAZ10, IAZ11, IAZ12, IAZ13, IAZ14, IAZ15, IAZ16, IAZ17, IAZ18, IAZ19, IAZ20, IAZ21, IAZ22, IAZ23, IAZ24, IAZ25, IAZ26, IAZ27, IAZ28, IAZ29, IAZ30, IAZ31, IAZ32, IAZ33, IAZ34, IAZ35, IAZ36, IAZ37, IAZ38, IAZ39, IAZ40, IAZ41, IAZ42, IAZ43, IAZ44, IAZ45, IAZ46, IAZ47, IAZ48, IAZ49, IAZ50, IAZ51, IAZ52, IAZ53, IAZ54, IAZ55, IAZ56, IAZ57, IAZ58, IAZ59, IAZ60, IAZ61, IAZ62, IAZ63, IAZ64, IAZ65, IAZ66, IAZ67, IAZ68, IAZ69, IAZ70, IAZ71, IAZ72, IAZ73, IAZ74, IAZ75, IAZ76, IAZ77, IAZ78, IAZ79, IAZ80, IAZ81, IAZ82, IAZ83, IAZ84, IAZ85, IAZ86, IAZ87, IAZ88, IAZ89, IAZ90, IAZ91, IAZ92, IAZ93, IAZ94, IAZ95, IAZ96, IAZ97, IAZ98, IAZ99, IAZ100.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IAS, IAS1, IAS2, IAS3, IAS4, IAS5, IAS6, IAS7, IAS8, IAS9, IAS10, IAS11, IAS12, IAS13, IAS14, IAS15, IAS16, IAS17, IAS18, IAS19, IAS20, IAS21, IAS22, IAS23, IAS24, IAS25, IAS26, IAS27, IAS28, IAS29, IAS30, IAS31, IAS32, IAS33, IAS34, IAS35, IAS36, IAS37, IAS38, IAS39, IAS40, IAS41, IAS42, IAS43, IAS44, IAS45, IAS46, IAS47, IAS48, IAS49, IAS50, IAS51, IAS52, IAS53, IAS54, IAS55, IAS56, IAS57, IAS58, IAS59, IAS60, IAS61, IAS62, IAS63, IAS64, IAS65, IAS66, IAS67, IAS68, IAS69, IAS70, IAS71, IAS72, IAS73, IAS74, IAS75, IAS76, IAS77, IAS78, IAS79, IAS80, IAS81, IAS82, IAS83, IAS84, IAS85, IAS86, IAS87, IAS88, IAS89, IAS90, IAS91, IAS92, IAS93, IAS94, IAS95, IAS96, IAS97, IAS98, IAS99, IAS100.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IAS1, IAS2, IAS3, IAS4, IAS5, IAS6, IAS7, IAS8, IAS9, IAS10, IAS11, IAS12, IAS13, IAS14, IAS15, IAS16, IAS17, IAS18, IAS19, IAS20, IAS21, IAS22, IAS23, IAS24, IAS25, IAS26, IAS27, IAS28, IAS29, IAS30, IAS31, IAS32, IAS33, IAS34, IAS35, IAS36, IAS37, IAS38, IAS39, IAS40, IAS41, IAS42, IAS43, IAS44, IAS45, IAS46, IAS47, IAS48, IAS49, IAS50, IAS51, IAS52, IAS53, IAS54, IAS55, IAS56, IAS57, IAS58, IAS59, IAS60, IAS61, IAS62, IAS63, IAS64, IAS65, IAS66, IAS67, IAS68, IAS69, IAS70, IAS71, IAS72, IAS73, IAS74, IAS75, IAS76, IAS77, IAS78, IAS79, IAS80, IAS81, IAS82, IAS83, IAS84, IAS85, IAS86, IAS87, IAS88, IAS89, IAS90, IAS91, IAS92, IAS93, IAS94, IAS95, IAS96, IAS97, IAS98, IAS99, IAS100.

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Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KRSH, AGDM, ISFB, GNI, GNI1, GNI2, SAAT, BRDA, BRDA1, BRDA2, BRDA3, BRDA4, BRDA5, BRDA6, BRDA7, BRDA8, BRDA9, BRDA10, BRDA11, BRDA12, BRDA13, BRDA14, BRDA15, BRDA16, BRDA17, BRDA18, BRDA19, BRDA20, BRDA21, BRDA22, BRDA23, BRDA24, BRDA25, BRDA26, BRDA27, BRDA28, BRDA29, BRDA30, BRDA31, BRDA32, BRDA33, BRDA34, BRDA35, BRDA36, BRDA37, BRDA38, BRDA39, BRDA40, BRDA41, BRDA42, BRDA43, BRDA44, BRDA45, BRDA46, BRDA47, BRDA48, BRDA49, BRDA50, BRDA51, BRDA52, BRDA53, BRDA54, BRDA55, BRDA56, BRDA57, BRDA58, BRDA59, BRDA60, BRDA61, BRDA62, BRDA63, BRDA64, BRDA65, BRDA66, BRDA67, BRDA68, BRDA69, BRDA70, BRDA71, BRDA72, BRDA73, BRDA74, BRDA75, BRDA76, BRDA77, BRDA78, BRDA79, BRDA80, BRDA81, BRDA82, BRDA83, BRDA84, BRDA85, BRDA86, BRDA87, BRDA88, BRDA89, BRDA90, BRDA91, BRDA92, BRDA93, BRDA94, BRDA95, BRDA96, BRDA97, BRDA98, BRDA99, BRDA100.

22d 16h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MZR, MZR1, MZR2, MZR3, MZR4, MZR5, MZR6, MZR7, MZR8, MZR9, MZR10, MZR11, MZR12, MZR13, MZR14, MZR15, MZR16, MZR17, MZR18, MZR19, MZR20, MZR21, MZR22, MZR23, MZR24, MZR25, MZR26, MZR27, MZR28, MZR29, MZR30, MZR31, MZR32, MZR33, MZR34, MZR35, MZR36, MZR37, MZR38, MZR39, MZR40, MZR41, MZR42, MZR43, MZR44, MZR45, MZR46, MZR47, MZR48, MZR49, MZR50, MZR51, MZR52, MZR53, MZR54, MZR55, MZR56, MZR57, MZR58, MZR59, MZR60, MZR61, MZR62, MZR63, MZR64, MZR65, MZR66, MZR67, MZR68, MZR69, MZR70, MZR71, MZR72, MZR73, MZR74, MZR75, MZR76, MZR77, MZR78, MZR79, MZR80, MZR81, MZR82, MZR83, MZR84, MZR85, MZR86, MZR87, MZR88, MZR89, MZR90, MZR91, MZR92, MZR93, MZR94, MZR95, MZR96, MZR97, MZR98, MZR99, MZR100.

Table with columns: BKZ, Black Stump Fm, 3.09 195, P, Pb, 17 11 20.3 -1.5, etc. Lists various geological sites and their coordinates.

Table with columns: AHB, Akutan Harbor, 0.33 341, Pn, 17 38 31.4 -0.2, etc. Lists various geological sites and their coordinates.

Table with columns: O20K, Slope Mountain, 9.48 43, P, Pn, 17 40 35.5 +1.5, etc. Lists various geological sites and their coordinates.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like PIMM, Pines Island, 1.94 222, Op, Pn, 17 23 06.1 +0.3.

Table with columns: DT1, Dutton Round H, 2.35 55, Pn, 17 38 57.4 +0.7, etc. Lists various geological sites and their coordinates.

Table with columns: TRF, Thorare Moun, 12.51 33, Pn, 17 41 13.8 -1.9, etc. Lists various geological sites and their coordinates.

NEIC 22:17:33:36.5:2.1, 4:83S:0.03:132:6E:0:1, h38km, 1 km, mb4.0/1, Error ellipse: s-maj=18.9km s-min=4.4km

IDC 22:17:33:37.2:1.4, 5:31S:132:44E, h0km, mb3.5/2, mbmp4.0/8, ML4.2/4, MS3.0/1, Error ellipse: s-maj=36.2km

ISC 22:17:33:36.7:0.7, 4:81S:0.08:132:48E:0:07, h35km, n44, o1566/40, mb3.7/3, Irian Jaya region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like FAKI, Fak Fak, 1.89 353, Op, Pn, 17 36 17.0 -0.5.

Table with columns: SDPT, Sand Point, 3.38 61, P, Pn, 17 39 11.4 +0.8, etc. Lists various geological sites and their coordinates.

Table with columns: G19K, Kayak Island, 13.09 54, Pn, 17 41 22.2 -0.9, etc. Lists various geological sites and their coordinates.

Table with columns: KNRA, Kunurra, 11.40 198, Pn, 17 36 17.1 -0.1, etc. Lists various geological sites and their coordinates.

Table with columns: ANNW, Aniakchak Nort, 5.28 50, Pn, 17 39 38.5 +1.8, etc. Lists various geological sites and their coordinates.

Table with columns: C16K, Lisburne Hills, 14.52 0, Pn, P, 17 41 45.5 -1.2, etc. Lists various geological sites and their coordinates.

Table with columns: TOLJ, Tolitoli, 13.08 296, P, Pn, 17 36 41.6 +1.4, etc. Lists various geological sites and their coordinates.

Table with columns: ANWK, Aniakchak, 4.21 54, Pn, 17 39 26.6 +1.1, etc. Lists various geological sites and their coordinates.

Table with columns: M27K, Edge Creek, 15.12 46, Pn, P, 17 41 49.7 -0.1, etc. Lists various geological sites and their coordinates.

Table with columns: WRA, Warramunga Arr, 15.15 173, Pn, 17 37 06.0 -2.3, etc. Lists various geological sites and their coordinates.

Table with columns: ANWK, Aniakchak, 4.21 54, Pn, 17 39 26.6 +1.1, etc. Lists various geological sites and their coordinates.

Table with columns: M27K, Edge Creek, 15.12 46, Pn, P, 17 41 49.7 -0.1, etc. Lists various geological sites and their coordinates.

Table with columns: WRA, Warramunga Arr, 15.15 173, Pn, 17 37 06.0 -2.3, etc. Lists various geological sites and their coordinates.

Table with columns: ANWK, Aniakchak, 4.21 54, Pn, 17 39 26.6 +1.1, etc. Lists various geological sites and their coordinates.

Table with columns: M27K, Edge Creek, 15.12 46, Pn, P, 17 41 49.7 -0.1, etc. Lists various geological sites and their coordinates.

Table with columns: WRA, Warramunga Arr, 15.15 173, Pn, 17 37 06.0 -2.3, etc. Lists various geological sites and their coordinates.

Table with columns: ANWK, Aniakchak, 4.21 54, Pn, 17 39 26.6 +1.1, etc. Lists various geological sites and their coordinates.

Table with columns: M27K, Edge Creek, 15.12 46, Pn, P, 17 41 49.7 -0.1, etc. Lists various geological sites and their coordinates.

Table with columns: WRA, Warramunga Arr, 15.15 173, Pn, 17 37 06.0 -2.3, etc. Lists various geological sites and their coordinates.

Table with columns: ANWK, Aniakchak, 4.21 54, Pn, 17 39 26.6 +1.1, etc. Lists various geological sites and their coordinates.

Table with columns: M27K, Edge Creek, 15.12 46, Pn, P, 17 41 49.7 -0.1, etc. Lists various geological sites and their coordinates.

Table with columns: WRA, Warramunga Arr, 15.15 173, Pn, 17 37 06.0 -2.3, etc. Lists various geological sites and their coordinates.

Table with columns: ANWK, Aniakchak, 4.21 54, Pn, 17 39 26.6 +1.1, etc. Lists various geological sites and their coordinates.

Table with columns: M27K, Edge Creek, 15.12 46, Pn, P, 17 41 49.7 -0.1, etc. Lists various geological sites and their coordinates.

Table with columns: WRA, Warramunga Arr, 15.15 173, Pn, 17 37 06.0 -2.3, etc. Lists various geological sites and their coordinates.

Table with columns: ANWK, Aniakchak, 4.21 54, Pn, 17 39 26.6 +1.1, etc. Lists various geological sites and their coordinates.

Table with columns: M27K, Edge Creek, 15.12 46, Pn, P, 17 41 49.7 -0.1, etc. Lists various geological sites and their coordinates.

Table with columns: WRA, Warramunga Arr, 15.15 173, Pn, 17 37 06.0 -2.3, etc. Lists various geological sites and their coordinates.

Table with columns: ANWK, Aniakchak, 4.21 54, Pn, 17 39 26.6 +1.1, etc. Lists various geological sites and their coordinates.

Table with columns: M27K, Edge Creek, 15.12 46, Pn, P, 17 41 49.7 -0.1, etc. Lists various geological sites and their coordinates.

Table with columns: WRA, Warramunga Arr, 15.15 173, Pn, 17 37 06.0 -2.3, etc. Lists various geological sites and their coordinates.

Table with columns: ANWK, Aniakchak, 4.21 54, Pn, 17 39 26.6 +1.1, etc. Lists various geological sites and their coordinates.

Table with columns: M27K, Edge Creek, 15.12 46, Pn, P, 17 41 49.7 -0.1, etc. Lists various geological sites and their coordinates.

Table with columns: WRA, Warramunga Arr, 15.15 173, Pn, 17 37 06.0 -2.3, etc. Lists various geological sites and their coordinates.

Table with columns: ANWK, Aniakchak, 4.21 54, Pn, 17 39 26.6 +1.1, etc. Lists various geological sites and their coordinates.

Table with columns: M27K, Edge Creek, 15.12 46, Pn, P, 17 41 49.7 -0.1, etc. Lists various geological sites and their coordinates.

Table with columns: WRA, Warramunga Arr, 15.15 173, Pn, 17 37 06.0 -2.3, etc. Lists various geological sites and their coordinates.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like L16K, Ohwat River, 8.58 20, Pn, 17 40 23.1 +1.5.

Table with columns: B21K, Ikipkuk River, 16.66 14, Pn, P, 17 42 10.7 +0.4, etc. Lists various geological sites and their coordinates.

Table with columns: C23K, B22K, SKAG, K29M, N31M, I29M, R32K, WHY, H29M, J30M, P32M, E27K, M31M, F28M, I30M, G29M, N32M, P33M, FARO, EPYK, G32M, G30M, S34M, R33M, G31M, DLBC, DLBC, INK, INK, INK, INK, PETK, PETK, C36M, A36M, YKA, YKA, YBH, TIXI, RYN, NVAR, NVAR, MDPB, OMMB, ELK, DSP, HVU, R11B, R11B, TPNV, BW06, PD31, PDAR, PDAR, GUY, TMUT, RDMU, H11N2, H11N3, H11N1, W13A, U15A, YUH, H11S1, H11S2, H11S3, W15Z, H11W3, X16A, NEEM, NEEM, 121A, KRSR, DAG, SMWD, SUMG, SUMG, CSTR, CSTR, DKNS, DKNS, WMOK, MNHN, MNHN, SN01, SN01

Table with columns: DBG, TXAR, TXAR, OZNA, PLPT, ICESG, DY2G, BRDY, SONM, SONM, SCHO, HHC, HHC, ARCES, ARCES, ZALV, ZALV, KURBB, BVAR, ARU, WMQ, WMQ, WMQ, MKAR, MKAR, KIRV, FINES, NB2, NOA, NOA, HFS, EKA, PZH, PZH, PZH, AAK, PPT, AKAS, GERES, CMAR, CMAR, KBZ, CTA, BRTR, WRA, ASAR, H03N2, H03N1, H03N3, GSPA, MAW, MAW, BOSA, WRA, TAVE, DGTI, MSVF, STKA, ASAR, WRA, NEIC, OTT, ISC, Code, Code, EYMN, EYMN, EYMN

Table with columns: B35A, E38A, E38A, ATKO, ATKO, F36A, SP1M, EPLO, EPLO, AGM, SLO, SLO, SLO, G40A, D41A, D32A, F33A, F33A, ULM, ULM, ULM, ULM, GTO, GTO, GTO, GTO, PNPO, PNPO, PNPO, I42A, ECSD, K36A, JFWS, SUSD, L40A, L40A, SCIA, L42A, L42A, N38A, N38A

IDC 22 18:26:07.1±2.0, 20.82Sx178.08W, h492km, 19km, mb3.2/4, mbmp4.0/6, Error ellipse: s-maj=26.6km s-min=20.8km az=105.0

NEIC 22 18:26:07.5±1.8, 20.8S:0.1x177.95W:0.05, h49km, 11km, mb4.3/34, Error ellipse: s-maj=20.7km s-min=5.6km az=189.0

ISC 22 18:26:06.9±0.6, 20.7S:0.1x178.0W:0.1, h500km, n51, s=18450, mb4.2/22, Fiji Islands region

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

22d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like J25K, G21K, E19K, DAWY, K29M, I28M, D22K, H29M, HFS, AKASG, EKA, BRTR, MMAI, GERES, SJA, GUC, ISC, and various IPOC and PATCX stations.

ICC 22 19:04:48.4-1.0, 40.53N-22.35E, h0km, mb3.5/8, mbmp3.6/12, ML3.5/4, MS3.2/2, Error ellipse: s-maj=18.7km s-min=13.1km az=115.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KTI, THE, GRG, HORT, HORT.

2017 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HORT, KNT, SOH, TYRN, LRSO, FNA, FNA, FNA, KPRO, NEST, OUR, XHC, PEHC, KBN, NVR, NVO, NVO, MMB, AGG, AGG, AGG, LSK, MAK, KAVA, EVR, THAS, AXAR, ANX, RZN, RZD, EPT, LIA, VFS, VFS, KEK, KYMI, RDO, KXZ, KXZ, KLV, GUR, GAD, ANA, GOK, ALN, DIM, ENZ, ENZ, CAVK, CAVK, BOZ, BOZ, ECEA, ECEA, KCOA, CNKL, EZN, EZN, GELI, ERIK, ERIK, COMU, RFT, UKOP, UKOP, BAYC, LPK, AYVA, AYVA, EDRB, RKY, SARH, SARH, BURH, KRIB, KRIB, DKL, KIRK, KIRK, KIRK, URLA, URLA, URLA, ARMN, VIZE, VIZE, IDI, MLR, MLR, MLR, BRTR, AKASG, ESDC, HFS, FINES, NOA, NOA, EKA, TORD, BORG, MKAR, ZALV.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KGS1, IDHR, IDHR, ZALV, KGS1, IDHR, IDHR.

1614

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IGHG, IGHG, ILBA, ILBA, ILIN, ILIN, KCHF, KCHF, IBDR, IBDR, IBDR, IKRK, IKRK, IKRK, IKOM, IKOM, SDSD, SDSD, IBZA, IBZA, MAHB, MAHB, HAGD, HAGD, RAFI, RAFI, RAFI, RAFI, IRAZ, IRAZ, IRAS, IRAS, ISHB, ISHB, IHRB, IHRB, IMRD, IMRD, IQOM, IQOM, GRMI, GRMI, IPRI, IPRI, JHBN, JHBN, QAMS, QAMS, MAKU, MAKU, IVRN, IVRN, IKLH, IKLH, IPRI, IPRI, KRSH, KRSH, ISFB, ISFB, GNI, GNI, GNI, GNI, IZEF, IZEF, KLNJ, KLNJ, IRAM, IRAM, ASF, ASF, MMAI, MMAI, EIL, EIL, EIL, EIL, GEYT, GEYT, WSAR, WSAR, WSAR, WSAR, AKTO, AKTO, PLOV, PLOV, AKASG, AKASG, BVAR, BVAR, KURBB, KURBB, FINES, FINES, MKAR, MKAR, HFS, HFS, ZALV, ZALV, TORD, TORD, CMAR, CMAR.

TEH 22 19:15:35.8, 34.77N-45.70E, h11km, 31km, ML3.2, ISN 22 19:15:36.1, 1.0, 34.78N-45.68E, h12km, 99km, ML2.9, ISC 22 19:15:37.3, 1.0, 34.78N-45.65E, h10km, n13, o59417, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OK032, GCO2, KAN14, CROK, CROK, KAN10, KAN17.

1615

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KAN17, KAN05, KAN01, KAN08, OK035, etc.

IDC 22 19:38:08.8 1.3, 0.50N:126.02E, h0km, mb3.4/5, mbtmp3.4/5, Error ellipse: s-maj=136.8km s-min=20.6km az=67.0, Northern Molucca Sea

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

IDC 22 19:46:53.5 1.7, 2.42N:122.88E, h470km, 19km, mb3.5/8, mbtmp4.5/10, Error ellipse: s-maj=30.9km s-min=11.5km az=71.0

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like GTOI, KMSI, MHSI, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR, MORW, USRK, ULN, SONMI, etc.

IDC 22 19:47:11.1 1.0, 3.40'60N:45.78E, h0km, mb4.0/19, mbtmp4.0/26, ML3.9/6, MS3.4/23, Error ellipse: s-maj=17.4km s-min=11.3km az=162.0

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KGS1, KSB, IDHR, etc.

22d 19h

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like IGAR, IZEF, IFIR, etc.

22d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BURAR Bucovina Array, FNA Florida, KKBN Korca, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KLR Kul'dur, USRK Ussuryok Ar., KSRs Korea Array, etc.

1616

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Azm117.0000, NEIC 22.20:22:53.5, NAO 22.20:23:23.4, etc.

22d 20h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like KRUC Moravsky, MORC Moravsky Berou, VRAC Vranov, etc.

2017 NOV

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like BRG comp=Z,46nm,1.4s, BRG comp=E,1um,13.0s, BRG comp=Z,3um,9.5s, etc.

1618

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like SSF Saint Saulge, BSEG Bad Segeberg, AVF Avrill sur Loir, etc.

1619

Table with columns for station name, frequency, power, and other technical details. Includes stations like SOHO, JASK, LCRH, MDT, etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like KURK, TDK, TDK, SATY, etc.

22d 20h

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

22d 20h

USA0B	Ussuriysk Arra	73.48	47l	eP	P	20 34 25.1	-1.2
USRK	Ussuriysk Arra	73.48	47	P	P	20 34 24.7	-1.6
USRK	comp-Z, 4.2nm, 0.9s, baz=276, slow=7.5, SNR=6.1					21 11 46.5	
B21K	Ikpikpuk River	73.54	1	P	P	20 34 27.2	+1.0
D27M	Malcolm River	73.67	356	P	P	20 34 28.2	+1.1
D25K	Kavik River	73.80	358	P	P	20 34 28.8	+1.0
C19K	Lookout Ridge	73.91	3	P	P	20 34 29.1	+0.6
C21K	Knifeblade Rid	74.01	1	P	P	20 34 28.0	-0.9
D24K	Happy Valley	74.02	359	P	P	20 34 30.4	+1.3
INK	Inuvik	74.04	353	P	P	20 34 29.9	+0.8
INK	Inuvik	74.04	353	LR	LR	21 11 08.7	
E28M	Babbage River	74.22	356	IAMB	IAMB	20 34 32.8	
E28M	Babbage River	74.22	356	P	P	20 34 30.6	+0.3
D23K	Nanushuk River	74.23	360	P	P	20 34 31.7	+1.4
C18K	Utukok River	74.29	4	P	P	20 34 32.1	+1.4
D22K	Aiyikyak River	74.31	0	P	P	20 34 32.0	+1.2
E29M	Blow River	74.32	355	IAMB	IAMB	20 34 35.6	
E29M	Blow River	74.32	355	P	P	20 34 31.7	+0.9
C17K	DeLong Mountai	74.35	4	P	P	20 34 32.0	+1.0
D20K	Etiyuk River	74.41	2	P	P	20 34 32.2	+0.9
TOLK	Toolik Lake Re	74.55	359	P	P	20 34 33.1	+1.0
D19K	Kuna River	74.58	3	P	P	20 34 32.6	+0.2
E21K	Kiliik River	74.74	1	P	P	20 34 33.2	0.0
E27K	Coleen River	74.75	356	IAMB	IAMB	20 34 35.9	
E27K	Coleen River	74.75	356	P	P	20 34 34.1	+0.8
KSAR	Wonju Array Be	74.86	54	P	P	20 34 33.5	-0.9
KSAR	Wonju Array Be	74.86	54	P	P	20 34 33.5	-0.9
E20K	Nigu River	74.88	2	P	P	20 34 35.0	+0.8
KSR5	Korea Array	74.88	54	P	P	20 34 33.7	-0.8
KSR5	comp-Z, 4.3nm, 0.7s, baz=304, slow=4.5, SNR=10					21 12 17.5	
F31M	Tsigheitchic	74.90	353	IAMB	IAMB	20 34 36.8	
F31M	Tsigheitchic	74.90	353	P	P	20 34 34.7	+0.6
F30M	Barrier River	74.92	354	P	P	20 34 35.6	+1.3
E25K	Arctic Village	74.98	358	IAMB	IAMB	20 34 37.6	
E25K	Arctic Village	74.98	358	P	P	20 34 35.4	+0.6
E22K	Anaktuvuk Pass	75.06	0	P	P	20 34 36.9	+1.8
E24K	Your Creek	75.10	359	P	P	20 34 36.5	+1.1
E23K	Chandalar	75.13	359	P	P	20 34 37.0	+1.4
F28M	Old Crow	75.22	355	P	P	20 34 36.4	+0.3
F26K	Shenejek River	75.25	357	P	P	20 34 38.1	+1.2
G31M	Satah River	75.45	353	IAMB	IAMB	20 34 39.7	
G31M	Satah River	75.45	353	P	P	20 34 38.4	+1.1
F25K	Christian River	75.52	358	P	P	20 34 39.1	+1.3
E18K	Tukpaheirik C	75.54	4	P	P	20 34 39.1	+1.3
G30M	tAoh Zraii Nji	75.57	354	IAMB	IAMB	20 34 39.8	
G30M	tAoh Zraii Nji	75.57	354	P	P	20 34 39.1	+1.0
SADO	Sadowa	75.63	316	LR	LR	21 08 47.5	
F24K	Squaw Lake	75.65	359	IAMB	IAMB	20 34 41.8	
F24K	Squaw Lake	75.65	359	P	P	20 34 41.1	+2.5
E19K	Redstone River	75.65	2	P	P	20 34 40.3	+1.8
F22K	John River	75.69	0	P	P	20 34 40.9	+2.1
G29M	Pine Creek	75.79	355	IAMB	IAMB	20 34 41.9	
G29M	Pine Creek	75.79	355	P	P	20 34 41.1	+1.8
E17K	Hotham Inlet	75.81	4	P	P	20 34 40.3	+0.9
F21K	Alatina River	75.97	1	IAMB	IAMB	20 34 44.0	
F21K	Alatina River	75.97	1	P	P	20 34 41.5	+1.2
COLD	Coldfoot	75.97	360	P	P	20 34 41.8	+1.5
G26K	Porcupine River	75.99	357	P	P	20 34 42.6	+1.7
F20K	Avaaragt Lake	76.10	2	P	P	20 34 41.3	+0.3
G27K	Doyon Strip	76.12	356	IAMB	IAMB	20 34 43.5	
G27K	Doyon Strip	76.12	356	P	P	20 34 42.6	+1.4
EPYK	Eagle Plains	76.22	354	IAMB	IAMB	20 34 43.6	
EPYK	Eagle Plains	76.22	354	P	P	20 34 42.4	+0.6
F19K	Shaleruckik Mo	76.25	3	P	P	20 34 43.2	+1.3
G22K	Bettles	76.28	0	P	P	20 34 43.5	+1.4
G25K	Bearman Lake	76.36	358	P	P	20 34 44.9	+2.4
YKA	Yellowknife Ar	76.41	343	iP	pmax	20 34 43.7	+0.8
YKA	comp-Z, 1.0nm, 0.9s					20 34 42.9	0.0
YKA	Yellowknife Ar	76.41	343	P	P	20 34 43.0	0.0
YKA	comp-Z, 5.1nm, 1.3s, baz=19, slow=6.0, SNR=6.0					21 09 24.6	
G24K	Hadweenzic Riv	76.46	358	P	P	20 34 44.8	+1.7
F17K	Baldwin Pennin	76.48	4	P	P	20 34 44.9	+1.7
G23K	Bananza Creek	76.49	359	IAMB	IAMB	20 34 46.4	
G23K	Bananza Creek	76.49	359	P	P	20 34 45.5	+2.1
H29M	Whitestone	76.50	355	IAMB	IAMB	20 34 47.2	
H29M	Whitestone	76.50	355	P	P	20 34 45.1	+1.8
G21K	Allakaket	76.68	1	P	P	20 34 46.7	+2.3
H27K	Steamboat Moun	76.69	356	P	P	20 34 46.8	+2.3
H25L	Birch Creek	76.85	358	P	P	20 34 47.3	+2.0
G19K	Purcell Mounta	76.97	2	P	P	20 34 47.7	+1.7
F15K	North Star Dit	76.98	6	P	P	20 34 47.7	+1.6
G18K	Tagagawik	77.16	3	IAMB	IAMB	20 34 49.5	
G18K	Tagagawik	77.16	3	P	P	20 34 48.5	+1.4
I30M	Mount Dempster	77.31	354	IAMB	IAMB	20 34 50.2	
I30M	Mount Dempster	77.31	354	P	P	20 34 49.5	+1.4

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H22K	Ishlatina Cre	77.31	360	P	P	20 34 49.5	+1.5
I27K	Kandik River	77.32	356	P	P	20 34 49.8	+1.7
H24K	Noodor Dome	77.33	359	P	P	20 34 49.3	+1.1
I29M	Ogilvie Camp,	77.34	354	P	P	20 34 49.4	+1.3
I28M	Miner Creek	77.37	355	IAMB	IAMB	20 34 50.6	
I28M	Miner Creek	77.37	355	P	P	20 34 49.1	+0.7
H23K	Yukon River	77.37	359	IAMB	IAMB	20 34 51.8	
H23K	Yukon River	77.37	359	P	P	20 34 49.9	+1.6
G17K	Kiwalik Mounta	77.45	4	P	P	20 34 49.5	+0.8
G16K	Koyuk River	77.46	5	P	P	20 34 47.5	-1.3
SSPA	Standing Stone	77.46	312	P	P	20 34 48.7	-0.6
H21K	Melozitna Rive	77.55	1	IAMB	IAMB	20 34 50.8	+1.6
H21K	Melozitna Rive	77.55	1	P	P	20 34 50.8	+1.6
PRP	Porcupine Dome	77.59	357	IAMB	IAMB	20 34 52.4	
PRP	Porcupine Dome	77.59	357	P	P	20 34 50.0	+0.3
H19K	Roundabout Mou	77.61	2	P	P	20 34 50.9	+1.4
YSS	Yuzh-Sakhalins	77.66	40	P	P	20 34 50.1	-0.1
YSS	Yuzh-Sakhalins	77.66	40	eP	pmax	20 34 51.8	+1.6
H20K	Anotleneega Mo	77.68	1	P	P	20 34 51.2	+1.2
H18K	Honhosa River	77.91	3	P	P	20 34 51.9	+0.6
J30M	Hart River	77.94	353	P	P	20 34 52.2	+0.6
I21K	Tanana	78.03	0	IAMB	IAMB	20 34 55.0	
I21K	Tanana	78.03	0	P	P	20 34 53.3	+1.3
POKR	Poker Plat Res	78.05	358	P	P	20 34 53.6	+1.5
I23K	Minto, Yukon-K	78.05	359	IAMB	IAMB	20 34 55.0	
I23K	Minto, Yukon-K	78.05	359	P	P	20 34 53.1	+1.1
EGAK	Eagle	78.12	356	P	P	20 34 53.5	+1.1
MLY	Manley	78.18	360	P	P	20 34 54.1	+1.2
H16K	Elim	78.22	5	P	P	20 34 53.8	+0.9
ILAR	Eisen Array	78.38	358	P	P	20 34 54.3	+0.4
ILAR	comp-Z, 1.9nm, 0.9s, baz=0.1, slow=3.9, SNR=16					21 11 35.6	
I20K	Naaghdeneel	78.39	1	P	P	20 34 54.9	+1.1
J25K	Salcha River,	78.49	357	P	P	20 34 55.5	+0.9
J26L	Joseph Creek	78.52	357	P	P	20 34 55.4	+0.5
NEA2	Nenana	78.60	359	IAMB	IAMB	20 34 57.4	
NEA2	Nenana	78.60	359	P	P	20 34 56.7	+1.5
DAWY	Dawson	78.70	355	IAMB	IAMB	20 34 58.1	
DAWY	Dawson	78.70	355	P	P	20 34 57.3	+1.5
WRH	Wood River Hil	78.71	359	P	P	20 34 55.5	-0.3
HDA	Harding Lake	78.74	358	IAMB	IAMB	20 34 57.9	
HDA	Harding Lake	78.74	358	P	P	20 34 57.1	+1.2
K29M	Barlow Dome	78.77	354	IAMB	IAMB	20 34 58.8	
K29M	Barlow Dome	78.77	354	P	P	20 34 57.6	+1.4
MAYO	Mayo, Yukon	78.86	353	P	P	20 34 58.0	+1.4
K27K	Chicken	78.92	356	P	P	20 34 58.0	+1.1
J20K	Nowinta River	79.02	1	P	P	20 34 59.1	+1.7
SCRK	Sand Creek	79.07	357	P	P	20 34 59.0	+1.1
SCRK	Sand Creek	79.07	357	IAMB	IAMB	20 35 00.7	
SCRK	Sand Creek	79.07	357	P	P	20 34 59.0	+1.1
BPAW	Bear Paw Mtn.	79.11	360	P	P	20 34 59.3	+1.3
J19K	Poorman	79.17	2	P	P	20 34 60.0	+1.7
MMPY	Sheldon Lake,	79.29	351	IAMB	IAMB	20 35 03.2	
MMPY	Sheldon Lake,	79.29	351	P	P	20 35 00.7	+1.7
K24K	Donnelly Dome	79.31	357	P	P	20 35 00.3	+1.2
CHUM	Lake Minochunin	79.33	0	P	P	20 35 00.8	+1.6
JNU	Nakatsue	79.39	57	LR	LR	21 15 04.3	
MCK	McKie	79.47	359	P	P	20 35 00.9	+1.0
ASAJ	Asahikawa	79.47	42	LR	LR	21 16 40.5	
L29M	L29M	79.55	354	IAMB	IAMB	20 35 03.0	
L29M	L29M	79.55	354	P	P	20 35 01.9	+1.5
J18K	Innoko River	79.66	2	IAMB	IAMB	20 35 04.6	
J18K	Innoko River	79.66	2	P	P	20 35 02.3	+1.4
J16K	Anvik River	79.66	4	P	P	20 35 01.9	+0.9
KTH	Kantishna Hill	79.66	360	IAMB	IAMB	20 35 05.1	
TRF	Thorofore Moun	79.76	359	P	P	20 35 03.3	+1.6
CAST	Castle Rocks	79.80	0	P			

22d 20h

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GDB GEDABAY, MNGR Mingechevir, A, IRAM Ramesher, QAZX Qazax, Azerbaijan, GBS Gubstan, IML Ismayilli, IML Gabala, QBL Pirkuli, GOBU Gobu, GOBA Sheki, SEKA SEKA, ATGJ Altighaj, ATGJ Gala, XNO Khinaliq, XNO Nardaran, NDR Anarak, ANAR Siyaz, SIZA Zakatala, ZKTA Quba, Azerbaijan, QUBA Qusar, QUSAR Qusar, ASF Jabal al Asfar, ASF comp=N, 0.5nm, 0.3s, baz=26, slow=16, SNR=1.8, NATI Move Ativ, NATI Givat HaEm, MMAI Mevet Meron Ar, MMAI comp=N, 1.1nm, 0.3s, baz=76, slow=21, SNR=2.1, HMDT Nathal Hemdat, EIL Elat, EIL comp=N, 0.2nm, 0.3s, baz=120, slow=21, SNR=1.8, GEYT Alibeck, SHME Shamm, NAZ Nazwa, Dubai, MSFE Esma-Masafi, ASUD Ai Ashush, Dub, FAQ Ai Faqa, Dubai, UOSS Minazif, UOSS Minazif, HATD Hatta, Dubai, MZR Muzera, IZR Herat, SOHO SOHO, WSAR Wadi Sarin, WSAR comp=N, 0.3nm, 0.3s, baz=142, slow=22, SNR=1.5, BELG Belogomony, ABKAR Akbulak array, ABKAR Akbulak array, AKTO Aktyubinsk, MLR Muntele Rosu, KBL Kabul, AKASG Malin Array Be, AKBB Malin Array Si, BURAR Buocovina Arr, BUR08 Buocovina Ar, S FNA Florina, GAR Garm, BTK Batken, KKKAR Karatay Array, DIVS Divibare, KOLS Kolonice sedi, ARS08 Arsenbob, ARU Nilore, ARU Aru, KIRV Kirov, KSH Kashi, NRN Naryn, SUW Suwalki, BVAR Borovoye Array, KURBB Kurchatov Arra, KURBB Kurchatov, KURK Kurchatov, FINES FINESS Array B, KEST Kesra, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, BNI Bardonecchia, LOPK Lodwar, LODK Hagfors, ZALV Zalesovo Beam, ZALV Zalesovo Beam, EKA Eskdalemuir Ar, ESKD ESKD, ESCD Sonseca Array.

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Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GOMU GeErMu, GOMU GOMU, GOMU GOMU, GOMU GOMU, TORO Torodi Ar, BEA 45.11 253, SPITS Spitsbergen Ar, SONM Songino Array, SONM ULN Ulanbaatar, CMAR Chiang Mai Arr, DBIC Dimbokro, YAK Yakutsk, KRSR Korea Array, IMAR Indian Mountain, G31M Satah River, ILAR Eielson Array, YKA Yellowknife Arr, IDC 22:20:40:06.1+1.3, 14:01N:144.39E, GUMO Guam, H11S WAKE ISLAND HY 22.05 75 T, H11S1 WAKE ISLAND HY 22.06 75 T, H11S2 WAKE ISLAND HY 22.06 75 T, H11N1 WAKE ISLAND HY 22.45 75 T, H11N2 WAKE ISLAND HY 22.45 72 T, H11N3 WAKE ISLAND HY 22.46 72 T, MJAR Matsushiro Arr, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arra, NEIC 22:20:42:08.1+1.1, 11:12N:0.07:62:2W, TRN 22:20:42:08.4, 11:02N:61:98W, TRN Felt in Trinidad, IDC 22:20:42:09.3+1.9, 11:15N:62:44W, CAR 22:20:42:09.1+0.0, 11:11N:62:13W, FUNV 22:20:42:09.1, 11:11N:62:14W, STATION Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TRN Trinidad (W), CRUV Carupano, GRGR Grenville, GRGR Grenville, GRGR Mount Saint Ca, GRW GRSW, GHS Sauteurs, GHS GHS, GRSS Sisters, GCMP Grenada, Carri, GCMP GCMP, CUMV Cumana, UDO 2.04 252, SVOC Richmond Hill, SVOC SVOC, SVB Belmont, SVV Soufriere Volc, SSV Crater Summit, PCRVR Puerto La Cruz, PCRVR PCRVR, SLBI Saint Lucia, B, SLBI SLBI, BCHC Barbados, Cave, PRGV PARIAGUAN, PRGV PRGV, BBGH Gun Hill, BBGH Gun Hill, BIM Bigot, MPOM MPOM, MPOM MPOM, FDF Fort de France, FDF Fort de France, SVN Savane Anatole, ILAM Ilet Lapin Mar, ILAM ILAM, MERV Las Mercedes, MERV MERV, FUNV FUNVISIS, TACV Tcata, TACV TACV, MAGL Barre de l'ile.

1622

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MAGL Barre de l'ile, MAGL Barre de l'ile, CBE Ff, Capeste, CBE Ff, Capeste, CBE Ff, Capeste, GSD Desirade Is, BENV Beln, ABD La Joyeuse, An, ABD La Joyeuse, An, ABD La Joyeuse, An, CACV CAICARA DEL OR, TURV Turiamo, TURV TURV, MLTY Lee's Yard, MLTY Lee's Yard, MBFL Flemmings, Mon, ANBD Bethesda, Anti, ANBD Bethesda, Anti, ANDO Antigua, Disas, ANDO Antigua, Disas, GAUV Ei Baul, GAUV Ei Baul, BAUV Ei Baul, BAUV Ei Baul, BAUV Ei Baul, JACV Japura, JACV Japura, TEPV Terepaima, TEPV Terepaima, SMRT St. Maarten, SANV Sanarito, SIQV Siquisique, CURV Curarigua, SDV Santo Domingo, SDV Santo Domingo, BOAV Boa Vista, SOCV Socops, SOCV Socops, MDP Montagnes des, MDP MDP, SAML Samouel, SAML Samouel, ETMB Extrema, ETMB Extrema, SOR Soroa, SOR Soroa, MCRA Macar, Loja, LPAZ La Paz, LPAZ La Paz, BDFB Brasilia, BDFB Brasilia, PB16 IROC Station P, PB16 IROC Station P, TZTN Tazewell, PB07 IROC Station P, PLAL Pickwick Lake, PLAL Pickwick Lake, WVT Waverly, WVT Waverly, LVC Limon Verde, LVC Limon Verde, CGM3 Cape Girardeau, CGM3 Cape Girardeau, CPUP Villa Florida, CPUP Villa Florida, S39A Bolivar, BRDY Brady, BRDY Brady, WMOK Wachi Marueta, K3BA Parkersburg, SAND Sanderson, SAND Sanderson, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, TX32 Lajitas Array, TX32 Lajitas Array, SCH0 Schefferville, SCH0 Schefferville, ULM Lac du Bonnet, ULM Lac du Bonnet, PD31 Pinedale Array, PDAR Pinedale Array, PLCA Paso Flores, PLCA Paso Flores, ESCD Sonseca Array, ESCD Sonseca Array, TORO Torodi Ar, BEA 62.38 81 P, YKA Yellowknife Arr, NOA NORPAR Array B, GERES GERES Array B, G31M Satah River, G31M Satah River, HFS Hagfors, SPITS Spitsbergen Ar, ILAR Lajitas Array, ARCES ARCES Array B, FINES FINESS Array B, PZH Panzhihua, CMAR Chiang Mai Arr, LYMT Lyon Mountain, LYMT Lyon Mountain, ELMT Elliston, ELMT Elliston.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like OVMT Ovando, CHMT Chamberlain Mo, BPMT Black Pine Rid, MSO Missoula, LRM Limekiln Ridge, BOZ Bozeman (W), etc.

JMA 22:20:44.41.3.0.9,46°N,114°51'05"E, h30km, MV4.2/11, KURILE ISLANDS REGION, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NEM2 Nemuro 2, JNK Nakashi, JTKR Ashohiro-Toko, etc.

JMA 22:20:47.26.9.0.1,24.3N,105.5E, h26km, MV2.9/10, NEAR ISHIGAKI/JIMA ISLAND

ISC 22:20:47.26.6.1.5,24.20N,108.123.56E, h47km, 11km, n13, r0552/21, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IRIF Iriomote-Funau, HATJ Hateruma jima, JKRS Kuro-shima, etc.

ISC 22:20:47.33.9.1.1,37.09N,128.67E, h0km, mb3.6/3, mbmp3.8/11, ML3.6/8, MS3.3/1, Error ellipse: s-maj=17.4km s-min=15.4km az=170.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AFAD 22:20:47.34.0.0.0, THE 22:20:47.35.0.37, etc.

ISC 22:20:47.34.5.1.0,37.14N,128.59E, h0km, ML3.5/3, Error ellipse: s-maj=1.2km s-min=0.6km az=26.0

ISC 22:20:47.34.5.1.0,37.14N,128.59E, h0km, ML3.5/3, Error ellipse: s-maj=1.2km s-min=0.6km az=26.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like YER Yerkesik, DALY Dalyan (Mula), TAVN Turunc, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ZIMR Aydin, Didim, DDIM Elmalı, GELL G?zelcami?, etc.

CATAC 22:20:49.52.0.4, 12.32N, 86.98W, h89km, 5km, ML3.3, Hypocentre not reviewed by the ISC

ISC 22:20:49.52.0.3.8, 12.38N, 86.81W, h120km, 65km, mb3.2/1, mbmp3.5/2, Error ellipse: s-maj=251.9km s-min=40.3km az=54.0, Nicaragua

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CNGN Cerro Negro, ILCN San Idefonso, MOMM Momotombo, etc.

BUT 22:20:55.0.1.2, 46.92N, 112.42W, 0.05, h8km, 4km, Error ellipse: s-maj=6.3km s-min=2.5km az=222.0

NEIC 22:20:55.6.0.7, 46.87N, 112.48W, 0.04, h5km, 1km, ML3.0/50, ML3.4/18(BUT), Error ellipse: s-maj=6.5km s-min=2.9km az=46.0, Montana

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BEMT Mount Belmont, LYMT Lyon Mountain, ELMT Elliston, etc.

Table with columns: TOAO, comp, IAMB, IAMB, 21 55 43.7, TOR, Torodi Ar. Bea, 76.15 69 P P, 21 55 41.8 +1.3, TOR, Torodi Ar. Bea, 76.15 69 P P, 21 55 41.5 +1.0, MKAR Makanchi Array, 145.60 38 PKPbc PKPab, 22 03 32.0 +2.4, PZH PanZhiHua, 169.13 68 PKP PKPdf, 22 03 56.1 -1.8

Glll 22 21:48:10.4, 0.0, 34.52N; 25.71E, h20km, MD3.5/4, Mm3.6/13
IDC 22 21:48:14.2, 1.0, 34.35N; 25.74E, h0km, mb3.8/8, mbmp3.9/13, ML3.5/5, Error ellipse: s-maj=21.3km s-min=14.3km az=15.0
ISK 22 21:48:16.6, 34.26N; 25.65E, h18km, ML3.6/23
THE 22 21:48:20.1, 34.39N; 25.65E, h10km, 2km, ML3.7/5, Error ellipse: s-maj=2.4km s-min=0.9km az=106.0
AFAD 22 21:48:24.0, 0.0, 34.80N; 26.04E, h7km, 2km, MW3.8
ISC 22 21:48:15.0, 0.7, 34.12N; 0.05; 25.73E; 0.04, h21km, 4km, n106, c2637/136, mb3.9/8, Orete

Main table for station 1625 with columns: Code, Station Name, Az, Az, Phase ID, Time Res, ISC, h m s, ISC, FRMA Ierapetra Chan, 0.89 0 P S, 21 48 32.4 +0.6, ZKR Zakros, 1.07 22 Pg Pb, 21 48 36.3 +1.5, ZKR Zakros, 1.07 22 Pg Pb, 21 48 36.6 +1.8, ZKR Zakros, 1.07 22 Pg Pb, 21 48 36.6 +1.8, ZKR Zakros, 1.07 22 Pg Pb, 21 48 36.6 +1.8, TMBK Timbaki Herakli, 1.24 320 P P, 21 48 38.5 +0.8, HRKL Herakleio, 1.30 337 Pn Pn, 21 48 38.1 +0.2, HRKL Herakleio, 1.30 337 Pn Pn, 21 48 53.9 -0.7, HRKL Herakleio, 1.30 337 Pn Pn, 21 48 39.1 +1.2, HRKL Herakleio, 1.30 337 Pn Pn, 21 48 53.7 -0.9, KSTL Kastelli Herak, 1.30 335 P P, 21 48 36.0 -2.0, KSTL Kastelli Herak, 1.30 335 P P, 21 48 47.7 -6.0, IACM Heraklion, 1.30 335 S S, 21 48 39.4 +0.6, IACM Heraklion, 1.30 335 S S, 21 48 53.5 -1.2, IDI Anoyia, 1.35 329 Pn Pn, 21 48 39.1 +0.3, IDI Anoyia, 1.35 329 Pn Pn, 21 48 55.3 -0.9, IDI Anoyia, 1.35 329 Pn Pn, 21 48 39.8 +0.9, IDI Anoyia, 1.35 329 Pn Pn, 21 48 55.5 -0.7, IDI Anoyia, 1.35 329 Pn Pn, 21 48 39.9 +1.1, IDI Anoyia, 1.35 329 Pn Pn, 21 48 39.7 +0.9, IDI Anoyia, 1.35 329 Pn Pn, 21 48 55.9 -0.3, GVD Gavdhos, 1.54 298 Pn Pn, 21 48 41.9 -0.9, GVD Gavdhos, 1.54 298 Pn Pn, 21 48 42.9 +0.1, PRNS Prines Rethymn, 1.60 321 P P, 21 48 44.1 +0.2, KARP Karpathos, 1.84 39 Pn Pn, 21 48 47.3 +1.8, KARP Karpathos, 1.84 39 Pn Pn, 21 48 47.3 +1.8, KARP Karpathos, 1.84 39 Pn Pn, 21 48 49.1 +1.0, IMMV Iera Moni Meta, 1.96 313 Pn Pn, 21 48 47.9 +0.8, IMMV Iera Moni Meta, 1.96 313 Pn Pn, 21 48 48.8 +1.7, RODP Rodopos, 2.17 312 Pn Pn, 21 48 50.6 +0.7, RODP Rodopos, 2.17 312 Pn Pn, 21 48 51.9 +2.0, SAANT Santorini, 2.26 354 Pn Pn, 21 48 41.0 +0.7, SAANT Santorini, 2.26 354 Pn Pn, 21 48 51.1 -0.1, ANKY Antikythira Is, 2.65 312 Pn Pn, 21 48 58.6 +2.1, NIS1 Nisyros Isl., 2.74 25 Pn Pn, 21 48 59.6 +1.8, KOSK Kos Island, 2.81 21 Pn Pn, 21 49 00.4 +1.6, ARG Arhangelos, 2.87 43 Pn Pn, 21 49 02.2 +5.1, ARG Arhangelos, 2.87 43 Pn Pn, 21 49 03.0 +3.5, APE Apeiranthos, 2.95 37 Pn Pn, 21 49 01.5 +0.8, APE Apeiranthos, 2.95 37 Pn Pn, 21 49 00.7 -0.0, APE Apeiranthos, 2.95 357 Pn Pn, 21 48 58.5 -2.2, APE Apeiranthos, 2.95 357 Pn Pn, 21 49 19.0 -1.6, DAT Datica, 3.01 30 Pn Pn, 21 49 03.4 +1.8, DAT Datica, 3.01 30 Pn Pn, 21 49 03.3 +1.7, DAT Datica, 3.01 30 Pn Pn, 21 49 03.4 +1.8, DAT Datica, 3.01 30 Pn Pn, 21 49 31.2 -5.8, RFTB Kemer-Bodrum, 3.10 23 Pn Pn, 21 49 05.1 +2.4, BODT Bodrum, 3.20 23 Pn Pn, 21 49 05.7 +1.5, BODT Bodrum, 3.20 23 Pn Pn, 21 49 06.2 +1.2, BDRM Kayabasi, 3.25 25 Pn Pn, 21 49 05.8 +1.0, RFTAA Mazikoy-Bodrum, 3.31 29 Pn Pn, 21 49 07.4 +1.9, TURN Turunc, 3.35 37 Pn Pn, 21 49 08.4 +2.3, TURN Turunc, 3.35 37 Pn Pn, 21 49 07.9 +1.8, TURN Turunc, 3.35 37 Pn Pn, 21 49 04.2 +5.1, ML5B Milas, 3.58 27 Pn Pn, 21 49 11.5 +2.2, DALY Dalian (Mula), 3.59 41 Pn Pn, 21 49 12.5 +3.0, YER Yerkesik, 3.65 34 Pn Pn, 21 49 12.8 +2.4, YER Yerkesik, 3.65 34 Pn Pn, 21 49 12.6 +2.2, IZZE Mila-Seydiktepe, 3.67 50 S S, 21 49 13.4 +2.7, IZZE Mila-Seydiktepe, 3.67 50 S S, 21 49 08.3 +3.3, FETY Fethiye, 3.71 47 Pn Pn, 21 49 13.6 +2.4, GCAM G'zeicaml?, 3.77 18 Pn Pn, 21 49 13.8 +1.8, AKAS Kas, 3.81 55 Pn Pn, 21 49 15.7 +3.1, AKAS Kas, 3.81 55 Pn Pn, 21 49 15.5 +2.9, AKAS Kas, 3.81 55 Pn Pn, 21 49 14.2 +2.6, CAEL Denizli, Camel, 4.18 43 Pn Pn, 21 49 20.5 +2.8, TAVA DENIZLI_Tavas, 4.22 37 Pn Pn, 21 49 19.9 +1.7, TAVA DENIZLI_Tavas, 4.22 37 Pn Pn, 21 49 57.8 -9.2, ELL Elmali, 4.30 51 Pn Pn, 21 49 22.7 +3.3, AKUM Antalya-Kumluc, 4.37 59 Pn Pn, 21 49 22.4 +2.3, AKUM Antalya-Kumluc, 4.37 59 Pn Pn, 21 49 22.4 +2.3, AKUM Antalya-Kumluc, 4.37 59 Pn Pn, 21 49 22.4 +2.3, IZMR zmir-demi, 4.39 24 Pn Pn, 21 49 21.9 +1.4, GOLH Golhisar, 4.40 44 Pn Pn, 21 49 23.4 +2.6, GOLH Golhisar, 4.40 44 Pn Pn, 21 50 05.2 -6.2, DNIZ Denizli-Tavas-, 4.41 37 Pn Pn, 21 49 21.5 +0.7, APMY Acipayam-Deniz, 4.43 40 Pn Pn, 21 49 23.7 +2.7, KORT Korkuei, 4.74 51 S S, 21 49 30.1 +5.2, BRDR BURDUR-Merkez, 5.01 43 Pn Pn, 21 49 31.5 +2.5, PASA Karahalli, USA, 5.20 35 Pn Pn, 21 49 33.0 +1.4, PASA Karahalli, USA, 5.20 35 Pn Pn, 21 50 17.9 -1.3, SUTC Sutluce-Ispart, 5.43 50 Pn Pn, 21 49 36.6 +4.7, SUTC Sutluce-Ispart, 5.43 50 Pn Pn, 21 49 33.7 +3.7, KZIL AFYON Kizoren, 5.45 40 Pn Pn, 21 49 36.3 +1.1, KEPZ Antalya-Kepez, 5.53 58 Pn Pn, 21 49 39.3 +3.1, KEPZ Antalya-Kepez, 5.53 58 Pn Pn, 21 50 31.0 -8.2, GAZI Gazipasa, 5.79 67 Pn Pn, 21 49 42.5 +2.8, GAZI Gazipasa, 5.79 67 Pn Pn, 21 49 43.4 +2.6, SEDI Konya, Seydiktepe, 5.92 54 Pn Pn, 21 49 45.8 +4.3, SEDI Konya, Seydiktepe, 5.92 54 Pn Pn, 21 50 43.1 -5.6, CSS Mathiatis, 6.33 80 Pn Pn, 21 49 44.3 -2.8, CSS Mathiatis, 6.33 80 Pn Pn, 21 50 54.3 -4.4, OFRI Ofer, 7.88 98 Sn Sn, 21 51 35.5 -1.6, OFRI Ofer, 7.88 98 Sn Sn, 21 51 45.9 +1.1, HNTI Hanita, 7.95 95 Sn Sn, 21 51 39.4 -0.3, KZIT Kiziot, 7.99 111 Sn Sn, 21 51 39.4 -0.3, SLTI Salit, 8.03 101 Pn Pn, 21 50 07.8 -2.6, SLTI Salit, 8.03 101 Pn Pn, 21 51 39.3 -1.2, BLGI Bet Lehem HaGe, 8.03 97 Sn Sn, 21 51 38.2 -2.4, MM48B Mount Meron ar, 8.15 95 Sn Sn, 21 50 17.4 -1.0, MM48B Mount Meron ar, 8.15 95 Sn Sn, 21 51 40.9 -2.7, MM41 Mount Meron Ar, 8.15 95 Pn Pn, 21 50 15.9 +3.7, MM41 Mount Meron Ar, 8.15 95 Pn Pn, 21 51 43.9 +0.3, MM41 Mount Meron Ar, 8.15 106 Sn Sn, 21 51 43.9 +0.3, AMAZ Amatzia, 8.15 106 Sn Sn, 21 50 09.3 -2.8, AMAZ Amatzia, 8.15 106 Sn Sn, 21 51 42.5 -1.1, SALP Salfit, 8.20 102 Pn Pn, 21 50 09.9 -2.9, SALP Salfit, 8.20 102 Pn Pn, 21 51 43.8 -1.0, GEM Giv'at Ha'Em, 8.33 94 Pn Pn, 21 50 11.7 -2.9, GEM Giv'at Ha'Em, 8.33 94 Pn Pn, 21 51 45.2 -2.7, YTRT Yatir, 8.37 107 Pn Pn, 21 50 13.3 -1.9, YTRT Yatir, 8.37 107 Pn Pn, 21 51 48.6 -0.5, NATI Neve Ativ, 8.38 93 Pn Pn, 21 50 12.6 -2.7, NATI Neve Ativ, 8.38 93 Pn Pn, 21 51 47.3 -2.0, HMDT Nahal Hemdat, 8.42 100 Pn Pn, 21 50 13.5 -2.3, HMDT Nahal Hemdat, 8.42 100 Pn Pn, 21 51 49.1 -1.1, UJAP Ai Uja, 8.45 102 Sn Sn, 21 51 50.0 -1.0, DSI Dead Sea, 8.51 105 Sn Sn, 21 51 51.5 -0.9, MDBI Mazsada, 8.58 106 Pn Pn, 21 50 15.3 -2.7, MDBI Mazsada, 8.58 106 Pn Pn, 21 51 53.3 -0.8, KRMI Paran Flat, 8.61 115 Sn Sn, 21 50 17.4 -1.0, PRNI Paran, 8.71 113 Pn Pn, 21 50 18.7 -1.1, ZFRI Zfiri, 8.75 111 Pn Pn, 21 50 18.7 -1.6, WALJ Wala, 8.86 104 Pn Pn, 21 50 27.2 +5.4, HRFI Mount Harif, 8.88 115 Pn Pn, 21 50 20.7 -1.5, HRFI Mount Harif, 8.88 115 Pn Pn, 21 50 20.7 +0.8, MBRI Mt Berech, 8.91 116 P P, 21 50 28.1 +5.4

Table with columns: EIL Elat, 9.01 117 Pn Pn, 21 50 22.1 -1.8, EIL Elat, 9.01 117 Pn Pn, 21 50 25.2 +0.6, EIL Elat, 9.01 117 Pn Pn, 21 50 27.6 +3.8, EIL Elat, 9.01 117 Pn Pn, 21 52 03.7 -0.9, ASF Jabal al Asfar, 9.56 99 Pn Pn, 21 50 34.8 +3.2, ASF Jabal al Asfar, 9.56 99 Pn Pn, 21 52 16.9 -1.5, VAE Valguarnera, 9.79 293 Pn Pn, 21 50 35.8 +1.2, VAE Valguarnera, 9.79 293 Pn Pn, 21 52 14.3 -9.5, KBA Kneibinsper, 15.97 328 ePn Pn, 21 52 03.5 +1.5, ABTA Abfattersbach, 16.11 325 Pn Pn, 21 52 03.8 +0.4, KBZ Khabaz, 16.42 49 Pn Pn, 21 52 05.5 +1.9, AKASO Malin Array Be, 16.77 8 Pn Pn, 21 52 07.9 -0.5, ESCO Sonsea Array, 24.32 292 P P, 21 53 31.4 +0.1, FINES FINES Array B, 27.34 0 P P, 21 53 56.5 -1.7, EKA Eskdalemuir Ar, 29.16 325 P P, 21 54 16.4 +1.8, TORO Torodi Ar. Bea, 30.20 232 P P, 21 54 27.9 +3.7, KURBS Karchatov Arra, 41.41 50 P P, 21 56 01.1 +1.3, MKAR Makanchi Array, 43.96 56 P P, 21 56 21.9 +1.3, ZALV Zalesovo Beam, 45.39 45 P P, 21 56 32.8 +1.0, SONMI Songoing Array, 59.78 50 P P, 21 58 18.3 -0.3

IDC 22 21:11:44.9, 2.7, 2.77S; 139.13E, h0km, mb3.9/3, mbmp3.9/4, ML4.3/2, Error ellipse: s-maj=72.5km s-min=26.5km az=85.0
DJA 22 21:11:50.9, 0.3, 3.3 S; 4.13 E, h10km, M4.4/8, mb4.4/8, ML4.3/7
ISC 22 21:11:50.2, 0.8, 2.96S; 0.09; 138.57E; 0.08, h10km, n12, c1929/12, mb3.9/3, Irian Jaya

Table with columns: Code, Station Name, Az, Az, Phase ID, Time Res, ISC, h m s, ISC, SMPI Sarmi, 0.98 8 Op P, 21 12 09.0 -0.1, GENI Genyem, 1.64 77 P P, 21 12 21.3 +0.8, JAY Jayapura, 2.18 78 P P, 21 12 27.4 +0.8, RKPI Ransiki, Papua, 4.62 288 P P, 21 13 00.4 +0.2, SWI Sorong, 7.60 286 P P, 21 13 42.5 +1.4, SOEI Soe, 15.73 244 P P, 21 15 33.4 +1.2, GTOI Gorontalo, 15.96 283 P P, 21 15 36.8 +1.7, BATI Baumata, 16.46 243 P P, 21 15 45.1 +0.9, WRA Warramunga Arr, 17.38 193 P P, 21 15 52.0 -1.0, ASAR Alice Springs, 21.07 192 P P, 21 16 34.2 -0.6, CMAR Chang Mai Arr, 44.44 300 P P, 22 20 00.4 -1.5, MKAR Makanchi Array, 69.90 323 P P, 22 22 59.9 -1.7, SOME 22 22:14:49.8, 42'23N; 79.40E, h15km, NNC 22 22:14:49.2, 1.8, 42'28N; 79.54E, h0km, mb3.3, mpv3.0, Error ellipse: s-maj=11.2km s-min=6.5km az=151.0, KRNET 22 22:14:50.0, 1.4, 42'17N; 79.39E, mb2.4, ISC 22 22:14:48.1, 1.7, 42'17N; 0.05; 79.44E; 0.05, h6km, 1.1km, n38, c088/55, 13C-AD, Lake Issyk-Kul region

Table with columns: DJR Jarkent, 2.18 7 Pg Pb, 22 15 28.4 +0.4, DJR Jarkent, 1.0nm, 0.2s, Lg Lg, 22 15 56.0, DJR Jarkent, 18nm, 0.3s, 2.18 7 ePg Pb, 22 15 28.4 +0.4, DJR Jarkent, 1.0nm, 0.2s, eLg Lg, 22 15 56.0, KNOS Konyrien, 2.20 355 Pg Pb, 22 15 28.4 +0.1, KNOS Konyrien, 2.4nm, 0.2s, Lg Lg, 22 15 56.1, ARXS Arharly, 2.36 331 ePg Pb, 22 15 31.4 +0.4, ARXS Arharly, 2.2nm, 0.3s, eLg Lg, 22 16 01.7, ULHL Ulhal, 2.38 273 iIP S, 22 15 31.6 +0.1, ULHL Ulhal, baz=74, 2.38 273 iIP S, 22 16 01.3 +0.1, MTBS Malitube, 2.42 294 ePg Pb, 22 15 32.5 +0.4, MTBS Malitube, 2.4nm, 0.3s, eLg Lg, 22 16 02.8, CHKK Chushkaly, 2.46 314 Pg Pb, 22 15 34.2 +1.4, CHKK Chushkaly, 6.8nm, 0.3s, Lg Lg, 22 16 06.2, CHKK Chushkaly, 2.46 314 ePg Pb, 22 15 34.2 +1.4, CHKK Chushkaly, 6.8nm, 0.3s, eLg Lg, 22 16 06.2, KTBS Karatobe, 2.55 308 Pg Pb, 22 15 35.2 +1.0, KTBS Karatobe, 6.2nm, 0.4s, Lg Lg, 22 16 07.6, KTBS Karatobe, 2.55 308 ePg Pb, 22 15 35.2 +1.0, BOOM Boomsokoye usch, 2.62 278 iEP Pb, 22 15 34.9 -0.6, BOOM Boomsokoye usch, baz=79, iEP S, 22 16 07.8 -0.2, NRN Naryn, 2.68 255 iJP S, 22 15 36.1 -0.5, NRN Naryn, baz=56, iJP S, 22 16 09.7 -0.1, KST Kastek, 2.71 290 ePg Pb, 22 15 37.7 +0.6, KST Kastek, 3.4nm, 0.5s, eLg Lg, 22 16 11.8, DGS Degeres, 2.91 293 Pg Pb, 22 15 42.4 +2.0, DGS Degeres, 2.0nm, 0.4s, Lg Lg, 22 16 20.4, DGS Degeres, 2.91 293 ePg Pb, 22 15 42.5 +2.0, DGS Degeres, 2.0nm, 0.4s, eLg Lg, 22 16 20.4, TKM2 Tokmak 2, 2.94 286 iPn Pb, 22 15 41.5 +0.5, TKM2 Tokmak 2, 1.4nm, 0.9s, iPn S, 22 16 20.9 -1.6, TKM2 Tokmak 2, 2.94 286 iJP S, 22 15 39.5 -1.5, TKM2 Tokmak 2, baz=87, iJP S, 22 16 15.3 -2.0, KRBS Karabastau, 3.16 300 ePg Pb, 22 15 45.6 +1.0, KRBS Karabastau, 1.9nm, 0.2s, eLg Lg, 22 16 25.6, SGDS Gogindiy, 3.77 292 Lg Pb, 22 16 43.9, MAK2 Makanchi, 4.98 20 iPn Pn, 22 16 03.6 +0.2, MK31 Makanchi Array, 5.05 23 Pn Pn, 22 16 04.3 -0.1, MK31 Makanchi Array, 5.05 23 Pn Pn, 22 16 04.3 -0.1

ASIES 22 22:19:42.8, 23.60N; 120.74E, h14km, ML3.9, Mw3.4, Moment Tensor Solution. Moment tensor: Scale 10^21Nm; Mno: 1.6; Mho: 0.45; Mvo: -0.25; Mxx: -1.54; Myy: -0.15; Fault plane solution: Mo: 1.65459x10^21 Np: 1.80; 73.0000°, 83.7; 7700°, Az: 170.97000°, NP2: 350.37000°, 83.0; 89000°, Az: 2.26000°. Principal axes: T Plg4.7790°, Azm215.2150°, N Plg80.7030°, Azm94.4990°, P Plg7.9550°, Azm305.8840°; JMA 22 22:19:42.8, 23.60N; 120.74E, h14km, ML3.9, B TAIWAN REGION, TAP 22 22:19:42.8, 23.60N; 120.74E, h14km, ML3.9, B ISC 22 22:19:42.8, 23.60N; 0.01; 120.74E; 0.01, h16km, 5km, n169, c0863/274, 47C-16D, Taiwan

Table with columns: CHNS Tsauling, 0.05 270 iEP P, 22 19 45.0 0.0, CHNS Tsauling, baz=272, iS S, 22 19 48.0 +0.2, ALS Alshayb, 0.11 144 iJP Pb, 22 19 47.0 +0.2, ALS Alshayb, baz=142, iS S, 22 19 49.8 +0.5, WHYT Xinyi Township, 0.15 47 iIP Pb, 22 19 47.2 -0.1, WHYT Xinyi Township, baz=45, iS S, 22 19 50.3 0.0, WGK Gukeng, 0.18 299 iP Pb, 22 19 47.8 -0.1, WGK Gukeng, baz=300, iS S, 22 19 51.7 +0.4, WCKO Fanlu, 0.20 218 iIP Pb, 22 19 47.9 -0.3, WCKO Fanlu, baz=212, iS S, 22 19 51.7 +0.4, WDLH Douliu, 0.20 297 iP Pb, 22 19 48.1 +0.1, WDLH Douliu, baz=296, iS S, 22 19 52.9 +1.0, WJS Zhushan, 0.22 358 iIP S, 22 19 48.7 0.0, WJS Zhushan, baz=347, iS S, 22 19 52.9 +0.4, CHN2 Minshiung, 0.25 255 iIP Pb, 22 19 49.1 +0.1, CHN2 Minshiung, baz=257, iS S, 22 19 53.9 +0.7, SSLB Suanglung, 0.28 46 iP Pb, 22 19 49.3 -0.2, SSLB Suanglung, 0.28 46 iP Pb, 22 19 49.3 -0.2, SSLB Suanglung, baz=46, iS S, 22 19 53.8 -0.2, CHN4 Tsauhsan, 0.28 208 iIP Pb, 22 19 49.4 -0.1, CHN4 Tsauhsan, baz=199, S S, 22 19 54.8 +0.8, WNT Mingjing, 0.28 350 P Pb, 22 19 54.8 +0.2, WNT Mingjing, baz=351, iS S, 22 19 54.8 +0.5, CHY Chiyai, 0.30 251 iIP Pb, 22 19 50.0 +0.1, CHY Chiyai, baz=251, iS S, 22 19 55.6 +0.9, TPUB Ta-Pu, 0.31 198 P Pb, 22 19 49.8 -0.3, TPUB Ta-Pu, baz=195, S S, 22 19 54.9 0.0, WNT1 Nantou City, 0.31 350 P Pb, 22 19 50.4 +0.3, WNT1 Nantou City, baz=350, iS S, 22 19 55.5 +0.4, SMLT Sun Moon Lake, 0.32 28 iIP Pb, 22 19 50.4 0.0, SMLT Sun Moon Lake, baz=28, S S, 22 19 55.7 +0.3, TYC Yuchr, 0.33 20 iIP Pb, 22 19 50.4 +0.1, TYC Yuchr, baz=21, iS S, 22 19 50.4 +0.6, WTK Tuku, 0.33 286 iJP Pb, 22 19 50.6 +0.2, WTK Tuku, baz=286, S S, 22 19 56.6 +1.1, WTP Ta-Pu, 0.37 198 iIP Pb, 22 19 50.8 -0.3, WTP Ta-Pu, baz=194, S S, 22 19 57.1 +0.5

22d 22h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like WYL Yuanlin Townsh, TWK Hsinying, WVDT WVDT, etc.

2017 NOV

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ECBN Changbin, WHF Hehuan Shan, WHF Hehuan Shan, etc.

1626

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like HSN, SCZT Fanglei, SCZT Fanglei, etc.

IGL 22:22:33.39,6:62N-11:10W, h 13km, ML 1.2
INMG 22:22:33.40,7:1.1,36:62N-11:08W, h 19km, ML 1.8,
Error ellipses: s-major=19.7km s-min=8.0km az=82.0
CNRM 22:22:33.44,3:36:16N-10:57W, h27km, ml2.9
ISC 22:22:33.65,2:6:36:50N,0:06:11:3W,0.2,h35km,n18,
a178/32, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like PFI Vila Bispo, MORF Marletele, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PESTR Estremoz, PBAR Barrancos, PMRV Marv??o, etc.

ICD 22:22:37.15.4.43.0, 20:30S:-179.74W, h533km, m202km, mb2.7/3, mbtmp3.7/4, Error ellipse: s-maj=975.3km s-min=122.2km az=85.0, FliJ Islands region

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

ICD 22:22:37.31.6.0, 40:54N:22:41E, h0km, mb4.1/19, mbmp4.0/28, ML4.0/9, MS3.5/27, Error ellipse: s-maj=11.2km s-min=10.2km az=119.0

SKO 22:22:37.33.0, 40:45N:22:65E, h4km, ML4.6 MOS 22:22:37.33.0, 40:50N:22:53E, h14km, mb4.4/19, Error ellipse: s-maj=5.0km s-min=3.0km az=81.5

ISK 22:22:37.33.9, 40:51N:22:52E, h12km, ML4.4/29 BEO 22:22:37.34.0, 40:45N:22:52E, h14km, ML4.2/13 THE 22:22:37.34.9, 40:51N:22:54E, h2km, ML4.3/10, Error ellipse: s-maj=1.9km s-min=0.4km az=200.0

SOF 22:22:37.34.9, 40:54N:22:54E, h20km, MD4.6 MED. RC 22:22:37.34.0, 40:51N:22:54E, h13km, MW4.5/17, Moment Tensor Solution, Mantle waves: s17, c24; Duration: 1s0 Moment tensor: Scale 10^15Nm; Mw=4.571±0.2; Mw=1.89±.85; Mw=1.89±.35; Mw=3.05±.88; Mw=1.86±.58; Mw=0.02±.60; Best double couple: M6.50000×10^15 Np1.0±88.00000°, δ60.00000°, λ-78.00000°. NP2.0±245.00000°, δ32.00000°, λ-109.00000°. Principal axes: T 7.5800, Plg14.0000°, Azm169.0000°; N -2.1600, Plg10.0000°, Azm261.0000°; P -5.4200, Plg173.0000°, Azm27.0000°; nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s.

NEIC 22:22:37.34.1, 1.6, 40:57N:0.05:22:53E:0.05, h3km, km, mb4.5/34, ML4.6/18(BUC) Error ellipse: s-maj=0.8km s-min=0.5, 1km az=183.0

PDG 22:22:37.34.7, 0.7, 40:52N:22:53E, h15km, ML4.4/12, Error ellipse: s-maj=0.5km s-min=0.6km az=0.0

ATH 22:22:37.35.5, 40:51N:22:52E, h6km, MW4.3, Moment Tensor Solution. s7 Moment tensor: Mw1.37; Mw=3.70; Mw=2.33; Mw=0.96; Mw=1.38; Mw=1.68; Fault plane solution: NP1.0±39.00000°, δ76.00000°, λ-144.00000°. NP2.0±299.00000°, δ55.00000°, λ-17.00000°

BGR 22:22:37.35.2, 1.3, 40:53N:22:98E, h10km, ML4.3 Error ellipse: s-maj=56.7km s-min=20.0km az=52.0

AFAD 22:22:37.38.0, 0.0, 40:45N:22:89E, h7km, m2km, MW4.3 NAO 22:22:37.38.4, 40:47N:21.81E, h33km, mb4.5 PRU 22:22:37.39.5, 41:08N:21.27E, h1km, ML4.4

ISC 22:22:37.39.1, 1.0, 40:50N:0.02:22:53E:0.01, h8km, 6km, n587, c155/654, mb4.4/44, MS3.5/19, 52C-42D, Greece

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KTI Kastanaia, THE Thessaloniki, THE Thessaloniki, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like HORT Hortiatis, HORT Hortiatis, GRT Griva, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like GRT Griva, GRT Griva, GRT Griva, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SOH Sokhos, SOH Sokhos, SOH Sokhos, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KNT Kendrikon, KNT Kendrikon, KNT Kendrikon, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like VAY Valandovo, VAY Valandovo, VAY Valandovo, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like TYRN Tynavos, LRSO Larissa Observ, LRSO Larissa Observ, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SRS Serrai, SRS Serrai, SRS Serrai, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like THL Klokotos Trika, THL Klokotos Trika, THL Klokotos Trika, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KPRO Kipourio, KPRO Kipourio, KPRO Kipourio, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like NEST Nestorio, NEST Nestorio, NEST Nestorio, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KOKK Kokkinochori, KOKK Kokkinochori, STIP Stip, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like XOR Xorichti, XOR Xorichti, XOR Xorichti, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KBN Korca, KBN Korca, KBN Korca, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MMB Musomishtsa, MMB Musomishtsa, KKB Krupnik, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KVA Kavala, KVA Kavala, AGG Agios Georgios, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like AGG Agios Georgios, AGG Agios Georgios, AGG Agios Georgios, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like AGG Agios Georgios, AGG Agios Georgios, AGG Agios Georgios, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KVA Kavala, KVA Kavala, AGG Agios Georgios, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ECEA Ece, PVY Plav, PVY Plav, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KEF3 Kipouria, Keph, ULC Ulcinj, ULC Ulcinj, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SELS Selova, EPID Epidavros, KOCA Canakkale, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like EZN Ezine, EZN Ezine, MPEP Malo Peshtene, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DRME Dracevica, DRME Dracevica, ERIK Erikl-Kesan, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like COMU Canakkale, BEY Berane, IVA Berane, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PDG Podgorica, PDG Podgorica, PDG Podgorica, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SCTE Santa Cesarea, RFT1 Sazli, BAYC CANAKKALE, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like UKOP Uzunkopru-Edir, B3VS Bivas, BOVS Bovan, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like LPK Lapsek, KOME Kolasin, KOME Kolasin, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PLVB Pleven, PLVB Pleven, ZAGS Zagjcar, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ZAGS Zagjcar, SJSJ Sjenica, SJSJ Sjenica, etc.

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like BLY, MDB, SIRR, etc.

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like B10A, CTI, CTT, etc.

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like PAB, PAB, BELG, etc.

Table with columns: ZALV, comp, Az, P, Pmax, Time, Res, etc. Includes stations like Zalesovo Beam, JAZZAZOR, WMQ, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Includes stations like Pizzolo (AQ), Pellescritta, etc.

ICD 22 22:39:29.7-0.7, 21.475, 169.25E, h0km, mb4.3/12, mbmp4.3/13, ML3.4/1, MS3.5/6, Error ellipse: s-maj=26.9km s-min=16.8km az=163.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Includes stations like Mare, Loyalty, LIFOU, Pines Island, etc.

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

Table with columns: ERIK, COMU, PDG, etc. Includes stations like Eriki-Kesan, Canaklica, Podgorica, etc.

ICD 22 22:51:11.6-0.6, 35.59S, 53.86E, h0km, mb4.2/13, mbmp4.2/14, ML4.2/1, MS3.8/9, Error ellipse: s-maj=21.3km s-min=11.8km az=67.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Includes stations like CROZET ISLANDS, Nahapoua Res, etc.

22d 23h

Table with columns: EIL, Elat, Az, LR, Az, LR, 23 30 16.6, etc. Lists various stations and their coordinates.

2017 NOV

Table with columns: F24K, Squaw Lake, 145.58, 15 P, PKPab, 23 10 52.3 +0.9, etc. Lists stations and their coordinates.

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Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time Res, h m s ISC. Lists stations and their coordinates.

Code	Station Name	h89, c057/142, Turkey	Δ° AZ°	Phase	ID	Time Res	ISC
Code	Station Name	h m s	ISC	Op	ISC	h m s	ISC
BLIS	Bitlis-Merkez	0.07	220	P	Sg	23 29 08.6 +0.1	Pg
BLIS	Bitlis	0.14	306	P	Pg	23 29 09.1 -0.4	Pg
GURO	Guroymak-BITLI	0.14	306	P	Pg	23 29 09.9 +0.2	Pg
ADCV	BITLIS Adilcev	0.55	52	P	Pg	23 29 11.0 0.0	Pg
MUSM	Mu-Merkez	0.58	296	P	Pg	23 29 18.1 +0.7	Pg
MUSM	Mu-Merkez			P	Pg	23 29 17.9 -0.1	Pg
MUSM	Mu-Merkez			P	Pg	23 29 24.4 -1.1	Pg
PERV	Siirt/Pervari-	0.60	151	P	Pg	23 29 18.6 +0.3	Pg
PERV	Siirt/Pervari-			P	Pg	23 29 17.1 -1.0	Pg
AKDM	Akadmar-Van	0.65	102	P	Pg	23 29 19.5 +0.1	Pg
AKDM	Akadmar-Van			P	Pg	23 29 28.5 +0.7	Pg
GEVA	Gevas	0.71	102	P	Pg	23 29 20.7 +0.1	Pg
GEVA	Gevas			P	Pg	23 29 28.6 -1.2	Pg
EKAR	Karacoban	0.79	354	P	Pg	23 29 23.0 +0.9	Pg
EKAR	Karacoban			P	Pg	23 29 24.2 -0.2	Pg
SVAN	Silvan-Diyarba	0.83	248	P	Pg	23 29 22.6 -0.2	Pg
SVAN	Silvan-Diyarba			P	Pg	23 29 35.9 +0.3	Pg
SVAN	Silvan-Diyarba			P	Pg	23 29 23.0 +0.2	Pg
VRTB	Varto-Mus	0.89	321	P	Pg	23 29 24.4 +0.4	Pg
VRTB	Varto-Mus			P	Pg	23 29 37.8 +0.4	Pg
VRTB	Varto-Mus			P	Pg	23 29 24.5 +0.5	Pg
VRTB	Varto-Mus			P	Pg	23 29 33.6 -1.9	Pg
BTMM	Batman	0.92	231	P	Pg	23 29 25.1 +0.6	Pg
BTMM	Batman			P	Pg	23 29 36.3 -0.1	Pg
VANB	Van	0.96	82	P	Pg	23 29 25.7 +0.4	Pg
VANB	Van			P	Pg	23 29 34.2 -0.2	Pg
TVAN	Van	0.97	86	P	Pg	23 29 25.3 -0.2	Pg
TVAN	Van			P	Pg	23 29 38.4 +0.3	Pg
SIRT	Sirmak	0.99	168	P	Pb	23 29 26.8 +0.1	Pb
SIRT	Sirmak			P	Pb	23 29 26.1 +0.3	Pb
SIRN	Sirmak	1.02	199	P	Pb	23 29 24.0 -0.2	Pb
SIRN	Sirmak			P	Pb	23 29 26.3 -0.4	Pb
BINGOL	Bingol, Solhan	0.99	299	P	Pg	23 29 26.9 -0.4	Pg
DORK	Agri/Tutak/Do	1.03	27	P	Pg	23 29 26.3 -0.4	Pg
ERCV	ERCIS-VAN	1.06	59	P	Pg	23 29 26.9 -0.4	Pg
ERCV	ERCIS-VAN			P	Pg	23 29 43.1 -1.2	Pg
VMUR	Van-Muradiye	1.21	64	P	Pb	23 29 29.9 -0.7	Pb
KARO	Karilova-Bingol	1.21	314	P	Pb	23 29 29.9 -0.7	Pb
MIDY	Mardin/Midyati	1.23	210	P	Pg	23 29 31.2 +0.8	Pg
MIDY	Mardin/Midyati			P	Pg	23 29 47.2 +0.9	Pg
AGR	Hanur-Agry	1.27	30	Pn	Pn	23 29 31.3 -0.5	Pn
BNG	Bingol	1.28	294	Pn	Pn	23 29 30.8 -1.0	Pn
HANI	Diyarbakir_Han	1.40	268	Pn	Pn	23 29 32.8 -0.5	Pn
HANI	Diyarbakir_Han			Pn	Pn	23 29 31.7 -1.7	Pn
EATA	Eleskirt	1.41	10	Pn	Pn	23 29 34.0 +0.1	Pn
EATA	Eleskirt			Pn	Pn	23 29 53.2 +0.8	Pn
OZAP	Van, Ozalp-Mer	1.44	82	Pn	Pn	23 29 33.9 -0.2	Pn
ECAT	Cat-ERZURUM	1.47	321	Pn	Pn	23 29 34.3 -0.3	Pn
HAKT	HAKKARI	1.51	126	Pn	Pn	23 29 36.0 +0.2	Pn
CLDR	Caldiran	1.52	63	Pn	Pb	23 29 35.7 -0.2	Pb
CLDR	Caldiran			Pn	Pb	23 29 35.7 -0.2	Pb
EJDE	Erzurum, Palan	1.52	334	Pn	Pb	23 29 36.1 +0.1	Pb
KOPR	Koprukoy-ERZUR	1.54	351	Pn	Pn	23 29 36.7 +0.5	Pn
ETEKE	Tekederesi - E	1.55	329	Pn	Pb	23 29 35.9 +0.3	Pb
KOTA	Agri, Merkez-K	1.55	31	Pn	Pb	23 29 35.8 +0.2	Pb
ERZM	Erzurum	1.57	337	Pn	Pb	23 29 35.4 -0.2	Pb
EDAM	Erzurum-Paland	1.59	334	Pn	Pn	23 29 36.6 +0.4	Pn
MARD	Mardin	1.60	224	Pn	Pn	23 29 36.7 +0.6	Pn
YEDI	Yedisu-Bingol	1.60	308	Pn	Pn	23 29 36.9 +0.7	Pn
ATA5	Erzurum, Merke	1.60	334	Pn	Pn	23 29 37.1 -0.2	Pn
CUKT	Cukurca	1.67	137	Pn	Pb	23 29 38.0 -0.4	Pb
CUKT	Cukurca			Pn	Pb	23 29 38.0 -0.4	Pb
DYBB	Diyarbakir	1.68	253	Pn	Pn	23 29 37.3 0.0	Pn
MAZI	Mazidag	1.70	234	Pn	Pn	23 29 37.9 +0.3	Pn
DIYA	Diyarbakir	1.71	252	Pn	Pn	23 29 38.1 +0.5	Pn
SENK	Senkaya-Erzuru	2.09	4	Pn	Pn	23 29 44.4 +1.3	Pn
TASB	TASBURUN-IGDIR	2.20	46	Pn	Pn	23 29 45.7 -1.7	Pn
ERZN	Erzincan	2.21	301	Pn	Pn	23 29 46.1 +1.4	Pn
PTK	Pertek	2.22	282	Pn	Pn	23 29 45.3 +0.5	Pn
KARS	Kars	2.27	18	Pn	Pn	23 29 46.8 +1.4	Pn
HYR	Heyderabad	2.43	58	Pn	Pn	23 29 47.3 -0.3	Pn
HYR	Heyderabad			Pn	Pn	23 30 18.0 +0.2	Pn
BAYT	Ayndintepe-Bayb	2.48	321	Pn	Pn	23 29 49.6 +1.2	Pn
NAX	Naxchivan	2.69	74	Pn	Pn	23 29 50.7 -0.4	Pn
NAX	Naxchivan			Pn	Pn	23 30 24.1 -0.1	Pn
NAX	Naxchivan			Pn	Pn	23 29 52.3 -0.3	Pn
SBZ	Shahbuz	2.79	70	Pn	Pn	23 30 26.7 -0.2	Pn
SBZ	Shahbuz			Pn	Pn	23 29 54.7 +1.5	Pn
CHOM	Cayeli-Rize	2.84	338	Pn	Pn	23 29 54.7 +1.5	Pn
URFA	Urfa	2.84	250	Pn	Pn	23 29 55.3 +1.2	Pn
ORD	Ordubad	3.02	80	Pn	Pn	23 29 55.3 -0.4	Pn
ORD	Ordubad			Pn	Pn	23 30 32.3 -0.2	Pn
GDB	GEDABAY	3.56	50	Pn	Pn	23 30 03.2 -0.1	Pn
GDB	GEDABAY			Pn	Pn	23 30 46.3 +0.4	Pn
OZX	Qazax, Azerbai	3.57	43	Pn	Pn	23 30 03.0 -0.2	Pn
OZX	Qazax, Azerbai			Pn	Pn	23 30 46.0 0.0	Pn
GANJ	Ganja	3.87	55	Pn	Pn	23 30 07.3 -0.1	Pn
GANJ	Ganja			Pn	Pn	23 30 53.8 +0.4	Pn
QRD	Qoradiz	4.13	75	Pn	Pn	23 30 10.6 -0.3	Pn
QRD	Qoradiz			Pn	Pn	23 30 59.7 0.0	Pn
AGDM	Agdam	4.16	65	Pn	Pn	23 31 14.0 -0.4	Pn
AGDM	Agdam			Pn	Pn	23 31 00.6 0.0	Pn
BRDA	Brda	4.26	64	Pn	Pn	23 30 12.6 -0.2	Pn
BRDA	Brda			Pn	Pn	23 31 03.3 +0.1	Pn
BLQ	Beylaqan	4.37	72	Pn	Pn	23 30 13.8 -0.4	Pn
ELCQ	Elcuk	4.37	72	Pn	Pn	23 31 05.7 -0.1	Pn
MNGR	Mingechevir, A	4.43	57	Pn	Pn	23 31 14.8 -0.2	Pn
MNGR	Mingechevir, A			Pn	Pn	23 31 07.3 +0.1	Pn
ZRD	Zardab	4.64	65	Pn	Pn	23 30 17.5 -0.3	Pn
ZRD	Zardab			Pn	Pn	23 31 12.2 +0.1	Pn
ZKTA	Zakatala	4.65	46	Pn	Pn	23 30 18.0 -0.1	Pn
ZKTA	Zakatala			Pn	Pn	23 31 13.1 +0.5	Pn
SEKA	Sheki	4.74	53	Pn	Pn	23 30 19.8 +0.5	Pn
SEKA	Sheki			Pn	Pn	23 31 16.4 +1.6	Pn
YRD	Yardimli	4.77	83	Pn	Pn	23 30 19.2 -0.6	Pn
YRD	Yardimli			Pn	Pn	23 31 15.2 -0.5	Pn
LRK	Lerik	4.84	86	Pn	Pn	23 30 20.1 -0.6	Pn
LRK	Lerik			Pn	Pn	23 31 17.1 -0.3	Pn
GLBA	Cilababad	4.92	79	Pn	Pn	23 30 21.2 -0.5	Pn
GLBA	Cilababad			Pn	Pn	23 31 19.0 -0.1	Pn
QBL	Gabala	5.02	59	Pn	Pn	23 30 22.8 -0.3	Pn
QBL	Gabala			Pn	Pn	23 31 21.8 +0.1	Pn
KDMR	Kurdemir	5.03	66	Pn	Pn	23 31 22.8 -0.4	Pn
KDMR	Kurdemir			Pn	Pn	23 31 21.8 0.0	Pn
SAAT	Saatly	5.05	72	Pn	Pn	23 30 22.8 -0.7	Pn
SAAT	Saatly			Pn	Pn	23 31 21.7 -0.6	Pn
LKRN	Lenkeran, Azer	5.18	85	Pn	Pn	23 30 24.9 -0.4	Pn
LKRN	Lenkeran, Azer			Pn	Pn	23 31 05.7 -0.1	Pn
IML	Ismayilli	5.19	62	Pn	Pn	23 30 25.1 -0.4	Pn
IML	Ismayilli			Pn	Pn	23 31 25.8 0.0	Pn
ASTR	Astara	5.19	87	Pn	Pn	23 30 25.0 -0.4	Pn
ASTR	Astara			Pn	Pn	23 31 25.7 -0.1	Pn
XNO	Khinaliq	5.33	58	Pn	Pn	23 30 27.1 -0.4	Pn
XNO	Khinaliq			Pn	Pn	23 31 29.5 -0.1	Pn
PQL	Pirkuli	5.47	63	Pn	Pn	23 30 29.0 -0.5	Pn
PQL	Pirkuli			Pn	Pn	23 31 32.9 0.0	Pn
ALIB	Äli-Bayra	5.51	72	Pn	Pn	23 30 29.5 -0.4	Pn
ALIB	Äli-Bayra			Pn	Pn	23 31 33.7 +0.1	Pn
QUSAR	Qusar	5.58	55	Pn	Pn	23 30 30.7 -0.4	Pn
QUSAR	Qusar			Pn	Pn	23 31 35.4 0.0	Pn
GBS	Gobustan	5.63	66	Pn	Pn	23 30 31.1 -0.4	Pn
GBS	Gobustan			Pn	Pn	23 31 36.7 0.0	Pn
QUBA	Quba, Azerbaj	5.65	57	Pn	Pn	23 30 31.4 -0.3	Pn
QUBA	Quba, Azerbaj			Pn	Pn	23 31 37.3 +0.1	Pn
ATGJ	Altiaghaj	5.74	63	Pn	Pn	23 30 32.2 -0.4	Pn
ATGJ	Altiaghaj			Pn	Pn	23 31 39.5 0.0	Pn
SIZA	Siyzn	5.80	61	Pn	Pn	23 30 33.5 -0.4	Pn
SIZA	Siyzn			Pn	Pn	23 31 40.9 -0.1	Pn
GOBA	Gobu	6.16	69	Pn	Pn	23 30 38.4 -0.4	Pn
GOBA	Gobu			Pn	Pn	23 31 49.8 0.0	Pn
NDR	Nardaran	6.40	68	Pn	Pn	23 30 41.7 -0.3	Pn
NDR	Nardaran			Pn	Pn	23 31 55.5 0.0	Pn
GALA	Gala	6.47	70	Pn	Pn	23 30 42.7 -0.4	Pn
GALA	Gala			Pn	Pn	23 31 57.4 0.0	Pn

Code	Station Name	h89, c057/142, Turkey	Δ° AZ°	Phase	ID	Time Res	ISC
Code	Station Name	h m s	ISC	Op	ISC	h m s	ISC
DZM	Mont Dzumac	1.59	298	Pn	Pn	23 30 29.1 -1.2	Pn
DZM	Mont Dzumac			Pn	Pn	9.9nm,0.3s,baz=118,slow=15,SNR=13	Pn
DZM	Mont Dzumac			Pn	Pn	1.6nm,0.3s,baz=180,slow=20,SNR=10	Pn
DZM	Mont Dzumac			Pn	Pn	comp=Z,70nm,21.4s,baz=338,slow=41	Pn
ASAR	Alice Springs	31.26	252	P	P	31.26 252 P	P
ASAR	Alice Springs			P	P	0.2nm,0.3s,baz=80,slow=9,SNR=1.7	P
ASAR	Alice Springs			P	P	0.2nm,0.3s	P
WRA	Warramunga Arr	31.40	269	P	P	31.40 269 P	P
WRA	Warramunga Arr			P	P	0.3nm,0.6s,baz=97,slow=8.6,SNR=1.5	P
WRA	Warramunga Arr			P	P	0.3nm,0.6s	P
PPT	Papeete	40.09	90	LR	LR	40.09 90 LR	LR
PPT	Papeete			LR	LR	comp=Z,37nm,19.4s,baz=178,slow=30	LR
SHEM	Shemaya Is, Ala	75.43	4	LR	LR	75.43 4 LR	LR
SHEM	Shemaya Is, Ala			LR	LR	comp=Z,9.9nm,20.5s,baz=320,slow=33	LR
CMAR	Chiang Mai Arr	78.92	295	P	P	78.92 295 P	P
CMAR	Chiang Mai Arr			P	P	0.6nm,0.3s,baz=125,slow=4.7,SNR=4.5	P
CMAR	Chiang Mai Arr			P	P	0.6nm,0.3s	P

NEIC 22 23:35:33.9,0.5,35.544N,0.02:97.79W,0.02,h8km,5km,
 Error ellipse: s-maj=2.5km s-min=2.1km az=154.0
 TUL 22 23:35:33.5,0.5,35.952N,0.02:97.78W,0.02,h7km,4km,
 ML2.6,mb_Lg2.2/8(NEIC),ML2.6/34(NEIC), Error ellipse:
 s-maj=2.4km s-min=1.9km az=154.0, Oklahoma

Code	Station Name	h89, c057/142, Turkey	Δ° AZ°	Phase	ID	Time Res	ISC
Code	Station Name	h m s	ISC	Op	ISC	h m s	ISC
OKCSW	OKLAHOMA CITY	0.28	100	Pg	Pg	23 35 44.8 0.0	Pg
OKCSW	OKLAHOMA CITY			Pg	Pg	23 35 42.8 0.0	Pg

23:00 Oh

Table with columns: MDOX, Medeo, 4.40, 37, Pg, Pb, 00 25 08.8 -0.3, etc.

WEL 23 00:26:54.0, 2.8, 31.1, 6.1, 17.8E, h33km, M4.3/6, mB4.7/6, ML4.7/2, MLV4.5/1, Mw(mb)3.9/6, Error ellipse: s-maj=0.0km s-min=0.0km az=122.0, confirmed, Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

IDC 23 00:28:08.4, 1.4, 32.77N, 46.46E, h0km, mb3.8/10, mbmp3.9/14, ML3.8/4, MS2.8/1, Error ellipse: s-maj=27.4km s-min=15.0km az=170.0

ISN 23 00:28:08.2, 0.5, 32.93N, 46.39E, h10km, 4km, ML3.7, TEH 23 00:28:09.2, 32.94N, 46.34E, h15km, 32km, ML3.9, OMAN 23 00:28:16.6, 0.1, 32.43N, 46.76E, h10km, mb3.8/19, ms2.7/2, Error ellipse: s-maj=2.7km s-min=1.5km az=229.0

ISC 23 00:28:09.5, 0.5, 32.85N, 0.03, 46.39E, 0.03, h13km, n85, z=250/105, mb3.8/9, Iran-Iraq border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

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Main table with columns: TRNA, Turayna, 9.12, 151, P, Pn, 00 30 23.2 +2.3, etc.

IDC 23 00:35:17.1, 1.0, 8.3170N, 141.71E, h0km, mb3.8/10, mbmp3.8/14, ML3.3/4, MS2.8/1, Error ellipse: s-maj=25.7km s-min=14.8km az=66.0

NEIC 23 00:35:19.9, 0.6, 31.74N, 0.06, 141.70E, 0.05, h17km, 5km, mb4.5/9, Error ellipse: s-maj=9.5km s-min=6.6km az=171.0

ISC 23 00:35:18.2, 0.7, 31.67N, 0.07, 141.8E, 0.1, h10km, n37, r1504/37, mb4.0/15, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

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Table with columns: MKAR, Makanchi Array, 47.37, 306, P, P, 00 43 52.5 +0.1, etc.

IDC 23 00:46:14.1, 4.2, 2.20, 45S, 66.25E, h0km, mb3.9/7, mbmp3.9/7, MS3.2/6, Error ellipse: s-maj=125.4km s-min=33.4km az=57.0

ISC 23 00:46:16.3, 4.3, 2.0, 45S, 66.4E, 0.7, h10km, n19, r151/7, mb3.8/7, MS3.4/7, Mauritius-Reunion region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

ANF 23 00:54:56.6, 0.3, 36.34N, 97.51W, h7km, ML3.2/6, Error ellipse: s-maj=4.8km s-min=2.5km az=161.0

TUL 23 00:54:56.7, 0.5, 36.283N, 0.008, 97.50W, 0.01, h6km, 6km, ML2.9, mb, Lq2.9/45(NEIC), ML2.8/62(NEIC), Error ellipse: s-maj=1.7km s-min=1.0km az=71.0

NEIC 23 00:54:57.5, 0.5, 36.28N, 0.02, 97.50W, 0.01, h5km, 7km, Error ellipse: s-maj=2.3km s-min=1.4km az=201.0

ISC 23 00:54:59.9, 1.2, 36.28N, 0.02, 97.51W, 0.02, h3km, 12km, n76, r49/49/67, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

23d 2h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Lanzhou, DANGSING, CHIANG MAI, etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like ZAAO, ZALV, PALK, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like NC204, WB0, WRA, etc.

DJA 23 02:14:42.70.3, 11°53.3'x12°0'E, h10km, M4.2/9, mb4.6/7, mb4.5/1, MLV4.0/9, Mw(mb)3.7/1
IDC 23 02:14:46.54.6, 10.625S, 120.272E, h717km, 4.1km, mb3.5/4, mbmp3.9/8, ML4.0/4, MS3.1/3, Error ellipse: s-maj=43.9km s-min=22.2km az=45.0
ISC 23 02:14:44.70.7, 10.485S, 0.07x120.28E, 0.06, h31km, n32, e196/32, mb3.9/4, Sumba region

Table with columns for Code, Station Name, Frequency, Power, and other technical details. Includes stations like Basi, MMRI, etc.

Table with columns: MORW, BLUD, QIS, CTA, DZM, SONM, MKAR, KURBB, ZALV. Includes station names, times, and various codes.

IDC 23 02:32:11.3e.1.6.29.8N:02:95.2E:0.4, h35km, n7, c1905/6, mb3.3/4, Eastern Xizang-India border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR, SONM, KURBB, ZALV, GEYT, WRA, ASAR.

IDC 23 02:33:05.0.5.35.52S:53.80E, h0km, mb4.4/21, mbmp4.4/22, ML4.1/1, MS3.7/37, Error ellipse: s-maj=18.4km s-min=14.2km az=82.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR, SONM, KURBB, ZALV, GEYT, WRA, ASAR.

IDC 23 02:33:32.0.4.35.49S:007.5378E:0.10, h17km, n127, c087/93, mb4.7/44, MS3.8/36, 6C-4D, Southwest Indian Ridge

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H04N1, H04N2, H04N3, CRZF, FOM, VOI, ABPO, OPO, BOSA, LBTB, SUR, LSZ, H08S1, MAW, H08S2, H08S3, TSUM, KMBO, MBAR, TROLL, SNA, SNA, SNA, SNA, VNA2, VNA3, H01W2, H01W3, H01W1, PALK, NWAO, QSPA, QSPA, RPSI, WSAR, PSAO, VNA, VNA, UOSS, KAPI, CM31, CMAR, CMAR, CHTO, CHTO.

Table with columns: ASAR, ASAR, AS31, PMSA, TOAO, TOAO, TORO, TORO, TORO, TORO, TORO. Includes station names, times, and various codes.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHL, SHL, STKA, STKA, CRAI, CRAI, WRA, WRA, WBO, WBO, GEYT, GEYT, LSA, LSA, CHGR, CHGR, ARG, ARG, IDI, IDI, GNI, GNI, BR131, BR131, BRTR, BRTR, KBZ, KBZ, AGG, AGG, KK31, KK31, KKAR, KKAR, AAK, AAK, AAK, AAK, CTA, CTA, FBN, FBN, VLO, VLO, KEST, KEST, TIR, TIR, RPZ, RPZ, TIR, TIR, ENH, ENH, LTZ, LTZ, MLR, MLR, MLR, MLR, ABKAR, ABKAR, VOIR, VOIR, DJES, DJES, MDVR, MDVR, MILM, MILM, AKTO, AKTO, MKAR, MKAR, BELG, BELG, BELG, BELG, KURBB, KURBB, KIEV, KIEV, AKASO, AKASO, AKB, AKB, PLCA, PLCA, OBKA, OBKA, BVAR, BVAR, CTI, CTI, URZ, URZ, CPUP, CPUP, WTTA, WTTA, VRAC, VRAC, SNTK, SNTK, FETA, FETA, MOTA, MOTA, DAVOX, DAVOX, DAVA, DAVA, ARU, ARU, ESDC, ESDC, ESDC, ESDC, ZALV, ZALV, KIRV, KIRV, SONM, SONM, SONM, SONM.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, ASAR, AS31, PMSA, TOAO, TOAO, TORO, TORO, TORO, TORO, TORO.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, ASAR, AS31, PMSA, TOAO, TOAO, TORO, TORO, TORO, TORO, TORO.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, ASAR, AS31, PMSA, TOAO, TOAO, TORO, TORO, TORO, TORO, TORO.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, ASAR, AS31, PMSA, TOAO, TOAO, TORO, TORO, TORO, TORO, TORO.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, ASAR, AS31, PMSA, TOAO, TOAO, TORO, TORO, TORO, TORO, TORO.

Table with columns: HNR, PETK, ILAR, YKA, TXAR, TXAR, PDAR, NVAR. Includes station names, times, and various codes.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, PETK, ILAR, YKA, TXAR, TXAR, PDAR, NVAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, PETK, ILAR, YKA, TXAR, TXAR, PDAR, NVAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, PETK, ILAR, YKA, TXAR, TXAR, PDAR, NVAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, PETK, ILAR, YKA, TXAR, TXAR, PDAR, NVAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, PETK, ILAR, YKA, TXAR, TXAR, PDAR, NVAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, PETK, ILAR, YKA, TXAR, TXAR, PDAR, NVAR.

23d 3h

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like QAMS Damsar, SHRT Shahrahkht, MHTO MHTO, etc.

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Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like ZALV, KMBO, RONA, CONA, etc.

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Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like HLID Hailey, REDW Red Top Meadow, MFID Camas Ranch, etc.

23d 5h

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like BBAC Balboa, Cauca, JAMC Jambundi, Valie, etc.

IDC 23 03:40:40.2±1.4, 13.64N:120.71E, h0km, mb4.2/4, mbtmp3.4/2, Error ellipse: s-maj=42.8km s-min=27.0km az=65.0

NEIC 23 03:40:53.4±1.1, 13.6N:0.1x120.6E:0.1, h116km±10km, mb4.6/10, Error ellipse: s-maj=18.8km s-min=15.7km az=215.0

ISC 23 03:40:51.6±0.8, 13.6N:0.1x120.5E:0.2, h100km, n16, 0572.15, mb4.5/10, Mindoro

Main station list for 23d 5h, including DAV Davao City, CMAR Chiang Mai Arr, JTB Tenabayahay, etc.

NOU 23 03:42:06.8, 21.15S:168.88E, h0km, MLV3.8/7, Loyalty Islands

IDC 23 03:42:11.6±4.0, 20.99S:168.33E, h0km, mb3.9/2, mbtmp3.9/3, ML3.7/1, MS2.8/2, Error ellipse: s-maj=153.0km s-min=28.5km az=141.0

ISC 23 03:42:14.7±1.6, 21.25S:0.09x168.4E:0.1, h30km, n17, 01931/17, Loyalty Islands

Main station list for 23d 5h (continued), including MARNC Mare, LIFOU LIFOU, PINNS Pines Island, etc.

JMA 23 03:44:20.5±0.1, 24.0N:0.8x122.4E:0.3, h33km±2km, MV2.5/1, TAIWAN REGION

TAP 23 03:44:21.1, 24.09N:122.37E, h32km, ML2.6, C

ISC 23 03:44:20.9±1.0, 24.03N:0.04x122.34E:0.02, h33km±5km, n38, 0548/58, Taiwan region

Main station list for 23d 5h (continued), including EOA4 EOA4, EOA3 EOA3, EOA2 EOA2, etc.

2017 NOV

Main station list for 2017 NOV, including ETLH Xiulin Townsh, LXIB Xiulin Townsh, LATG Datong, etc.

IDC 23 04:33:17.4±4.7, 20.79S:168.20E, h0km, mb3.6/2, mbtmp3.5/3, ML2.9/1, Error ellipse: s-maj=137.1km s-min=34.6km az=132.0

NOU 23 04:33:34.4±2.1, 21.43S:167.25E, h0km, MLV2.2/4, Loyalty Islands

ISC 23 04:33:17.8±2.4, 21.7S:0.2x168.9E:0.2, h35km, n8, 0085/9, Loyalty Islands

Main station list for 2017 NOV (continued), including LIFNC LIFOU, DZM DZM, DZM DZM, etc.

IDC 23 04:44:42.8±7.8, 32.02S:179.55E, h417km, 93km, mb3.0/2, mbtmp3.8/2, Error ellipse: s-maj=102.5km s-min=57.1km az=7.0

WEL 23 04:44:44.9±0.6, 32.5S:107.19E:2.5, h386km±18km, M3.9/19, mb4.4/19, MLV5.0/3, Mv(m)B3.5/19, Error ellipse: s-maj=0.0km s-min=0.0km az=110.8, confirmed

ISC 23 04:44:42.4±1.3, 32.16S:0.09x179.6E:0.2, h439km, n37, 02507/67, South of Kermadec Islands

Main station list for 2017 NOV (continued), including GLKZ Green Lake, MXZ Matakaoa Point, PUK Puketiti, etc.

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Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like PLWZ Palliser, NNZ Nelson, NNZ Takaka Hill, etc.

IDC 23 04:44:48.0±4.6, 30.43S:178.39W, h158km±26km, mb3.5/3, mbtmp3.9/3, Error ellipse: s-maj=107.6km s-min=42.5km az=147.0, Kermadec Islands

Main station list for 1638, including RAO Raoul Island, RAO Raoul, STKA Stephens Creek, etc.

IDC 23 04:46:35.5±2.5, 40.00N:143.09E, h0km, mb3.4/3, mbtmp3.4/5, ML2.9/2, Error ellipse: s-maj=62.0km s-min=25.5km az=90.0

NIED 23 04:46:35.6, 39.66N:143.32E, h22km, MW3.5, Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm, Mn:0.97, Mb:0.35, Mw:1.33, Me:0.88, Mf:0.46, Ml:1.01, F11 plane solution: M:1.84000x10^14 NPT:37.00000, 871.00000, 1.111.00000, NP2:166.00000, 828.00000, 1.43.00000

JMA 23 04:46:35.6±0.3, 39.7N:0.6x143.3E:1, h22km±3km, MV3.5/34, FAR E OFF SANRIKU

ISC 23 04:46:36.1±1.3, 39.87N:0.06x143.22E:0.10, h12km, n24, 01512/20, mb3.6/3, Off east coast of Honshu

Main station list for 1638 (continued), including JTH Tanohata, MIYJ Miyakonosagawa, JKEN Kujedanmarisaw, etc.

ISC 23 04:46:36.1±1.3, 39.87N:0.06x143.22E:0.10, h12km, n24, 01512/20, mb3.6/3, Off east coast of Honshu

Main station list for 1638 (continued), including ASAJ Asahikawa, ASAJ Asahikawa, MJAR Matsuhiro Arr, etc.

ISC 23 04:51:02.1±1.1, 26.05N:105.110W:0.05, h15km, n7, 0572/10, 4C-2D, Gulf of California

Main station list for 1638 (continued), including NE77 Loreto B.C.S., NE77 Loreto B.C.S., NE77 Loreto B.C.S., etc.

IDC 23 04:53:44.0±4.5, 20.82S:168.35E, h0km, mb3.8/2, mbtmp3.7/3, ML3.3/1, MS3.0/2, Error ellipse: s-maj=140.5km s-min=33.3km az=136.0, Loyalty Islands

Main station list for 1638 (continued), including DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

IDC 23 05:17:03.6±9.1, 47.14N:151.57E, h132km±58km, mb3.4/4, mbtmp3.8/5, Error ellipse: s-maj=99.4km s-min=30.5km az=180.0, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PETK, H1N2, H1N1, H1N3, H1S3, H1S2, INK, MKAR, FINES, TXAR.

NOU 23 05:26:02.4, 21.56S:168.69E, h0km, MLv4.1/7, Loyalty Islands
IDC 23 05:26:04.5, 3.4, 20.97S:168.21E, h0km, mb4.2/3, mbmp4.2/3, MS3.3/4, Error ellipse: s-maj=113.9km

NEIC 23 05:26:04.5, 1.2, 21.52S:168.57E, 0.05, h10km, 1km, mb4.3/10, Error ellipse: s-maj=7.8km s-min=5.3km az=93.0

ISC 23 05:26:05.4, 1.0, 21.54S:168.52E, 0.09, h20km, n42, c099/40, mb4.3/13, Tonga Islands

Main table for 1639 containing station data for various regions like Loyalty Islands, Tonga Islands, and others.

NEIC 23 05:26:32.4, 0.7, 35.357N:0.008-96.95W, 0.01, h5km, 3km, Error ellipse: s-maj=1.7km s-min=1.1km az=75.0
TUL 23 05:26:31.6, 0.7, 35.35N:0.01-96.95W, 0.01, h4km, 3km, ML2.5, ML2.3/26(NEIC), Error ellipse: s-maj=1.7km s-min=1.5km az=81.0, Oklaohama

Table for 1639 containing station data for Oklahoma and other locations.

Table for 2017 NOV containing station data for various regions like Loyalty Islands, Tonga Islands, and others.

NEIC 23 05:37:55.1, 0.5, 18.1S:0.1x175.2W, 0.1, h216km, 8km, mb4.1/16, Error ellipse: s-maj=20.8km s-min=16.0km az=172.0
IDC 23 05:38:02.9, 3.7, 18.16S:175.50W, h284km, 32km, mb3.1/5, mbmp3.8/6, Error ellipse: s-maj=41.0km s-min=21.1km az=144.0

ISC 23 05:37:53.9, 0.6, 18.2S:0.1x175.35W, 0.10, h200km, n29, c098/30, mb4.1/13, Tonga Islands

Main table for 2017 NOV containing station data for various regions like Loyalty Islands, Tonga Islands, and others.

IDC 23 05:42:14.9, 1.0, 54.36N:169.12E, h0km, mb3.5/6, mbmp3.5/8, ML3.0/2, Error ellipse: s-maj=32.4km s-min=21.2km az=174.0
ISC 23 05:42:16.0, 0.8, 54.2N:0.2-169.23E, 0.07, h10km, n14, Error ellipse: s-maj=10.8km s-min=0.6km az=90.0

Main table for 2017 NOV containing station data for various regions like Loyalty Islands, Tonga Islands, and others.

Table for 2017 NOV containing station data for various regions like Loyalty Islands, Tonga Islands, and others.

IDC 23 05:53:52.3, 3.8, 55.71N:86.45E, h0km, mbmp2.8/2, ML2.2, Error ellipse: s-maj=29.8km s-min=27.9km az=18.0, Southwestern Siberia

ISC 23 06:02:26.3, 0.2, 41.94N:120.72E, h4km, 2km, ML2.0/12, Error ellipse: s-maj=0.8km s-min=0.6km az=90.0

Table for 2017 NOV containing station data for various regions like Loyalty Islands, Tonga Islands, and others.

TIR 23 06:02:23.3, 42.00N:20.72E, h20km, 2km, Md3.2, ML2.5, PDG 23 06:02:24.6, 0.2, 41.96N:120.63E, h12km, ML2.5/10, Error ellipse: s-maj=0.8km s-min=0.6km az=90.0

Main table for 2017 NOV containing station data for various regions like Loyalty Islands, Tonga Islands, and others.

IDC 23 06:05:69.8, 2C, 2D, Albania

Main table for 2017 NOV containing station data for various regions like Loyalty Islands, Tonga Islands, and others.

IDC 23 07:55:17.21.3.36.12N.141.90E, h0km, mb3.8/5, mbmp3.8/7, ML3.1/2, MS2.9/6, Error ellipse: s-maj=33.1km s-min=23.7km az=79.0

JMA 23 06:55:19.30.4.36.11N.0.8.14.2E, h68km, MV3.2/29, FAR E OFF IBARAKI PREF

ISC 23 06:55:20.6.1.0.36.12N.0.06:141.85E,0.09,h23km,n26, 1524/18,mb3.8/5,MS2.9/3,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like JHYU Hitachinakayam, JHU Hitachi, JJK Kawauchi, etc.

ASRS 23 07:01:03.4.0.5.50N.129.2W, h5km, MLH3.5/15, Error ellipse: s-maj=5.6km s-min=3.5km az=139.3, confirmed, Mongolia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like CUR Chagan-Uzun, ULGR Ulagan, AKAR Aktash, etc.

IDC 23 07:11:29.5.2.6.14.83S.176.66W, h0km, mb3.6/5, mbmp3.6/5, MS3.3/8, Error ellipse: s-maj=242.7km s-min=24.3km az=153.0, Fiji Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like MSFV Nonsavu, DZM Mont Dzumac, HNR Honiara, etc.

IDC 23 07:11:57.4.0.9.50.05N.78.85E, h0km, mbmp2.7/3, ML2.2/3, Error ellipse: s-maj=13.4km s-min=6.1km az=58.0

NNC 23 07:11:59.6.1.5.50.12N.78.32E, h0km, mb3.6, mpv3.0, Error ellipse: s-maj=13.0km s-min=7.7km az=97.0, Suspected Mining explosion.

ISC 23 07:11:56.7.0.9.49.99N.0.03.78.80E,0.06,h0km,n21, 0591/31,16C-7D, Eastern Kazakhstan

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like KUR07 Kurchatov Arra, KUR06 Kurchatov Arra, KUR14 Kurchatov Arra, etc.

NDI 23 07:13:40.5.2.8.30.48N.95.36E, h9km,22km, mb4.5, ML4.8, mb4.7(NEIC)

IDC 23 07:13:44.7.0.6.29.83N.95.13E, h0km, mb4.4/24, mbmp4.4/27, ML4.5/3, MS3.6/22, Error ellipse: s-maj=20.9km s-min=11.2km az=48.0

MOS 23 07:13:44.2.1.0.29.88N.95.15E, h9km, mb4.9/30, Error ellipse: s-maj=8.5km s-min=4.2km az=123.4

BUI 23 07:13:45.7.0.0.29.86N.95.12E, h6km, mb4.6/46, mb4.9/23, ML4.5/5, Ms4.3/40, Ms7.4.3/39

NEIC 23 07:13:47.2.1.5.29.93N.0.08.95.18E,0.09,h10km,1km, mb4.7/45, Error ellipse: s-maj=15.0km s-min=12.1km az=210.0

ISC 23 07:13:46.9.0.3.29.90N.0.03.95.07E,0.03,h10km,n237, 1566/243,mb4.6/67,MS3.7/26,18C-11D, Eastern Xizang-India border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like DIBR DIBRUGARH, LKP Lekphang, ITAN ITANAGAR, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like MND Mandalay, LZH Lanzhou, BOK Bokaro, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like JACO, LAFE, ARZA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CVTR, CVTV, VTCV, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KTMS, MK31, MAKZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include TPFO Pinon Flats, BELC Belle Mtn. Jos, RSSD Black Hills, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include VYHS comp=Z,1.1nm,1.0s, VYHS Vyhne, VYHS Marisel-Cluj, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include ISC 23 09:31:09.8,0.9,21.12S,0.08,168.72E,0.09, h10km, n36, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like SONM, UZB, KLR, ZAK, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like KLR, UZB, SBUM, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like YAK, KAP, KAP, etc.

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Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like Q18K, KRLC, MOL, OSTC, etc.

2017 NOV

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like CLL, HSKK, DZM, etc.

23d 9h

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like DAWY, Dawson, F31M, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like D22K, E22K, B22K, IL31, ILAR, etc.

NEIC 23 11:03:23.2±0.6, 36.35N±0.01, 98.536W±0.007, h11km, 8km, Error ellipse: s-maj=2.0km s-min=0.7km az=170.0

TUL 23 11:02:22.7±0.5, 36.34N±0.01, 98.54W±0.01, h8km, 4km, ML2.7, ML2.9 (NEIC), Error ellipse: s-maj=1.8km s-min=1.2km az=147.0, Oklahoma

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OK038, UJ3A, NOKA, CROK, etc.

TRN 23 11:04:28.4, 10.711N, 62.211W, h96km, MD3.7 FUNV 23 11:04:28.4, 10.69N, 62.311W, h85km, MW4.1

ISC 23 11:04:26.1±1.7, 10.87N±0.08, 62.37W±0.07, h100km, 15km, n25, ±192/41, 1C, Near coast of Venezuela

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

IDC 23 11:07:13.6±0.8, 31.54N±139.71E, h0km, mb3.7/8, mbmp3.8/10, ML3.7/2, MS3.3/16, Error ellipse: s-maj=24.0km s-min=18.3km az=86.0

NIED 23 11:07:16.5±3.1, 76N:139.48E, h20km, MW4.2, Moment Tensor Solution. s3 Moment tensor: Scale 1015Nm; M1=0.29; M2=0.71; M3=1.01; M4=0.86; M5=0.09; M6=2.21;

Fault plane solution: Mo2.49000x1015 NP1: 6±156.00000°, 84.00000°, -1-103.00000°. NP2: 6±41.00000°, 815.00000°, -1-26.00000°

JMA 23 11:07:16.5±3.1, 76N:139.48E, h20km, MW3.6/27, NEAR TOPIC/H4A/1A

ISC 23 11:07:16.5±3.1, 31.81N±106.1396E±0.06, h11km, 22km, n45, ±161/32, mb3.7/8, MS3.5/10, Southeast of Honshu

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

NEIC 23 11:41:53.2±0.4, 46.46N±13.76E, h16km, ML2.5

ROM 23 11:41:53.2±0.2, 46.445N±13.78E±0.01, h6km, ML2.7/40, Error ellipse: s-maj=0.9km s-min=0.3km az=49.0

VIE 23 11:41:53.4±0.1, 46.48N±13.77E, h12km, mb2.2/14, ml2.8/18, Error ellipse: s-maj=1.2km s-min=0.9km az=26.0

2 km SW of Kranjska Gora RHSSO 23 11:41:53.8±0.9, 46.48N±13.74E, h4km, 3km, ML2.6/6

PRU 23 11:41:57.9±0.4, 46.50N±13.99E, h10km, ISC 23 11:41:53.0±0.8, 46.47N±13.76E±0.01, h14km, 4km, n150, ±1816/254, 21C-8D, Austria

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

EAF 23 11:15:37.6±25.91S±29.22E, h2km, MC3.7

BUL 23 11:15:37.9±1.3, 25.89S±29.16E, h0km, 14km, MD3.8, South Africa

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

NEIC 23 11:28:02.1±1.6, 4.42S±0.08, 152.4E±0.1, h188km, 9km, mb4.6/15, Error ellipse: s-maj=23.7km s-min=5.3km az=65.0

IDC 23 11:28:02.4±0.7, 4.74S±152.06E, h158km, 3km, mb3.6/10, mbmp4.1/12, Error ellipse: s-maj=25.1km s-min=11.8km az=115.0

ISC 23 11:28:02.4±0.7, 4.72S±152.08E±0.10, h150km, n32, ±1935/35, mb4.1/18, NEOR Britain region

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

LJU 23 11:41:53.2±0.4, 46.46N±13.76E, h16km, ML2.5

ROM 23 11:41:53.2±0.2, 46.445N±13.78E±0.01, h6km, ML2.7/40, Error ellipse: s-maj=0.9km s-min=0.3km az=49.0

VIE 23 11:41:53.4±0.1, 46.48N±13.77E, h12km, mb2.2/14, ml2.8/18, Error ellipse: s-maj=1.2km s-min=0.9km az=26.0

2 km SW of Kranjska Gora RHSSO 23 11:41:53.8±0.9, 46.48N±13.74E, h4km, 3km, ML2.6/6

PRU 23 11:41:57.9±0.4, 46.50N±13.99E, h10km, ISC 23 11:41:53.0±0.8, 46.47N±13.76E±0.01, h14km, 4km, n150, ±1816/254, 21C-8D, Austria

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

23d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists various stations like FETA, MOSL, MABI, WRC, CKRC, etc.

HEL 23 11:43:08.9-0.2,67.65N;20.75E, h0km, ML1.4, Suspected explosion

UPP 23 11:43:09.6-0.0,67.65N;20.99E, h0km, ML2.6, Suspected explosion

ISC 23 11:43:09.1-0.8,67.63N;0.02-21.06E;0.03, h0km, n24, c0577/37, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like MASU, KUA, KUA, DUNU, LANU, etc.

IDC 23 12:02:15.1-0.9,13.85N;122.61E, h0km, mb3.7/10, mbtmp3.7/10, MS3.2/11, Error ellipse: s-maj=42.1km s-min=17.6km az=63.0

ISC 23 12:02:15.7-0.9,13.9N;0.2-122.6E;0.2, h5km, n19, c1528/11, mb3.8/10, MS3.2/11, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like TAGY, DAVO, GUMU, CMAR, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like ASAJ, WRA, SONMI, etc.

IDC 23 12:31:55.1-1.5,145.1N;144.19E, h0km, mb3.5/4, mbtmp3.5/4, MS2.9/1, Error ellipse: s-maj=54.4km s-min=20.4km az=64.0, Marianas Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like GUMO, DAV, H1S1, etc.

NIED 23 12:36:44.5, 42.86N; 147.19E, h36km, MW4.6, Moment Tensor Solution. s3 Moment tensor: Scale 10^19Nm; M1=5.68; M2=2.98; M3=2.70; M4=3.23; M5=3.89; M6=3.04;

Failure plane solution: M1: 67.00000° x 101.5° NP1: 47.00000° x 101.5° NP2: 225.00000° x 82.700000° x 1.89.00000°

NEIC 23 12:36:45.0-1.5, 42.87N; 147.00E; 0.1-1.1 h1km, 5km, mb4.9/59 Error ellipse: s-maj=17.4km s-min=9.9km az=131.0

JMA 23 12:36:44.5-0.3, 42.93N; 147.17E; h36km, MD4.5/38, MV4.5/38, E OFF HOKKAIDO

MOS 23 12:36:45.8-1.2, 42.93N; 147.11E, h38km, mb4.9/15, MS4.1/5, Error ellipse: s-maj=8.7km s-min=6.5km az=102.9

SKHL 23 12:36:45.8-0.6, 42.80N; 147.00E, h45km, 3km, mb5.4/4, Ms4.4/4, msh4.4/4

IDC 23 12:36:48.9-1.5, 42.92N; 147.00E; 0.05, h28km, 9km, n217, r182/176, mb4.8/56, MS4.2/37, 9C-ID, Off northeast coast of Hokkaido

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

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

Island, New Zealand
WEL 23 13:19:27.1,0.2,38.2 S,2*17.7E, h28km,1km, M3.4/66,
ML3.6/29, MLV3.4/66, Error ellipse: s-maj=0.0km

s-min=0.0km az=141.8, confirmed
ISC 23 13:19:26.1,0.9,38.07S:0.02:176.69E:0.02, h2km,8km,
n138, o1812/142, North Island

Table with columns: Code, Station Name, Az, North, Phase ID, Time, Res. Lists various stations like KAWERAU FIRE S, WHIRI, EDRC, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res. Lists stations like KIWI, KAPITI ISLAND, PARAPARANGU PR, etc.

NOU 23 13:27:51.0, 21.56S:169.09E, h0km, MLV4.2/9, Southeast
of Loyalty Islands

ICC 23 13:27:53.4, 21.165S:168.71E, h0km, mb3.6/3,
mbtm3.6/4, ML3.1/1, MS3.3/2, Error ellipse:
s-maj=124.4km s-min=29.4km az=156.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res. Lists stations like MARE, LOYALTY, PINNACLES, etc.

WEL 23 13:26:06.2,0.3,41.1 S,4*17.5E, h28km,4km, M3.3/29,
ML3.6/29, MLV3.3/29, Error ellipse: s-maj=0.0km
s-min=0.0km az=140.8, confirmed

NOU 23 13:26:06.4, 40.84S:174.83E, h32km, MLV3.3/9, Cook
Strait, New Zealand
ISC 23 13:26:06.1, 1.4082S:0.03:174.79E:0.03, h33km,3km,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DNIZ, ARG, ARHG, ARKH, ARK, ARG, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HOAN2, HOAN3, MAW, GSPA, CMAR, ASAR, WRA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JMA, JHCJ, BSO1, BSO2, BSO3, BSO4, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PB09, PB09, PB09, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AF01, TA01, TA01, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PB04, PB15, PB15, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GO02, GO02, AZAP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PTLB, BDN, VILB, CPUP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VYND, BOSA, MAW, MAW, YKA, etc.

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

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

23d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NISR Nisiros, DAT Dato, FOCM Foa, etc.

IDC 23 14:02:18.1±0.6, 101.535S, 120°13'E, h0km, mb4.0/11, mbtmp4.0/14, ML4.2/3, MS3.4/12, Error ellipse: s-maj=31.4km s-min=14.0km az=66.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BASI Baing, Sumba, EDFI Ende, etc.

IDC 23 14:02:22.0±0.4, 11°54'±12.0E, h10km, M4.4/11, mb4.5/4, mB4.9/2, MLV4.3/11, Mw(mB)4.2/2

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

IDC 23 14:02:22.0±0.5, 10.585S, 120°33'E, h0.05, h31km, n71, c244/68, mb4.1/14, MS3.3/9, Sumba region

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

IDC 23 14:02:20.7±5.9, 36.71N, 70.33E, h0km, mb3.6/7, ML3.2/5, Error ellipse: s-maj=82.9km s-min=29.1km az=165.0

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

IDC 23 14:02:33.5±2.8, 38.0N, 02°-69.6E, 0.1, h10km, n11, c211/13, 6C-4D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KK31 Karatay Array, KK31 Karatay, etc.

IDC 23 14:23:08.5±2.6, 35°36'N, 01°01'98"E, h0km, mb3.6/7, ML2.6, mb_Lg3.1/0(NEIC), ML2.5/30(NEIC), Error ellipse: s-maj=2.1km s-min=1.8km az=182.0, Oklahoma

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MORW Morawa, QIS Mount Isa, etc.

IDC 23 14:49:53.3±2.5, 22.78N, 122°08'W, h0km, mb4.0/2, mbtmp3.8/3, ML3.0/1, Error ellipse: s-maj=84.2km s-min=46.3km az=84.0, Mauritania

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SOMM Songoing Array, KLR Kul'dur, MKAR Makanchi Array, etc.

DJA 23 14:06:06.1±0.4, 0°S, 6°12'±12.4'E, h88km, gkm, M3.4/9, mb3.6/1, MLV3.3/9, Southern Molucca Sea

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

IDC 23 14:12:38.0±0.9, 29°91'N, 95°24'E, h0km, mb3.7/7, mbtmp3.6/10, ML3.5/3, Error ellipse: s-maj=40.3km s-min=17.0km az=59.0

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

IDC 23 14:12:43.1±0.9, 30.0N, 01°19'53"E, 0.2, h35km, n10, c057/10, mb3.7/6, Eastern Xizang-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, KURBB Kurchatov Arra, etc.

IDC 23 14:20:20.7±5.9, 36.71N, 70.33E, h0km, mb3.6/7, ML3.2/5, Error ellipse: s-maj=82.9km s-min=29.1km az=165.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ILAR Eielson Array, TORDD Torodi Ar. Bea, etc.

IDC 23 14:20:20.7±5.9, 36.71N, 70.33E, h0km, mb3.6/7, ML3.2/5, Error ellipse: s-maj=82.9km s-min=29.1km az=165.0

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

IDC 23 14:20:20.7±5.9, 36.71N, 70.33E, h0km, mb3.6/7, ML3.2/5, Error ellipse: s-maj=82.9km s-min=29.1km az=165.0

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

IDC 23 14:23:08.5±2.6, 35°36'N, 01°01'98"E, h0km, mb3.6/7, ML2.6, mb_Lg3.1/0(NEIC), ML2.5/30(NEIC), Error ellipse: s-maj=2.1km s-min=1.8km az=182.0, Oklahoma

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, AB31 Akbulak array, etc.

IDC 23 14:49:53.3±2.5, 22.78N, 122°08'W, h0km, mb4.0/2, mbtmp3.8/3, ML3.0/1, Error ellipse: s-maj=84.2km s-min=46.3km az=84.0, Mauritania

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WMOK Wichita Mouna, W35A Tecumseh, W35A, etc.

IDC 23 14:29:49.3±1.1, 21°36'S, 168°73'E, h0km, mb3.8/6, mbtmp3.8/7, ML3.3/1, MS3.3/6, Error ellipse: s-maj=40.4km s-min=22.4km az=156.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARNC Mare, Loyalty, LFINC L'Anou, etc.

IDC 23 14:29:53.0±0.9, 21°45'S, 01°16'8"E, 0.009, h20km, n30, c1541/24, mb3.8/6, MS3.4/5, Loyalty Islands

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

IDC 23 14:29:53.0±0.9, 21°45'S, 01°16'8"E, 0.009, h20km, n30, c1541/24, mb3.8/6, MS3.4/5, Loyalty Islands

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

IDC 23 14:29:53.0±0.9, 21°45'S, 01°16'8"E, 0.009, h20km, n30, c1541/24, mb3.8/6, MS3.4/5, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DAV Davao City (W), LEM Lembang, etc.

IDC 23 14:29:53.0±0.9, 21°45'S, 01°16'8"E, 0.009, h20km, n30, c1541/24, mb3.8/6, MS3.4/5, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TORDD Torodi Ar. Bea, ILAR Eielson Array, etc.

IDC 23 14:49:53.3±2.5, 22.78N, 122°08'W, h0km, mb4.0/2, mbtmp3.8/3, ML3.0/1, Error ellipse: s-maj=84.2km s-min=46.3km az=84.0, Mauritania

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

23d 17h

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time Res, Res. Includes stations like Little Hootoon, Pah Rah Range, Mina Array Bea, etc.

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Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time Res, Res. Includes stations like ROSALIA, ESKDALEMIUR, NOVY KOSTEL, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, Res. Includes stations like Mitsune, Hachijo Jima, Matsuhiro Arr, etc.

23d 18h

Table with columns: TXAR, Station Name, Az, El, Pn, Sn, 18 02 16.4 -0.9, etc. Includes stations like Lajitas Array, Monterrey, Paz, Linhares, etc.

BJI 23 18:02:33.8-0.0, 27:15N:130:45E, h14km, mb4.9/75, mB5:3/3, Ms5:4/90, M17:5.3/33, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC, etc. Includes stations like Kikaishima, Amami Oshima, etc.

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Main table with columns: JNTH, Station Name, Az, El, Pn, Sn, 18 03 36.6 -2.9, etc. Includes stations like Nagotoyohara, Tamagusuku3, etc.

1664

Table with columns: TIA, Station Name, Az, El, Pn, Sn, 18 03 36.6 -2.9, etc. Includes stations like Wuhan, ChangSha, etc.

1665

Table with columns for station name, frequency, power, and other technical details. Includes stations like GUMO Guam, ASAJ Asahikawa, and various other locations.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like LZH, MYLDM Lahad Datu, and various other locations.

23d 18h

Table with columns for station name, frequency, power, and other technical details. Includes stations like CMAR, NLAI Namlea, ZAK Zakamensk, and various other locations.

23d 18h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MTN, KKN, UGM, PMG, etc.

2017 NOV

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

1666

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like F17K, F17K, O15K, etc.

Table with columns: Name, Score, Level, Status, Date, and other details. Includes entries like BALB, KECS, LANS, etc.

Table with columns: Name, Score, Level, Status, Date, and other details. Includes entries like PRU, PRA, K05A, etc.

Table with columns: Name, Score, Level, Status, Date, and other details. Includes entries like DAVA, EKA, FUORN, etc.

23d 18h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, I S C. Includes stations like WUAZ Wupatki, 113A Mohawk Valley, X16A Lo Mia Camp, etc.

TAP 23 18:08:18.2, 24.61N, 122.86E, h106km, ML3.5, C
JMA 23 18:08:18.4, 0.2, 25 N, 122.8E, 0.6, h106km, 7km,
MV2 6/17, NW OFF ISHIGAKIJIMA IS
ISC 23 18:08:18.7, 1.4, 24.57N, 0.04, 122.85E, 0.02, h103km, 7km,
n99, c089/161, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, I S C. Includes stations like JYNG Yonagunijimaku, YOJ Yonaguni jima, E0S3 E0S3, etc.

2017 NOV

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, I S C. Includes stations like FUSB, ENTT Nioudou, ETL Fush Village, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, I S C. Includes stations like WJS, WNT Mingjing, WNT, etc.

NOU 23 18:09:31.9, 21.64S, 169.36E, h0km, MLV4.8/8, Southeast of Loyalty Islands
IDC 23 18:09:35.0, 0.6, 21.61S, 168.94E, h0km, mb4.2/13,
m10p4, 2/16, ML4, 3/3, MS4, 0/3, Error ellipse:
s-maj=18.3km s-min=16.8km az=84.0
NEIC 23 18:09:36.2, 1.2, 21.60S, 0.08, 168.75E, 0.06, h10km, 1km,
mb4.7/29, Error ellipse: s-maj=14.4km s-min=7.9km
az=31.0
ISC 23 18:09:41.2, 0.1, 21.62S, 0.06, 168.91E, 0.07, h29km, n103,
c164/95, mb4.6/30, 1C, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, I S C. Includes stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, PINNC Pines Island, etc.

23d 19h

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 23d 19h band.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details for stations in the NEIC 23 18:40:47.1 band.

2017 NOV

Main table listing station call signs, names, frequencies, powers, and modes for the 2017 NOV period.

ADC 23 18:46:03.8±2.1, 1.1°N, 127.09E, h10km, mb3.5/3, mbtmp3.6/3, Error ellipse: s-maj=177.1km s-min=24.9km az=66.0

DJA 23 18:46:08.7±0.4, 1.1°N, 5°12'6E±1, h10km, M3.4/7, Mlv3.4/7

ISB 23 18:46:08.0±1.0, 0.6°N, 101.126±2.2E±0.06, h10km, n8, n178.9, mb3.5/3, Northern Molucca Sea

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations in the ADC 23 18:46:03.8 band.

NOU 23 19:11:08.1±2.4, 42°45'S-173°77'E, h10km, Mlv4.0/11, South Island, New Zealand

WEL 23 19:11:09.2±0.3, 42°S±2'17"E±1, h12km, 3km, M4.0/15, ML4.2/15, Mlv4.0/15, Error ellipse: s-maj=0.0km

ISB 23 19:11:09.5±0.8, 42°34'S±0.02', 173°61'E±0.03, h18km, 4km, n115, r132/128, South Island

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations in the NOU 23 19:11:08.1 band.

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Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details for stations in the 1672 band.

ADC 23 19:26:30.5±1.0, 29°56'N-94°49'E, h0km, mb3.6/9, mbtmp3.5/11, ML3.5/2, MS3.9/1, Error ellipse: s-maj=37.9km s-min=17.2km az=60.0

ISB 23 19:26:35.4±0.9, 29°56'N±0.1, 94°55'E±0.2, h35km, n12, n093/11, mb3.6/7, Eastern Xizang-India border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations in the ADC 23 19:26:30.5 band.

ALM 23 19:33:33.9±2.2, 38°S-24°86'E, h10km, MC4.0, BUL 23 19:33:35.7±1.4, 22°46'S±25°11'E, h10km, MD4.4

PRE 23 19:34:01.6±0.7, 24°02'S±23°72'E, h5km, ML2.5, NAM 23 19:34:14.6±0.3, 23°18'S±20°94'E, h15km, MD3.8

ISB 23 19:33:34.3±1.2, 22°38'S±0.05±25°07'E±0.08, h10km, n22, n3512/31, Botswana

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations in the ALM 23 19:33:33.9 band.

ALM 23 19:33:33.9±2.2, 38°S-24°86'E, h10km, MC4.0, BUL 23 19:33:35.7±1.4, 22°46'S±25°11'E, h10km, MD4.4

PRE 23 19:34:01.6±0.7, 24°02'S±23°72'E, h5km, ML2.5, NAM 23 19:34:14.6±0.3, 23°18'S±20°94'E, h15km, MD3.8

ISB 23 19:33:34.3±1.2, 22°38'S±0.05±25°07'E±0.08, h10km, n22, n3512/31, Botswana

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations in the ALM 23 19:33:33.9 band.

23d 20h

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like LPIG La Paz, Z41A Richland Creek, SGCY Sterling City, etc.

SOME 23 20:26:57.4, 40.43N, 77.00E, h10km
KRNET 23 20:26:58.2, 40.48N, 76.93E, mb2.4
NCC 23 20:26:59.0, 1.6, 40.46N, 77.06E, h0km, mb3.0, mpv2.7,
Error ellipse: s-maj=10.8km s-min=9.0km az=163.0,
ISC 23 20:26:58.4, 1.7, 40.45N, 0.07, 76.91E, 0.05, h10km, n33,
+181/43, 10C-167, Kyrgyzstan-Xinjiang border region

2017 NOV

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like ULHL Ulahol, KZA Kyzart, KZA KZA, etc.

23 20:43:39.1, 1.8, 5.72S, 130.98E, h0km, mb3.72,
mbmp4.0/5, ML3.9/3, MS3.7/3, Error ellipse: s-maj=55.8km
s-min=27.5km az=83.0,
DJA 23 20:43:50.4, 0.4, 6.5, 13.1E, h152km, 13km, M4.3/13,
mb4.4/7, mb4.9/4, ML4.2/13, Mw(mb)4.1/4,
ISC 23 20:43:49.7, 0.9, 6.17S, 0.07, 130.73E, 0.08, h100km, n17,
+186/15, Banda Sea

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Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like ASAR, JOW, SONM, MA2, MKAR, EIL.

IDC 23 20:44:33.2, 1.0, 7.28N, 76.30W, h0km, mb3.9/13,
mbmp3.9/16, ML3.3/3, MS3.7/20, Error ellipse:
s-maj=31.7km s-min=17.0km az=21.0,
UPA 23 20:44:37.5, 1.7, 7.24N, 76.05W, h10km, 12km, MW4.9,
RSPC 23 20:44:38.7, 2.9, 7.35N, 76.15W, h2km, 7km, ML3.8, Mw4.4,
Fault plane solution: N1P0, 0.00000, 822.00000,
78.00000,
NEIC 23 20:44:41.0, 2.6, 7.50N, 0.06, 76.08W, 0.07, h42km, 11km,
mb4.4/24, Error ellipse: s-maj=11.0km s-min=7.0km
az=50.0,
ISC 23 20:44:36.9, 0.8, 7.29N, 0.02, 76.08W, 0.02, h19km, 2km,
n176, +259/209, mb4.3/27, MS3.5/15, 12C-80, Northern

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like DBBC, UREC, APAC, MEDEC, HELC, ZARC, CBCC, LBCC, SOLC, PTAC, DGS, AML, ARSB, KTBS, KRBS, KRBS, CHKK, CHKK, PDGK, PDGK, PDGK, ARXS, ARXS, MNAS, MNAS, YOTO, YOTO, YOTO, PAMC, PAMC, PAMC, MALC, MALC, MALC, CHIC, CHIC, CHIC, CHPO, CHPO, PRAC, PRAC, PRAC, UPA, UPA, UPA.

Table with columns: Station Name, Frequency, Mode, Direction, and other parameters. Includes stations like UPA, ARRA3, PEDAS1, VILC, etc.

Table with columns: Station Name, Frequency, Mode, Direction, and other parameters. Includes stations like PBMO, FVM, CCM, TXAR, FNO, AQDB, etc.

Table with columns: Station Name, Frequency, Mode, Direction, and other parameters. Includes stations like PTBC, TAMC, RUSC, DBBC, etc.

Technical notes and call signs including IDC 23:20:55:28.9, JMA 23:20:55:31.6, NIED 23:20:55:31.6, RAR 23:20:55:31.6, etc.

Table with columns: Code, Station Name, Frequency, Mode, Direction, and other parameters. Includes stations like CHN5, ALS, WJK, WCKO, etc.

23d 20h

WN1T	Nantou City	0.32 358	U	Pg	20 55 39.8	+0.3
WN1T			S	Sb	20 55 45.2	+0.7
TYC	Yuch	0.35 261	U	Pg	20 55 40.2	+0.1
TYC			S	Sb	20 55 45.8	+0.3
SMLT	Sun Moon Lake	0.35 331	U	Pg	20 55 40.1	0.0
SMLT			S	Sb	20 55 45.9	+0.3
WTP	Ta-pu	0.35 192	U	Pg	20 55 40.1	0.0
WTP			S	Sb	20 55 45.6	+0.5
TWK	Hsinying	0.37 210	U	Pg	20 55 40.6	+0.2
TWK			S	Sb	20 55 46.8	+0.5
WYL	Yuanlin Townsh	0.38 345	U	Pg	20 55 41.0	+0.4
WYL			S	Sb	20 55 47.6	+1.0
SNST	Tainan City	0.41 206	U	Pg	20 55 41.2	+0.1
SNST			S	Sb	20 55 48.0	+0.7
WRL	Guolierlin Hig	0.42 317	U	Pg	20 55 41.6	+0.2
WRL			S	Sb	20 55 48.7	+1.0
STYH	Taoyuan	0.42 169	U	Pg	20 55 41.2	-0.2
STYH			S	Sg	20 55 47.4	+0.1
RLNB	Erlin	0.43 315	U	Pg	20 55 41.5	+0.1
RLNB			S	Sb	20 55 48.6	+0.8
CHN1	Nanshi	0.43 200	U	Pg	20 55 41.5	0.0
CHN1			S	Sb	20 55 48.5	+0.6
STYT	Taoyuan	0.43 172	U	Pg	20 55 41.5	0.0
STYT			S	Sb	20 55 48.2	+0.3
WSL	Shulin Townsh	0.43 261	U	Pg	20 55 41.8	+0.4
WSL			S	Sb	20 55 49.6	+1.7
WSF	Szhu	0.43 276	U	Pg	20 55 41.5	0.0
WSF			S	Sb	20 55 48.8	+0.8
ICHU	Yijhu	0.44 239	U	Pg	20 55 42.1	+0.4
ICHU			S	Sb	20 55 50.1	-1.4
VWDT	VWDT	0.44 68	U	Pg	20 55 41.9	+0.2
VWDT			S	Sg	20 55 48.0	+0.2
WWF	Wufeng	0.45 1	U	Pg	20 55 42.3	+0.5
WWF			S	Sb	20 55 49.5	+1.1
WTCT	Ta-ch'eng	0.46 306	P	Pg	20 55 42.0	-0.1
WTCT			S	Sb	20 55 49.6	+0.8
WMLT	Mailiao	0.48 296	eP	Pg	20 55 42.4	+0.1
WMLT			S	Sb	20 55 50.2	+1.0
WPL	Puli Township	0.48 30	U	Pg	20 55 42.2	-0.3
WPL			S	Sg	20 55 49.2	+0.1
DPDB	Guoxing	0.49 26	U	Pg	20 55 42.5	-0.1
DPDB			S	Sb	20 55 50.0	+0.4
ELDTW	W Lidau	0.50 143	U	Pg	20 55 42.6	-0.1
ELDTW			S	Sb	20 55 50.1	+0.2
WCHH	Zhanghua	0.50 346	U	Pb	20 55 43.0	+0.1
WCHH			S	Sb	20 55 51.1	+1.3
CHN8	Yijhu	0.50 241	U	Pb	20 55 42.9	+0.1
CHN8			S	Sb	20 55 51.8	-1.2
WCS	Beigang Elemen	0.51 23	U	Pb	20 55 42.8	-0.1
WCS			S	Sb	20 55 50.3	+0.3
SGST	Jiashian	0.52 191	U	Pb	20 55 42.2	-0.9
SGST			eS	Sg	20 55 50.1	+0.1
TCU	Taichung	0.56 359	U	Pb	20 55 44.0	+0.3
TCU			eS	Sg	20 55 52.4	+1.1
WUSB	Renai	0.56 44	U	Pb	20 55 43.4	-0.4
WUSB			S	Sb	20 55 50.8	-0.7
OWD	Renai	0.57 51	U	Pb	20 55 44.0	-0.2
OWD			S	Sb	20 55 51.5	-0.4
EHY	Hungye	0.58 98	U	Pb	20 55 44.4	+0.1
EHY			S	Sb	20 55 52.3	+0.2
SSHA	Shanhua	0.58 219	U	Pg	20 55 45.0	+0.7
SSHA			S	Sb	20 55 54.7	-0.4
YULB	Yu-li	0.59 109	P	Pb	20 55 43.8	-0.5
YULB			P	Pb	20 55 44.5	+0.2
YULB			P	Pb	20 55 44.1	-0.2
YULB			S	Sb	20 55 51.8	-0.5
CHN3	Shinhua	0.59 210	U	Pg	20 55 45.4	+0.1
CHN3			S	Sb	20 55 55.5	+0.2
SLGT	Liguai	0.60 184	U	Pg	20 55 44.8	+0.3
SLGT			S	Sg	20 55 53.5	+1.0
TWF1	Yuli	0.60 113	U	Pb	20 55 44.6	0.0
TWF1			S	Sb	20 55 52.9	+0.2
SCLT	Jiali	0.62 228	U	Pg	20 55 45.2	+0.4
SCLT			S	Sb	20 55 55.4	-0.4
EYUL	Yuli	0.62 113	U	Pb	20 55 44.9	0.0
EYUL			S	Sg	20 55 53.7	+0.3
CHGB	Renai	0.64 43	U	Pb	20 55 45.1	-0.3
CHGB			S	Sb	20 55 53.3	-0.7
EHD	Haiduan	0.65 133	U	Pb	20 55 45.3	0.0
EHD			S	Sb	20 55 53.9	0.0
SHHT	Tainan City	0.65 209	U	Pg	20 55 46.4	+0.9
SHHT			eS	Sb	20 55 57.0	+0.4
WARBT	Fenglin Townsh	0.65 79	U	Pb	20 55 45.2	-0.2
WARBT			S	Sb	20 55 53.6	-0.4
FULB	Fuli	0.68 125	U	Pg	20 55 46.4	+0.4

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FULB	baz=126		S	Sg	20 55 56.1	+1.0
EGFH	Guangfu	0.68 83	U	Pb	20 55 45.8	-0.1
EGFH			S	Sb	20 55 54.7	-0.2
HGSD	Ruisui	0.68 98	U	Pg	20 55 46.4	+0.3
HGSD			S	Sg	20 55 55.7	+0.6
ECS	Chishang	0.69 135	U	Pg	20 55 46.4	+0.3
ECS			S	Sb	20 55 56.5	+1.0
TAI1	Yung-k'ang	0.69 218	eP	Pg	20 55 47.0	+0.7
TAI1			eS	Sb	20 55 58.4	+0.7
TSCK	Chigu Township	0.71 232	eP	Pb	20 55 46.7	+0.3
TSCK			S	Sb	20 55 58.5	+0.4
ESL	Shilin	0.72 72	U	Pb	20 55 46.4	-0.1
ESL			S	Sb	20 55 55.7	-0.2
WHP	Taichung City	0.72 19	U	Pb	20 55 46.6	-0.1
WHP			S	Sg	20 55 57.2	+0.7
SCST	Cishan	0.72 195	eP	Pb	20 55 47.7	-0.2
SCST			eS	Sb	20 55 58.6	+0.1
TAI	Tainan	0.75 218	U	Pb	20 55 47.5	+0.5
TAI			S	Sb	20 55 59.4	+0.4
ECBN	Changbin	0.75 111	U	Pb	20 55 48.2	-0.1
ECBN			eS	Sb	20 55 59.2	+0.2
WDJ	Dajia District	0.76 356	U	Pg	20 55 47.7	+0.2
WDJ			S	Sb	20 55 58.9	-0.4
TWQ1	Liyutan	0.76 6	U	Pb	20 55 47.5	+0.2
TWQ1			S	Sg	20 55 58.3	+0.7
WHF	Hehuan Shan	0.76 43	U	Pb	20 55 47.3	-0.2
WHF			S	Sb	20 55 57.6	-0.2
TDCB	Techi	0.79 33	U	Pb	20 55 47.2	-0.6
TDCB			S	Sb	20 55 57.4	-0.8
TEGO	Jichi Village	0.79 81	U	Pb	20 55 48.3	+0.2
TEGO			S	Sg	20 55 59.3	+0.8
LXIB	Xiulin Townshi	0.79 57	U	Pb	20 55 47.6	-0.2
LXIB			S	Sb	20 55 58.7	+0.4
CHKT	Chengkung	0.79 128	U	Pg	20 55 48.5	+0.5
CHKT			S	Sb	20 56 00.3	+0.2
LONT	Longlian	0.79 149	U	Pb	20 55 47.9	+0.1
LONT			S	Sg	20 55 59.1	+0.5
TWT	Tachien	0.80 34	U	Pb	20 55 47.2	-0.8
TWT			S	Sb	20 55 57.6	-0.8
TWM1	Shoushan	0.80 198	U	Pb	20 55 49.3	+0.3
TWM1			eS	Sb	20 56 03.8	+3.4
ETM	Tongmen	0.82 63	U	Pb	20 55 48.1	-0.3
ETM			S	Sb	20 55 59.1	0.0
FUSS	Fushou	0.83 38	U	Pb	20 55 47.9	-0.6
FUSS			eS	Sg	20 56 00.2	+0.3
EDH	Donghe	0.83 137	U	Pb	20 55 49.0	+0.5
EDH			eS	Sb	20 56 01.5	+0.3
SDH	Sandimen	0.84 184	U	Pb	20 55 48.7	0.0
SDH			S	Sg	20 56 00.7	+0.4
TWG	Pinlang	0.84 155	U	Pb	20 55 48.4	-0.3
TWG			P	Pb	20 55 48.7	0.0
TWG			S	Sg	20 56 00.6	+0.4
TWGBT	Beinan	0.85 155	P	Pb	20 55 49.1	+0.3
TWGBT			P	Pb	20 55 48.7	-0.1
TWGBT			S	Sg	20 56 00.9	+0.4
SGLT	Jiouru	0.88 192	U	Pb	20 55 50.6	+0.6
SGLT			eS	Sb	20 56 05.1	+2.8
TSMG	Majia	0.88 183	U	Pb	20 55 49.4	+0.1
TSMG			S	Sg	20 56 01.8	+0.3
SNJT	Kaohsiung City	0.90 202	U	Pb	20 55 50.6	+0.3
SNJT			eS	Sb	20 56 05.0	+2.3
HWA	Hwaiien	0.92 65	U	Pb	20 55 50.4	+0.4
HWA			S	Sg	20 56 02.9	+0.1
TSPT	Pingtung City	0.93 191	eP	Pg	20 55 51.1	+0.4
TSPT			eS	Sb	20 56 05.5	+2.1
TTN	Taitung	0.93 153	U	Pg	20 55 51.2	+0.5
TTN			eS	Sb	20 56 06.0	+2.4
NMLH	Miaoqi	0.95 6	U	Pb	20 55 50.7	+0.2
NMLH			eS	Sg	20 56 03.7	+0.1
ETLH	Xiulin Townshi	0.95 50	U	Pb	20 55 50.1	-0.5
ETLH			eS	Sb	20 56 03.1	+0.3
TWD	Chiawan	0.96 59	U	Pb	20 55 50.4	-0.3
TWD			eS	Sb	20 56 02.9	-0.2
MASBT	Mashibuluo	0.97 183	eP	Pb	20 55 51.0	0.0
MASBT			eS	Sb	20 56 04.2	+0.7
WDGT	Dungji	1.00 251	U	Pb	20 55 50.5	-0.9
WDGT			S	Sb	20 56 04.2	0.0
NACB	Ninganchiao	1.01 55	P	Pb	20 55 51.2	-0.3
NACB			P	Pb	20 55 51.4	-0.2
NACB			P	Pb	20 55 50.9	-0.7
NACB			S	Sb	20 56 04.2	-0.3
ECL	Taimali	1.02 166	U	Pb	20 55 51.7	0.0
ECL			S	Sb	20 56 06.0	+0.2
ETL	Fush Village	1.02 56	eP	Pb	20 55 51.4	-0.4
ETL			S	Sb	20 56 05.4	+0.4
WSSB	Gushan	1.02 203	eP	Pb	20 55 52.3	+0.2

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WSSB	baz=217		eS	Sg	20 56 08.0	+2.0
PHUB	P'eng-hu	1.03 266	U	Pb	20 55 50.8	-1.1
PHUB			S	Sb	20 55 04.2	-0.8
PNG	Penghu	1.04 269	U	Pb	20 55 51.1	-1.0
PNG			eS	Sb	20 56 05.0	-0.4
NNSB	Datong	1.05 37	U	Pb	20 55 51.6	-0.7
NNSB			eS	Sb	20 56 04.6	-1.0
NNSH	Datong	1.05 37	U	Pb	20 55 51.6	-0.7
NNSH			eS	Sb	20 56 04.9	-0.8
NNS	Nan Shan	1.05 36	U	Pb	20 55 51.8	-0.5
NNS			eS	Sb	20 56 05.2	-0.6
NSTT	Nanjiang	1.07 15	U	Pb	20 55 52.4	-0.3
NSTT			S	Sb	20 56 06.7	+0.4
KAU	Kaohsiung	1.08 199	eP	Pb	20 55 52.9	+0.2
LIOB	Emei	1.09 16	U	Pb	20 55 52.8	-0.2
LIOB			eS	Sb	20 56 07.8	+0.1
NJN	Zhunan	1.10 9	eP	Pb	20 55 53.1	0.0
NJN			S	Sb	20 56 08.2	+0.4
NFF	Wufeng Townshi	1.11 21	U	Pb	20 55 53.1	-0.1
NFF			eS	Sb	20 56 07.5	+0.1
LDUT	Ludao	1.16 142	eP	Pb	20 55 53.7	-0.2
LDUT			eS	Sg	20 56 10.4	+0.1
NJD	Zhudong	1.20 18	eP	Pb	20 55 55.0	+0.2
NJD			eS	Sb	20 56 10.9	+0.7
EHP	Heiping Village	1.20 53	eP	Pb	20 55 54.8	+0.4
EAST	Anshuo	1.21 173	U	Pb	20 55 54.9	+0.3
EAST			S	Sg	20 56 11.5	-0.4
LATG	Datong	1.21 39	U	Pb	20 55 54.4	-0.4
LATG			eS	Sb	20 56 10.3	-0.1
SCZT	Fangliu					

TAP	baz=27	eS	Sb	20 56 22.1	0.0
NTC	Toucheng baz=25	1.63 39	eP	Pb	20 56 02.3 +0.1
NTC	baz=25	eS	Sb	20 56 23.9	+1.5
EOS2	baz=57	1.63 59	eP	Pb	20 56 02.5 +0.4
EOS3	EOS3 baz=78	1.64 65	eP	Pb	20 56 01.6 -0.6
TWK1	Hengchun	1.64 176	eP	Pn	20 56 01.1 +0.5
TWS1	Kuangyinshan baz=13	1.64 24	eP	Pn	20 56 01.7 +1.1
TWS1	baz=13	eS	Sb	20 56 22.4	-0.3
TWKBT	Hengchun baz=177	1.65 176	eP	Pn	20 56 00.9 +0.3
NHY	Taipei baz=10.0	1.65 29	eP	Pb	20 56 02.2 -0.2
NHY	baz=10.0	eS	Sb	20 56 22.9	0.0
EGS	baz=51	1.69 42	eP	Pb	20 56 03.4 +0.3
EGS	baz=51	eS	Sb	20 56 25.5	+1.6
TSEB	Hengchuen, Pin baz=191	1.69 173	eP	Pb	20 56 02.5 -0.7
NTST	Danshui baz=13	1.71 24	eP	Pb	20 56 03.6 0.0
NTST	baz=13	eS	Sb	20 56 24.4	-0.3
TIPB	Shuangxi baz=22	1.72 37	eP	Pb	20 56 03.3 -0.5
TIPB	baz=22	eS	Sb	20 56 24.6	-0.4
LAY	Lan-yu baz=153	1.74 153	eP	Pn	20 56 02.2 +0.4
LAY	baz=153	eS	Sn	20 56 24.6	+1.1
YM01	YM01	1.74 27	eP	Pn	20 56 02.7 +0.7
ANP	Anpu baz=7.0	1.76 25	eP	Pn	20 56 02.8 +0.6
NWF	Wu-fen Shan baz=33	1.78 34	eP	Pb	20 56 04.3 -0.4
WFSB	Wu-fen Shan baz=33	1.78 34	eP	Pb	20 56 04.7 +0.1
LYUB	Lan-yu baz=153	1.78 152	eP	Pn	20 56 01.7 -0.8
LYUB	baz=153	eS	Sn	20 56 23.0	-1.7
VWUC	VWUC baz=321	1.80 321	eP	Pn	20 56 01.4 -1.3
TNOU	National Taiwa baz=15	1.84 32	eP	Pb	20 56 04.9 -0.8
TWB1	Santiao Chiao baz=22	1.84 40	eP	Pn	20 56 04.7 +1.4
TWB1	baz=22	eS	Sb	20 56 28.9	+0.4
SX11	Grass Mountain baz=22	1.85 36	eP	Pb	20 56 06.2 +0.4
SX11	baz=22	eS	Sb	20 56 28.7	+0.1
TWY	Chenhua baz=10.0	1.87 26	eP	Pn	20 56 05.2 +1.5
NSM	Shimen baz=25	1.88 26	eP	Pn	20 56 05.3 +1.5
KNM	Kimmen baz=290	2.22 292	eP	Pn	20 56 09.1 +0.6
JYNG	Yonagunijimaku	2.23 67	P	Sn	20 56 09.3 +0.6
JYNG	baz=31	S	Pn	20 56 37.6 +1.9	
JYNG	Yonagunijimaku	2.23 67	A	A	20 56 09.3
KNMB	Chin-men Tao baz=292	2.28 293	eP	Pn	20 56 08.2 -1.1
KNMB	Chin-men Tao	2.28 293	eP	Pn	20 56 08.2 -1.1
YOJ	Yonaguni jima	2.29 67	P	Pn	20 56 10.1 +0.7
YOJ	Yonaguni jima	2.29 67	P	Pn	20 56 10.8 +1.3
YOJ	Yonaguni jima	2.29 67	A	A	20 56 38.7 +1.5
YOJ	Yonaguni jima	2.29 67	A	A	20 56 10.8
YOJ	Yonaguni jima	2.29 67	eP	Pn	20 56 10.3 +0.8
YOJ	baz=66	eS	Sn	20 56 38.6	+1.4
OZH	Quanzhou	2.34 306	/Pn	Pg	20 56 08.8 -1.4
OZH	baz=66	Pg	Pg	20 56 16.8	-0.8
OZH	comp=N,4um,0.9s	smax	smax	20 56 35.8	-2.6
PCYT	Pengchayui baz=31	2.39 31	eP	Pn	20 56 11.2 +0.4
MATB	Matsu baz=344	2.64 345	eP	Pn	20 56 12.9 -1.4
MSUT	Lienchiang baz=344	2.66 345	eP	Pn	20 56 13.8 -0.8
ZPLA	Ao Xicun baz=277	2.72 278	eP	Pn	20 56 14.6 -0.7
AXDP	Jialang baz=298	2.81 298	eP	Pn	20 56 15.7 -0.8
IRIF	Iriomote-Funau baz=72	2.88 74	eP	Pn	20 56 19.0 +1.4
IRIF	baz=72	S	Sn	20 56 53.9	+2.2
HATJ	Hateruma jima	2.89 80	P	Pn	20 56 19.2 +1.6
HATJ	baz=72	eS	Sn	20 56 53.9	+2.0
MHZQ	Yeshan baz=329	2.92 329	eP	Pn	20 56 17.2 -0.9
DSXP	Dongshan baz=272	3.00 273	eP	Pn	20 56 18.4 -0.7
LYJJ	Jianjiangzhen baz=343	3.06 344	eP	Pn	20 56 19.1 -1.0
JKRS	Kuro-shima baz=343	3.10 77	P	Pn	20 56 21.6 +1.0
JKRS	baz=343	eS	Sn	20 56 59.3	+2.1
JIJ	Ishigaki jima	3.25 76	P	Pn	20 56 22.7 +0.1
JJJ	Dashiiju baz=351	3.36 352	eP	Pn	20 57 01.6 +0.8
XPSS	Dashiiju baz=351	3.36 352	eP	Pn	20 56 23.3 -0.8
JISG	Ishigakijimahi	3.45 73	P	Pn	20 56 25.7 +0.2
JISG	baz=351	eS	Sn	20 57 05.8	-0.1
JTJ	Tarama	3.81 73	eP	Pn	20 56 33.1 +2.8
JTJ	baz=316	eS	Sn	20 57 18.3	+3.6
SXFK	Yanhouchang baz=316	3.93 316	eP	Pn	20 56 31.2 -0.9
JIRB	Irabujima	4.27 72	P	Pn	20 56 37.9 +1.2
JIRB	baz=316	eS	Sn	20 57 28.5	+2.4
JMK	Ikemajima	4.37 71	eS	Sn	20 57 29.9 +1.5
JMK	Miyako jima 2 baz=72	4.38 73	eP	Pn	20 56 40.8 +2.6
JMJ2	Miyako jima3 baz=234	4.39 74	P	Pn	20 56 40.1 +1.8
VDOS	Pratas Island	4.66 233	eP	Pn	20 56 42.5 +0.4
HKPS	Hong Kong Po S baz=234	6.18 259	Pn	Pn	20 57 02.8 -0.2
HKPS	Hong Kong Po S baz=257	6.18 259	eP	Pn	20 57 03.2 +0.3
GZH	Guangzhou	6.77 267	P	Pn	20 57 06.6 -4.5
GZH	comp=N,82nm,0.7s	smax	smax	20 58 14.6	-1.3
GZH	comp=N,640nm,1.0s	smax	smax		
GZH	comp=N,650nm,0.9s	smax	smax		
JOW	Kunigami	7.59 63	Pn	Pn	20 57 20.8 -1.5
JOW	Kunigami	7.59 63	Pn	Pn	20 57 21.8 -0.5
JOW	comp=N,2.2nm,0.3s,baz=336,slow=20,SNR=1.7	1.7		20 58 46.7	-1.1
CNSH	ChangSha	8.35 305	P	Pn	20 57 26.3 -6.4
CNSH	baz=316	S	S	20 58 57.6	-8.9
CNSH	comp=N,490nm,0.8s	smax	smax		
NJ2	Nanjing	8.58 349	P	Pn	20 57 34.5 -1.4
NJ2	comp=N,19nm,0.3s	smax	smax	20 59 11.0	-1.3
NJ2	comp=N,30nm,0.8s	smax	smax		
NJ2	comp=N,310nm,0.8s	smax	smax		
NJ2	comp=N,280nm,1.0s	smax	smax		
WHN	Wuhan	8.94 322	P	Pn	20 57 40.4 -0.4
WHN	baz=316	pP	pP	20 57 45.0	

WHN	S	Sn	20 59 18.9	-2.1		
WHN	LR	LR				
GULI	Guilin	9.56 282	P	Pn	20 57 50.6 +1.3	
GULI	comp=E,240nm,1.4s	smax	smax			
GULI	comp=E,130nm,0.9s	smax	smax			
QIZ	Qiongzong	11.08 248	P	Pn	20 58 09.4 -0.8	
QIZ	comp=E,750nm,8.8s	LR	LR	21 00 13.3	-0.4	
QIZ	comp=E,520nm,10.0s	LR	LR			
QIZ	comp=E,790nm,10.2s	LR	LR			
JNU	Nakatsue	13.05 41	LR	LR	21 04 16.1	
JNU	comp=S,305nm,19.8s,baz=242,slow=40	LR	LR			
LYN	LuoYang	13.07 329	P	Pn	20 58 41.4 +4.1	
LYN	comp=E,8.0nm,0.5s	pmax	pmax			
LYN	comp=E,260nm,4.7s	pmax	pmax			
LYN	comp=E,1um,14.1s	LR	LR			
LYN	comp=E,1um,13.7s	LR	LR			
LYN	comp=E,850nm,12.0s	LR	LR			
XAN	Xi'an	14.64 318	P	P	20 59 03.6 -1.5	
XAN	comp=E,6.0nm,0.9s	pmax	pmax			
XAN	comp=E,1um,14.6s	LR	LR			
XAN	comp=E,1um,13.7s	LR	LR			
XAN	comp=E,1um,12.6s	LR	LR			
HNS	HongShan	14.69 341	P	P	20 59 02.9 -2.6	
HNS	comp=E,28nm,0.8s	S	S	21 01 52.3	-8.2	
HNS	comp=E,790nm,12.2s	LR	LR			
HNS	comp=E,410nm,10.8s	LR	LR			
KSR5	Korea Array	15.15 23	Pn	Pn	20 59 06.3 +0.7	
KSR5	comp=E,0.2nm,0.3s,baz=300,slow=23,SNR=2.4	LR	LR	21 05 30.2		
KMI	Kunming	16.43 279	P	Pn	20 59 23.4 +0.9	
KMI	comp=E,175nm,20.4s,baz=205,slow=40	pmax	pmax			
KMI	comp=E,0.9nm,0.7s	pmax	pmax			
KMI	comp=E,9.0nm,0.8s	LR	LR			
KMI	comp=E,230nm,4.9s	LR	LR			
KMI	comp=E,380nm,8.5s	LR	LR			
KMI	comp=E,450nm,9.0s	LR	LR			
BJT	Beijing	16.82 348	P	Pn	20 59 27.7 +0.6	
BJT	comp=E,4.0nm,1.0s	pmax	pmax	20 59 26.3	-1.0	
BJI	Beijing	16.84 348	P	Pn		
BJI	comp=E,99nm,8.3s	LR	LR			
BJI	comp=E,170nm,9.1s	LR	LR			
BJI	comp=E,100nm,11.0s	LR	LR			
PZH	Panzhihua	17.41 284	P	Pn	20 59 38.8 +2.8	
PZH	comp=E,10.0nm,1.2s	S	S	21 02 42.9	-5.4	
PZH	comp=E,100nm,5.9s	smax	smax	21 02 53.8	-2.7	
PZH	comp=E,1um,16.9s	LR	LR			
PZH	comp=E,440nm,11.4s	LR	LR			
PZH	comp=E,490nm,10.9s	LR	LR			
LZH	Lanzhou	19.16 314	eP	pP	20 59 58.3 +2.1	
LZH	comp=E,13nm,1.0s	smax	smax	21 00 05.5	+1.9	
LZH	comp=E,720nm,16.8s	LR	LR			
LZH	comp=E,560nm,14.1s	LR	LR			
LZH	comp=E,510nm,15.5s	LR	LR			
BTO	Baotou	19.20 335	eP	pP	21 00 01.6 +5.1	
BTO	comp=E,16nm,0.7s	smax	smax	21 00 05.3	+1.4	
BTO	comp=E,340nm,4.5s	smax	smax	21 00 08.8	+8.0	
BTO	comp=E,1um,9.4s	pmax	pmax	21 00 18.3	+8.9	
BTO	comp=E,750nm,8.8s	LR	LR			
BTO	comp=E,620nm,9.3s	LR	LR			
BTO	Hachio jima 2	19.27 56	LR	LR	21 06 32.7	
BTO	comp=E,154nm,21.2s,baz=296,slow=34	P	P	21 00 05.8	-1.5	
TNCH	TengChong	20.26 279	P	S	21 03 49.9	-4.1
TNCH	comp=E,8.0nm,1.6s	pmax	pmax			
TNCH	comp=E,110nm,4.0s	pmax	pmax			
TNCH	comp=E,300nm,6.9s	LR	LR			
TNCH	comp=E,230nm,7.1s	LR	LR			
TNCH	comp=E,280nm,10.6s	LR	LR			
CN2	Changchun	20.54 10	eP	S	21 00 14.4	+2.2
CN2	comp=E,10.0nm,0.7s	pmax	pmax	21 03 59.0	+0.1	
CN2	comp=E,100nm,3.0s	LR	LR			
CN2	comp=E,200nm,10.0s	LR	LR			
CN2	comp=E,400nm,10.0s	LR	LR			
CN2	comp=E,200nm,10.0s	LR	LR			
XLT	XilinHaoTe	20.61 350	eP	Pn	21 00 12.3	-0.9
XLT	comp=E,12nm,1.1s	pmax	pmax			
XLT	comp=E,210nm,4.5s	pmax	pmax	21 00 16.8	+1.1	
CHTO	Chiang Mai	20.82 261	P	Pn	21 00 18.3	
CHTO	comp=N,7.3nm,0.7s	IAMB	IAMB			
CMAR	Chiang Mai Arr	20.93 260	P	P	21 00 13.9	-0.5
CMAR	comp=N,1.8nm,0.6s,baz=66,slow=9.0,SNR=14	P	P	21 00 15.4	+1.0	
USRK	Ussuriysk Ar.	22.55 22	P	P	21 00 32.4	+0.8
USRK	comp=N,1.3nm,0.7s,baz=152,slow=9.4,SNR=2.5	P	P			
MRSI	Marsis	23.01 177	P	P	21 00 38.3	+1.7
MRSI	comp=N,2.7nm,0.9s	P	P			
GTA	Gaotai	23.70 317	eP	pP	21 00 51.9	+8.4
GTA	comp=N,200nm,13.9s	smax	smax	21 00 56.1	+4.0	
GTA	comp=N,200nm,13.9s	smax	smax	21 01 00.0	+1.1	
GTA	comp=N,200nm,13.9s	smax	smax			
GTA	comp=N,240nm,15.1s	LR	LR			
GTA	comp=N,170nm,15.1s	LR	LR			
LUWI	Luwuk	24.57 175	P	P	21 00 54.0	+2.4
LUWI	comp=N,52nm,0.9s,comp=N,2.2nm	P	P	21 01 06.1	+4.6	
GOMU	GeErMu	25.62 305	S	S	21 05 35.8	+6.7
GOMU	comp=N,3.0nm,0.7s	smax	smax			

GOMU	comp=N,120nm,11.1s	LR	LR		
GOMU	comp=N,210nm,11.0s	LR	LR		
GOMU	comp=N,240nm,10.4s	LR	LR		
ULN	Ulaanbaatar	26.55 339	P	P	21 01 10.1 +0.6
ULN	comp=N,3.3nm,0.8s	IAMB	IAMB	21 01 27.9	
SOMN	Songino Array	26.74 338	P	P	21 01 11.7 +0.5
SOMN	Songino Array	26.74 338	P	P	21 01 10.3 -0.8
SOMN	comp=N,1.0nm,0.8s,baz=162,slow=11,SNR=7.3	LR	LR		
SOMN	comp=N,2.58nm,20.0s,baz=230,slow=37	LR	LR	21 11 53.4	
KLR	Kul'dur	27.03 16	LR	LR	21 12 43.7
KLR	comp=N,1.79nm,18.5s,baz=197,slow=38	LR	LR		
LSA	Lhasa	27.05 289	P	P	21 01 15.3 +0.8
LSA	comp=N,4.8nm,0.7s	IAMB	IAMB	21 01	

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PKIN Phulchoki, PKI Pulchoki, GUN Gumba, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KHC Kasperske Hory, CLL Collin, NB2 NORARS Subarra, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LKRN Lenkeran, AZER Germi, YRD Yardiimli, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like BR131 Keskin Array S, WSAR Wadi Sarin, and many others.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like EKA Eskdalemuir Arr, ESCD Sonseca Array, and many others.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like NEIC 23 22:43:03.0, CROK Carrier, and many others.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KAN13 South Haven SW, KAN17 Caldwell West, etc.

IDC 24 00:12:03.0-1.2, 22.24S:68.21W, h87km, 19km, mb3.4/1, mbmp3.6/3, Error ellipse: s-maj=62.4km s-min=25.9km az=126.0

GUC 24 00:12:03.0-0.7, 22.03S:68.67W, h113km, 4km, ML3.4, ISC 24 00:12:03.3-0.9, 22.04S:68.63W, h107km, 8km, n17, c1508/29, 8C, Northern Chile

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PB09 IPOC Station P, LVC Limon Verde, etc.

IDC 24 00:17:18.5-6.5, 16.87N:146.55E, h0km, mb3.5/6, mbmp3.5/6, Error ellipse: s-maj=259.4km s-min=23.4km az=82.0, Mariana Islands

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

RSNC 24 00:18:13.7-2.7, 7.35N:76.17W, h0km, 6km, ML3.0, Mw3.5, 1C, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DBBC Dabeiba, APAC Apartado, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HELC Santa Helena, HELC Ciudad Bolivar, etc.

NAO 24 00:41:47.0-2.1, 71.42N:3.75W, ML3.3, BEO 24 00:41:49.9-2.7, 71.39N:4.10W, h10km, mb(Pn)4.3, ML3.3(NAO), Confirmed Earthquake

ISC 24 00:41:45.8-1.1, 71.51N:10.40W, h0.07, h12km, n40, c270/46, Jan Mayen Island region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DBG Daneborg, DAG Danmarks Havn, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NOR Nord, NRO Noreess Array S, etc.

NNC 24 00:42:07.5-2.1, 42.67N:87.80E, h12km, 6km, mb3.8, mpv3.5, 7C-4D, Error ellipse: s-maj=14.7km s-min=10.9km az=132.0, Northern Xinjiang

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

NEIC 24 00:56:15.2-1.4, 19.39N:0.09-67.84W, h35km, 2km, ML2.2/12, M3.2/4(RSPR), Error ellipse: s-maj=19.0km s-min=3.1km az=40.0

RSPR 24 00:56:15.7, 19.34N:67.89W, h61km, 18km, MD3.2/4, ISC 24 00:56:14.0-2.1, 19.3N:0.2-67.84W, h21km, n19, c0563/22, 3C-2D, Mona Passage

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AGPR Aguadilla, PR, LSP Las Mesas, etc.

NEIC 24 02:51:23.9-0.7, 35.09N:0.02-96.21W, h0.01, h5km, 2km, Error ellipse: s-maj=3.4km s-min=3.0km az=206.0

TUL 24 02:51:23.1-0.9, 35.07N:0.02-96.20W, h0km, 7km, ML2.3, mb_Lg2.3/22(NEIC), ML2.5/22(NEIC), Error ellipse: s-maj=2.6km s-min=1.1km az=221.0, Oklahoma

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like W35A Tecumseh, W35A Tecumseh, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Z35A, U38A, Z38A, etc.

IDC 24 03:02:27.9, 0.9, 67.72N, 34.13E, h0km, mb3.4/3, mbmp3.8/9, ML2.9/6, MS3.3/2, Error ellipse: s-maj=12.4km s-min=9.8km az=58.0

KOLA 24 03:02:28.1, 67.64N, 33.79E, h0km, ML2.2, Error ellipse: s-maj=6.1km s-min=2.1km az=150.0, Khibiny, mines Kirovsk, Yukspor, Khibiny, mines Rasvumchor, Central HEL 24 03:02:28.3, 0.2, 67.67N, 33.75E, h0km, ML2.0, Suspected explosion

ISC 24 03:02:26.3, 0.7, 67.59N, 0.04, 33.84E, 0.03, h0km, n359, +183/6/4, Baltic States-Belarus-Northwestern Russia

Main table of station data for the 24d 4h period, including station names like APA, ARPA, LVZ, etc., and their respective coordinates and parameters.

NEIC 24 03:00:02.9, 1.0, 56.23N, 0.07, 161.77W, 0.08, h224km, 7km, ML3.5(AEIC), Error ellipse: s-maj=12.1km s-min=3.0km az=152.0, Alaska Peninsula

Main table of station data for the 2017 NOV period, including station names like PN7A, PS7A, SDPT, etc., and their respective coordinates and parameters.

NOU 24 03:54:41.7, 21.715S, 169.21E, h0km, MLV4.3/9, Southeast of Loyalty Islands

IDC 24 03:54:44.7, 1.1, 21.89S, 168.90E, h0km, mb3.7/6, mbmp3.7/7, ML3.8/1, MS3.0/1, Error ellipse: s-maj=41.5km s-min=24.7km az=156.0

ISC 24 03:54:49.4, 0.9, 21.66S, 0.09, 168.82E, 0.10, h35km, n18, +150/1/18, mb3.6/6, Loyalty Islands

Main table of station data for the 2017 NOV period, including station names like MARNC, PINNC, LIFNC, etc., and their respective coordinates and parameters.

IDC 24 04:05:05.2, 0.8, 54.45N, 162.52E, h0km, mb3.5/8, mbmp3.5/12, ML3.3/7, MS2.7/6, Error ellipse: s-maj=32.0km s-min=16.7km az=148.0

KRSC 24 04:05:06.7, 0.8, 54.99N, 161.77E, h30km, 19km, ML4.4, MOS 24 04:05:07.9, 0.6, 55.03N, 161.81E, h31km, mb4.0/1, Error ellipse: s-maj=9.9km s-min=4.8km az=84.6

ISC 24 04:05:02.8, 1.2, 54.88N, 0.02, 161.80E, 0.04, h1km, gkm, n60, +138/9/8, mb3.5/9, Near east coast of Kamchatka Peninsula

Main table of station data for the 2017 NOV period, including station names like TUMD, TUMR, TUMS, etc., and their respective coordinates and parameters.

Main table of station data for the 2017 NOV period, including station names like ZLNL, BZMR, BZMY, etc., and their respective coordinates and parameters.

MJAR Matushiro Arr 24.45 231 P 04 10 26.7 +3.7

ILAR Eielson Array 26.85 48 P 04 10 46.0 +1.6

INK Inuvik 31.84 40 P 04 24 22.6

H1N2 WAKE ISLAND Hy 35.31 172 T 04 49 13.4

H1N3 WAKE ISLAND Hy 35.32 172 T 04 49 14.2

H1N1 WAKE ISLAND Hy 35.33 172 T 04 49 15.5

H1S1 WAKE ISLAND Hy 36.50 172 T 04 50 45.2

H1S3 WAKE ISLAND Hy 36.52 172 T 04 50 44.1

H1S2 WAKE ISLAND Hy 36.57 172 T 04 50 51.6

SPITS Spitsbergen Ar 45.53 351 P 04 13 30.0 +6.7

SPITS Spitsbergen Ar 45.53 351 P 04 13 29.9 +6.7

NVAR Niina Arr 54.21 72 P 04 14 31.0 +1.0

PDAR Pinedale Arr 57.59 63 P 04 14 43.1 +1.7

FINES FINESSE Arr 58.37 37 P 04 15 09.2 +6.7

CMAR Chiang Mai Arr 59.53 259 LR 04 42 52.6

TXAR Lajitas Arr 69.03 69 P 04 16 11.3 +1.3

WRA Warramunga Arr 78.14 206 P 04 17 04.8 +1.5

ASAR Aice Springs 81.20 206 P 04 17 25.1 +1.9

GSPA South Pole Q1 144.63 180 PKPKIP 04 24 38.7 -4.6

IDC 24 04:40:43.1, 1.4, 14.21S, 75.55W, h50km, 14km, mb3.7/5, mbmp3.8/12, ML3.3/7, MS2.7/6, Error ellipse: s-maj=26.8km s-min=9.7km az=52.0

ISC 24 04:40:44.5, 0.6, 14.16S, 0.09, 75.51W, 0.10, h66km, n25, +0597/21, mb3.9/5, Near east coast of Peru

Main table of station data for the 2017 NOV period, including station names like NNA, NNA, NNA, etc., and their respective coordinates and parameters.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PNHZ Pukenui, BFZ Birch Farm, PRWZ Pori Road, etc.

NNC 24 05:20:37.4:6.0, 37.00N:70.29E, h0km, mb3.6, mvp3.3, 3C-2D, Error ellipse: s-maj=57.7km s-min=43.9km az-131.0, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AML Almayusha, KK31 Karatay Arr, AB31 Akbulak arr.

IDC 24 05:45:57.9:14.0, 6.559S:129.28E, h496km, mb3.6, mvp3.3, mb2.7/2, Error ellipse: s-maj=113.4km s-min=104.5km az-113.0, Banda Sea

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

IDC 24 05:47:45.8:3.4, 54.37N:86.69E, h0km, mbtmp3.1/2, ML2.5/2, Error ellipse: s-maj=26.5km s-min=16.7km az=52.0, Southwestern Siberia

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

SOME 24 05:49:24.8, 47.03N:79.55E, h5km, ISC 24 05:49:23.9:5.1, 47.1N:0.74E:0.2, h10km, n5, c=234/5, 1C-1D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, DJR Jarkent, ARX Arharly.

IDC 24 06:30:26.5:3.0, 53.71N:88.02E, h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=26.2km s-min=16.0km az=62.0, Southwestern Siberia

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

IDC 24 06:35:14.1:2.3, 54.14N:86.28E, h0km, mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=18.3km s-min=10.9km az=62.0, Southwestern Siberia

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

NOU 24 07:23:54.3, 21.22S:169.14E, h0km, MLV4.2/7, Southeast of Loyalty Islands

IDC 24 07:24:00.7:1.3, 21.49S:168.82E, h0km, mb4.0/4, mbtmp=0.5, ML3.7/1, MS3.0/3, Error ellipse: s-maj=42.4km s-min=25.4km az=160.0, NEIC 24 07:24:00.2:1.2, 21.46S:0.07:168.82E:0.05, h10km, 1km, mb4.4/9, Error ellipse: s-maj=12.4km s-min=8.3km az=356.0

ISC 24 07:25:59.0:8.2, 13.95S:108.168:80E:0.08, h10km, n32, c=593/31, mb4.2/6, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, LIFNC LIFOU.

ONTC Ouen Toro, ONTC Port Laguerre, KOUNC Koumac, New Ca, MSFV Nonsavu, FUNA Funafuti.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HIZ HAITI, CTZ Charters Tower, STKA Stephens Creek.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PSAO0 Pilbara Seismi, MBWA Marble Bar, GSPA South Pole Qui.

NEIC 24 07:24:30.2:1.7, 11.93S:0.1:77.30W:0.1, h52km, 12km, mb3.8/1, Error ellipse: s-maj=18.8km s-min=14.8km az=68.0, Near coast of Peru

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NNA Nana, NNA Cruzeiro do Su, MCRA Macar, Loja, BOSC San Juan Bosco.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TBGT Tabatinga, PB11 IPOC Station P, ETMB Extrema.

DJA 24 07:25:13.6:0.2, 8.3:3.3:12.8E:1, h162km, 7km, M4.7/12, mb5.1/6, mb4.5/12, MLV5.0/12, MW(MB)4.5/6, NEIC 24 07:25:13.9:2.9, 7.66S:0.08:127.64E:0.07, h172km, 11km, mb4.9/11, Error ellipse: s-maj=11.9km s-min=10.1km az=200.0

IDC 24 07:25:14.7:2.3, 7.56S:127.32E, h186km, 25km, mb3.5/8, mbtmp4.2/11, MS2.6/1, Error ellipse: s-maj=23.6km s-min=14.9km az=48.0

ISC 24 07:25:12.3:0.5, 7.61S:0.06:127.56E:0.06, h162km, n64, c=1549/65, mb4.0/11, Banda Sea

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MTN Manton Dam, FAKI Fak Fak, FAKI Fak Fak.

IDC 24 07:25:14.7:2.3, 7.56S:127.32E, h186km, 25km, mb3.5/8, mbtmp4.2/11, MS2.6/1, Error ellipse: s-maj=23.6km s-min=14.9km az=48.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KDU Kakadu, KMPI Kramas Papua, BASI Baing, Sumba.

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

MBWA Marble Bar, PSAO0 Pilbara Seismi, PSAO0 Pilbara Seismi, COEN Coen.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRKA Warakula, QIS Mount Isa, PMG Port Moresby.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BBJJ Bungulung, MEEK Meekeo, OOD Oodnadatta.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MJAR Matsushiro Arr, MAJO Matsushiro.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MJBW Matsushiro, SONM Songino Arr, MKAR Makanchi Array.

NNC 24 07:25:38.1:0.4, 49.99N:78.72E, h0km, 5km, mb3.0, mpv2.7, Error ellipse: s-maj=7.0km s-min=2.9km az=66.0, Suspected Mining explosion.

IDC 24 07:25:40.0:1.1, 50.06N:78.72E, h0km, mbtmp2.6/2, ML2.0/2, Error ellipse: s-maj=19.7km s-min=6.7km az=200.0

ISC 24 07:25:39.2:1.0, 49.99N:0.06:78.7E:0.1, h0km, n19, c=67/29, 9C-5D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KUR07 Kurchatov Arr, KUR07 Kurchatov Arr, KUR06 Kurchatov Arr.

24d 7h

L16K	Owhat River	30.64	46	P	P	07 36 54.7 +1.0
L16K	Owhat River	30.64	46	P	P	07 36 54.9 +1.2
H17K	Ganikhe Mouna	30.68	40	P	P	07 36 55.2 +1.2
E18K	Tukpahlearik C	30.82	35	P	P	07 36 55.7 +0.6
C18K	Utukok River	30.88	32	P	P	07 36 56.2 +0.4
M16K	Timber Creek	30.89	48	P	P	07 36 57.1 +1.2
S14K	Fog Glacier	30.92	57	P	P	07 36 58.4 +2.0
MOY	Monday	30.94	294	eP		07 36 57.3 +0.7
LYN	LuoYang	31.09	257	↑P		07 36 58.5 +0.5
LYN				pmax	pmax	
L17K	Donlin	31.21	45	P	P	07 37 00.2 +1.6
K17K	Iditarod	31.22	44	P	P	07 37 00.1 +1.3
G18K	Tagagawik	31.32	38	P	P	07 37 00.7 +1.1
H18K	Honhosa River	31.36	40	P	P	07 37 01.1 +1.2
O16K	Kokwok River B	31.37	50	P	P	07 37 01.3 +1.3
P16K	Nushagak River	31.46	51	P	P	07 37 02.5 +1.6
CHGN	Chignik	31.55	57	P	P	07 37 03.3 +1.7
C19K	Lookout Ridge	31.56	32	P	P	07 37 02.9 +1.3
M17K	Holitna River	31.62	47	P	P	07 37 03.9 +1.7
N17K	Nushagak Hills	31.77	48	P	P	07 37 04.8 +1.3
F19K	Shaleruckik Mo	31.80	36	P	P	07 37 04.2 +0.5
O17K	Koliganek Bris	31.86	50	P	P	07 37 06.1 +1.8
D19K	Kuna River	31.95	33	P	P	07 37 06.0 +1.0
GCSA	Galena City Sc	31.95	40	P	P	07 37 05.6 +0.6
J18K	Imoko River	31.96	43	P	P	07 37 06.1 +1.0
L18K	Granite Mouna	31.96	45	P	P	07 37 06.6 +1.5
G19K	Purcell Mouna	31.99	38	P	P	07 37 06.1 +0.8
E19K	Redstone River	32.10	35	P	P	07 37 07.1 +0.8
Q16K	King Salmon	32.19	52	P	P	07 37 08.3 +1.2
H19K	Roundabout Mou	32.19	39	P	I	07 37 08.4 +1.4
H19K	Roundabout Mou	32.19	39	P	I	07 37 09.2
H19K	Roundabout Mou	32.19	39	P	P	07 37 08.2 +1.1
TTA	Tatalina	32.27	44	P	I	07 37 09.2 +1.3
TTA	Tatalina	32.27	44	P	I	07 37 09.7
TTA	Tatalina	32.27	44	P	P	07 37 09.2 +1.3
TTA	Tatalina	32.27	44	P	pmax	
TTA	Tatalina	32.27	44	P	pmax	
M18K	Stony River	32.39	47	P	P	07 37 10.4 +1.6
N18K	Kilae Creek	32.40	48	P	P	07 37 10.6 +1.6
J19K	Poorman	32.47	42	P	P	07 37 10.6 +1.1
D20K	Etiulik River	32.53	33	P	P	07 37 10.8 +0.8
WHN	Wuhan	32.57	249	↑P		07 37 10.9 +0.2
WHN	Wuhan			pmax	pmax	
B20K	Meade River	32.59	31	P	P	07 37 11.4 +1.0
E20K	Nigu River	32.61	34	P	P	07 37 11.4 +0.7
F20K	Avarart Lake	32.63	36	P	P	07 37 11.3 +0.5
Q17K	Contact Creek	32.63	53	P	P	07 37 12.0 +0.9
L19K	White Mountain	32.83	45	P	P	07 37 13.3 +0.7
H20K	Anoteleegaa Mo	32.84	39	P	P	07 37 13.5 +0.8
P18K	Big Mountain	32.84	50	P	P	07 37 14.0 +1.2
I20K	Naaghedeneel	32.98	40	P	P	07 37 15.0 +1.2
Q18K	Katmai Hardscr	33.04	52	P	P	07 37 15.7 +1.1
M19K	Big River Lodg	33.05	46	P	P	07 37 15.8 +1.2
J20K	Novinta River	33.12	42	P	P	07 37 16.3 +1.3
K20K	Telida	33.15	43	P	P	07 37 16.5 +1.1
C21K	Knifeblade Rid	33.26	32	P	P	07 37 16.8 +0.7
L20K	Farewell, AK	33.27	45	P	P	07 37 17.5 +1.1
IMAR	Indian Mounai	33.33	38	P	P	07 37 17.4 +0.5
B21K	Ikpikpuk River	33.39	32	P	P	07 37 18.2 +1.0
E21K	Killik River	33.45	34	P	P	07 37 18.4 +0.6
G21K	Allakaket	33.46	37	P	P	07 37 19.0 +1.0
F21K	Alatna River	33.52	36	P	P	07 37 19.4 +0.9
M20K	Styx River	33.65	46	P	P	07 37 21.0 +1.3
XAN	X'tan	33.70	259	↑P		07 37 19.6 -0.9
XAN	X'tan			pmax	pmax	
XAN	X'tan			LR	LR	
XAN	X'tan			LR	LR	
Q19K	Cape Douglas	33.71	51	P	P	07 37 21.1 +1.0
Q19K	Cape Douglas	33.71	51	P	P	07 37 21.2 +1.0
H21K	Melozitna Rive	33.71	39	P	P	07 37 21.1 +1.0
B22K	Teshekpuk Lake	33.71	30	P	P	07 37 22.6 +1.0
CHUM	Lake Minchumin	33.92	42	P	P	07 37 23.2 +1.3
D22K	Ayikyak River	33.97	33	P	P	07 37 23.0 +0.7
PPLA	Purkeypile	34.02	44	P	P	07 37 24.1 +1.2
F22K	John River	34.04	36	P	P	07 37 24.1 +1.2
CAST	Castle Rocks	34.05	43	P	I	07 37 24.6 +1.7
CAST	Castle Rocks			I	I	07 37 25.6
CAST	Castle Rocks	34.05	43	P	P	07 37 24.7 +1.7
YULB	Yu-Hi	34.05	232	P	P	07 37 23.8 +0.3
I21K	Tanana	34.05	40	P	P	07 37 24.2 +1.3
O20K	Slope Mountain	34.07	49	P	P	07 37 24.5 +1.2
N20K	Mount Spurr	34.15	47	P	P	07 37 25.5 +1.5
E22K	Anaktuvuk Pass	34.22	34	P	P	07 37 25.2 +0.8
G22K	Bettles	34.27	37	P	P	07 37 25.6 +0.8
H22K	Ishlatitna Cre	34.30	38	P	P	07 37 26.5 +1.4
SKT	Skwentna	34.40	45	P	P	07 37 26.6 +0.6
SKT	Skwentna	34.40	45	P	P	07 37 27.2 +1.2
Q20K	Shuyak Island	34.40	51	P	P	07 37 26.1 +0.1
KDAK	Kodiak Island	34.45	53	P	P	07 37 26.5 +0.1
KDAK	Kodiak Island	34.45	53	P	P	07 37 26.7 +0.4
KDAK	Kodiak Island			comp-Z,17nm,0.5s	comp-Z,17nm,0.5s	
KDAK	Kodiak Island			comp-Z,17nm,0.5s	comp-Z,17nm,0.5s	

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BPAW	Bear Paw Mtn.	34.50	42	P	P	07 37 28.2 +1.3
BPAW	Bear Paw Mtn.	34.50	42	P	P	07 37 28.1 +1.3
KTH	Kantishna Hill	34.56	43	P	I	07 37 28.4 +1.0
KTH	Kantishna Hill			I	I	07 37 30.0
MLY	Manley	34.58	40	P	P	07 37 28.7 +1.2
D23K	Nanushuk River	34.70	33	P	P	07 37 29.4 +1.0
COLD	Coldfoot	34.79	36	P	P	07 37 30.2 +1.0
C23K	Itkillik River	34.80	32	P	P	07 37 30.3 +1.1
TRF	Thorofore Moun	34.85	43	P	P	07 37 30.6 +0.7
TRF	Thorofore Moun	34.85	43	P	P	07 37 31.1 +1.1
G23K	Bananza Creek	34.86	37	P	P	07 37 30.6 +0.7
E23K	Chandalar	35.04	35	P	P	07 37 32.5 +1.0
H23K	Yukon River	35.06	39	P	P	07 37 32.9 +1.4
TOLK	Toolik Lake Re	35.08	34	P	P	07 37 32.6 +0.9
I23K	Minto, Yukon-K	35.16	40	P	P	07 37 33.8 +1.5
BWN	Browne	35.16	41	P	P	07 37 34.0 +1.6
NEA2	Nenana	35.31	41	P	P	07 37 34.5 +0.8
NEA2	Nenana			I	I	07 37 35.6
NEA2	Nenana	35.31	41	P	P	07 37 34.9 +1.3
RC01	Rabbit Creek A	35.35	47	P	P	07 37 34.0 0.0
RC01	Rabbit Creek A			I	I	07 37 36.2
RC01	Rabbit Creek A	35.35	47	P	P	07 37 34.6 +0.6
D24K	Happy Valley	35.38	33	P	P	07 37 34.8 +0.7
MCK	McKinley	35.43	42	P	P	07 37 36.0 +1.3
O22K	Cooper Landing	35.45	48	P	P	07 37 35.4 +0.6
C24K	Franklin Bluff	35.45	32	P	P	07 37 35.7 +1.0
E24K	Four Creek	35.47	35	P	P	07 37 35.8 +0.8
E24K	Your Creek	35.47	35	P	P	07 37 36.2 +1.2
PMR	Palmer	35.58	46	P	P	07 37 36.5 +0.7
PMR	Palmer	35.58	46	P	P	07 37 37.3 +1.5
SEW	Seward	35.64	48	P	P	07 37 37.2 +0.8
F24K	Squaw Lake	35.69	36	P	P	07 37 37.7 +0.9
WAT1	Susitna Watana	35.69	44	P	P	07 37 37.7 +0.8
WRH	Wood River Hil	35.74	41	P	I	07 37 38.2 +1.0
WRH	Wood River Hil			I	I	07 37 39.4
H24K	Noodor Dome	35.74	39	P	P	07 37 38.9 +1.6
LZH	Lanzhou	35.79	267	↑P		07 37 39.0 +0.7
LZH	Lanzhou			p	p	07 38 45.8 -5.2
LZH	Lanzhou			p	p	
COLA	College	35.81	40	P	P	07 37 39.2 +1.4
COLA	College	35.81	40	P	P	07 37 39.1 +1.4
CCB	Clear Creek Bu	35.85	41	P	P	07 37 38.7 +0.6
G24K	Hadweencik Riv	35.87	37	P	P	07 37 39.9 +1.5
KNK	Knik Glacier	35.92	46	P	P	07 37 39.9 +1.1
SML	Sawmill	35.92	45	P	P	07 37 40.1 +1.2
PWRK	Poker Plat Res	35.97	40	P	P	07 37 40.5 +1.3
POKL	Port Wells	36.06	47	P	P	07 37 41.0 +1.1
WAT6	Susitna Watana	36.09	44	P	P	07 37 41.0 +0.6
DHY	Deaf Highway	36.20	43	P	P	07 37 42.0 +0.8
M23K	Glacier View	36.21	45	P	P	07 37 42.0 +0.8
ILAR	Eielson Army	36.23	40	P	P	07 37 42.1 +0.7
ILAR	Eielson Army	36.23	40	P	P	07 37 41.9 +0.5
ILAR	Eielson Army			comp-Z,1nm,0.6s	comp-Z,1nm,0.6s	
ILAR	Eielson Army			comp-Z,0.6nm,0.4s	comp-Z,0.6nm,0.4s	
ILAR	Eielson Army			comp-Z,0.2nm,0.7s	comp-Z,0.2nm,0.7s	
ILAR	Eielson Army			comp-Z,0.8,1nm,0.6s	comp-Z,0.8,1nm,0.6s	
HDA	Harding Lake	36.24	41	P	P	07 37 41.7 +0.3
D25K	Kavik River	36.26	33	P	P	07 37 42.1 +0.6
SCM	Sheep Creek Mo	36.39	45	P	P	07 37 44.0 +1.2
G25K	Beam Lake	36.41	37	P	P	07 37 44.1 +1.3
F25K	Christian Rive	36.55	35	P	P	07 37 45.1 +1.1
H25L	Birch Creek	36.56	38	P	P	07 37 45.6 +1.6
E25K	Arctic Village	36.56	35	P	P	07 37 45.3 +1.2
P23K	Montague Islan	36.67	48	P	P	07 37 46.2 +1.1
C26K	Camden Bay	36.77	32	P	P	07 37 47.0 +1.3
K24K	Donnelly Dome	36.82	42	P	P	07 37 46.8 +0.5
M24K	Tolsona, Glenn	36.89	45	P	P	07 37 48.0 +1.1
M24K	Tolsona, Glenn			I	I	07 37 55.6
M24K	Tolsona, Glenn	36.89	45	P	P	07 37 47.9 +1.0
J25K	Salcha River,	36.90	40	P	P	07 37 47.1 +0.2
PAX	Paxson	37.07	43	P	P	07 37 49.6 +1.1
KLU	Klutina	37.11	46	P	I	07 37 50.3 +1.5
KLU	Klutina			I	I	07 50.5
KLU	Klutina			comp-Z,20nm,0.6s	comp-Z,20nm,0.6s	
F26K	Sheenjek River	37.12	35	P	P	07 37 50.2 +1.4
HARP	HAARP	37.31	44	P	P	07 37 52.1 +1.7
G26K	Porcupine Rive	37.31	36	P	P	07 37 51.8 +1.5
SCRK	Sand Creek	37.58	41	P	P	07 37 53.1 +0.4
J26L	Josep Creek	37.69	40	P	P	07 37 53.8 +0.2
N25K	Chitina, Valde	37.71	45	P	P	07 37 55.3 +1.5
I26K	Coal Creek Min	37.75	39	P	P	07 37 54.0 +0.1
BMRM	Bremner River	37.84	46	P	P	07 37 56.0 +1.2
MENT	Menstata	37.87	43	P	P	07 37 56.5 +1.5
MENT	Menstata			I	I	07 37 57.1
MENT	Menstata			comp-Z,13nm,0.5s	comp-Z,13nm,0.5s	
E27K	Coleen River	38.04	34	P	P	07 37 57.1 +0.8
KAIM	Kayak Island	38.16	48	P	P	07 37 58.6 +1.3
G27K	Doyon Strip	38.16	37	P	P	07 37 58.2 +0.8
D27M	Porcupine River	38.18	33	P	P	07 37 58.3 +1.5
H27K	Steamboat Moun	38.29	37	P	P	07 38 00.1 +1.6
M26K	Nabana, AK	38.30	44	P	P	07 38 00.8 +2.2
I27K	Kandik River	38.34	39	P	P	07 38 00.1 +1.2
K27K	Chicken	38.40	41	P	P	07 38 00.5 +1.1
MCARA	McCarthy VSAT	38.50	45	P	P	07 38 01.8 +1.6

1686

CROM	Cirque	38.58	46	P	P	07 38 02.1 +1.
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KURK	Kurchatov	44.42 301d	P	P	07 38 47.1 -0.6
KURK	Kurchatov	44.42 301d	P	Pmax	07 38 47.1 -0.6
KURK	Kurchatov	44.42 301d	P	P	07 38 47.1 -0.6
KURBB	Kurchatov Arra	44.41 301	P	P	07 38 47.8 -0.7
KURBB	Kurchatov Arra	44.41 301	P	Pmax	07 38 47.8 -0.7
KURBB	Kurchatov Arra	44.41 301	P	P	07 38 47.8 -0.7
KURBB	Kurchatov Arra	44.41 301	P	Pmax	07 38 47.8 -0.7
R33M	Jennings River	44.80 45	P	P	07 38 53.1 +2.4
TGNT	Hyland Airport	45.19 42	P	P	07 38 55.7 +2.1
S34M	Telegraph Cree	45.32 47	P	P	07 38 57.1 +2.6
C4RG	Craig	45.35 51	P	P	07 38 56.5 +1.6
WTLY	Watson Lake, Y	45.52 44	P	P	07 38 57.8 +1.6
DLBC	Dease Lake	45.63 46	P	P	07 38 59.2 +2.1
DLBC	Dease Lake	45.63 46	P	Iamb	07 39 00.3
DLBC	Dease Lake	45.63 46	P	P	07 38 59.5 +2.4
T35M	Bob Quinn	46.15 48	P	P	07 39 03.2 +2.2
WRGLY	Wrigley	46.55 39	P	P	07 39 05.4 +1.5
WRGLY	Wrigley	46.55 39	P	P	07 39 05.6 +1.7
LIRD	Liard River Hi	47.05 44	P	P	07 39 10.1 +2.2
KOTAN	Kotanelee Air	47.65 43	P	P	07 39 13.6 +1.2
BVAO	Borovoye Array	47.86 307	eP	P	07 39 13.6 -0.5
BVAR	Borovoye Array	47.86 307	eP	P	07 39 13.8 -0.3
BVAR	Borovoye Array	47.86 307	eP	ScP	07 43 51.4 -0.6
BRVK	Borovoye	47.90 307	P	P	07 39 14.0 -0.4
BRVK	Borovoye	47.90 307	P	Iamb	07 39 14.9
BRVK	Borovoye	47.90 307d	iP	Pmax	07 39 14.0 -0.4
BRVK	Borovoye	47.90 307	iP	P	07 39 14.0 -0.4
SPITS	Spitsbergen Ar	50.10 349	e	P	07 39 29.3 -1.2
ULHL	Ulahol	50.16 292	P	P	07 39 31.9 +0.1
TKM2	Tokmak 2	50.17 293	P	P	07 39 31.7 -0.1
TKM2	Tokmak 2	50.17 293	P	P	07 39 31.3 -0.6
BOOM	Boomskeye usch	50.20 292	P	Iamb	07 39 31.6 -0.5
BOOM	Boomskeye usch	50.20 292	P	Iamb	07 39 33.1
BOOM	Boomskeye usch	50.20 292	P	P	07 39 31.6 -0.5
BOOM	Boomskeye usch	50.20 292	P	Pmax	07 39 31.6 -0.5
YKA	Yellowknife Ar	50.47 37	P	P	07 39 33.5 +0.1
YKA	Yellowknife Ar	50.47 37	P	P	07 40 45.8 +0.7
USP	Ospenovka	50.64 294	P	P	07 39 35.2 +0.1
KBK	Karagaybulak	50.72 293	P	P	07 39 35.9 0.0
SVE	Sverdlorsk	50.80 315	eP	Pmax	07 39 36.2 +0.2
SVE	Sverdlorsk	50.80 315	eP	Pmax	07 39 36.2 +0.2
SVE	Sverdlorsk	50.80 315	eP	P	07 39 36.2 +0.2
KZA	Khangai Ar	50.86 292	P	P	07 39 37.8 +0.6
CMAR	Chiang Mai Arr	50.92 252	P	P	07 39 38.1 +0.7
CMAR	Chiang Mai Arr	50.92 252	P	PcP	07 40 47.8 +0.3
CMAR	Chiang Mai Arr	50.92 252	P	ScP	07 44 05.9 +0.3
AAK	Ala-Archa	51.00 293	P	P	07 39 37.8 -0.1
AAK	Ala-Archa	51.00 293d	iP	Pmax	07 39 37.4 -0.5
AAK	Ala-Archa	51.00 293d	iP	Pmax	07 39 37.4 -0.5
AAK	Ala-Archa	51.00 293	iP	P	07 39 37.4 -0.5
EKS2	Ekin-Say	51.02 294	P	P	07 39 41.1 +0.1
AML	Almayashu	51.78 293	P	P	07 39 44.2 +0.3
KSH	Kashi	51.90 289	P	P	07 39 48.3 +3.8
KSH	Kashi	51.90 289	P	Pmax	07 39 48.3 +3.8
ARU	Arti	51.99 315	P	Iamb	07 39 44.3 -0.3
ARU	Arti	51.99 315d	iP	P	07 39 44.7
ARU	Arti	51.99 315d	iP	P	07 39 43.9 -0.8
ARU	Arti	51.99 315d	iP	P	07 41 02.9 -0.4
ARU	Arti	51.99 315d	iP	P	07 41 43.2
ARU	Arti	51.99 315d	iP	SKIKP	07 50 22.2 -1.9
ARU	Arti	51.99 315d	iP	Pmax	07 50 22.2 -1.9
ODAN	Odare	52.47 269	eP	P	07 39 47.7 -1.2
JIRN	Jiri	52.73 271	eP	P	07 39 51.0 +0.1
GUN	Gumba	52.76 271	eP	P	07 39 51.1 -0.1
KK31	Karatay Array	53.12 296	P	P	07 39 52.9 -0.3
KK31	Karatay Array	53.12 296	P	P	07 39 52.9 -0.3
KK31	Karatay Array	53.12 296	P	Pmax	07 39 52.9 -0.3
KKN	Kakani	53.24 272	eP	P	07 39 54.3 -0.2
PKI	Pulchoki	53.30 271	eP	P	07 39 55.1 +0.1
PKIN	Pulchoki	53.30 271	eP	P	07 39 55.1 +0.1
DMN	Daman	53.47 271	eP	P	07 39 55.9 -0.3
GKN	Gorkha	53.52 272	eP	P	07 39 56.6 +0.2
DANN	Dangsing	53.87 273	eP	P	07 39 59.4 +0.3
KOLN	Koldanda	54.36 273	eP	P	07 40 02.5 0.0
PRGR	Permogore	54.40 325	eP	P	07 40 00.8 -1.1
PRGR	Permogore	54.40 325	eP	Pmax	07 40 00.8 -1.1
PYUN	Piuthan	54.54 273	eP	P	07 40 03.6 -0.2
KIRV	Kirov	54.77 321d	eP	P	07 40 03.7 -0.9
ARA0	ARCESS Array S	55.10 339	eP	P	07 40 07.3 +0.4
ARCES	ARCESS Array S	55.10 339	eP	P	07 40 06.7 -0.2
ARCES	ARCESS Array S	55.10 339	eP	P	07 40 06.7 -0.2
AB31	Akbulak array	55.42 307	iP	P	07 40 08.7 -0.7
AB31	Akbulak array	55.42 307	iP	P	07 40 08.8 -0.6
GAR	Garm	55.71 292	P	P	07 40 11.2 -0.6
AKTO	Aktubinsk	55.71 309	P	P	07 40 10.0 -1.4
KT1K	Kautokeino	56.03 340	eP	P	07 40 13.0 -0.4
JETT	Jettan, Norway	56.23 341	eP	P	07 40 14.6 -0.2
EDM	Edmonton	56.34 46	P	P	07 40 15.7 -0.1
EDM	Edmonton	56.34 46	P	Iamb	07 40 17.7
EDM	Edmonton	56.34 46	P	P	07 40 15.7 -0.1
EDM	Edmonton	56.34 46	P	Pmax	07 40 15.7 -0.1
TRO	Tromso	56.48 342	eP	P	07 40 16.1 -0.3
HO4A	Holm Lake	57.03 58	P	Iamb	07 40 21.6 +0.8
HO4A	Holm Lake	57.03 58	P	Iamb	07 40 23.6
KLMR	Klimovskoe	57.15 327	eP	P	07 40 19.9 -1.3
KLMR	Klimovskoe	57.15 327	eP	AMP	07 40 26.9
KLMR	Klimovskoe	57.15 327	eP	P	07 42 31.1 -1.6
KLMR	Klimovskoe	57.15 327	eP	P	07 40 19.8 -1.4
KLMR	Klimovskoe	57.15 327	eP	P	07 42 31.1
NEW	Newport	57.55 52	P	P	07 40 25.8 +1.5

STEI	Steigen	58.65 342	eP	P	07 40 31.4 0.0
SUMF	Summit	58.68 3	iP	P	07 40 31.0 -1.0
LOFOT	Lofoten	58.83 342	eP	P	07 40 32.7 +0.1
FAUS	Fauske	59.10 341	eP	P	07 40 34.2 -0.2
BELG	Belgoyoye	59.51 316d	iP	P	07 40 36.9 -0.5
MSO	Missoula	60.12 52	P	P	07 40 43.0 +1.1
PLID	Pearl Lake	60.17 55	P	Iamb	07 40 43.3 +0.9
PLID	Pearl Lake	60.17 55	P	Iamb	07 40 44.6
KONS	Konsvik	60.31 342	eP	P	07 40 42.2 -0.4
FFC	Flin Flon	60.44 39	P	Iamb	07 40 44.3 +0.6
FFC	Flin Flon	60.44 39	P	Iamb	07 40 45.4
FFC	Flin Flon	60.44 39	P	Pmax	07 40 44.3 +0.6
FFC	Flin Flon	60.44 39	P	Pmax	07 40 44.3 +0.6
WVOR	Wild Horse Val	60.45 58	P	Iamb	07 40 45.1 +1.0
WVOR	Wild Horse Val	60.45 58	P	Iamb	07 40 46.9
WVOR	Wild Horse Val	60.45 58	P	P	07 40 45.1 +1.0
WVOR	Wild Horse Val	60.45 58	P	Pmax	07 40 45.1 +1.0
FCC	Fort Churchill	60.60 33	P	Iamb	07 40 44.2 -0.5
FCC	Fort Churchill	60.60 33	P	Iamb	07 40 45.2
FCC	Fort Churchill	60.60 33	P	P	07 40 44.2 -0.5
FCC	Fort Churchill	60.60 33	P	Pmax	07 40 44.2 -0.5
FINES	FINESS Array B	61.17 333	P	P	07 40 47.5 -1.0
FINES	FINESS Array B	61.17 333	P	P	07 43 07.8 -0.3
EGMT	Eagleton	61.45 49	P	P	07 40 51.2 +0.5
EGMT	Eagleton	61.45 49	P	P	07 40 52.0 +1.4
HLD	Hailey	62.03 55	P	P	07 40 56.2 +1.6
BOZ	Bozeman (W)	62.14 52	P	P	07 40 56.6 +1.3
BOZ	Bozeman (W)	62.14 52	P	Iamb	07 40 57.7
BOZ	Bozeman (W)	62.14 52	P	P	07 40 56.6 +1.3
BOZ	Bozeman (W)	62.14 52	P	Pmax	07 40 56.6 +1.3
BOZ	Bozeman (W)	62.14 52	P	P	07 40 56.7 +1.4
OBN	Obninsk	62.32 323	eP	P	07 40 56.0 -0.1
OBN	Obninsk	62.32 323	eP	P	07 42 18.6 +0.4
OBN	Obninsk	62.32 323	eP	P	07 43 14.7
OBN	Obninsk	62.32 323	eP	S	07 49 07.1 +1.6
OBN	Obninsk	62.32 323	eP	Pmax	07 40 56.0 -0.1
OBN	Obninsk	62.32 323	eP	P	07 40 59.1 -1.4
LPSR	Galich'ya Gora	63.19 320	eP	P	07 41 00.0 -1.8
LPSR	Galich'ya Gora	63.19 320	eP	Pmax	07 41 00.0 -1.8
NVAR	Mina Array Bea	63.29 61	P	P	07 41 04.8 +1.7
NVAR	Mina Array Bea	63.29 61	P	P	07 41 04.8 +1.7
MLAC	Mammoth, Mamme	63.52 62	P	P	07 41 06.2 +1.7
RLMT	Red Lodge	63.68 51	P	P	07 41 07.0 +1.6
GEYT	Alibek	63.69 298	P	P	07 41 04.7 -0.7
GEYT	Alibek	63.69 298	P	P	07 41 04.7 -0.7
DGMT	Dagmar	63.83 46	P	P	07 41 07.4 +1.3
VSR	Storozhevo	64.10 319	eP	P	07 41 06.0 -1.7
VSR	Storozhevo	64.10 319	eP	Pmax	07 41 06.0 -1.7
LAO	LASA Array	64.11 48	P	P	07 41 09.1 +1.1
TPH	Tonopah	64.16 61	P	P	07 41 09.6 +1.0
TPH	Tonopah	64.16 61	P	P	07 41 09.6 +1.0
TPH	Tonopah	64.16 61	P	Pmax	07 41 09.6 +1.0
TPH	Tonopah	64.16 61	P	Pmax	07 41 09.6 +1.0
TPH	Tonopah	64.16 61	P	P	07 41 12.2 +1.1
VES	Vestal, Richgr	64.59 64	P	P	07 41 13.7 +1.2
CWC	Cottonwood Cre	64.77 63	P	P	07 41 13.8 +1.0
PKM	Mpherson Peak	64.80 65	P	P	07 41 14.2 +1.6
GRAC	Grapevine Rang	64.81 62	P	P	07 41 14.2 +1.6
GRAC	Grapevine Rang	64.81 62	P	P	07 41 14.2 +1.6
R11B	Troy Canyon, C	64.91 60	P	P	07 41 14.9 +1.5
ISA	Isabella, Lake	65.07 64	P	P	07 41 14.9 +0.6
BW06	Boulder Array	65.17 53	P	P	07 41 16.1 +1.0
PDAR	Pinedale Array	65.17 53	P	P	07 41 16.1 +1.1
PDAR	Pinedale Array	65.17 53	P	P	07 41 16.1 +1.1
DUG	Dugway, Tooele	65.20 57	P	P	07 41 17.1 +1.9
ARVO	Arvin	65.23 64	P	P	07 41 16.4 +1.2
WCT	Wildcat Mounta	65.38 62	P	P	07 41 17.1 +0.9
MPMC	Manual Prospec	65.38 63	P	P	07 41 17.8 +1.4
FURC	Furce Creek	65.47 62	P	P	07 41 18.6 +1.9
NB2	NORSAR Subarra	65.48 339	P	P	07 41 16.3 -0.1
NOA	NORSAR Array B	65.48 339	P	P	07 41 15.8 -0.6
TPNV	Topopah				

24d 9h

0.4mm, 0.5s

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ZALV Zalesovo Beam.

IDC 24 09:10:08.9-0.7, 31.42N-139.72E, h0km, mb3.9/8, mbtmp3.9/12, ML3.6/4, MS3.5/18, Error ellipse: s-maj=22.1km s-min=18.1km az=88.0

JMA 24 09:10:09.8-0.2, 31.7N-118.10x az=88.0, h20km, MV3.6/39, NEAR TORISHIMA IS

NIED 24 09:10:09.8, 31.68N-139.60E, h20km, MW4.5, Moment Tensor Solution...

ISC 24 09:10:10.7-0.7, 31.73N-105.139.53E, h0km, m49, z=207/40, mb3.8, MS3.5/14, Southeast of Honshu

Main table of station data for the 24d 9h period, listing various stations and their parameters.

2017 NOV

IDC 24 09:20:53.8-2.8, 54.24N-87.00E, h0km, mbtmp3.1/2, ML2.7/2, Error ellipse: s-maj=23.1km s-min=16.5km az=61.0, Southwestern Siberia

Table of station data for IDC 24 09:20:53.8-2.8, including stations like ZALESOV INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra.

IDC 24 09:26:08.4-2.2, 54.24N-85.95E, h0km, mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=17.1km s-min=10.7km az=52.0, Southwestern Siberia

Table of station data for IDC 24 09:26:08.4-2.2, including stations like ZALESOV INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra.

ISK 24 09:29:55.9, 38.97N-22.79E, h8km, ML3.0/14, ATH 24 09:29:57.1, 38.93N-22.76E, h1km, 2km, ML3.5/13, Error ellipse: s-maj=2.1km s-min=0.9km az=263.0

THE 24 09:29:57.4, 38.91N-22.71E, h1km, 2km, ML3.5/10, Error ellipse: s-maj=1.5km s-min=0.5km az=316.0

ISC 24 09:29:57.2-0.8, 38.93N-22.75E, h0km, m6km, n72, z=979/90, 10C-SD, Greece

Main table of station data for the 2017 NOV period, listing various stations and their parameters.

1690

Table of station data for the 1690 period, listing various stations and their parameters.

IDC 24 09:32:30.5-10.0, 17.33N-98.84W, h0km, mb3.6/2, mbtmp3.3/4, ML3.2/2, Error ellipse: s-maj=209.5km s-min=130.2km az=101.0

MEX 24 09:32:49.3-0.6, 17.96N-100.40W, h49km, 6km, MD4.4

ISC 24 09:32:45.9-1.2, 18.01N-102.100.34W, h0.02, h25km, 12km, n68, z=76/129, Guerrero

Main table of station data for the 1690 period, listing various stations and their parameters.

1691

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like JALCOMULCO, PUERTO ESCONDI, LIANO GRANDE, etc.

IDC 24 09:38:47.5r.4, 20.64S:177.29E, h0km, mb3.5/3, mbtmp3.5/3, Error ellipse: s-maj=370.3km s-min=40.3km az=147.0, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ALICE SPRINGS, WARRAMUNGA ARR, EIELSON ARRAY.

TAP 24 09:41:22.2, 23.58N:120.68E, h12km, ML2.1, B, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like TSAILIANG, NANTOU CITY, TA-PU, etc.

2017 NOV

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like YIJU, LIDAU, JIASHIAN, etc.

TAP 24 09:41:31.5, 23.58N:120.68E, h12km, ML2.3, B, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like TSAILIANG, ALSHAN, GUKENG, etc.

24d 9h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like NANTOU CITY, WTP, TWK, etc.

WEL 24 09:48:01.2r.0.5, 34.5S:4.17W, h148km, gkm, M5.2/58, mB5.7/54, ML5.8/55, MLV5.8/58, Mw(mB)5.2/54, Error ellipse: s-maj=0.0km s-min=0.0km az=111.3, confirmed

IDC 24 09:48:02.6r.1.7, 33.59S:179.74W, h64km, 15km, mb4.0/6, mbtmp4.3/6, MS3.1/4, Error ellipse: s-maj=21.6km s-min=11.0km az=111.0

NOU 24 09:48:15.3, 34.67S:179.77E, h204km, mb4.4/15, South of Kermadec Islands

ISC 24 09:47:59.7r.0.7, 33.92S:0.06E:178.93W:0.09, h50km, n132, r252/143, mb4.6/9, MS3.1/3, SC, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MATAKAOA POINT, WAIMATATINI S, PAKIHIROA, etc.

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like TUWZ, THZ, NNZ, TCW, etc.

HEL 24 10:52:37.70.2, 67.61N:20.87E, h0km, ML1.6, Suspected explosion

UPP 24 10:52:38.10.0, 67.63N:21.00E, h11km, 8km, ML2.5, Suspected explosion

ISC 24 10:52:37.70.8, 67.63N:02.20.99E:0.03, h0km, m28, 0594/41, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like KUA, MASU, DUNU, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like TOF, TOF, Sodankyl, etc.

AFAD 24 11:34:58.0.0.38, 41N:45.21E, h2km, 2km, ML2.3

TEH 24 11:35:00.0.38, 39N:45.01E, h9km, ML2.6

ISC 24 11:35:00.71.1, 38.44N:04.45.09E:0.03, h13km, 11km, n14, 0139/21, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like ISHB, ISHB, IMRD, etc.

IDC 24 12:00:42.4.0.8, 36.09N:27.14E, h0km, mb4.1/12, mbtmp4.017, ML4.0/5, MS2.8/1, Error ellipse: s-maj=19.4km s-min=13.0km az=160.0

MOS 24 12:00:42.5.1.1, 35.99N:27.12E, h15km, mb4.3/9, Error ellipse: s-maj=9.8km s-min=7.9km az=68.3

AFAD 24 12:00:43.9.0.0, 35.97N:27.17E, h28km, 1km, MW4.0

ISC 24 12:00:44.2.36.02N:27.21E, h12km, ML3.8/24

NEIC 24 12:00:44.6.1.1, 36.04N:0.03:27.19E:0.04, h14km, 6km, mb4.1/10, Error ellipse: s-maj=6.2km s-min=3.1km az=133.0

THE 24 12:00:45.0.36:01N:27.24E, h3km, 1km, ML3.8/11, Error ellipse: s-maj=1.1km s-min=0.3km az=99.0

GII 24 12:00:49.3.0.0, 35.55N:27.57E, h3km, Mm3.7/4

ISC 24 12:00:45.4.1.0, 35.98N:02:27.6E:0.02, h23km, 8km, n196, 01948/255, mb4.1/17, 5C-6D, Decadence Islands

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

Table with columns: Station, Name, Az, El, P, Pn, Time, Res. Includes stations like ATH, BUHA, VLI, BKES, BAYC, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MKK31, MKK31, MKK31, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WB2, WR0, JAY, etc.

NOU 24 12:18:51.3, 33:44S; 178:65E, h100km, MLV4.2/5, South of Kermadec Islands

WEL 24 12:19:27.6:0.8,36°S,6°17'7E, h12km, M2,8/22, ML3.0/24, MLv2.8/22, Error ellipse: s-maj=0.0km s-min=0.0km az=33.1, confirmed

ISC 24 12:19:24.4:1.6,36.20S,008:177.51E,0.06,h10km,m57, r158/64, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

CRAAG 24 12:31:59.8,36°33N,3°44E, M3.0, Algeria 05km SW Mihoub

MDD 24 12:32:02.4:1.3,36°37N,3°41E, h0km, Mb4.0/7, M_mb3.3/7, Error ellipse: s-maj=11.7km s-min=6.3km az=145.0

ISC 24 12:32:01.1:1.3,36.36N,0°03:3.45E,0°03,h11km,10km, n26, r092/30, 6C, Northern Algeria

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations for Northern Algeria.

NEIC 24 12:36:57.1:1.4,47°88N,0°03:127.77W,0.06, h10km,2km, ML3.0/26, Mw3.2(OTT), Error ellipse: s-maj=8.2km s-min=3.4km az=238.0

OTT 24 12:36:58.6:2.1,47°84N,0°07:127.75W,0.07, h10km,2km, Error ellipse: s-maj=11.4km s-min=6.9km az=197.0

PGC 24 12:36:59.0:1.1,47°84N,127°75W, h10km, ML2.6/23, Mw3.2/23, 198km southwest of Tofino, Bc Off Coast Of Washington

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations for Washington.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations for the Pacific Northwest region.

ISC 24 12:57:17.5:1.0,38°41N,71°86E, h0km, mb3.8/11, mbtmp3.8/18, ML3.3/7, MS2.8/3, Error ellipse: s-maj=18.4km s-min=14.2km az=132.0

NNC 24 12:57:29.1:2.1,39°25N,71°72E, h0km, mb4.2, mpv3.9, Error ellipse: s-maj=17.9km s-min=11.4km az=111.1

ISC 24 12:57:19.6:0.9,38.43N,108°71'59E,0.06, h10km, n49, r252/52, mb3.7/10, 10C-6D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations for Afghanistan-Tajikistan border region.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations for the Pacific Northwest region.

ISC 24 13:09:23.6:1.6,21°45S,0°04:66.81W,0.04, h229km,12km, n42, r136/66, Southern Bolivia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations for Southern Bolivia.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various data points for stations like DUG, DGMS, REDW, etc.

IDC 24 13:38:58.2-5.9, 20.83Sx178.64W, h609km, 69km, mb3, 1/7, mbmp4.07, Error ellipse: s-maj=35.9km s-min=29.7km az=21.0

ISC 24 13:38:57.4-0.9, 20.83S, 0.2-178.6W, 0.2, h600km, n11, s1811/11, mb3.67, Fiji Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various data points for stations like CTA, ASAR, QSPA, etc.

NEIC 24 13:41:32.3-1.2, 36.5S, 0.1x102.5W, 0.2, h10km, 2km, mb4.8/45, Error ellipse: s-maj=30.0km s-min=21.5km az=293.0

IDC 24 13:41:48.8-0.8, 36.30S, 99.91W, h0km, mb4.0/9, mbmp4.09, MS3.8/19, Error ellipse: s-maj=27.3km s-min=20.1km az=72.0

ISC 24 13:41:50.1-0.8, 36.25S, 0.1x99.8W, 0.1, h10km, n88, s1521/51, mb4.6/26, MS3.8/18, Southeast of Easter Island

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various data points for stations like RPN, H03S2, H03S1, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various data points for stations like BO01, BO02, BO04, etc.

IDC 24 14:02:07.0-2.5, 36.44N, 3.24E, h10km, M13.2/3, Error ellipse: s-maj=999.9km s-min=999.9km az=69.0

CRAAG 24 14:02:08.0-3.6, 36.45N, 3.24E, M13.1, Algeria, Okm SW Deux-Bassins

MDD 24 14:02:11.2-0.5, 36.51N, 3.30E, h10km, 5km, Mb4.3/41, M, mb3.6/42, Error ellipse: s-maj=6.1km s-min=2.4km az=142.0

ISC 24 14:02:09.3-0.9, 36.55N, 0.05S, 3.29E, 0.03, h18km, n52, s201176, 27C, Northern Algeria

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various data points for stations like ADOR, ABA, ACHR, etc.

LDG 24 14:02:07.0-2.5, 36.44N, 3.24E, h10km, M13.2/3, Error ellipse: s-maj=999.9km s-min=999.9km az=69.0

CRAAG 24 14:02:08.0-3.6, 36.45N, 3.24E, M13.1, Algeria, Okm SW Deux-Bassins

MDD 24 14:02:11.2-0.5, 36.51N, 3.30E, h10km, 5km, Mb4.3/41, M, mb3.6/42, Error ellipse: s-maj=6.1km s-min=2.4km az=142.0

ISC 24 14:02:09.3-0.9, 36.55N, 0.05S, 3.29E, 0.03, h18km, n52, s201176, 27C, Northern Algeria

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various data points for stations like SET, EIBI, EIBI, etc.

GCMT 24 14:04:56.6-0.2, 8.83S, 0.02-74.46W, 0.02, h144km, 2km, MW5.0/116, Moment Tensor Solution, s32, c35, s116, c151, Duration: 0 Moment tensor: Scale 10^16Nm; Mn=0.25; 13; Mb=0.18; 14; Mw=0.068; 17; Mw=2.72; 08; Mw=0.90; 17; Mw=4.01; 11; Best double couple; Mw=68900x1016 Np1=151.00000; 887.00000; 1.96.00000; NP2=269.00000; 87.00000; 1.27.00000; Principal axes: T 4.3630, P148.0000, Azm68.0000; N 0.6120, P166.0000, Azm331.0000; P -4.9750, P141.0000, Azm235.0000; nst1 refers to body waves, cutoff=40s, nst2 refers to surface waves, cutoff=50s.

IDC 24 14:04:57.1-0.4, 8.80S, 74.38W, h144km, 3km, mb4.1/18, mbmp4.5/23, MS3.6/14, Error ellipse: s-maj=13.4km s-min=9.1km az=62.0

NEIC 24 14:04:58.6-1.5, 8.83S, 0.07-74.51W, 0.08, h153km, 7km, mb4.7/16, Error ellipse: s-maj=11.8km s-min=9.9km az=119.0

VAO 24 14:05:00.5-0.5, 8.87S, 74.13W, h156km, 4km, mb4.6, ISC 24 14:04:56.7-0.2, 8.85S, 0.04-74.42W, 0.05, h142km, 3km, h142km, pp-P, n482, c0885/487, mb4.6/68, 4C-5D, Peru-Brazil border region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various data points for stations like GDSB, CRUZ, CRUZ, etc.

24d 14h

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like ATAH, TBGT, BOSC, etc.

2017 NOV

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like PLCA, PASO, VASO, etc.

2017 NOV

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like PLCA, PASO, VASO, etc.

2017 NOV

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like T25A, T25A, T25A, etc.

1698

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like T25A, T25A, T25A, etc.

Table with columns: SPUT, IAMB, IAMB, 14 14 55.8, etc. Lists various stations and their coordinates.

Table with columns: I30M, MESA, YUK3, etc. Lists various stations and their coordinates.

Table with columns: F24K, D25K, H23K, etc. Lists various stations and their coordinates.

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Lists station codes and names.

24d 14h

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

2017 NOV

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

1700

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

Table with columns: DIVS, Divibare, 4.20 308 ePn, Pn, 17 27 55.0 -0.1, 17 28 46.0 +1.3, 17 27 57.2 +1.8, 17 27 56.8 +0.7, 17 27 58.7 +1.1, 17 27 59.0 +1.3, 17 27 58.7 +1.0, 17 28 00.2 +1.2, 17 28 00.7 +1.3, 17 28 00.9 +1.4, 17 27 59.0 -0.8, 17 28 00.9 +0.9, 17 27 59.7 -0.7, 17 28 01.5 -0.8, 17 28 04.5 +2.0, 17 28 07.0 +2.0, 17 28 07.8 +0.2, 17 28 08.0 +0.4, 17 28 08.3 -0.2, 17 28 21.4 +1.3, 17 28 22.4 -1.4

IDC 24 17:36:11.2.0.8.43:24N:126:22W,h0km,mb3.9/12, mbmp4.1/21,ML3.8/9,MS3.8/51, Error ellipse: s-maj=17.7km s-min=8.3km az=46.0

NEIC 24 17:36:11.6.43:09N:126:37W,h12km,Moment Tensor Solution. Duration: 151 Moment tensor: Scale 10^16Nm; Mv=0.22; Mw=0.81; Mw0.103; Mw0.35; Mw0.58; Mw0.31; Fault plane solution: Mo1.20000x10^16 Np1: o26.49000, d79.19000, l-23.50000. NP2: o21.15000, d66.9000, l-168.24000. Principal axes: T 1.2247, P1g8.0000, Azm76.0000; N -0.0585, P1g64.0000; Azm183.0000; P -1.1692, P1g24.0000; Azm342.0000;

NEIC 24 17:36:11.6.43:09N:126:37W,h12km, Moment Tensor Solution. Duration: 151 Moment tensor: Scale 10^16Nm; Mv=0.22; Mw=0.81; Mw0.103; Mw0.35; Mw0.58; Mw0.31; Fault plane solution: Mo1.20000x10^16 Np1: o26.49000, d79.19000, l-23.50000. NP2: o21.15000, d66.9000, l-168.24000. Principal axes: T 1.2247, P1g8.0000, Azm76.0000; N -0.0585, P1g64.0000; Azm183.0000; P -1.1692, P1g24.0000; Azm342.0000;

NEIC 24 17:36:13.2.0.4.43:01N:103:126:61W,0.03,h14km,2km, MW4.8/70, Moment Tensor Solution. s13,c14; s70,c92; Duration: 0 Moment tensor: Scale 10^16Nm; Mw0.35; Mw0.8; Mw0.1.82; 10; Mw0.1.47; 07; Mw0.4.44; 21; Mw0.0.81; 08; Mw0.3.2; 19; Best double couple: Mo1.90100x10^16 Np1: o32.00000, d89.00000, l-15.00000. NP2: o122.00000, d75.00000, l-179.00000. Principal axes: T 1.6940, P1g10.0000; Azm78.0000; N 0.4172, P1g75.0000; Azm207.0000; P -2.1080, P1g11.0000; Azm346.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 24 17:36:10.8.0.6.43:08N:107:126:42W,0.07,h10km, n494, o174/390,mb4.6/71,MS3.9/45,Off coast of Oregon

Main table for station 1705, listing station names, coordinates, phases, and times. Includes stations like Edson Butte, Myrtle Point, Bosley Butte, Willamette Mer, Camp Six Broad, Cave Junction, Drain, OR, Dodson Butte, Red Mountain, Rodgers, Corvallis, Buck Mountain, Mount Hebo, Horse Mountain, Tendick Farm, Lebanon, Yreka Blue Hor, Klamath Falls, Klamath Falls, Mount Pierce, Detroit Lake, Cahto Peak, Amboy, Pine Mountain, Summer Lake.

Main table for station 2017 NOV, listing station names, coordinates, phases, and times. Includes stations like Mount Hood Mea, Wishkah, Neilton Lookou, Carlsson Farm, Hoiland Field, Quillayute Air, Geysers, Oroville, Izee, Green Mountain, Enunclaw, Port Angeles, Phinny Hill, Conter, Planet X, Gerf, Wild Horse Val, Forest Hills D, Liberty, Cowichan Lake, Hartley Peak, Dider Farm, El, Pah Rah Range, Emerald Bay, Marblemount, Pine Nut, Yreka, Columbia Colle, Wood Farm, Sta, Walker, Battle Mount, San Andreas Ge, Ryan, Kaiserville, Big Mountain B, Mina Array Bea, Mina Array Bea, Devils Postpil, Old Mammoth Mi, Monarch Peak, Newporth, Cottonwood Cr, Troy Canyon, C, Willow Creek R, Meckerson Peak, Spring Creek 3, Chamberlain Rd, Laurel Mtn Rd, Greenwater Val, Big Grassy Moun, Queen of Sheba, Calif City Air, Elliston, Edwards Air Fo, South Promonto, Dugway, Tooele, Dugway, Tooele, Goldstone, Bar, Sheep Range, Bozeman, Hohenberg, Turley Moun, Mount Baldy Ra, North Lily Min, Fox Creek, AHID Auburn Hatcher, Indian Meadow, Old Faithful, Holmes Hill, Hecto Ludlow, Cedar City, Flagg Ranch, Norris Junctio, Grant Village, Granite Mounta, Belle Mtn, Jos, Pinyon Flats O, Pinyon Flats O, Pinyon Flats O, Cedar Bluff.

Main table for station 24d 17h, listing station names, coordinates, phases, and times. Includes stations like Pinon Flats, Palm Desert, Boulder Array, Pinedale Array, Pinedale Array, Red Lodge, Iron Mountain, Eagleton, Eagleton, Big Chuckawall, Red Mountain, Monument Peak, Parker Dam,Lak, Yuhua Desert, ESJX, Wupatki, Mohawk Valley, Lo Mia Camp, Casper, Mesa Verde, Telegraph Cree, Petrified Fore, Petrified Fore, Petrified Fore, Red Feather La, Red Feather La, Snowflake, Organ Pipe Nat, Dease Lake, Dease Lake, Dease Lake, 4UR Ranch, Cre, Idaho Springs, Black Hills, Nakina River, Tucsion, Tucsion, Dagmar, Jennings River, Briggsdale, Great Sand Dun, Great Sand Dun, Atlin, Atlin, Kotaneelee Air, Skagway, Albuquerque, Albuquerque, Albuquerque, Albuquerque, Teslin, Yukon, Windy Craggy, Cookes Peak, D, Million Dollar, Hyland Airport, Huff, Mount Kennedy, Haines Juncio, Pinnacle, Brauburn, Yuko, Outpost Mouna, Rita Blanca, Maddock, Alishik Lake, Mount Upton, Faro, Yuko, Talbot Arm, Drury Creek, Y, Drury Creek, Y, Flin Flon, Steele Glacier, Chitna Glacier, Cornudas Mount, Barnard Glacie, Wrigley, Wrigley, Cirque, Minto, Yukon, Moose Creek, Muleshoe, Muleshoe, Cedar Bluff.

24d 17h

Table with columns for station ID, name, elevation, and coordinates. Includes stations like Cedar Bluff, Yellowknife Ar, Somme Creek, etc.

2017 NOV

Table with columns for station ID, name, elevation, and coordinates. Includes stations like Chignik, Harding Lake, Mckinley, etc.

1706

Table with columns for station ID, name, elevation, and coordinates. Includes stations like Kwethluk River, Christian River, Mountain Grove, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like MCRA Macar, TIAR Tiarei, KLR Kuldur, etc.

NEIC 24 17:46:53.5-2.6, 37.70N, 0.02-97.05W, 0.02, h5km, 1km, mb_Lg2.3/9, ML2.7/26, Error ellipse: s-maj=3.1km s-min=2.8km az=20.0, Kansas

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like KS21 Milan North St, KS21 Milan North St, KS21 Milan North St, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like CROK Carrier, KSU1 Kansas State U, R32A Long Quarter, etc.

GUC 24 17:57:29.7-0.8, 18.275S, 70.77W, h44km, 3km, ML3.7, IDC 24 17:57:34.2-3.4, 18.465S, 70.43W, h98km, 28km, mb3.7/2, mbmt3.9/5, MS2.1/1, Error ellipse: s-maj=50.1km s-min=17.9km az=98.0

ISC 24 17:57:28.1-1.7, 18.315S, 0.05x70.9W, 0.1, h47km, 16km, n33, r198/24, 1C-4D, NLR near coast of northern Chile

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like AP01 Chacalluta, AP01 IPOC Station P, AP01 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like HCB KHMR, KHMR Kahramanmara, KHMR Kahramanmara, etc.

24d 18h

IDC 24 17:59:59.5:1.0, 37.29N:135.19E, h386km, 12km, mb2.9/9, mbmp3.7/14, Error ellipse: s-maj=19.0km s-min=12.7km az=64.0

JMA 24 17:59:59.7:0.4, 37.1N:135.5E, h381km, 3km, MV3.3/22, SEA OF JAPAN

ISC 24 17:59:59.6:0.7, 37.16N:135.27E:0.06, h400km, n30, e1933/36, mb3.1/9, Sea of Japan

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

HEL 24 18:02:59.6:0.2, 67.09N:20.94E, h0km, ML2.2, Explosion
DNK 24 18:02:59.4:0.3, 67.08N:20.95E, h0km, ML2.8(UPP), Explosion
UPP 24 18:02:59.0:0.1, 67.07N:20.93E, h0km, ML2.8, Suspected explosion
IDC 24 18:03:00.2:0.8, 67.07N:21.27E, h0km, mbmp3.5/5, ML2.3/4, Error ellipse: s-maj=14.1km s-min=7.1km az=110.0

ISC 24 18:02:58.8:0.7, 67.10N:20.96E:0.02, h0km, n59, e578/82, Sweden

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

2017 NOV

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

IDC 24 18:05:15.2:2.0, 52.21N:178.20E, h122km, 16km, mb3.2/9, mbmp3.8/12, MS3.2/2, Error ellipse: s-maj=47.9km

AEIC 24 18:05:15.7:1.8, 51.9N:0.1:1.78E:0.1, h146km, 5km, Error ellipse: s-maj=19.2km s-min=9.6km az=162.0

NEIC 24 18:05:17.0:1.9, 52.3N:0.1:1.78E:0.1, h122km, 9km, mb4.1/99, ML3.3(AEIC), Error ellipse: s-maj=20.0km s-min=9.3km az=183.0

ISC 24 18:05:16.0:0.8, 52.20N:0.1:1.78E:0.05, h139km, 7km, n150, e090/151, mb4.1/39, Rat Islands

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

1708

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes entries for BVAR, TXAR, and KNRA.

IDC 24 18:27:26.61, 1.3, 16.48N, 95.01W, h0km, mb3.8/6, mbmp3.8/7, ML3.3/1, MS3.4/15, Error ellipse: s-maj=27.1km s-min=11.3km az=100.0

NEIC 24 18:27:28.32, 3.2, 16.44N, 0.07, 95.19W, 0.03, h10km, 1km, mb4.2/60, Md4.6/50(MEX), Error ellipse: s-maj=11.2km s-min=5.6km az=177.0

MEX 24 18:27:30.51, 1.6, 16.49N, 95.19W, h30km, 11km, MD4.6

ISC 24 18:27:30.21, 2.1, 16.49N, 0.03, 95.17W, 0.02, h10km, 9km, n135, r162/157, mb4.2/16, MS3.4/13, Oaxaca

Main table for station 1709, listing various stations like NILT, CMIG, HUIG, etc., with their respective parameters.

Main table for station 2017 NOV, listing various stations like MNHN, FW06, ABTX, etc., with their respective parameters.

Main table for station 24d 18h, listing various stations like GLKZ, DGTI, NIUE, etc., with their respective parameters.

KRND		AML	AML	18 52 43.9	SANT Santorini	3.26 98	↑ Pn	18 52 31.5 +1.3	RAZG Razgrad	7.72 28	↓ Pn	18 53 28.2 -3.1
VLS	comp=E,17055µm,1.0s	P	Pb	18 52 06.8 -0.3	SANT Santorini	3.26 98	Pn	18 52 31.6 +1.5	INTR Introdacqua	7.77 314	Pn	18 53 39.1 +1.8
VLS	Valsamata	1.47 332	S	18 52 26.2 +0.8	SANT Santorini	3.26 98	Pn	18 52 31.4 +1.3	COPA Copaceanca	7.80 20	↑ Pn	18 53 29.0 -3.4
VLS	comp=E,7µm,0.9s	S	Sb	18 52 07.2 +0.1	SANT Santorini	3.26 98	Pn	18 52 31.7 +1.5	TEKS Tekeris	7.80 350	ePn	18 53 31.7 -0.8
VLS	Valsamata	1.47 332	S	18 52 25.7 +0.3	APT Apeliranthos	3.27 85	↑ Pn	18 52 30.9 +0.5	TEKS Tekeris	7.80 350	ePn	18 53 31.7 -0.8
VLS	comp=N,11640µm,0.4s	S	AML	18 52 44.6	APT Apeliranthos	3.27 85	Pn	18 52 31.1 +0.8	DJES Djerdap	7.83 6	↑ Pn	18 53 30.7 -1.1
VLS	comp=N,14474µm,0.8s	AML	AML	18 52 45.3	PENT Pentapolis	3.33 356	P	18 52 34.5 +3.4	MDVR Moldovita	7.90 1	↓ Pn	18 53 32.1 -1.8
ALIK	Aiki, Aigiali	1.48 21	P	18 52 08.7 +1.5	NEST Nestorio	3.55 35	P	18 52 37.7 +3.5	MGRS Mrkonjic Grad	8.23 338	ePn	18 53 38.4 0.0
THAL	Thalero	1.51 39	P	18 52 08.4 +0.7	KBN Korca	3.78 352	Pn	18 52 36.5 +2.3	AQU L'Aquila	8.28 334	Pn	18 53 41.1 +2.1
THAL	Thalero	1.51 39	P	18 52 39.4	VLO Vlora	3.90 337	Pn	18 52 39.8 +2.5	AGG Sanja Luka	8.26 314	Pn	18 53 43.1 +1.0
THAL	comp=E,67141µm,0.5s	AML	AML	18 52 45.3	VLO Vlora	3.90 337	Pn	18 52 41.0 +2.1	FRUS Fruska Gora	8.37 352	ePn	18 53 38.5 -1.8
EPID	comp=N,55086µm,0.7s	1.52 60	P	18 52 08.1 +0.1	VLO Vlora	3.90 337	Pn	18 52 40.9 +1.9	CAMP Campotosto	8.39 315	Pn	18 53 42.8 +2.1
EPID	Epidavros	1.52 60	P	18 52 08.9 +0.3	FNA Florina	3.91 359	Pn	18 52 41.1 +2.1	MDUB Mudurnu	8.43 62	Pn	18 53 42.4 +1.2
LXRA	Lixouri, Kepha	1.55 329	P	18 52 10.2 +1.8	FNA Florina	3.91 359	ePn	18 52 40.8 +1.8	A050A Klekavaca	8.47 335	ePn	18 53 41.5 -0.2
TRIZ	Trizonia	1.57 18	P	18 52 09.1 +0.4	FNA Florina	3.91 359	ePn	18 52 40.4 +1.3	GLZ Gura Zlata	8.51 339	ePn	18 53 40.3 -2.6
TRIZ	Trizonia	1.57 18	P	18 52 09.9 +1.1	FNA Florina	3.91 359	ePn	18 52 40.8 +1.3	GZR Gura Zlata	8.57 6	P	18 53 40.4 -2.6
TRIF	Kipouria, Keph	1.59 327	P	18 52 08.4 +0.7	HRT Hortiatitis	3.94 19	Pn	18 52 40.8 +1.3	ICOR Ion Corvin	8.70 32	↑ Pn	18 53 42.1 -2.7
KEF3	Kipouria, Keph	1.59 327	P	18 52 10.2 +1.8	CHOS Chios Island	3.95 66	Pn	18 52 40.7 +1.0	BZS Buzias	8.74 1	↑ Pn	18 53 43.0 -2.3
KEF3	Kipouria, Keph	1.59 327	P	18 52 09.9 +1.1	SCIE Santa Cesarea	3.96 325	Pn	18 52 40.0 +2.2	BZS Buzias	8.74 1	↑ Pn	18 53 42.9 -2.3
KEF4	Livadi, Kephali	1.60 330	P	18 52 09.0 -0.4	OUR Ouranopolis	3.98 41	Pn	18 52 41.5 +1.5	LOT Lotru	8.74 11	↑ Pn	18 53 47.3 +1.8
KEF4	Livadi, Kephali	1.60 330	P	18 52 09.7 +0.4	GRG Griva	4.14 10	P	18 52 43.8 +1.5	NRCA Norcia	8.75 315	Pn	18 53 47.3 +1.8
DMLN	Damoullanata-K	1.61 328	P	18 52 08.8 -0.7	GRG Griva	4.14 10	P	18 52 43.8 +1.5	GUMCA Gualdo di Mace	8.77 317	Pn	18 53 47.2 +1.4
DMLN	Damoullanata-K	1.61 328	P	18 52 08.3 +0.2	SIGR SIGRI	4.19 55	P	18 52 43.5 +0.7	ARR Arges	8.82 15	↑ Pn	18 53 43.3 -3.2
LTK	Loutraki	1.66 46	P	18 52 10.1 -0.3	LJA Limnos Island	4.21 43	P	18 52 44.2 +1.1	SURR Surduc	8.89 3	↓ Pn	18 53 45.6 -1.8
LTK	Loutraki	1.66 46	P	18 52 40.8	SOH Sokhos	4.21 20	P	18 52 45.8 +2.4	CEXS Cesca	9.01 313	Pn	18 53 47.3 -3.6
LTK	comp=E,14310µm,0.8s	AML	AML	18 52 55.8	ZKR Zakynthos	4.25 113	2	18 52 47.1 +1.8	TLBR Talbani	9.22 30	↑ Pn	18 53 48.3 -3.7
LTK	comp=N,12416µm,0.8s	AML	AML	18 52 55.8	TIP Timpagearou	4.36 303	↑ Pn	18 52 47.1 +1.8	HARR Harsova	9.22 30	↑ Pn	18 53 48.2 -3.7
YDRA	Hydra	1.68 73	P	18 52 10.4 -0.2	TIP Timpagearou	4.36 303	Pn	18 52 45.8 +0.5	HARR Harsova	9.22 30	↑ Pn	18 53 48.7 -3.7
VSK1	VASILIKIADES	1.69 336	P	18 52 11.0 +0.2	KOKK Kokkinochori	4.41 26	P	18 52 47.1 +1.2	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
FSK	Fiskardo	1.73 336	P	18 52 10.9 -0.7	KNT Kendrikos	4.43 14	P	18 52 48.2 +2.0	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
FSK	Fiskardo	1.73 336	P	18 52 11.4 -0.2	KNT Kendrikos	4.43 14	P	18 52 48.1 +1.2	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
FSK	Paravola	1.74 2	P	18 52 12.9 +1.2	THAS Thassos Island	4.52 33	P	18 52 49.5 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
PVO	Paravola	1.74 2	P	18 52 13.2 +1.1	SRS Serrai	4.55 21	P	18 52 49.5 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ANX	Ano Chora	1.76 12	P	18 52 13.1 +1.1	SRS Serrai	4.55 21	P	18 52 49.5 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ANX	Ano Chora	1.76 12	P	18 52 34.2 +0.6	SRS Serrai	4.55 21	P	18 52 49.5 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ANX	Ano Chora	1.76 12	P	18 52 49.5	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ANX	comp=N,29332µm,0.7s	AML	AML	18 52 53.5	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ANX	comp=N,29332µm,0.7s	AML	AML	18 52 53.5	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ANKY	Antikythira Is	1.80 123	P	18 52 12.8 +0.1	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ANKY	Antikythira Is	1.80 123	P	18 52 12.4 -0.2	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ANKY	Antikythira Is	1.80 123	P	18 52 53.3	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ANKY	Antikythira Is	1.80 123	P	18 52 53.2	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ANKY	Antikythira Is	1.80 123	P	18 52 53.2	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
EVGI	Lefkada island	1.85 340	P	18 52 13.6 0.0	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
EVGI	Lefkada island	1.85 340	P	18 52 14.6 +0.9	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
NYDR	Nydri-Lefkada	1.93 342	P	18 52 14.4 -0.5	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
NYDR	Nydri-Lefkada	1.93 342	P	18 52 15.1 +0.6	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
DRAG	Dragano-Lefkad	1.94 339	P	18 52 15.5 +0.5	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
DRAG	Dragano-Lefkad	1.94 339	P	18 52 16.1 +1.2	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
VILL	Villia	1.96 48	P	18 52 13.7 +1.3	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
WL2	Lefkada island	2.01 342	P	18 52 16.2 -0.2	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
LK02	Lefkada island	2.01 342	P	18 52 15.9 -0.4	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
LK02	Lefkada island	2.01 342	P	18 52 51.1	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
LK02	Lefkada island	2.01 342	P	18 53 10.2	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
TSLK	Tsoukalades, L	2.05 342	P	18 52 16.7 -0.2	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
TSLK	Tsoukalades, L	2.05 342	P	18 52 16.5 -0.4	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
EVR	Ervrytania	2.06 8	P	18 52 17.2 0.0	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
EVR	Ervrytania	2.06 8	P	18 52 17.2 0.0	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
EVR	Ervrytania	2.06 8	P	18 53 04.2	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
EVR	Ervrytania	2.06 8	P	18 53 04.2	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
EVR	Ervrytania	2.06 8	P	18 53 05.1	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
VLY	Voula, Athens	2.11 62	P	18 52 15.3 +1.1	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
VLY	Voula, Athens	2.11 62	P	18 52 15.7 +1.4	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
VLY	Voula, Athens	2.11 62	P	18 52 60.0	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
VLY	Voula, Athens	2.11 62	P	18 53 02.0	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ATH	Athens Observa	2.11 58	P	18 52 15.7 +1.4	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ATH	Athens Observa	2.11 58	P	18 52 15.9 +1.6	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ATH	Athens Observa	2.11 58	P	18 52 54.5	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
ATH	Athens Observa	2.11 58	P	18 53 04.2	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
AXAR	Agios Charalam	2.12 26	P	18 52 16.8 -1.3	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
AXAR	Agios Charalam	2.12 26	P	18 52 17.3 -0.9	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
AXAR	Agios Charalam	2.12 26	P	18 52 59.1	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20	↑ Pn	18 53 53.8 +1.4
AXAR	Agios Charalam	2.12 26	P	18 53 05.4	SRS Serrai	4.55 21	ePn	18 52 49.4 +1.6	MLR Muntele Rosu	9.25 20</		

24d 18h

Table with columns: SIM, Name, Time, Az, El, P, Az, El, P, Az, El, P. Includes stations like Simferopol, Gaziantep, Wattenberg, Walderaim, etc.

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Table with columns: KVAR, Name, Time, Az, El, P, Az, El, P, Az, El, P. Includes stations like Kislodovsk Arr, Memkhab, Akhalkakali, etc.

1712

Table with columns: Name, Time, Az, El, P, Az, El, P, Az, El, P. Includes stations like Barracos, PMRV, Castel Branco, etc.

Table with columns for station call letters, name, frequency, and other parameters. Includes stations like CHGR Chuyangaron, GARR Gilmore, JML Jammu, etc.

Table with columns for station call letters, name, frequency, and other parameters. Includes stations like PKIN Phulchoki, GUN Gulchoki, KURB Kurchatov Arr, etc.

Table with columns for station call letters, name, frequency, and other parameters. Includes stations like CN2 Changchun, CN2 Hagfors, NC303 NORSTAR Array S, etc.

1721

HNS	comp=Z,620nm,20.0s	LR	LR		
HEH	comp=Z,650nm,18.2s				
HEH	HeiHe 67.54 43 eP	pmax	pmax	22 00 13.0 +0.9	
SUR	comp=Z,22nm,1.4s	IAMS_20	IAMS_20	22 32 44.5	
SUR	Sutherland 69.51 187 IAMS_20			22 33 00.1	
SUR	Sutherland 69.51 187 IAMS_20			22 33 00.1	
LHMI	comp=Z,18.4s,baz=358,slow=38	LR	LR	22 27.48 +2.2	
LHMI	Lhok Sumawe 69.62 99 P				
A36M	Sachs Harbour 69.66 352 P			22 00 25.6 +0.7	
A36M	Sachs Harbour 69.66 352 P			22 00 25.7 +0.8	
SRIT	Nakonsitamara 69.72 95 P			22 00 25.4 -0.8	
CN2	Changchun 69.80 50 eP	LR	LR	22 00 26.1 -0.2	
CN2	comp=Z,790nm,16.0s			22 09 27.1 -8.2	
CN2	comp=Z,1µm,16.0s	LR	LR		
GNX	BinXian 69.93 47 pP	pmax	pmax	22 00 28.4 +1.4	
BNX	comp=Z,13nm,1.2s				
BNX	comp=Z,740nm,6.2s				
GRHM	Grahamstown, E 70.05 182 P			22 00 27.6 -0.2	
WVL	Waterville 70.25 311 P			22 00 29.0 0.0	
KLR	Kul'dur 70.46 43j eP	pmax	pmax	22 00 30.1 -0.1	
KLR	comp=Z,15nm,1.3s				
KLR	Kul'dur 70.46 43 P			22 00 30.4 +0.2	
KLR	comp=Z,5.2nm,1.0s,baz=312,slow=7.5,SNR=5.2	LR	LR	22 36 16.5	
KLR	comp=Z,5.2nm,1.0s				
BILL	Bilibino 70.47 16 eP			22 00 30.4 +0.4	
SEY	Seymchan 70.68 24j eP	LR	LR	22 00 34.0 +2.7	
SEY	Seymchan 70.68 24 LR			22 36 20.7	
H62A	comp=Z,875nm,19.0s,baz=314,slow=40				
H62A	Milan 71.14 312 P			22 00 35.1 +0.7	
NJ2	Nanjing 71.68 63 eP	pmax	pmax	22 00 37.1 -0.8	
NJ2	comp=Z,10.0nm,0.5s			22 00 42.0 +0.1	
C36M	comp=Z,230nm,4.4s				
C36M	Paulatuk 71.96 350 P	IAMB	IAMB	22 00 39.0 0.0	
C36M	comp=Z,10nm,0.7s			22 00 44.2	
C36M	Paulatuk 71.96 350 P			22 00 39.8 +0.9	
BCX	comp=Z,23,SNR=11	IAMS_20	IAMS_20	22 32 00.2	
BCX	Boston College 72.40 310 IAMS_20			22 32 00.2	
MA2	Magadan 72.51 27 LR	LR	LR	22 36 49.8	
MA2	comp=Z,462nm,18.4s,baz=314,slow=39				
KULM	Kulim 72.52 97 P			22 00 42.1 -1.0	
HRV	Adam Dzewonski 72.54 310 P			22 00 43.6 +0.7	
PSI	Prapat 72.66 100 P	pmax	pmax	22 00 43.0 -1.1	
PSI	comp=Z,48nm,1.3s				
RPSI	Rantau Prapat 72.72 100 P			22 00 43.0 -1.3	
B22K	Teshkupuk Lake 72.85 1 P			22 00 44.7 +0.4	
B20K	Meade River 73.11 2 P			22 00 46.5 +0.8	
C26K	Camden Bay 73.18 358 P			22 00 47.9 +1.7	
C23K	Ikiliik River 73.37 360 P			22 00 47.9 +0.6	
C24K	Franklin Bluff 73.47 359 P			22 00 48.9 +1.0	
D28M	Stokes Point 73.47 355 P			22 00 49.0 +1.1	
USA0B	Ussuriysk Arra 73.48 47 P	IAMB	IAMB	22 00 47.3 -1.1	
USA0B	comp=Z,22nm,1.2s			22 00 50.2	
USA0B	Ussuriysk Arra 73.48 47j P			22 00 48.3 -0.2	
USRK	Ussuriysk Ar. 73.49 47 P			22 00 47.8 -0.7	
USRK	Ussuriysk Ar. 73.49 47 P			22 00 48.8 +0.3	
USRK	comp=Z,12nm,1.0s,baz=300,slow=4.2,SNR=8.1	LR	LR	22 40 01.1	
USRK	comp=Z,412nm,18.8s,baz=318,slow=42				
B21K	comp=Z,12nm,1.0s				
B21K	Ikpkukuk River 73.56 1 P			22 00 49.2 +0.8	
B18K	Kokolik River 73.56 4 P			22 00 49.0 +0.5	
RCBR	Riachuelo 73.64 249 IAMS_20	IAMS_20	IAMS_20	22 33 06.3	
RCBR	Riachuelo 73.64 249 eP			22 00 51.3 +1.6	
RCBR	Riachuelo 73.64 249 LR			22 33 27.2	
D27M	comp=Z,530nm,21.4s,baz=60,slow=36				
D27M	Malcom River 73.68 356 P	IAMB	IAMB	22 00 49.8 +0.5	
D27M	comp=Z,26nm,1.4s			22 00 59.5	
D27M	comp=Z,535nm,20.0s	IAMS_20	IAMS_20	22 32 40.3	
D27M	Malcom River 73.68 356 P			22 00 49.9 +0.6	
D25K	Kavik River 73.82 358 P			22 00 50.8 +0.7	
D25K	Kavik River 73.82 358 P			22 00 50.0 0.0	
C21K	Knifeflade Rid 74.02 1 P			22 00 51.4 +0.2	
D24K	Happy Valley 74.04 359 P			22 00 51.8 +0.5	
D24K	Happy Valley 74.04 359 P			22 00 52.1 +0.8	
INK	Inuvik 74.05 353 P			22 00 51.8 +0.4	
INK	Inuvik 74.05 353 P			22 00 51.8 +0.4	
INK	comp=Z,10.0nm,1.1s				
INK	Inuvik 74.05 353 P			22 00 52.0 +0.6	
INK	comp=Z,15,SNR=8.1				
INK	Inuvik 74.05 353 LR	LR	LR	22 37 22.6	
E28M	comp=Z,453nm,18.7s,baz=2.5,slow=39				
E28M	Babbage River 74.23 356 P	IAMS_20	IAMS_20	22 00 53.1 +0.6	
E28M	comp=Z,604nm,19.0s			22 36 12.9	
E28M	Babbage River 74.23 356 P			22 00 53.4 +0.9	
D23K	Nanushuk River 74.24 360 P			22 00 53.3 +0.8	
C18K	Utukok River 74.31 4 P			22 00 53.6 +0.6	
D22K	Ayikyay River 74.32 0 P			22 00 54.0 +1.0	
D22K	Ayikyay River 74.32 0 P			22 00 53.8 +0.8	
E29M	Blow River 74.33 355 P			22 00 53.8 +0.8	
E29M	Blow River 74.33 355 P			22 00 53.4 +0.4	
C17K	Delong Mountain 74.36 4 P			22 00 54.2 +0.9	
C16K	Lisburne Hills 74.42 5 P			22 00 53.8 +0.4	
D20K	Etiyuk River 74.42 2 P			22 00 53.9 +0.3	
TOLK	Toolik Lake Re 74.56 359 P	IAMB	IAMB	22 00 54.3 -0.1	
TOLK	comp=Z,35nm,1.6s			22 01 31.6	
TOLK	Toolik Lake Re 74.56 359 P			22 00 53.7 -0.7	
D19K	Kuna River 74.59 3 P	IAMB	IAMB	22 00 55.1 +0.5	
D19K	comp=Z,24nm,1.1s				
D19K	Kuna River 74.59 3 P			22 00 54.8 +0.2	
E21K	Kilik River 74.75 1 P			22 00 55.8 +0.3	
E27K	Coleen River 74.77 356 P	IAMB	IAMB	22 00 55.0 -0.5	
E27K	comp=Z,14nm,1.1s			22 01 01.3	
E27K	Coleen River 74.77 356 P			22 00 56.1 +0.5	
KSAR	Wonju Array Be 74.87 54 P			22 00 56.6 -0.1	
KSAR	Wonju Array Be 74.87 54 P			22 00 56.6 -0.1	
KSRS	Korea Array 74.89 54 P			22 00 57.4 +0.7	
KSRS	comp=Z,4.1nm,0.7s,baz=310,slow=4.8,SNR=8.5	LR	LR	22 38 38.0	
E20K	comp=Z,862nm,18.8s,baz=305,slow=40				
E20K	Nigu River 74.98 2 P			22 00 56.7 +0.4	

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F31M	Tsiightchic 74.91 353 P	IAMB	IAMB	22 00 57.3 +1.0	
F31M	comp=Z,20nm,0.9s			22 00 59.4	
F31M	Tsiightchic 74.91 353 P			22 00 56.5 +0.2	
F30M	Barrier River 74.93 354 P			22 00 57.0 +0.5	
E25K	Arctic Village 75.00 358 P	IAMB	IAMB	22 00 57.6 +0.7	
E25K	comp=Z,14nm,1.1s			22 01 03.1	
E25K	Arctic Village 75.00 358 P			22 00 57.1 +0.2	
E24K	Your Creek 75.11 359 P	IAMB	IAMB	22 00 58.5 +0.9	
E24K	comp=Z,19nm,1.5s			22 01 39.5	
E24K	Your Creek 75.11 359 P			22 00 57.8 +0.2	
E23K	Chandalar 75.14 359 P			22 00 57.5 -0.3	
F28M	Old Crow 75.23 355 P			22 00 59.2 +0.9	
F28M	Old Crow 75.23 355 P			22 00 58.2 0.0	
F26K	Sheenjek River 75.38 357 P			22 00 59.1 0.0	
G31M	Satah River 75.47 353 P	IAMB	IAMB	22 00 59.2 -0.4	
G31M	comp=Z,25nm,1.4s			22 01 40.7	
G31M	Satah River 75.47 353 P			22 00 59.4 -0.2	
F25K	Christian River 75.53 358 P			22 00 59.8 -0.2	
E18K	Tukpahleirik C 75.56 4 P	IAMB	IAMB	22 01 00.6 +0.5	
E18K	comp=Z,25nm,1.2s			22 01 02.5	
E18K	Tukpahleirik C 75.56 4 P			22 00 59.8 -0.3	
G30M	comp=Z,594nm,19.1s,baz=69,slow=36				
G30M	Aoch Zrail Nji 75.59 354 P			22 01 00.2 -0.1	
G30M	Aoch Zrail Nji 75.59 354 P			22 01 00.8 +0.4	
SADO	Sadowa 75.64 316 LR	LR	LR	22 34 30.4	
BMAR	Burnt Mountain 75.66 357 P			22 01 01.9 +1.1	
F24K	Squaw Lake 75.66 359 IAMB	IAMB	IAMB	22 01 02.1 +1.3	
F24K	comp=Z,18nm,1.0s			22 01 07.3	
F24K	Squaw Lake 75.66 359 P			22 01 01.0 +0.3	
E19K	Redstone River 75.66 2 P	IAMB	IAMB	22 01 00.5 -0.2	
E19K	comp=Z,17nm,0.8s			22 01 10.3	
E19K	Redstone River 75.66 2 P			22 01 00.5 -0.2	
F22K	John River 75.70 0 P			22 01 00.5 -0.5	
G29M	Pine Creek 75.80 355 P	IAMB	IAMB	22 01 00.4 -1.1	
G29M	comp=Z,27nm,1.2s			22 01 22.7	
G29M	Pine Creek 75.80 355 P			22 01 01.5 0.0	
E17K	Hotham Inlet 75.83 4 P			22 01 01.8 +0.1	
F21K	Alatna River 75.98 1 P	IAMB	IAMB	22 01 03.8 +1.3	
F21K	comp=Z,18nm,0.9s			22 01 13.0	
F21K	Alatna River 75.98 1 P			22 01 02.5 0.0	
COLD	Coldfoot 75.98 360 P			22 01 03.2 +0.7	
G26K	Porcupine River 76.10 357 P			22 01 03.9 +0.7	
F20K	Avaraart Lake 76.11 2 P	IAMB	IAMB	22 01 04.1 +0.8	
F20K	comp=Z,26nm,1.6s			22 01 14.5	
F20K	Avaraart Lake 76.11 2 P			22 01 03.9 +0.6	
G27K	Doyon Strip 76.14 356 P			22 01 04.4 +0.9	
G27K	Doyon Strip 76.14 356 P			22 01 03.8 +0.3	
PDSI	Padang 76.15 102 P			22 01 06.1 +1.8	
EPYK	Eagle Plains 76.23 354 P	IAMB	IAMB	22 01 04.7 +0.7	
EPYK	comp=Z,14nm,1.0s			22 01 06.8	
EPYK	Eagle Plains 76.23 354 P			22 01 04.3 +0.3	
F19K	Shalueruckik Mo 76.27 3 P	IAMB	IAMB	22 01 04.5 +0.4	
F19K	comp=Z,21nm,1.2s			22 01 06.6	
F19K	Shalueruckik Mo 76.27 3 P			22 01 03.9 -0.2	
G22K	Bettles 76.30 0 P			22 01 04.0 -0.3	
G25K	Bearman Lake 76.37 358 P			22 01 04.6 -0.1	
YKA	Yellowknife Ar 76.42 343 P	pmax	pmax	22 01 08.1 +3.0	
YKA	comp=Z,2.0nm,0.9s			22 01 05.5 +0.4	
YKA	Yellowknife Ar 76.42 343 P			22 01 05.5 +0.4	
YKA	comp=Z,2.0nm,0.9s,baz=31,slow=5.3,SNR=8.2	LR	LR	22 35 48.8	
G24K	Hadweenzic Riv 76.47 358 P			22 01 05.3 0.0	
F17K	Baldwin Pennin 76.50 4 P			22 01 06.1 +0.7	
G23K	Bananza Creek 76.50 359 P	IAMB	IAMB	22 01 06.7 +1.1	
G23K	comp=Z,15nm,1.1s			22 01 09.7	
G23K	Bananza Creek 76.50 359 P			22 01 05.9 +0.4	
H29M	Whitestone 76.51 355 P	IAMB	IAMB	22 01 05.9 +0.3	
H29M	comp=Z,11nm,0.9s			22 01 08.6	
H29M	Whitestone 76.51 355 P			22 01 05.2 -0.4	
G21K					

24d 21h

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like 1J6K Anvik River, KTH Kantishna Hill, 053A New Philadelphia, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like 142A Draeger Farm, YUK8 Steele Glacier, LIRD Liard River Hi, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like NEW Newport, NEW Newport, RLMT Red Lodge, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and Time. Includes stations like ISK 24 21:55:15.6, AFAD 24 21:55:16.0, etc.

Table with columns: Station Name, Azimuth, Elevation, Magnitude, Phase ID, Time, Residual. Includes stations like Acipayam-Deniz, Datca, Kayabasi, etc.

NNC 24 22:03:12.3:2.3, 36.79N:70.38E, h167km, mb3.8/2, mpv3.7, Error ellipse: s-maj=25.3km s-min=14.8km

ISC 24 22:03:11.3:3.5, 36.7N:70.3E, 0.1, h150km, n13, <056/16, 4C-1D, Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Elevation, Magnitude, Phase ID, Time, Residual. Includes stations like Almayashu, Almayashu, Karatay Arr, etc.

IDC 24 22:09:58.5:1.2, 37.03N:28.65E, h0km, mb3.8/2, mbtmp3.7/3, ML3.5/6, Error ellipse: s-maj=19.0km s-min=17.5km az=157.0

THE 24 22:09:58.9, 37.13N:28.56E, h3km, mb3.4/9, Error ellipse: s-maj=2.4km s-min=1.0km az=355.0

AFAD 24 22:09:58.6:0.0, 37.11N:28.57E, h7km, mb3.3M/3.7, ISK 24 22:09:58.3, 37.11N:28.58E, h14km, ML3.5/14

ISC 24 22:09:59.0:0.9, 37.11N:02.2857E:0.02, h12km, g6km, n49, c122/84, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Magnitude, Phase ID, Time, Residual. Includes stations like Yerkesik, Mugla, Merkez, Dalyan, etc.

NISR 1um, 1.3s Nisiroso 1.26 247 P S Pb 22 10 22.7 0.0

Table with columns: Code, Station Name, Azimuth, Elevation, Magnitude, Phase ID, Time, Residual. Includes stations like KOSK, MANT, KULA, etc.

ASIF 312nm, 0.7s Apeiranthos 2.43 270 P S Pn 22 10 38.8 +0.1

PRK 132nm, 0.6s Paraskavi 2.80 320 P S Pn 22 10 43.1 -0.6

SIGR 338nm, 0.8s Sigr 3.00 315 P S Pn 22 10 46.8 +0.4

MMAI 98nm, 0.7s Anovia 3.49 240 Pn Pn 22 10 55.1 +1.9

ASAF 1.6nm, 0.3s Jabaal al Asfar 8.44 123 Pn Pn 22 12 01.0 -0.2

ASAF 0.1nm, 0.3s Jabaal al Asfar 8.44 123 Pn Pn 22 12 35.2 -1.3

Table with columns: Station Name, Azimuth, Elevation, Magnitude, Phase ID, Time, Residual. Includes stations like Muntele Rosu, Eilat, etc.

FINES Finess Array B 24.41 357 P P 22 15 18.8 +1.6

TORD Torodi Arr, Beza 38.86 232 P P 22 16 42.0 +0.3

AFAD 24 22:11:57.1:0.0, 37.12N:28.59E, h7km, g5km, ML2.6, ISK 24 22:11:57.1, 37.13N:28.57E, h2km, ML2.8/13

ISC 24 22:11:57.3:1.1, 37.12N:02.2860E:0.03, h8km, g9km, n22, c0959/34, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Magnitude, Phase ID, Time, Residual. Includes stations like Yerkesik, Mugla, Merkez, Dalyan, etc.

CAMEL Camel-Denizli 0.59 107 Pg Pp 22 12 10.1 +0.2

DNIZ Denizli-Tavas- 0.62 35 P S Sb 22 12 09.4 +0.2

DNIZ Denizli 0.62 35 S S Sb 22 12 18.9 -0.4

FETY Fethiye 0.62 141 Pp Pp 22 12 10.5 +0.2

APMY Acipayam-Deniz 0.67 58 Pp Pp 22 12 10.9 -0.3

MLSB Milas 0.68 26 Pp Pp 22 12 10.6 -0.7

RFTA Mazkiyok-Bodrum 0.69 260 Pp Pp 22 12 10.5 -0.1

DAT Datca 0.90 245 Pp Pp 22 12 15.8 +0.6

DAT Datca 0.90 245 Pn Pn 22 12 16.3 +0.0

DAT Datca 0.90 245 Pn Pn 22 12 19.4 -0.1

DAT Datca 0.90 245 Pn Pn 22 12 32.0

DAT Datca 0.90 245 Pn Pn 22 12 32.0

DAT Datca 0.90 245 Pn Pn 22 12 32.0

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DAT Datca 0.90 245 Pn Pn 22 12 32.0

DAT Datca 0.90 245 Pn Pn 22 12 32.0

Table with columns: Station Name, Azimuth, Elevation, Magnitude, Phase ID, Time, Residual. Includes stations like Mont Dzumac, etc.

DZM 47nm, 0.3s, baz=197, slow=17, SNR=5.9

ONTNC Ouen Toro 2.15 232 P Pn 22 47 41.1 -0.4

ONTNC Ouen Toro 2.15 232 P Pn 22 47 42.8 -1.8

WBO Warramunga Arr 31.77 266 P Pamb Iamb 22 53 30.6 +0.3

WRA Warramunga Arr 31.80 266 P Pamb Iamb 22 53 29.9 -0.6

AS31 Alice Springs 31.88 259 P P 22 53 30.9 -0.3

ASAR Alice Springs 31.88 259 P P 22 53 31.1 -0.2

VNDA Vanda 56.65 182 P Iamb Pamb 22 56 50.9 +2.5

OSPA South Pole Qui 69.06 180 P P 22 58 11.2 -0.2

OSPA South Pole Qui 69.06 180 P P 22 58 11.0 -0.5

CMAR Cerro de Muer 78.43 295 P P 22 59 09.2 +2.2

BRDH Baridhalla 86.41 296 LR 23 39 51.0

ARCES ARCES Array B 126.53 345 PKP PKPdf 23 06 07.9 -0.4

GERES GERES Array B 145.59 330 PKPbC PKPab 23 06 44.7 +0.1

NOU 24 23:19:21.7, 21.05S:168.66E, h0km, MLV3.2/8, Loyalty Islands

IDC 24 23:19:24.5:4.3, 20.78S:168.19E, h0km, mb3.8/2, mbtmp3.7/3, ML3.1/1, Error ellipse: s-maj=132.4km s-min=32.6km az=133.0

NEIC 24 23:19:25.8:1.7, 20.95S:0.03:168.09E:0.03, h7km, g7km, mb4.1/1, Error ellipse: s-maj=4.5km s-min=3.9km az=76.0

ISC 24 23:19:24.9:1.7, 20.94S:0.06:168.2E:0.1, h10km, n21, c1917/24, mb4.1/3, Loyalty Islands

MARNC Mare, Loyalty 0.55 193 Pp Pp 23 19 35.9 +0.3

MARNC Mare, Loyalty 0.55 193 Pp Pp 23 19 44.0 -0.6

LIFNC LIFOU 0.88 281 Pp Pp 23 19 35.6 0.0

LIFNC LIFOU 0.88 281 Pp Pp 23 19 55.0 -1.2

LIFNC LIFOU 0.88 281 Pp Pp 23 19 45.5 +2.1

PINNC Pines Island, 1.79 202 Pn Pn 23 19 55.1 -0.8

PINNC Pines Island, 1.79 202 Pn Pn 23 19 54.3 -1.6

OUENC Ouen Island, N 1.92 220 Pn Pn 23 19 57.8 +0.2

OUENC Ouen Island, N 1.92 220 Pn Pn 23 19 59.4 -0.6

DZM Mont Dzumac 1.96 235 P Pn 23 19 51.9 +0.9

DZM Mont Dzumac 1.96 235 P Pn 23 20 00.4 -0.3

DZM Mont Dzumac 1.96 235 P Pn 23 20 00.0 -0.7

DZM Mont Dzumac 1.96 235 P Pn 23 20 28.6 +0.7

NOUC Port Laguerre 2.08 236 P Pn 23 20 02.7 -0.1

ONTNC Ouen Toro 2.09 229 Pn Pn 23 20 07.4 +0.3

ONTNC Ouen Toro 2.09 229 Pn Pn 23 20 09.9 -0.1

KOUNC Koumac, New Ca 3.65 275 Pn Pn 23 20 18.8 +0.3

KOUNC Koumac, New Ca 3.65 275 Pn Pn 23 20 26.7 -2.9

WRA Warramunga Arr 31.68 266 P 23 25 50.4 +1.6

AS31 Alice Springs 31.77 259 P Iamb 23 25 50.4 +0.8

AS31 Alice Springs 31.77 259 P Iamb 23 25 50.1

ASAR Alice Springs 31.77 259 P P 23 25 51.1 +1.5

ASAR Alice Springs 31.77 259 P P 23 25 51.3 +1.6

GERES GERES Array B 145.48 330 PKPbC PKPab 23 39 03.4 -0.2

CATAC 24 23:34:04.5:0.4, 10.58N:82.98W, h9km, g3km, ML4.0, Hypocentre not reviewed by the ISC

UCR 24 23:34:06.9:1.5, 10.58N:83.12W, h15km, 16km, MW4.9

IPU 24 23:34:08.2:0.8, 10.48N:83.07W, h21km, 7km, MW4.2

ISC 24 23:34:04.5:2.0, 10.54N:0.09:83.09W:0.04, h10km, n12km, n41, c0976/52, 4D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Elevation, Magnitude, Phase ID, Time, Residual. Includes stations like BATAN, IRES, etc.

24d 23h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like EI Espalme, Bo, San Pablo, Acosta, etc.

ISC 24 23:35:59.8z-2.7, 36:22N-71:11E, h220km, 25km, mb3.4/11, mbmp4.1/17, Error ellipse: s-maj=19.1km s-min=15.3km az=6.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Kabul, Garm, Chiray, etc.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Simla, Ospenwka, Tokmak 2, etc.

ISC 24 23:53:40.8z-1.6, 2:92S-137:24E, h0km, mb3.8/5, mbmp3.9/7, ML3.6/2, MS3.2/6, Error ellipse: s-maj=63.4km s-min=22.0km az=72.0

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Fak Fak, Manton Dam, Warrunganga Arr, etc.

MDD 24 23:58:19.0z-0.3, 36:43N-77:71W, h22km, 1km, mb_Lg3.4/54, Error ellipse: s-maj=2.2km s-min=1.6km az=49.0

25d 1h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Verde Repeater, Hadweezic Riv, McCarthy VSAT, etc.

TAP 25 01:20:34.8, 23.79N, 121.68E, h39km, ML2.9, C
JMA 25 01:20:34.2, 0.2, 23.7N, 0.8, 121.7E, 0.8, h35km, 1km,
M13, 1/7, TAIWAN REGION
ISC 25 01:20:35.4, 1.0, 23.77N, 0.02, 121.71E, 0.03, h33km, 2km,
n59, 0074/104, Taiwan

2017 NOV

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HWA Hwalien, EGHF Guangfu, EGFG, etc.

1726

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

EAF 25 01:26:30.8, 26.50S, 27.71E, h0km, MC3.7
BUL 25 01:26:31.5, 2.0, 26.48S, 27.69E, h5km, 19km, MD3.9
PRE 25 01:26:32.6, 0.9, 26.46S, 27.44E, h2km, ML2.7
NAM 25 01:27:36.1, 0.3, 25.45S, 20.96E, h15km, MD4.0
ISC 25 01:28:30.3, 0.6, 26.41S, 0.04, 27.59E, 0.03, h5km, n27,
<2836/49, South Africa

KRSC 25 01:40:07.5, 1.5, 51.20N, 157.28E, h149km, 11km, M14.1,
Near east coast of Kamchatka Peninsula

Table with columns: SJS, IAML, Time, Res. Includes stations like Punta Cana, DR, Isla Saona, Hato Mayor, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes JMA 25 04:46:21.1, 0.1, 32.4N, 0.5, 130.5E, 0.3, h2km, 2km, etc.

IOC 25 04:47:12.3, 23.0, 23.11S, 179.33E, h624km, 224km, mb3.5/4, mbtmp4.6/4, Error ellipse: s-maj=193.4km s-min=89.0km az=83.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes GLKZ Green Lake, MWZ Matawai, NMHZ Naumai, etc.

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

MOS 25 04:47:00.7, 0.9, 41.82N, 135.18E, h399km, mb4.2/31, Error ellipse: s-maj=8.0km s-min=6.0km az=118.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes MSHR Mys Shultsa, PSTR Posyet, USA0B Ussuriysk Arra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes USRK Ussuriysk Ar, USRK Ussuriysk Ar, USRK Ussuriysk Ar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes MDJ Mudanjiang, MDJ Mudanjiang, MDJ Mudanjiang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes JKA Kamikawa-asahi, ERM Erimo, ERM Erimo, etc.

Table with columns: CN2, Changchun, YSS Yuzh-Sakhalin, YSS Nemuro-Hokkai, RUSJ Misakicho, RUSJ KLR, KLR Nemuro-Hokkai, NMR Nemuro 2, NEM2 Nemuro 2, YUK Yuzh-Kuril'sk, YUK YUK, YUK YUK, etc.

Table with columns: BSO1 Boso I, SHO Shikotan, SHO Shikotan, SHO Shikotan, SHO Shikotan, JUNU Nakatsue, HJH Hachioji jima 2, HJH Hachioji jima 2, etc.

Table with columns: HJH2 Mitsune, HJH2 Mitsune, HJH2 Mitsune, HJH2 Mitsune, HEH HeiHe, HEH HeiHe, ZEA Zeya, ZEA Zeya, ZEA Zeya, etc.

Table with columns: HIA Hailar, HIA Hailar, HIA Hailar, HIA Hailar, HIA Hailar, HIA Hailar, HIA Hailar, HIA Hailar, etc.

Table with columns: HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, etc.

Table with columns: PETK Petroglavsk, BTO Baotou, BTO Baotou, BTO Baotou, BTO Baotou, BTO Baotou, BTO Baotou, BTO Baotou, etc.

Table with columns: BTO Baotou, BTO Baotou, BTO Baotou, BTO Baotou, BTO Baotou, BTO Baotou, BTO Baotou, BTO Baotou, etc.

Table with columns: WHN Wuhan, YAK Yakutsk, YAK Yakutsk, YAK Yakutsk, YAK Yakutsk, YAK Yakutsk, YAK Yakutsk, YAK Yakutsk, etc.

Table with columns: XAN Xi'an, ZAK Zakamensk, ZAK Zakamensk, ZAK Zakamensk, ZAK Zakamensk, ZAK Zakamensk, ZAK Zakamensk, ZAK Zakamensk, etc.

Table with columns: ZALV Zalesovo Arra, ZALV Zalesovo Arra, ZALV Zalesovo Arra, ZALV Zalesovo Arra, ZALV Zalesovo Arra, ZALV Zalesovo Arra, ZALV Zalesovo Arra, ZALV Zalesovo Arra, etc.

Table with columns: MKAR Makanchi Array, MAKZ Makanchi, MAKZ Makanchi, MAKZ Makanchi, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: SHL Shilling, SHL Shilling, SHL Shilling, SHL Shilling, SHL Shilling, SHL Shilling, SHL Shilling, SHL Shilling, etc.

Table with columns: KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, KURB Kurchatov Arra, KURB Kurchatov Arra, ANM Nome, F15K North Star Dit, etc.

Table with columns: C16K Lisburne Hills, G15K Niukud, TAPN Taplejung, M13K Dall Lake, L14K Kukka Creek, D17K Noatak River, C17K DeLong Mountai, G16K Koyuk River, RDOG Red Dog Mine, H16K Elin, M14K Bethel, K15K Wolf Creek Mou, N14K Kuskokwak Cree, E17K Hotham Inlet, L15K Ungalak Mounta, J16K Anvik River, M15K Kasigluk River, E18K Tolushleark C, H17K Granite Mounta, KKN Kakani, PKI Pulchoki, PKIN Pulchoki, N15K Kwethluk River, F18K Selawik, DMN Daman, L16K Owhat River, C19K Lookout Ridge, O15K Ungalithiuk R, GKN Gorkha, BOOM Boomskeys use, BOOM Boomskeys use, BOOM Boomskeys use, BOOM Boomskeys use, G18K Tagagawik, G18K Tagagawik, M16K Timber Creek, H18K Honhosa River, K17K Iditarod, D19K Kuna River, L17K Donlin, DANN Dangsing, F19K Shalercuk Mo, CHNA Chernabura Is, E19K Redstone River, E19K Redstone River, O16K Kokwok River B, G19K Purcell Mounta, BVAR Borovoye Array, B20K Meade River, BRVK Borovoye, M17K Holitna River, KOLN Koldanda, D20K Etiivuk River, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, J18K Innoko River, H19K Roundabout Mou, N17K Nushagak Hills

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Table with columns: BOZ, PNTR, CMB, MMAI, RYN, NVAR, NVAR, H17A, NV11, DGMT, OMMB, RLMT, MLAC, GERES, FXWY, MOOW, LA18, SNOV, DIVS, DIVS, THVU, AHID, VES, GMN, GWC, PKM, GRAC, HWUT, R11B, BW06, PDAR, PDAR, SBC, DUG, DUG, MPMC, WCT, FURC, ULM, TPNV, LRM, NLU, EDW2, MPU, GSC, GSC, BFSC, RDMU, K22A, TMUT, TUQ, RSSD, RSSD, RSSD, HEC, MTPU, AGMN, SRU, MURC, GMRC, PKCU, O20A, O20A, PFO, PFO, PFO, PFO, TPFO, BELC, PMLD, IRM, W13A, MONP2, BCN3, PV14, IKP, PDMCI, SUSD, SMCO, ISCO, WUJAZ, Y14A, MVCO, MVCO

Table with columns: MVCO, X16A, O16A, S22A, ECSD, SDCO, 214A, BGNE, T25A, TUC, ANMO, ANMO, ANMO, GLMI, L44A, HDIL, WMOK, LONY, CCM, TX32, TXAR, TXAR, TXAR, P49A, MIAR, WCI, O53A, JCT, TROLL, BELA, SNA, SNA, SNA, SNA, VNA2, LPAZ, LPAZ

AUST 25 05:04:17.1±2.5, 32.73S×116.43E, h0km, Error ellipse: s-maj=28.6km s-min=14.6km az=66.0, Mining explosion., Western Australia

Table with columns: NWAO, NWAO, MUN, MUN, KLBR, KLBR, RKGY, TRN, FUNUN, TRN, TRN, CRUV, GRGR, GRGR, GRHS, GRHS, GCMP, GCMP, PCRV, SVB, SLBI, CACV, CACV, BAUV, BAUV, BAUV, BAUV

KMA 25 05:10:41.9±0.2, 36°11'N, 129°35'E, h8km, 2km, Error ellipse: s-maj=2.0km s-min=0.9km az=66.0 JMA 25 05:10:41.5±0.4, 36°11'N, 13°0'E, h2km, MV2.6/6, S KOREAN PENINSULA REG

Table with columns: KSPHA, KSPHA, KSADO, KSADO, YEYB, YEYB, KSULJ, KSULJ, EUSB, EUSB, GUWB, GUWB, KSDAU, KSDAU, ADOA, ADOA, KSBUS, KSBUS, KSGUM, KSGUM

Table with columns: JTU, JTU, JTSM, JTSM, JHGM, JHGM, JTY, JTY, JJI, JJI, IDC 25 05:16:55.5±0.2, 23°18'N, 141°18'E, h225km, 17km, mb3.5/9, mbtmp4.1/10, Error ellipse: s-maj=29.5km s-min=18.4km BZ=7.0, IDC 25 05:16:58.2±0.1, 23°33'N, 141°18'E, 0.3, h250km, n10, s148°/11, mb3.7/9, Volcano Islands region

25d 5h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC. Includes stations like ZALV, TXAR, KURBB, ARCES, FINES, AKASG, KEST, ESDC, TORD.

NOU 25 05:24:04.6, 38.10S, 178.16E, h45km, mb5.1/29, Off E. Coast of N. Island, N.Z.
WEL 25 05:24:05.7, 0.5, 38.5S, 177.8E, h47km, mb4.5/46, ML4.8/46, MLv4.5/46, Error ellipse: s-maj=0.0km
NEIC 25 05:24:05.4, 1.8, 38.00S, 0.05, 177.96E, 0.09, h44km, 8km, mb4.8/22, Error ellipse: s-maj=1.2, lkm s-min=4.6km az=124.0
IDC 25 05:24:07.0, 1.3, 38.29S, 178.01E, h77km, mb4.6/6, mbmp4.9/8, MS3.2/4, Error ellipse: s-maj=23.4km s-min=18.2km az=164.0
ISC 25 05:24:05.1, 0.5, 37.95S, 0.03, 178.07E, 0.04, h53km, 3km, h53km, p-P, n239, r196/250, mb5.0/28, MS3.2/4, Off east coast of North Island

Main station list table for 25d 5h, listing stations from Pakihiroa to Pokaka with their respective coordinates and parameters.

2017 NOV

Main station list table for 2017 NOV, listing stations from Porangahau to Pokaka with their respective coordinates and parameters.

1732

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC. Includes stations like MMRI, EDFI, PLAI, TWSI, BELA, H03S2, H03S1, H03S3, H03N3, H03N2, H03N1, JNU, KSRS, NJ2, CMAR, MDJ, MDJ, PZH, PZH, XLT, XLT, XLT, XLT, HHC, HHC, BTO, BTO, WMQ, KURBB, RES, ARCES, MMAI, FINES, BRTR, TORD.

NEIC 25 05:25:35.0, 0.9, 35.45S, 150.02E, h5km, 1km, mb_Lg2.1/3, ML2.1/14, Error ellipse: s-maj=4.1km s-min=2.9km az=51.0, Oklahoma

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC. Includes stations like OKCWSV, FNO, OK029, OK052, CROK, DEOK, UOAK, US2A, BLOK, LOOK, T3SA, DKNS, JCT.

IEPN 25 05:37:32.0, 85.52N, 77.53E, h10km
ISC 25 05:37:35.0, 1.4, 84.5S, 0.1, 71.91E, 0.06, h10km, n10, r196/17, North of Severnaya Zemlya

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC. Includes stations like OMEGA, SVZ, KBS, SPA0, NOR, BRBB, BRBA, HSPB.

IDC 25 05:46:01.4, 0.9, 21.73S, 169.65E, h0km, mb4.0/8, mbmp4.0/9, ML3.6/1, MS3.4/5, Error ellipse: s-maj=34.0km s-min=19.6km az=157.0
NEIC 25 05:46:06.5, 1.5, 22.12S, 0.05, 169.4E, 0.1, h10km, 2km, mb4.9/9, Error ellipse: s-maj=16.7km s-min=8.9km az=97.0
ISC 25 05:46:04.9, 0.7, 21.18S, 0.1, 169.62E, 0.08, h25km, n32, r120/29, mb4.1/10, MS3.7/4, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC. Includes stations like MARC, PINNC, LIFNC, OUCEN, DZM, DZM.

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

IDC 25 05:47:27.7 ± 1.29, 46N; 52.12E, h0km, mb3.9/17, mtbtp3.9/22, ML3.7/5, MS3.2/11, Error ellipse: s-maj=24.1km az=164.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHI, QIR1, DSBU, etc.

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

IDC 25 05:58:56.8 ± 0.7, 55.69S; 27.18W, h0km, mb4.1/7, mtbtp4.1/8, ML3.7/1, MS3.4/7, Error ellipse: s-maj=31.7km s-min=18.4km az=65.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HOPE, VNA1, SNA, etc.

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

NEIC 25 07:16:14.1 ± 2.8, 20.07S; 0.10x, 173.41W; 0.07, h10km, 1km, mb4.7/41, Error ellipse: s-maj=16.6km s-min=11.9km az=177.0

mbmp4.3/19,MS3.8/42,Error ellipse: s-maj=21.3km s-min=15.7km az=109.0

ISC 25 07:16:13.8-0.7,20.245-0.077,173.47W,0.06,h12km,3km, h12km,pp-P,n159,r157,132,mb4.8/44,MS3.9/39,7C-10D, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like NIUE, AF, MSFV, RAR, DZM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like NV11, TPNW, WTKN, W13A, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like CRVS, MORC, CFR, etc.

Table with columns: NEW, Newport, 21.00 350 LR, LR, 07 32 08.2, etc.

IDC 25 07:46:11.4.1.7, 16N:126.94E, h0km, mb3.8/5, mbtmp3.8/5, Error ellipse: s-maj=178.2km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

MEX 25 07:48:11.4.0.7, 16.00N:95.27W, h63km, 40km, MD3.8, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

TRN 25 08:14:40.3, 10.66N:62.53W, h29km, MD3.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 25 08:31:26.4.15.0, 29.40N:81.57E, h0km, mb3.8/2, mbtmp3.7/3, ML3.31, Error ellipse: s-maj=284.2km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 25 08:40:22.0.1.0, 54.87S:31.46W, h0km, mb3.7/5, mbtmp3.8/5, Error ellipse: s-maj=47.1km s-min=23.9km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: GSPA, South Pole Qui, 35.36 180 P, P, 08 47 19.9 +0.5, etc.

GCG 25 08:40:27.3.0.9, 13.16N:90.54W, h49km, 5km, MD3.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 25 08:49:19.6:55.0, 17.25S:178.16W, h557km, 4.4km, mb3.0/3, mbtmp3.9/4, Error ellipse: s-maj=998.9km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

DJA 25 09:00:30.7:1.0, 9.5S:5.10.8E, h11km, 7km, M4.1/13, mb4.6/3, MLV3.9/13

IDC 25 09:00:33.6:2.0, 7.68S:109.00E, h93km, 32km, mb3.3/6, mbtmp3.6/6, Error ellipse: s-maj=73.2km s-min=17.8km

IDC 25 09:00:33.6:1.1, 8.4S:0.1:108.49E:0.08, h55km, n23, 156E:20, mb3.6/6, Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 25 09:14:46.7:0.4, 1.31S:120.06E, h0km, mb4.5/25, mbtmp4.5/26, ML4.8/1, MS4.1/59, Error ellipse: s-maj=20.9km s-min=10.5km az=67.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 25 09:14:49.4:0.0, 1.42S:120.15E, h20km, mb4.8/61, mb5.2/30, Mb4.5/19, Mb7.4/324

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

BKSI Bulukumba, 3.98 177 P, Pn, 09 15 52.5 +1.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 25 09:19:16.5:5.0, 10.34N:179.01W, h39.0km, 12km, mb3.0/3, mbtmp3.2/3, Error ellipse: s-maj=12.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 25 09:19:16.5:5.0, 10.34N:179.01W, h39.0km, 12km, mb3.0/3, mbtmp3.2/3, Error ellipse: s-maj=12.5km

IDC 25 09:19:16.5:5.0, 10.34N:179.01W, h39.0km, 12km, mb3.0/3, mbtmp3.2/3, Error ellipse: s-maj=12.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 25 09:19:16.5:5.0, 10.34N:179.01W, h39.0km, 12km, mb3.0/3, mbtmp3.2/3, Error ellipse: s-maj=12.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 25 09:19:16.5:5.0, 10.34N:179.01W, h39.0km, 12km, mb3.0/3, mbtmp3.2/3, Error ellipse: s-maj=12.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

25d 9h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Alice Springs, Alice Springs, Alice Springs, etc.

2017 NOV

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Mount Arapiles, Baijiatou, Matsushiro Arr, etc.

1736

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Makanchi Array, Makanchi Array, Makanchi Array, etc.

Table with columns: STKI, Name, RA, Dec, P, M, Az, El, etc. Includes entries like STKI Sintang, DNP Denpasar, BASI Baing, etc.

Table with columns: PZH, ENH, NUJ, etc. Includes entries like PZH comp=Z,430nm,17.0s, ENH Enshi, NUJ Nanjing, etc.

Table with columns: GOMU, DMN, GTA, etc. Includes entries like GOMU comp=Z,110nm,12.3s, DMN Daman, GTA Gaotai, etc.

25d 11h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AKTO, ARU, MAW, VNSA, GNI, KIRV, KBZ, KMBO, ASF, MMAI, EIL, KLMR, BRTR, QSPA, MBAR, PPT, LSB, BOSA, MLR, SPITS, IDI, SUR, SNA, HFS, TORD, PDAR, TXAR, CPUP, BDBF, LPAZ.

IDC 25 11:16:25.5.1.1.2.63S.139.00E.h0km,mb3.8/8, mbmp3.8/9,ML3.1/1, Error ellipse: s-maj=48.7km s-min=20.4km az=94.0

ISC 25 11:16:31.0.1.0.2.75S.0.1.138.9E.0.3,h37km,n10, o089/10,mb3.8/8,Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BAUMATA, WARRAMUNGA ARR, ASAR, MJAR, SONM, MKAR, KURBB, BVAR, ILAR, QSPA.

IDC 25 11:29:22.9.6.1.51.83N.176.38W,h0km,mb3.6/3, mbmp3.9/5,ML4.1/2, Error ellipse: s-maj=103.6km s-min=56.5km az=79.0

NEIC 25 11:30:03.5.1.5.52.8N.0.2.173.3W.0.1,h229km,11km, mb4.0/54,ML3.4(AEIC), Error ellipse: s-maj=35.4km s-min=8.8km az=164.0

AEIC 25 11:30:03.9.1.8.52.7N.0.2.173.2W.0.1,h229km,6km, Error ellipse: s-maj=33.6km s-min=8.6km az=163.0

ISC 25 11:30:03.0.0.9.52.7N.0.2.173.2W.0.06,h231km,9km, n100,o084/107,mb3.9/11,Andros Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KOSE, KOFF, KOWE, ATKA, GSTR, GSMY, GSKC, CLES, CLCO, ADK.

2017 NOV

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations including ADK, KIWB, NIWH, NIKH, KIMD, TAPA, TAFP, TANO, GANO, MAPS, MAFS, MAFS, MAFS, AMKA, CHGN, M16K, K16K, M17K, J16K, ANM, KDAD, KDAD, L18K, W19K, RSO, M19K, J18K, CNPM, BRLL, H16K, CAST, PWT, BPWW, IMAR, I21K, RND, FID, E19K, MLY, G21K, DHY, NEA2, I23K, I23K, D19K, WRH, CCB, H23K, HDA, IL31, ILAR, ILAR, GLB, G23K, WRD1, WRD2, H24K, H24K, J25K, J25K, J25K, B21K, J26L, J26L, F24K, F24K, L27K, E24K, TOLK, K27K, K27K, I26K, I26K, B22K, B22K, E25K, M29M, M29M, DAWY, D25K, I28M, I28M, K29M, K29M, H29M, H29M, F28M, F28M, J30M, J30M, G29M, G29M, I29M, I29M, EPYK, EPYK, E29M, E29M, INK, A36M, A36M, NVAR, NVAR, PDAR, PDAR.

NEIC 25 11:36:41.9.2.2.38.31N.0.05:141.9E.0.1,h58km,8km, mb4.4/15, Error ellipse: s-maj=15.2km s-min=1.9km az=115.0

1740

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMA, JMA, IDC, ISC, Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JMA, JMA, IDC, ISC, Code, Station Name, Az, Phase ID, Time, Res, ISC.

Table with columns: WRA, Warramunga Arr, 58.39 188 P, P, 11 46 32.0 0.0, comp=Z, 1.1nm, 0.5s, baz=5.3, slow=6.8, SNR=31

NEIC 25 11:40:05.9: 1.0, 36:12N:0.01:99.04W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.1km az=301.0

TUL 25 11:40:06.7: 0.5, 36:13N:0.01:98.97W:0.02, h4km, 3km, ML2.6, mb_Lg2.6/3(NEIC), ML2.5/2(NEIC), Error ellipse: s-maj=2.4km s-min=1.5km az=102.0, Oklahoma

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

IDC 25 11:58:57.7: 1.2, 38:13N:44.37E, h0km, mb3.9/8, mtbpm3.8/16, ML3.5/8, Error ellipse: s-maj=19.0km s-min=12.1km az=139.0

NSSP 25 11:58:57.7: 38:28N:44.65E, h10km, M3s.9 AFAD 25 11:58:58.1: 0.3, 21N:44.65E, h10km, 4km, MW3.9

TEK 25 11:58:58.4: 38:24N:44.61E, h6km, 30km, ML3.6

ISH 25 11:59:00.8: 38:27N:44.34E, h5km, ML3.8/17

AZER 25 11:59:02.0: 0.6, 38:51N:44.81E, h2km, Error ellipse: s-maj=7.6km s-min=5.6km az=240.0

ISC 25 11:58:58.3: 1.1, 38:22N:0.02:44.63E:0.02, h5km, 3km, n111, r180/148, mb3.8/6, 8C-4D, Turkey-Iran border region

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

Table with columns: NAX, Nakhchivan, 1.17 35 P, Pn, 11 59 21.0 -0.4, SNR=56

NEIC 25 12:32:06.6: 1.0, 36:12N:0.01:99.05W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=293.0

TUL 25 12:32:07.5: 0.8, 36:13N:0.01:98.99W:0.02, h6km, 2km, ML2.7, mb_Lg2.6/3(NEIC), ML2.7/12(NEIC), Error ellipse: s-maj=2.1km s-min=1.3km az=125.0, Oklahoma

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

IDC 25 12:32:06.6: 1.0, 36:12N:0.01:99.05W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=293.0

TUL 25 12:32:07.5: 0.8, 36:13N:0.01:98.99W:0.02, h6km, 2km, ML2.7, mb_Lg2.6/3(NEIC), ML2.7/12(NEIC), Error ellipse: s-maj=2.1km s-min=1.3km az=125.0, Oklahoma

NEIC 25 12:32:06.6: 1.0, 36:12N:0.01:99.05W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=293.0

TUL 25 12:32:07.5: 0.8, 36:13N:0.01:98.99W:0.02, h6km, 2km, ML2.7, mb_Lg2.6/3(NEIC), ML2.7/12(NEIC), Error ellipse: s-maj=2.1km s-min=1.3km az=125.0, Oklahoma

NEIC 25 12:32:06.6: 1.0, 36:12N:0.01:99.05W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=293.0

TUL 25 12:32:07.5: 0.8, 36:13N:0.01:98.99W:0.02, h6km, 2km, ML2.7, mb_Lg2.6/3(NEIC), ML2.7/12(NEIC), Error ellipse: s-maj=2.1km s-min=1.3km az=125.0, Oklahoma

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

Table with columns: GERES, GERES Array B, 24.65 306 P, P, 12 04 19.9 0.0, 0.9nm, 0.6s, baz=63, slow=13, SNR=2.6

TAP 25 12:17:53.4, 23:61N:120:73E, h14km, ML0.8, B, Taiwan

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

TAP 25 12:17:58.0, 23:61N:120:73E, h13km, ML0.8, B, Taiwan

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

NEIC 25 12:32:06.6: 1.0, 36:12N:0.01:99.05W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=293.0

TUL 25 12:32:07.5: 0.8, 36:13N:0.01:98.99W:0.02, h6km, 2km, ML2.7, mb_Lg2.6/3(NEIC), ML2.7/12(NEIC), Error ellipse: s-maj=2.1km s-min=1.3km az=125.0, Oklahoma

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

NEIC 25 12:32:06.6: 1.0, 36:12N:0.01:99.05W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=293.0

TUL 25 12:32:07.5: 0.8, 36:13N:0.01:98.99W:0.02, h6km, 2km, ML2.7, mb_Lg2.6/3(NEIC), ML2.7/12(NEIC), Error ellipse: s-maj=2.1km s-min=1.3km az=125.0, Oklahoma

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

NEIC 25 12:32:06.6: 1.0, 36:12N:0.01:99.05W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=293.0

TUL 25 12:32:07.5: 0.8, 36:13N:0.01:98.99W:0.02, h6km, 2km, ML2.7, mb_Lg2.6/3(NEIC), ML2.7/12(NEIC), Error ellipse: s-maj=2.1km s-min=1.3km az=125.0, Oklahoma

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

NEIC 25 12:32:06.6: 1.0, 36:12N:0.01:99.05W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=293.0

TUL 25 12:32:07.5: 0.8, 36:13N:0.01:98.99W:0.02, h6km, 2km, ML2.7, mb_Lg2.6/3(NEIC), ML2.7/12(NEIC), Error ellipse: s-maj=2.1km s-min=1.3km az=125.0, Oklahoma

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

NEIC 25 12:32:06.6: 1.0, 36:12N:0.01:99.05W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=293.0

TUL 25 12:32:07.5: 0.8, 36:13N:0.01:98.99W:0.02, h6km, 2km, ML2.7, mb_Lg2.6/3(NEIC), ML2.7/12(NEIC), Error ellipse: s-maj=2.1km s-min=1.3km az=125.0, Oklahoma

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

NEIC 25 12:32:06.6: 1.0, 36:12N:0.01:99.05W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=293.0

TUL 25 12:32:07.5: 0.8, 36:13N:0.01:98.99W:0.02, h6km, 2km, ML2.7, mb_Lg2.6/3(NEIC), ML2.7/12(NEIC), Error ellipse: s-maj=2.1km s-min=1.3km az=125.0, Oklahoma

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

NEIC 25 12:32:06.6: 1.0, 36:12N:0.01:99.05W:0.01, h5km, 1km, Error ellipse: s-maj=3.0km s-min=2.2km az=293.0

TUL 25 12:32:07.5: 0.8, 36:13N:0.01:98.99W:0.02, h6km, 2km, ML2.7, mb_Lg2.6/3(NEIC), ML2.7/12(NEIC), Error ellipse: s-maj=2.1km s-min=1.3km az=125.0, Oklahoma

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

Table with columns: LBZ, DSZ, INZ, RPZ, QZ, CASY, MRZ, THZ, WMQ, HEH, SNZO, MRZ, BKZ, BKZ, RTZ, RTZ, KSH, KSH, MXZ, KBL, MK31, MKAR, MKAR, MAKM, MAKM, AAK, AAK, ARSB, GAR, CHGR, WSAR, KURBB, KURK, ZAAO, ZALV, ZALV, VOI, MAW, MAW, PEAOB, PETK, PETK, GEYT, VANDA, VANDA, BVAR, BRVK, SBA, AKTO, AKTO, TAXI, KMB0, KMB0, GSPA, GSPA, GRHM, MBAR, MBAR, LSZ, LSZ, MMAI, BOS, BOS, LBTB, TROLL, SNA, SNA, SNA, SNA, M16K, M16K, H17K, H17K, L18K, J18K, J18K, D19K, D19K, G19K, G19K, H19K, H19K, IMAR, E21K, E21K

Table with columns: C23K, C23K, H23K, H23K, SML, ILAR, TOR, TOR, NVAR, NVAR, ULM, PLCA, TXAR, TXAR, TXAR, TXAR, WWT, OXF, SSMO, CLTN, T50A, S51A, Q54A, R53A, X48A, CPUP, CPUP, W50A, Y49A, LRAL, Y52A, KMSC, DJA 25 13:29:33.0, D 2, N 4, h10km, M3.6/7, mb3.8/2, MLV3.57, Halmahera, Code, Station Name, A, AZ, Op, Phase, ID, Time, Res, TNTI, TNTI, LBAHU, LBAHU, SWI, SWI, GTOI, GTOI, IDC 25 13:32:52.9, 7.5, 36.66N, 71.24E, h0km, mb4.1/1, mbmp3.9/4, ML3.4/3, MS2.0/1, Error ellipse, ISC 25 13:32:56.8, 2.7, 36.8N, 0.2, 70.8E, 0.1, h10km, n7, c2930/8, 2C-2D, Hindu Kush region, Code, Station Name, A, AZ, Op, Phase, ID, Time, Res, AML, AML, KK31, KK31, AAK, AAK, GEYT, GEYT, ZALV, ZALV, CMAR, CMAR, ARCES, ARCES, RSNC 25 13:44:51.4, 2.0, 8.44N, 71.89W, h0km, 8km, ML2.4, FUNV 25 13:44:52.6, 7.98N, 71.76W, h5km, MW3.1, ISC 25 13:44:50.1, 1.2, 8.93N, 0.0, 71.84W, 0.03, h9km, n11km, n17, c1845/33, Venezuela, Code, Station Name, A, AZ, Op, Phase, ID, Time, Res, CAPV, CAPV, GCOV, GCOV, PAMC, PAMC, PAMC, PAMC, SDV, SDV, SDV, SDV, OCAC, OCAC, TAMC, TAMC, TAMC, TAMC, BARC, BARC, BARC, BARC, CURV, CURV, SANV, SANV, RUSC, RUSC, RUSC, RUSC, CRUC, CRUC, CRUC, CRUC, TEVP, TEVP, ZARC, ZARC, ZARC, ZARC, PTBC, PTBC, PTBC, PTBC, URIC, URIC, URIC, URIC, BAUV, BAUV, BENV, BENV, SJA 25 14:07:30.6, 21.42S, 68.51W, h145km, 3km, ML3.5, MW3.3, GUC 25 14:07:08.2, 0.8, 21.42S, 68.49W, h141km, 5km, ML3.3, ISC 25 14:07:07.1, 1.6, 21.45S, 0.03, 68.54W, 0.07, h153km, 11km, n33, c1924/63, 10C, Chile-Bolivia border region, Code, Station Name, A, AZ, Op, Phase, ID, Time, Res

Table with columns: PB09, PB09, PB09, PB09, PB01, PB01, PB01, LVC, LVC, LVC, LVC, PB02, PB02, PB02, PB02, PB07, PB07, PB07, PB07, PB08, PB08, PB08, PB08, PATCX, PATCX, PATCX, PATCX, HMBC, HMBC, HMBC, HMBC, PB04, PB04, PB04, PB04, TA01, TA01, TA01, G001, G001, G001, G001, PB15, PB15, PB15, PB15, YJA, YJA, PB16, PB16, PB12, PB12, G002, G002, UCR 25 14:16:53.7, 0.8, 9.00N, 82.75W, h12km, 5km, MW3.8, CATAC 25 14:16:54.6, 0.2, 8.95N, 82.93W, h8km, 2km, ML3.5, Hypocentre not reviewed by the ISC, UPA 25 14:16:55.3, 2.0, 8.95N, 82.85W, h8km, 7km, MD3.7, ML4.2, MW4.1, ISC 25 14:16:53.4, 1.1, 9.02N, 0.03, 82.75W, 0.02, h14km, 9km, n46, c1920/67, 10C-12D, Panama-Costa Rica border, Code, Station Name, A, AZ, Op, Phase, ID, Time, Res, CTRC, CTRC, CTRC, CTRC, BRU2, BRU2, BRU2, BRU2, BRU2, BRU2, BRU2, BRU2, MLIR3, MLIR3, BC3P, BC3P, EDSV, EDSV, POTG, POTG, POTG, POTG, BCO2, BCO2, BCO2, BCO2, LNBO3, LNBO3, LNBO3, LNBO3, PTAR3, PTAR3, PTAR3, PTAR3, CDITO, CDITO, CDITO, CDITO, CN12, CN12, PSM03, PSM03, CHGR2, CHGR2, CHGR2, CHGR2, BRIBI, BRIBI, SRBA, SRBA, SRBA, SRBA, CCOL, CCOL, CCOL, CCOL, DVD, DVD

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like KSMR Kasumkent, DDFL Dedoflitskaro, GRMI Lagodekhi, etc.

AUST 25 15:33:52.7±0.3, 33.49S±148.97E, h10km, Error ellipse: s-maj=3.1km s-min=2.7km az=137.0

NOU 25 15:33:52.2, 33.45S±148.95E, h0km, MLV4, 1/22, New South Wales, Australia

ISC 25 15:33:52.6±1.3, 33.45S±148.88E±0.04, h14km±9km, n53, r152/63, 2D, New South Wales

Main table for 1745 section, listing station codes (YNG, SYDH, AUDAR, etc.), station names, and their respective coordinates and parameters.

ICD 25 15:37:06.9±0.7, 21.77S±169.01E, h0km, mb4.3/15, mbmp4.3/17, ML3.9/2, MS3.6/21, Error ellipse: s-maj=19.1km s-min=18.3km az=53.0

NEIC 25 15:37:07.4±2.2, 21.71S±168.169±10E±0.03, h10km±1km, mb4.4/15, Error ellipse: s-maj=14.3km s-min=3.0km az=15.0

BGR 25 15:37:08.1, 21.18S±175.07E, h2km±1km

NOU 25 15:37:08.7, 21.79S±168.93E, h0km, mb4.8/35, Loyalty Islands

ISC 25 15:37:11.4±0.8, 21.77S±168.93E±0.06, h27km±5km, h27km±5km, pp-P, n135, r192/132, mb4.4/24, MS3.6/21, 4C-3D, Loyalty Islands

Main table for 2017 NOV section, listing station codes (MARNC, MARNE, etc.), station names, and their respective coordinates and parameters.

Main table for 25d 15h section, listing station codes (HHC, MA2, ELIB, etc.), station names, and their respective coordinates and parameters.

UPP 25 15:40:05.0±2.9, 60.70N±29.36E, h0km, ML 1.5

ICD 25 15:40:06.5±0.4, 60.95N±29.05E, h0km, ML 1.8, Explosion

ML 8/1, Error ellipse: s-maj=18.3km s-min=11.6km az=158.0

ISC 25 15:40:06.4±1.0, 61.06N±0.04±28.94E±0.05, h0km, n32, r147/46, Finland-Karelia border region

Table for 25d 15h section, listing station codes (RUF, RUF, etc.), station names, and their respective coordinates and parameters.

J18K	Innoko River comp=Z,1um,20.0s	87.22	13	IAMS_20	IAMS_20	18 16 44.1
J18K	Innoko River baz=209	87.22	13	P	P	17 42 48.8 +1.0
PAHR	Pat River Range comp=Z,42nm,1.2s	87.27	46	IAMB	IAMB	17 42 56.8
SLBS	Sierra La Lagu	87.32	64	P	P	17 42 49.0 -0.3
TROLL	Troll, Antarti comp=Z,962nm,0.8s	87.32	183	↑P	↑P	17 42 47.8 -0.8
RYN	Ryan comp=Z,2um,22.0s	87.33	47	IAMS_20	IAMS_20	18 12 59.0
GRAC	Grapevine Rang comp=Z,2um,19.0s	87.35	49	IAMS_20	IAMS_20	18 16 12.7
NVAR	Mina Array Sea comp=Z,5.7nm,0.9s,baz=226,slow=7.0,SNR=24	87.38	47	P	P	17 42 48.5 -0.9
NVAR	Furnace Creek, baz=242	87.46	50	P	P	17 42 50.9 +1.4
GWY	Greenwater Val comp=Z,2um,1.3s	87.47	50	IAMB	IAMB	17 42 57.5
NV11	Mina Array Sit comp=Z,30nm,1.2s	87.48	47	IAMB	IAMB	17 42 57.9
NV11				IAMS_20	IAMS_20	18 13 35.2
GLI	Glacier Island baz=216	87.50	18	P	P	17 42 49.4 +0.2
KNK	Knik Glacier	87.54	18	P	P	17 42 50.7 +1.4
GMRC	Granite Mounta baz=243,SNR=16	87.55	51	P	P	17 42 52.0 +1.7
IRM	Iron Mountain baz=243,SNR=29	87.65	52	P	P	17 42 52.7 +2.1
TUQ	Turquoise Moun baz=243,SNR=15	87.66	51	P	P	17 42 52.6 +1.9
K20K	Telida baz=211	87.72	14	P	P	17 42 51.8 +1.6
PPLA	Purkeypile baz=213	87.78	15	P	P	17 42 52.1 +1.4
WCT	Wildcat Mounta comp=Z,30nm,1.3s	87.78	49	IAMB	IAMB	17 42 60.0
KVN	Kaiserville comp=Z,31nm,1.2s	87.82	47	IAMB	IAMB	17 42 59.5
KVN				IAMS_20	IAMS_20	18 14 52.0
F15K	North Star Dit comp=Z,2um,22.0s	87.82	9	IAMS_20	IAMS_20	18 15 02.1
NVL	N'azarevskaya comp=Z,21nm,1.6s	87.83	186	eP	eP	17 42 51.4 +0.6
NVL				pmax	pmax	
NVL				MLR	MLR	
CUT	Chulitna comp=Z,2um,17.0s	87.86	16	IAMS_20	IAMS_20	18 15 17.4
SNA4	Sanae comp=Z,2um,20.0s	87.86	181	P	P	17 42 49.1 -1.9
SNA4				IAMB	IAMB	17 43 11.5
SNA4				IAMS_20	IAMS_20	18 17 44.4
SNA4	Sanae comp=Z,2um,21.4s	87.86	181	eP	eP	17 42 50.3 -0.8
SNA4				pmax	pmax	
SNA4	Sanae comp=Z,2.33nm,1.7s	87.86	181	↑P	↑P	17 42 50.0 -1.1
SNA4	Sanae comp=Z,1.85nm,0.9s	87.86	181	P	P	17 42 49.7 -1.3
SNA4	Sanae comp=Z,7.0nm,0.8s,baz=179,slow=2.7,SNR=16	87.86	181	P	P	17 42 49.7 -1.3
SNA4				LR	LR	18 18 28.9
G16K	Koyuk River comp=Z,1um,20.0s	87.89	10	IAMS_20	IAMS_20	18 15 38.6
SML	Sawmill baz=216	87.89	17	P	P	17 42 52.0 +0.9
H17K	Granite Mounta comp=Z,2um,22.0s	87.90	11	IAMS_20	IAMS_20	18 14 44.2
H17K	Granite Mounta baz=209	87.90	11	P	P	17 42 53.4 +2.4
J19K	Poorman comp=Z,2um,19.0s	87.92	13	IAMS_20	IAMS_20	18 19 35.6
BLYC	Blythe comp=Z,35nm,1.4s	87.93	53	IAMB	IAMB	17 43 30.2
M23K	Glacier River baz=217	88.05	18	P	P	17 42 52.6 +0.7
113A	Mohawk Valley comp=Z,2.0nm,1.2s	88.06	54	IAMB	IAMB	17 43 00.9
TPNV	Topopah Spring comp=Z,2um,20.0s	88.12	49	IAMS_20	IAMS_20	18 15 24.0
TPNV	Topopah Spring baz=242,SNR=17	88.12	49	P	P	17 42 54.6 +1.6
SCM	Sheep Creek Mo baz=217	88.20	18	P	P	17 42 53.5 +0.9
CAST	Castle Rocks baz=213	88.24	15	P	P	17 42 52.9 +0.2
G17K	Kwialik Mounta baz=205	88.28	11	P	P	17 42 53.9 +1.1
VNA3	Neumayer Olymp comp=Z,1.8nm,0.7s	88.33	179	↑P	↑P	17 42 52.5 -0.7
KLU	Klutina comp=Z,2um,19.0s	88.34	19	P	P	17 42 53.9 +0.6
H18K	Honhosa River comp=Z,1um,20.0s	88.39	12	IAMS_20	IAMS_20	18 17 02.2
J20K	Nowitza River comp=Z,2um,21.0s	88.41	14	IAMS_20	IAMS_20	18 15 33.4
J20K	Nowitza River baz=211	88.41	14	P	P	17 42 54.6 +1.2
214A	Organ Pipe Nat comp=Z,4.4nm,1.6s	88.44	55	IAMB	IAMB	17 43 19.8
214A				IAMS_20	IAMS_20	18 16 25.7
214A	Organ Pipe Nat baz=244	88.44	55	P	P	17 42 54.4 0.0
PDMDI	Parker Dam Lak baz=242,SNR=8.4	88.46	52	P	P	17 42 55.1 +0.7
NLWA	Neilton Lookou comp=Z,2um,18.0s	88.48	37	IAMS_20	IAMS_20	18 23 47.6
F04A	Amboy comp=Z,1um,19.0s	88.54	39	IAMS_20	IAMS_20	18 18 47.3
BILL	Bilbino comp=Z,2um,20.0s	88.56	358	P	P	17 42 51.9 -2.2
BILL				IAMB	IAMB	17 43 06.5
BILL				IAMS_20	IAMS_20	17 42 56.4 +2.3
BILL				IAMB	IAMB	17 43 03.9
V12A	Nelson comp=Z,33nm,1.4s	88.57	51	IAMS_20	IAMS_20	18 14 57.9
CHUM	Lake Minchumin baz=213	88.58	15	P	P	17 42 55.6 +1.4
USHA	Ushuaia comp=Z,772nm,20.5s,baz=212,slow=31	88.64	15	IAMS_20	IAMS_20	18 18 19.1
VNA2	Neumayer-Watz comp=Z,1.6nm,0.7s,baz=182,slow=3.0	88.66	180	↑P	↑P	17 42 53.9 -0.9
WAT1	Susitna Watana baz=216	88.66	17	P	P	17 42 55.4 +0.7
HSIG		88.67	58	IAMB	IAMB	17 43 03.7
HSIG				IAMS_20	IAMS_20	18 14 23.7
HOOD	Mount Hood Mea comp=Z,2um,19.0s	88.67	40	IAMS_20	IAMS_20	18 16 51.0
TRF	Thorofore Moun baz=214	88.72	16	P	P	17 42 55.3 +0.2
CIT	Chita comp=Z,2um,20.0s	88.76	328	eP	eP	17 42 55.0 -0.5
CIT				pmax	pmax	17 43 03.6
VNA1	Neumayer-Stat comp=Z,1.6nm,0.8s	88.93	180	↑P	↑P	17 42 55.1 -0.9
BBB	Bella Bella comp=Z,916nm,19.0s,baz=242,slow=32	88.95	32	LR	LR	18 17 00.6
W13A	Hualapai Mount comp=Z,31nm,1.4s	89.00	52	IAMB	IAMB	17 43 05.5
G18K	Tagagawik comp=Z,2um,21.0s	89.00	11	IAMS_20	IAMS_20	18 16 10.9
G18K	Tagagawik baz=207	89.00	11	P	P	17 42 56.0 -0.2
F17K	Baldwin Pennin comp=Z,2um,21.0s	89.04	10	IAMS_20	IAMS_20	18 15 51.9
RND	Reindeer comp=Z,2um,21.0s	89.05	16	IAMS_20	IAMS_20	18 15 32.9
BMN	Battle Mountai comp=Z,41nm,1.1s	89.07	46	IAMB	IAMB	17 43 11.0
BPAW	Bear Paw Mtn. comp=Z,2um,21.0s	89.08	15	IAMS_20	IAMS_20	18 15 42.7
BPAW	Bear Paw Mtn. baz=214	89.08	15	P	P	17 42 57.6 +0.9

U33K	Whale Pass baz=230	89.09	27	P	P	17 42 57.8 +1.0
H19K	Roundabout Mou baz=209	89.09	12	P	P	17 42 57.8 +1.3
Y14A	Wickburg comp=Z,37nm,1.9s	89.14	53	IAMB	IAMB	17 43 19.3
GNW	Green Mountain comp=Z,55nm,1.5s	89.17	38	P	P	17 42 56.6 -0.7
GNW				IAMB	IAMB	17 43 11.6
GNW				IAMS_20	IAMS_20	18 13 31.8
PRN	Pahroc Range comp=Z,2um,19.0s	89.18	49	IAMS_20	IAMS_20	18 15 57.1
DHY	Highway comp=Z,2um,20.0s	89.18	17	IAMS_20	IAMS_20	18 15 10.4
YAK	Yakutsk comp=Z,2um,22.0s	89.21	341	IAMS_20	IAMS_20	18 16 21.3
YAK	Yakutsk	89.21	341	iP	iP	17 42 57.4 +0.2
YAK				pmax	pmax	
YAK	Yakutsk comp=Z,11nm,1.1s	89.21	341	LR	LR	18 16 51.7
YAK	Yakutsk comp=Z,92nm,21.9s,baz=134,slow=32	89.23	48	IAMS_20	IAMS_20	18 17 43.4
R11B	Troy Canyon, C baz=216	89.23	48	P	P	17 42 58.5 +0.4
R11B	Troy Canyon, C baz=243	89.23	48	P	P	17 42 58.5 +0.4
G06A	Carlson Farm, comp=Z,1um,19.0s	89.25	40	IAMS_20	IAMS_20	18 14 14.1
MCK	McKinley baz=216	89.30	16	P	P	17 42 59.9 +1.3
I07A	Izee comp=Z,45nm,1.3s	89.36	42	IAMB	IAMB	17 43 07.5
CTG	Chitna Glacier baz=222	89.37	21	P	P	17 42 59.2 +1.0
H20K	Anotleneega Mo baz=210	89.39	13	P	P	17 42 59.4 +1.4
G19K	Purcell Mounta comp=Z,2um,22.0s	89.51	12	P	P	17 42 59.9 +1.3
G19K	Purcell Mounta baz=208	89.51	12	P	P	17 42 59.9 +1.3
BWN	Browne comp=Z,2um,21.0s	89.52	16	IAMS_20	IAMS_20	18 16 02.4
O28M	Mount Upton baz=223	89.61	21	P	P	17 43 00.8 +1.3
WRAX	Wrangell Islan baz=230	89.62	27	P	P	17 43 00.1 +0.8
PWX	Paxon baz=219	89.63	18	P	P	17 43 00.1 +0.8
I21K	Tanana baz=213	89.75	14	P	P	17 43 00.9 +1.2
MLY	Manley baz=214	89.92	15	P	P	17 43 00.8 +0.2
ULN	Ulanabaatar comp=Z,25nm,1.3s	89.92	322	P	P	17 42 59.0 -2.1
ULN				IAMB	IAMB	17 43 13.2
ULN	Ulanabaatar comp=Z,2um,21.0s	89.92	322	iP	iP	17 43 00.8 -0.3
ULN				pmax	pmax	
M26K	Nabesna, AK baz=221	89.92	19	P	P	17 43 01.1 +0.5
NEA2	Nenana comp=Z,1um,20.0s	89.97	16	IAMS_20	IAMS_20	18 15 52.0
NEA2	Nenana	89.97	16	P	P	17 43 00.7 0.0
H21K	Melozitna Rive comp=Z,2um,21.0s	89.97	14	IAMS_20	IAMS_20	18 17 14.0
H21K	Melozitna Rive baz=212	89.97	14	P	P	17 43 02.1 +1.4
F19K	Shalevokik Mo comp=Z,2um,21.0s	90.00	11	IAMS_20	IAMS_20	18 16 42.3
E18K	Tukpahleark C comp=Z,2um,21.0s	90.04	10	IAMS_20	IAMS_20	18 16 33.8
Q12A	Willow Creek R comp=Z,1um,20.0s	90.07	48	IAMS_20	IAMS_20	18 15 39.6
YUK8	Steele Glacier baz=224	90.13	21	P	P	17 43 02.1 +0.2
TUC	Tucson comp=Z,2um,20.0s	90.15	55	IAMS_20	IAMS_20	18 16 07.0
K24K	Donnelly Dome baz=218	90.20	17	P	P	17 43 02.1 +0.2
M27K	Edge Creek, AK baz=222	90.23	19	P	P	17 43 03.1 +0.9
YUK3	Moose Creek baz=223	90.25	20	P	P	17 43 03.2 +0.8
P30M	Million Dollar baz=226	90.28	23	P	P	17 43 03.3 +1.0
SONM	Songino Array comp=Z,69nm,2.0s	90.28	322	IAMB	IAMB	17 43 15.7
SONM	Songino Array comp=Z,4.9nm,1.0s,baz=132,slow=4.2,SNR=17	90.28	322	P	P	17 43 01.1 -1.7
SONM				PKK	PKK	18 20 03.3 -0.8
SONM				LR	LR	18 22 08.5
SONM				PKK	PKK	18 22 08.5
SONM				LR	LR	18 22 08.5
L26K	Log Cabin Wild comp=Z,629nm,19.8s,baz=118,slow=35	90.29	18	P	P	17 43 03.0 +0.7
G08A	Pilot Rock comp=Z,41nm,1.2s	90.30	41	IAMB	IAMB	17 43 10.8
CCB	Clear Creek Bu comp=Z,2um,20.0s	90.33	16	IAMS_20	IAMS_20	18 16 32.7
YUK6	Outpost Mounta baz=225	90.36	22	P	P	17 43 04.1 +1.1
HDA	Harding Lake comp=Z,1um,20.0s	90.36	16	IAMS_20	IAMS_20	18 16 11.6
HDA	Harding Lake baz=217	90.36	16	P	P	17 43 03.3 +0.7
SPR3	Spring Creek 3 comp=Z,1um,20.0s	90.40	48	IAMS_20	IAMS_20	18 15 16.3
SKAG	Skagway baz=228	90.42	24	P	P	17 43 03.6 +0.7

25d 17h

Table with columns for station ID, name, coordinates, and other details. Includes stations like E23K Chandalar, K29M Barlow Dome, SPUT South Promonto, etc.

2017 NOV

Table with columns for station ID, name, coordinates, and other details. Includes stations like C26K Camden Bay, G30M TAOH Zrail Nji, BWO6 Boulder Array, etc.

1752

Table with columns for station ID, name, coordinates, and other details. Includes stations like BGNE Belgrade, TULO Leonard, RLO Rose Lookout, etc.

25d 19h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like SMKR Semkarok, KBTR Krutoberegovo, and YUK Yuzh-Kuril'sk.

2017 NOV

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like B21K, CAST Castle Rocks, and H11N2 WAKE ISLAND Hy.

1756

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like BRVK, BRVK Borovoye, and ARCES ARCES Array B.

1759

Table with columns: Station Name, Time, Res, and various codes. Includes stations like Kunurra, Cobar Meteorol, Oodnadatta, Stephens Creek, etc.

2017 NOV

Table with columns: Station Name, Time, Res, and various codes. Includes stations like HEH, CD2 Chengdu, HHC, BTO Baotou, etc.

25d 21h

Table with columns: Station Name, Time, Res, and various codes. Includes stations like ELIB, BDFB Brasilia, TORI Tori, etc.

1763

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSTO Kokstad, MUSN Musina, and BRAK Brakfontein.

IDC 25 22:53:51.9, 1.9, 36.87N; 140.66E, h0km, mb3.3/4, mbtmp3.3/4, Error ellipse: s-maj=40.3km s-min=25.7km az=49.0

JMA 25 22:53:53.4, 0.0, 37.0N; 0.1x140.5E; 0.2, h8km, MV3.8/20, MID FUKUSHIMA PREF

JMA Felt II J1 at MID FUKUSHIMA PREF. ISC 25 22:53:53.4, 0.9, 37.04N; 0.03; 140.55E; 0.03, h10km, 6km, n22, c069/22, mb3.4/4, 4D, Eastern Honshu

Main station list for 1763, including Fukushimafurd, Iwakimizuishi, Kawauchi, Hitachi, and others.

CNRM 25 22:54:30.5, 35.64N; 4.73W, h89km, ml2.9 IIGL 25 22:54:31.9, 35.71N; 4.69W, h25km, ML2.8

MDD 25 22:54:32.3, 0.3, 35.71N; 4.69W, h66km, 6km, Mb3.8/30, Error ellipse: s-maj=2.4km s-min=2.0km az=146.0

SFS 25 22:54:32.3, 35.69N; 4.68W, h64km, h23.3/23, ML3.1/18, MLv3.1/23

INMG 25 22:54:32.2, 1.6, 35.71N; 4.74W, h56km, 7km, ML2.7, Error ellipse: s-maj=3.3km s-min=3.1km az=91.0

ISC 25 22:54:30.4, 1.2, 35.73N; 0.03; 4.66W; 0.02, h84km, 8km, n114, c175/195, 22C, Strait of Gibraltar

Main station list for 1763, including Smir Dam, Ceuta, Pean de, Mijas, and others.

2017 NOV

Main station list for 2017 NOV, including ECAB El Cabril, ECAB Quesada, EADA Adamuz, and others.

25d 23h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OUZM Ouz, MTE Manteigas, and others.

IDC 25 23:03:46.0, 0.9, 36.56S; 95.85W, h0km, mb4.1/7, mbtmp4.2/7, MS4.5/44, Error ellipse: s-maj=36.9km s-min=23.2km az=66.0

GCMT 25 23:03:46.0, 0.1, 36.97S; 0.01; 96.33W; 0.01, h12km, MV5.2/141, Moment Tensor Solution. s18, c187;

s141, c247; Duration: 1s0 Moment tensor: Scale 10^16 Nm; Mr=1.07±.13; Mbb=0.32±.13; Mss=1.38±.13; Ml=1.41±.31; Mtr=0.03±.10; Mbr=0.06±.30; Best double couple: M9.18200x10^16 NPT; b273.00000; s88.00000; l-1.71.00000; NP2; b183.00000; s81.00000; l-2.00000; Principal axes: T: 9.6940, P: 9.6940, N: 1.0300, P: 1.0300, Azm: 253.0000; P: 8.67.10; Plg: 0.0000; Azm: 1.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 25 23:03:50.4, 1.5, 36.53S; 0.07; 96.0W; 0.2, h10km, 1km, mb4.8/88 Error ellipse: s-maj=23.3km s-min=5.7km az=243.0

ISC 25 23:03:49.8, 0.5, 36.58S; 0.09; 95.85W; 0.09, h10km, n154, c130/103, mb4.8/44, MS4.5/47, 1D, West Chile Rise

Main station list for 25d 23h, including H03S2 Juan Fernandez, H03S1 Juan Fernandez, and others.

Table of astronomical observations for 25/23h, listing stations like BOSQ, SIV, COHC, ETMB, CHSH, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2017 NOV, listing stations like DUG, ELK, BMN, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 1764, listing stations like JAYA, PMON, PEIG, etc., with columns for station name, coordinates, and observation details.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like VYHS, TANN, WERDA, GUNZ, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like TREC, TREST, ZVIV, ZVIV, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like MARR, FRGS, VIKU, etc.

IDC 25 23:17:45.7-0.6, 51°51'N, 15°92'E, h0km, mb3.6/6, mbmp3.5/14, ML3.2/8, Error ellipse: s-maj=11.9km s-min=7.1km az=104.0

LDG 25 23:17:45.8-0.2, 51°51'N, 16°05'E, h1km, MG3.8/17, Error ellipse: s-maj=9999.9km s-min=9999.9km az=99.0, Suspected Mining induced.

DNK 25 23:17:46.9-1.1, 51°55'N, 15°87'E, h13km, 95km, ML3.2 IPEC 25 23:17:46.0-0.2, 51°53'N, 16°18'E, h1km, ML3.4/5, Error ellipse: s-maj=2.0km s-min=1.1km az=37.0

BGR 25 23:17:47.3-0.5, 51°46'N, 16°12'E, h1km, ML3.5/15, Error ellipse: s-maj=6.7km s-min=2.2km az=19.0

VIE 25 23:17:48.1-0.4, 51°39'N, 16°07'E, h0km, mb3.1/20, mb3.1/7, ms3.7/2, Error ellipse: s-maj=3.1km s-min=2.2km az=34.0, 79 km WNW of Vroclaw Suspected Mining induced.

PRU 25 23:17:49.2-1.1, 51°40'N, 16°10'E, h0km ISC 25 23:17:44.2-0.5, 51°60'N, 02°16.08E, h0km, m136, a=1578/221, mb3.5/6, 7C-8D, Poland

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like KSP, KSP, KSP, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like GRF, GRF, GRF, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like MARR, FRGS, VIKU, etc.

NEIC 25 23:32:37.4-1.7, 7°57'S, 0°09', 127.93E, 0.06, h156km, 9km, mb4.3/13, Error ellipse: s-maj=13.1km s-min=8.7km az=190.0

DJA 25 23:32:37.6-0.3, 8°53'S, 12°8'E, h137km, 16km, M4.4/17, mb4.4/11, mb4.9/5, MLV4.6/17, Mw(mb)4.2/5

IDC 25 23:32:38.5-4.2, 7°63'S, 127.78E, h172km, 41km, mb3.5/8, mbmp4.1/10, Error ellipse: s-maj=4.1km s-min=19.1km az=7.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like SAUI, SAUI, SAUI, etc.

26d 2h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HOLB Holberg, PHC Port Hardy, HG4B Hotspring, etc.

ISC 26 00:54:17.3:2.3,50:53N,0:07:130:06W,0:07,h2km,15km, n41,c189/43, Vancouver Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BNDI Bandanaira, NLAI Namlea, SWI Sorong, etc.

2017 NOV

Main table with columns: ZAAO, Iamb, Iamb, 01 27 12.2, etc. Includes stations like ZALV Zalesovo Beam, KURBB Kurchatov Arra, BVAR Borovoye Array, etc.

1768

Table with columns: PVAQ, PVAQ, PVAQ, etc. Includes stations like Vaqueiros, El Granado, Castro Verde, etc.

TAP 26 02:18:03.2:24:55N:122:63E,h95km,1km,ML3.7,B JMA 26 02:18:03.3:0.1,25:N,2:122:65E,0.5,h94km,1km, MV2.8/17,NW OFF ISHIGAKIUMA IS

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like YJNG Yonagunijimaku, YJNG Yonaguni jima, YJNG Yonaguni jima, etc.

26d 4h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like U32A Winter Ranch, NOKA Wynoka, OK038 West end E0370, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like VVDA Vanda, WRA Warramunga Arr, GSPA South Pole Qui, etc.

UDC 26 03:47:45.70.9.21.05S:67.39W, h166km, 12km, mb3.7/2, mtbtp3.1/5, Error ellipse: s-maj=25.7km s-min=10.7km g2=113.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like PB09 IPOC Station P, PB09 IPOC Station P, etc.

1770

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like LVC Limon Verde, LVC Limon Verde, LVC Limon Verde, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like SNA4 Sanae, SNA4 Sanae, SNA4 Sanae, etc.

IDC 26 04:00:35.7:1.6,41'47N:141'92E,h81km,14km,mb3.3/9, mbmp3.6/12, Error ellipse: s-maj=23.7km s-min=11.0km az=106.0

JMA 26 04:00:36.2:0.1,41'5N:0.3:141'6E:0.5,h73km,MV3.2/37, E OFF AOMORI PREF

JMA Felt J1 at E OFF AOMORI PREF

ISC 26 04:00:36.1:0.8,41'46N:0.03:141'60E:0.04,h74km,6km,n36,r15148,mb3.6/6D,Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like JAHD Aomorihigashid, JOT Ohata, JARK Aomorirokkasho, etc.

IDC 26 04:15:45.1:9.7'16S:129'55E,h0km,mb3.3/2, mbmp3.1/4,ML3.0/2,MS2.8/2, Error ellipse: s-maj=113.4km s-min=28.3km az=68.0,Banda Sea

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

NOU 26 04:16:11.8,19'71S:175'46W,h225km,mb4.0/12,Tonga Islands,Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like LKBA Tubou, NIUE Niue, DZM Mont Dzumak, etc.

MDD 26 04:19:53.4:0.7,36'75N:12'52W,h30km,MB4.4/13, m_b3.9/13, Error ellipse: s-maj=5.2km s-min=4.6km az=81.0

IGIL 26 04:19:53.3,36'69N:12'61W,h31km,ML2.6

INMG 26 04:19:55.0:0.9,36'69N:12'61W,h52km,11km,ML2.8, Error ellipse: s-maj=3.8km s-min=2.6km az=87.0

CNRM 26 04:19:59.3,36'43N:11'90W,h88km,mb3.1

ISC 26 04:19:53.4:2.3,36'67N:0.05:123'W:0.1,h35km,n76,-2547/139,11C,Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like PFVI Vila Bisbo, MORF Marneite, etc.

MORF comp=E,28nm,0.1s IAML

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like PTEO Sao Teotonio, PMAFR Mafrá, PNCL Nicolau / Gran, etc.

ECAL Calabor 6.78 37 S Sn 04 22 42.5 -3.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like ECAL Calabor, PAB San Pablo, EAGO Agolada(Pontev), etc.

TAP 26 04:39:08.7,23'59N:120'73E,h15km,ML2.2,3C-2D,A, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like CHN5 Tsaling, ALS Alishan, WHYT Xinyi Township, etc.

26d 5h

Table with columns: WCS, WCHH, WCHH, SGST, SGST, WUSB, WUSB, CHN8, CHN8, EHY, EHY, TCU, TCU, TWF1, TWF1, TWF1, TWF1, SLGT, SLGT, WARBT, WARBT, WARBT, WARBT, CHGB, CHGB, EHD, EHD, EHD, EHD, HGSD, HGSD, FULB, FULB, ESL, ESL, ESL, WHP, WHP, WHP, WHF, WHF, TWQ1, TWQ1, TWQ1, TWQ1, LONT, LONT, PHUB, PHUB

TAP 26 04:39:17.9,23:59N,120:73E,h15km,ML2.4,1C,A, Taiwan

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

2017 NOV

Table with columns: STYH, SNST, SNST, CHN1, CHN1, WWF, WWF, WSL, WSL, WSF, WSF, ELDTW, ELDTW, WCS, WCS, WCHH, WCHH, SGST, SGST, SGST, SGST, CHN8, CHN8, WUSB, WUSB, OWD, OWD, EHY, EHY, TWF1, TWF1, TWF1, TWF1, EYUL, EYUL, EYUL, EYUL, SLGT, SLGT, SLGT, SLGT, WARBT, WARBT, EHD, EHD, CHGB, CHGB, EGFH, EGFH, EGFH, EGFH, HGSD, HGSD, FULB, FULB, ESL, ESL, WHP, WHP, WHF, WHF, WHF, WHF, TWQ1, TWQ1, WDJ, WDJ, WDJ, WDJ, LXIB, LXIB, LXIB, LXIB, LONT, LONT, TWG, TWG, TWG, TWG, TWGBT, TWGBT, TWGBT, TWGBT, TSMG, TSMG, TSMG, TSMG, PHUB, PHUB, PHUB, PHUB

IDC 26 05:18:30.1±0.9,3.83S,101.42E,h0km,mb4.1/13, mbmp4.1/13,MS2.6/2,Error ellipse: s-maj=41.2km s-min=14.6km az=58.0
NEIC 26 05:18:33.5±1.6,3.75S,101.41E,0.2,h29km,8km, mb4.2/1,Error ellipse: s-maj=31.4km s-min=8.1km az=7.0
DJA 26 05:18:36.1±0.8,4.3S,101.2E,h19km,7km,ML4.4/16, mb4.5/7,mb4.8/1,MLV4.4/16,MV(m)B4.1/1
ISC 26 05:18:32.6±0.6,3.75S,101.84E,0.07,h10km,n72, s=177/51,mb4.1/20,Southern Sumatara

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

1772

Table with columns: H08S2, H08S3, H08S1, H01W3, H01W2, H01W1, TAPN, RAMN, JIRN, GUN, WB0, WBO, WRA, WRA, WRA, WRA, WRAB, WRAB, WRB, WRB, WR0, WR0, DANN, DANN, PYUN, PYUN, ASAR, ASAR, ASAR, ASAR, STKA, STKA, SONM, SONM, SONM, SONM, MK31, MK31, MKAR, MKAR, KANB, KANB, KURK, KURK, KLR, KLR, ZAA0, ZAA0, ZALV, ZALV, ZALV, ZALV, H04N2, H04N1, H04N3, H04S1, H04S3, H04S2, BVAR, BVAR, ABKAR, ABKAR, PETK, PETK, BRTR, BRTR, QSPA, QSPA, TXAR, TXAR

MOS 26 05:47:27.7±1.0,34.43N,45.72E,h10km,mb4.6/20,Error ellipse: s-maj=6.6km s-min=4.0km az=101.9
IDC 26 05:47:28.4±0.6,34.61N,45.78E,h0km,mb4.2/29, mbmp4.2/42,ML4.0/12,MS3.9/37,Error ellipse: s-maj=12.6km s-min=10.4km az=165.0
GU 26 05:47:29.2±0.0,34.45N,45.95E,h10km
NEIC 26 05:47:30.4±1.6,34.49N,45.81E,0.09,h10km,1km, mb4.6/51,Error ellipse: s-maj=12.1km s-min=7.7km az=79.0
ISN 26 05:47:30.0±0.6,34.59N,45.83E,h8km,345km,ML4.2
TEH 26 05:47:31.1,34.56N,45.79E,h15km,42km,ML4.4
AZER 26 05:47:32.8±0.7,34.45N,45.87E,h10km,23km,Error ellipse: s-maj=24.5km s-min=5.1km az=12.0
AFAD 26 05:47:38.0±0.0,34.81N,45.46E,h166km,53km,MW4.5
NAO 26 05:47:42.1,35.49N,45.03E,h33km,mb4.1
ISC 26 05:47:30.3±0.5,34.57N,45.02,45.71E,0.02,h11km,2km, h11km:PP-P,n405,s2958/437,mb4.4/84,MS3.8/34,28C-2D,

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

CUKT		S	Sn	05 49 01.7 +3.6	GEM	Giv'at Ha'Em	8.46 264	P	Pb	05 49 53.9 -2.8	AGG	comp=Z,6.0nm,0.9s		pmax	pmax		
HAHT	HAKKARI	3.39 332	P	05 48 24.9 +1.4	SHM	Saham	8.49 260	P	Pg	05 49 57.9 -1.3	LOT	Lotru	19.95 310	↑P	P	P	05 52 03.1 +0.8
HAHT			Pn	05 49 06.4 +2.6	MAK	Makhachkala	8.50 9	eP	Pn	05 49 29.9 -3.3	AKASG	Malin Array Be	20.10 328	P	P	P	05 52 04.8 +1.0
QSDN	Sirdan	3.42 55	Pn	05 48 25.7 +1.9	MAK			eS	Pn	05 51 04.6 -4.5	AKASG	Malin Array Be	20.10 328	P	P	P	05 52 04.8 +1.0
IRAZ	Razeghan	3.57 75	Pn	05 48 27.1 +1.3		comp=Z,7.25nm,1.3s		pmax			AKASG	comp=Z,4.0nm,0.9s					
ISRB	Sarab	3.62 26	Pn	05 48 27.1 +1.3							AKASG	Malin Array Be	20.10 328	P	P	P	05 52 03.9 +0.1
ISHB	Shabestar	3.71 359	Pn	05 48 29.4 +1.6	MAK			MLR	MLR		AKASG	comp=Z,1.5nm,0.4s,baz=137,slow=10,SNR=16					
IHR5	Heris	3.90 16	Pn	05 48 32.2 +1.9		comp=Z,6.68nm,0.9s					AKASG	comp=Z,2.0nm,0.3s,baz=156,slow=16,SNR=2.0					05 55 46.2 -3.2
SIRT	Sirmak	3.94 319	eP	05 48 32.8 +1.9	KOZT	Kozan	8.51 293	eP	Pn	05 49 33.8 +0.3	AKASG	comp=Z,2.154nm,18.4s,baz=98,slow=41					06 01 20.9
SIRT	Sirmak	3.94 319	Pn	05 48 32.6 +1.7	MMAI	Mount Meron Ar	8.71 263	Pn	Pn	05 49 37.9 +1.5	AKASG	comp=Z,2.0nm,0.6s,baz=15,slow=5.4,SNR=5.0					
SIRT	Sirmak	3.94 319	Pn	05 48 32.8 +1.9		comp=Z,2.0nm,0.3s,baz=87,slow=19,SNR=4.4					AKBB	Malin Array Si	20.10 328	eP	P	P	05 52 04.0 +0.2
JIR1	Jirandeh	3.95 56	Pn	05 48 32.1 +1.0	MMAI			Lg	Lg	05 51 58.1	AKBB	comp=Z,2.25nm,1.1s		Iamb	Iamb	P	05 52 10.6
IMRD	Marand	4.14 360	Pn	05 48 36.3 +2.7		comp=Z,1.1nm,1.1s					AKBB	Malin Array Si	20.10 328	eP	P	P	05 52 04.1 +0.3
IMHD	Mahdasht	4.22 73	Pn	05 48 35.5 +0.9	SVSK	Karacayir	8.76 310	eP	Pn	05 49 37.4 +0.6	AKBB	comp=Z,2.28nm,1.1s					
PERV	Siirt/Pervari-	4.23 324	P	05 48 37.9 +3.1	NEUR	Neyriz	8.99 346	eP	Pn	05 49 46.1 +5.9	AKBB	comp=Z,2.28nm,1.1s					
PERV			Pn	05 49 28.0 +3.7	KBZ	Khabaz	9.40 347	iP	Pn	05 49 48.5 +2.8	AKBB	comp=Z,2.28nm,1.1s					
GEVA	Gevas	4.30 331	P	05 49 30.8 +4.6		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.1
OZAP	Van, Ozalp-Mer	4.31 342	S	05 49 34.6 -3.7	KBZ	Khabaz	9.40 347	Pn	Pn	05 49 47.6 +2.0	BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
OZAP			Sb	05 49 34.6 -3.7		comp=Z,4.8nm,1.1s,baz=215,slow=12,SNR=2.2					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
AKDM	Akdamar-Van	4.35 330	P	05 49 38.8 +3.3	KBZ	Khabaz	9.40 347	Pn	Pn	05 49 47.6 +2.0	BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
ORD	Ordubad	4.43 36	eP	05 48 41.0 +4.4	KBZ	Khabaz	9.40 347	Pn	Pn	05 49 47.6 +2.0	BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
ORD	Van		Sb	05 49 34.2 -5.4	KBZ	Khabaz	9.40 347	Pn	Pn	05 49 47.6 +2.0	BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
TVAN	TVAN	4.36 336	S	05 48 40.4 +3.7	KBZ	Khabaz	9.40 347	Pn	Pn	05 49 47.6 +2.0	BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
TVAN			Sb	05 49 28.5 +0.7	KBZ	Khabaz	9.40 347	Pn	Pn	05 49 47.6 +2.0	BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
IQOM	Qom	4.43 85	Pn	05 48 38.7 +1.0	KBZ	Khabaz	9.40 347	Pn	Pn	05 49 47.6 +2.0	BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
VAAN	Van	4.43 366	Pn	05 48 38.7 +1.0	KBZ	Khabaz	9.40 347	Pn	Pn	05 49 47.6 +2.0	BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
GRMI	Germi	4.58 22	Pn	05 48 41.9 +2.3	KVAR	Kislovodsk Arr	9.66 347	Pn	Pn	05 49 50.4 +1.1	BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK	Lerik	4.59 27	Pn	05 48 42.7 +2.9	KVAR	Kislovodsk	9.66 347	Pn	Pn	05 49 50.4 +1.1	BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,0.4s					BURAR	Buccovina Array	20.13 317	↑P	Pn	Pn	05 52 06.0 -0.2
LRK			Pn	05 48 42.7 +2.9		comp=Z,1.2nm,											

26d 5h

Table with columns: SVE, comp-Z, Time, pmax, pmax, and various station names like OJC, KSH, KSH, KSH, KSH, etc.

2017 NOV

Table with columns: ZALV, LR, LR, 06 07 48.0, and various station names like WMQ, WMQ, WMQ, GKN, DGZ, DGZ, etc.

1774

Table with columns: TSUM, NJ2, NJ2, NJ2, NJ2, and various station names like Tsumeb, Nanjing, Lobatse, etc.

CATAC 26 05:59:29.0.0.5, 13:47N-89:93W, h47km, 5km, ML3.6, Hypocentre not reviewed by the ISC

SNET 26 05:59:31.0.1.6, 13:59N-89:93W, h64km, ML3.5, GCG 26 05:59:31.0.0.8, 13:69N-89:89W, h76km, 44km, MD3.6

ISC 26 05:59:31.2.1.6, 13:55N-01:89.91W, 0:06, h62km, 13km, n25, i+21/35, 1D, El Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, h, m, s, Res, and various station names like NUBE, NUBE, NUBE, etc.

26d 6h

Table with columns: Station Name, Elevation, Azimuth, Distance, Direction, Date, Time, and other parameters. Includes stations like KLU Klutina, H21K Melozitna River, BWN Brown, etc.

2017 NOV

Table with columns: Station Name, Elevation, Azimuth, Distance, Direction, Date, Time, and other parameters. Includes stations like F24K Squaw Lake, G25K Bearman Lake, B20K Mesa River, etc.

1776

Table with columns: Station Name, Elevation, Azimuth, Distance, Direction, Date, Time, and other parameters. Includes stations like EPYK Eagle Plains, EPYK Eagle Plains, CRAG Craig, etc.

ABTX	Ablene, Hawle	53.64	82	P	P	06 16 44.3 +0.5
TUL3	Leonard	53.75	76	P	P	06 16 45.3 +0.8
OZNA	baz=312	53.90	84	Iamb	Iamb	06 16 57.8
OZonia	comp=Z,8.0nm,0.8s	53.90	91	Iamb	Iamb	06 16 59.2
HPIG	comp=Z,14nm,1.1s	53.90	91	Iamb	Iamb	06 16 59.2
NJ2	Nanjing	53.94	278	eP	P	06 16 45.5 -0.4
NJ2				sP	pP	06 16 54.0 +0.4
NJ2				pP	pwP	06 16 58.8 +0.6
NJ2	comp=Z,10.0nm,0.5s			pmax	pmax	
SAND	Sanderson	53.96	86	Iamb	Iamb	06 16 58.5
TIV	Taiyuan	53.99	287	iP	P	06 16 51.0 +4.7
TIY				pmax	pmax	
U38A	Gravette	54.24	75	Iamb	Iamb	06 17 03.3
PLPT	Palo Pinto	54.32	81	Iamb	Iamb	06 17 06.3
HDIL	Hopedale	54.49	68	P	P	06 16 48.2 -1.6
BRDY	Brady	54.95	83	Iamb	Iamb	06 17 05.5
CCM	Cathedral Cave	55.02	71	P	P	06 16 52.5 -1.2
JCT	Junction City	55.02	84	Iamb	Iamb	06 17 06.3
JCT	Junction City	55.02	84	P	P	06 16 53.5 -0.3
DRIO	Del Rio	55.26	85	Iamb	Iamb	06 16 55.5
WHTX	Lake Whitney	55.41	81	P	P	06 16 56.9 +0.3
SFIN	Lafayette	55.86	66	P	P	06 16 57.7 -1.0
VLQD	Val d'Or	55.89	54	Iamb	Iamb	06 16 59.9
FCAR	Ozark Folk Cen	55.96	74	Iamb	Iamb	06 17 14.8
MIAR	Mount Ida	56.01	76	Iamb	Iamb	06 17 16.6
MIAR	Mount Ida	56.01	76	P	P	06 16 59.8 -1.0
LYN	LuoYang	56.11	284	iP	P	06 17 02.3 +0.8
LYN				sP	pwP	06 17 16.3 +2.4
LYN	comp=Z,46nm,0.8s			pmax	pmax	
LYN	comp=Z,250nm,5.3s			pmax	pmax	
SCHO	Schefferville	56.23	43	P	P	06 17 03.1 +0.9
SCHO	comp=Z,20nm,0.9s,baz=304,slow=7.7,SNR=12			LR	LR	06 44 10.5
JMIC	Jan Mayen	56.73	7	LR	LR	06 40 46.7
833A	Chaparral WMA	56.79	85	P	P	06 17 07.0 +0.5
O48B	Farnland	57.04	65	P	P	06 17 07.1 -1.0
ZAAO	Zalesovo Array	57.30	317	P	P	06 17 08.8 -0.9
ZAAO				Iamb	Iamb	06 17 10.2
ZALV	Zalesovo Beam	57.30	317	P	P	06 17 09.2 -0.5
ZALV	comp=Z,1.8nm,0.5s,baz=49,slow=4.5,SNR=12			PcP	PcP	06 18 04.7 +1.1
ZALV	comp=Z,8.8nm,0.9s,baz=43,slow=5.3,SNR=13			LR	LR	06 43 01.9
WHN	Wuhan	57.75	280	P	P	06 17 13.5 +0.3
WHN				pmax	pmax	
WCI	Wyandotte Cave	57.77	68	P	P	06 17 11.7 -1.6
P49A	Miami Univ. Ec	57.78	66	P	P	06 17 13.5 +0.1
A74	Sharon Grove	58.16	69	Iamb	Iamb	06 17 31.2
ARCES	ARCCESS Array B	58.30	353	P	P	06 17 16.2 -0.4
ARCES	comp=Z,7.3nm,0.8s,baz=24,slow=6.6,SNR=8.0			PcP	PcP	06 18 08.4 +1.0
ARCES	comp=Z,8.1nm,1.0s,baz=1.3,slow=5.3,SNR=3.8			LR	LR	06 42 01.7
XAN	Xian	58.58	286	iP	P	06 17 19.0 -0.1
XAN				pP	pwP	06 17 33.3 +1.8
XAN	comp=Z,35nm,1.1s			LR	LR	
XAN	comp=Z,320nm,17.8s			LR	LR	
XAN	comp=Z,560nm,18.7s			LR	LR	
XAN	comp=Z,540nm,19.7s			LR	LR	
PLAL	Pickwick Lake	58.98	72	Iamb	Iamb	06 17 38.6
LVZ	Lovozero	59.04	349	eP	P	06 17 22.2 +0.4
LVZ				pmax	pmax	
DGZ	Jazzator, Alta	59.16	312	iP	P	06 17 22.0 -1.0
DGZ				pmax	pmax	
O53A	New Philadelphia	59.24	63	P	P	06 17 21.6 -1.9
GTA	Gaotai	60.08	297	eP	P	06 17 29.8 +0.3
GTA				pP	pwP	06 17 43.0 +0.9
GTA	comp=Z,12nm,0.9s			LR	LR	
GTA	comp=Z,370nm,16.7s			LR	LR	
GTA	comp=Z,400nm,16.3s			LR	LR	
GTA	comp=Z,590nm,16.3s			LR	LR	
LZH	Lanzhou	60.13	291	eP	P	06 17 30.5 +0.6
LZH				pP	pwP	06 17 39.0 +1.4
LZH	comp=Z,29nm,1.5s			LR	LR	
LZH	comp=Z,340nm,14.8s			LR	LR	
LZH	comp=Z,300nm,13.7s			LR	LR	
LZH	comp=Z,470nm,13.4s			LR	LR	
MCWV	Mont Chateau	60.41	63	P	P	06 17 29.6 -1.9
TZTN	Tazewell	60.51	67	P	P	06 17 32.7 +0.4
FPAL	Fort Payne	60.73	70	P	P	06 17 33.4 -0.4
SSPA	Standing Stone	60.79	61	P	P	06 17 34.9 +0.8
SSPA	Standing Stone	60.79	61	P	P	06 17 33.8 -0.3
LRNL	Lakeview Retre	60.98	73	P	P	06 17 35.3 -0.2
BLN	Lisbon	61.34	54	P	P	06 17 36.2 -1.6
LBH	Blacksburg	61.81	65	P	P	06 17 41.8 +0.7
PKME	Peaks-Kenny Pk	61.90	52	P	P	06 17 40.8 -0.7
F64A	Sherman	61.92	51	Iamb	Iamb	06 18 04.0
BATG	Bathurst New B	61.97	48	P	P	06 17 42.8 +0.8
KURK	Kurchatov	62.28	318	P	P	06 17 43.2 -0.6
KURK	Kurchatov	62.28	318	eP	P	06 17 43.8 -0.1
KURB	Kurchatov Arra	62.37	318	P	P	06 17 44.6 0.0
KURBB	comp=Z,14nm,0.9s,baz=42,slow=7.3,SNR=76			PcP	PcP	06 18 24.6 +0.6
KURBB	comp=Z,3.9nm,0.8s,baz=37,slow=3.5,SNR=6.1			LR	LR	06 45 57.1
HRV	Adam Dzewonski	62.77	55	P	P	06 17 46.5 -0.9
KMSC	Kings Mountain	62.77	67	P	P	06 17 47.2 -0.3
GOGA	A Godfrey	62.78	70	P	P	06 17 46.5 -1.1

PRGR	Permogore	63.21	342	eP	P	06 17 49.0 -1.0
PRGR				pmax	pmax	
WMQ	Urumsqi	63.28	308	eP	P	06 17 51.5 +0.6
WMQ				sP	sP	06 18 02.5 +0.9
WMQ				PcP	PcP	06 18 29.3 +1.4
WMQ	comp=Z,26nm,1.1s			pmax	pmax	
WMQ	comp=Z,480nm,17.5s			LR	LR	
WMQ	comp=Z,440nm,28.7s			LR	LR	
LMN	Makanchi Array	63.60	49	P	P	06 17 53.3 +0.4
MK31	Makanchi Array	63.63	313	P	P	06 17 52.3 -0.8
MK31				Iamb	Iamb	06 17 53.3
MKAR	Makanchi Array	63.63	313	eP	P	06 17 52.5 -0.6
MKAR	Makanchi Array	63.63	313	P	P	06 17 52.3 -0.8
MKAR	Makanchi Array	63.63	313	P	P	06 17 52.5 -0.5
MKAR	comp=Z,8.5nm,0.8s,baz=54,slow=6.2,SNR=65			LR	LR	06 47 48.8
BVAR	Borovyoye Array	63.68	324	P	P	06 17 53.4 +0.1
BVAR	comp=Z,2.0nm,0.7s,baz=51,slow=7.2,SNR=92			PcP	PcP	06 18 30.2 +0.9
BVAR	comp=Z,5.5nm,0.7s,baz=27,slow=3.6,SNR=4.6			LR	LR	06 48 18.0
BRVK	Borovyoye	63.69	324	P	P	06 17 53.0 -0.3
BRVK	Borovyoye	63.69	324	eP	P	06 17 53.6 +0.3
BRVK				pmax	pmax	
MAKZ	Makanchi	63.76	313	P	P	06 17 52.7 -1.2
MAKZ				Iamb	Iamb	06 17 54.1
MAKZ	comp=Z,10nm,0.9s			P	P	06 17 52.7 -1.2
MAKZ	Makanchi	63.76	313	P	P	06 17 52.7 -1.2
MAKZ				pmax	pmax	
SVE	Sverdlovsk	63.77	332	eP	P	06 17 54.1 +0.3
SVE				pmax	pmax	
ARU	Arti	64.72	332	P	P	06 18 00.2 +0.2
ARU	Arti	64.72	332	iP	P	06 17 59.7 -0.3
ARU				S	S	06 18 34.1
ARU				SS	SS	06 26 40.9 +2.8
ARU				SS	SS	06 30 49.6 +1.4
ARU	comp=Z,24nm,0.8s			LR	LR	06 51 07.7
ARU	comp=Z,198nm,18.1s,baz=33,slow=4.1			LR	LR	06 51 07.7
NHSC	New Hope	64.91	68	P	P	06 18 01.7 +0.1
NHSC				baz=317		
KLMR	Klimovskoe	65.05	344	eP	P	06 17 56.1 -6.0
KLMR				AMP	AMP	06 18 02.4
KLMR	Klimovskoe	65.05	344	eP	P	06 17 56.0 -6.1
KLMR				pmax	pmax	
GOMU	GeErliu	65.14	297	P	P	06 18 05.3 +1.7
GOMU				pP	pP	06 18 08.3 -3.0
GOMU				sP	sP	06 18 13.0 -1.4
GOMU				pmax	pmax	
GOMU	comp=Z,11nm,1.0s			LR	LR	
GOMU	comp=Z,280nm,16.9s			LR	LR	
GOMU	comp=Z,350nm,16.9s			LR	LR	
GOMU	comp=Z,460nm,16.2s			LR	LR	
KIRV	Kirov	65.18	338	eP	P	06 18 03.4 +0.5
KIRV	Kirov	65.18	338	LR	LR	06 51 01.2
KIRV	comp=Z,105nm,18.4s,baz=29,slow=4.0			LR	LR	
GYA	Guiyang	65.37	282	iP	P	06 18 05.5 +0.7
GYA				pmax	pmax	
TAOE	Nuku Hiva Isla	65.89	147	eLR	LR	06 37 41.3
TAOE	comp=Z,324nm,24.5s					
FAIO	FINES Array S	66.23	351	P	P	06 18 09.5 -0.1
FAIO	FINES Array B	66.23	351	P	P	06 18 09.5 -0.1
FAIO	FINES Array S	66.23	351	P	P	06 18 09.3 -0.4
FAIO	FINES Array B	66.23	351	P	P	06 18 09.6 -0.1
FINES	FINES Array B	66.23	351	P	P	06 18 09.6 -0.1
FINES	comp=Z,16nm,0.9s,baz=18,slow=6.6,SNR=16			LR	LR	06 51 19.0
NC204	NORSAR Array S	67.16	359	P	P	06 18 16.1 +0.4
NC204				Iamb	Iamb	06 18 17.5
NB201	NORSAR Array S	67.38	359	P	P	06 18 17.3 +0.2
NB2	NORSAR Subarra	67.39	359	P	P	06 18 17.3 +0.1
NB2	comp=Z,49nm,1.7s,baz=2.2,slow=6.5			P	P	06 18 17.3 +0.1
NB2	NORSAR Subarra	67.39	359	P	P	06 18 17.3 +0.1
NB2	comp=Z,2.2,slow=6.5			P	P	06 18 17.3 +0.1
NOA	NORSAR Array B	67.39	359	P	P	06 18 17.1 0.0
NOA	comp=Z,8.8nm,1.1s,baz=1.2,slow=6.4,SNR=8.4			LR	LR	06 50 48.6
NOA	comp=Z,91nm,18.1s,baz=355,slow=39			LR	LR	
NOA	comp=Z,8.8nm,1.1s			LR	LR	
ARXS	Arharly	67.62	314	eP	P	06 18 18.1 -0.8
HFS	Hagfors	68.26	358	eP	P	06 18 22.5 -0.1
HFS	comp=Z,7.6nm,0.7s,baz=37,slow=3.7,SNR=19			LR	LR	06 49 17.6
HFS	comp=Z,65nm,18.2s,baz=12,slow=3.7			LR	LR	
PZH	PanZhihua	68.29	285	P	P	06 18 24.0 +0.5
PZH				S	S	06 27 23.3 +0.8
PZH				pmax	pmax	
PZH	comp=Z,40nm,1.0s			pmax	pmax	
PZH	comp=Z,130nm,4.1s			LR	LR	
PZH	comp=Z,180nm,15.9s			LR	LR	
PZH	comp=Z,160nm,15.7s			LR	LR	
DAV	Davao City (W)	68.53	253	LR	LR	06 44 18.3
DAV	Ala-Archa	68.53	253	LR	LR	06 44 18.3
DAV	Kunming	68.72	284	iP	P	06 18 26.8 +0.5
KMI				pP	pP	06 18 34.8 +0.7
KMI				sP	sP	06 18 38.8 +1.7
KMI				pmax	pmax	
TKM2	Tokmak 2	69.63	314	P	P	06 18 32.4 +0.7
TKM2	SNR=12			P	P	06 18 32.4 +0.7
BOOM	Boomskeoye usch	69.82	314	P	P	06 18 33.7 +0.9
BOOM	Boomskeoye usch	69.82	314	P	P	06 18 33.7 +0.9
BOOM				pmax	pmax	
BOOM	comp=Z,233nm,0.8s			pmax	pmax	
USP	Ospenovka	69.84	315	P	P	06 18 33.0 +0.3
USP	SNR=18			P	P	06 18 33.0 +0.3
CHMS	Chumysh	69.94	315	P	P	06 18 33.9 +0.5
CHMS	SNR=6			LR	LR	06 52 48.2
AKTO	Aktymbinsk	70.07	329	LR	LR	06 52 48.2
AKTO	comp=Z,192nm,19.3s,baz=44,slow=39			P	P	06 18 35.2 +0.5
AKTO	Karagaybulak	70.13	314	P	P	06 18 35.2 +0.5
AAK	Ala-Archa	70.35	315	P	P	06 18 36.5 +0.5
AAK	SNR=8.3			P		

Table with columns: MEM, BTNL, PVCC, PIVCC, RICCV, OJC, DPC, DPC, BCLA, WERD, BGES, GUNZ, BMRD, WERN, NKC, NKC, KRLC, KRLC, NIL, NIL, NIL, RCHB, DOU, GIVF, BAIF, OKC, OKC, PRU, PRU, MANZ, MORC, MORC, MORC, STHS, STHS, GRA1, GRA1, MAUC, KOLS, KOLS, KOLS, LANS, LANS, LANS, LANS, LDF, GEC2, GEC2, GEC2, GEC2, CKRC, CKRC, VYHS, VYHS, GRR, BUR08, MAK, MAK, MAK, BURAR, BURAR, TTSI, BFO, ECH, ECH, ECH, ECH, KIV, KIV, KIV, KIV, CONA, KBZ, KBZ, KBZ, MOA, BIOA, UEBR, UEBR, GEYT, GEYT, GEYT, GY0A0, ARSA, MARR, MOTA, WATA, WATA, WTTA, SQT, SSF, KBA, FETA, MFF, AVF, SOKA

Table with columns: BKSI, SMF, FOBKA, OKBA, MLR, TCF, TUE, SURR, ZRR, GZR, LPL, LFF, GINI, GINI, BBSI, PBRG, WRA, TWSI, BRTR, BRTR, BRTR, SRS, GRG, PCAS, PCBR, PSBE, SDC, ESDC, PESTR, PTBC, PNCN, GUYZ, SDV, PBAR, PCVE, AS31, ASAR, ASAR, MORF, RUSC, RUSC, ORTC, URZ, PCRV, IDI, MMAI, MMAI, STKA, WSAR, MDT, RPN, RPZ, KMBO, CPUB, PLCA, QSPA, MAW, BOSA, Code, Station Name, Az, Az', Phase ID, h, m, s, Res, ISC

Table with columns: SDV, TEIG, LPIG, QSPA, QSPA, BDFB, VVDA, URZ, PCRV, RPZ, TXAR, SNAC, MDP, NVAR, TKL, YBH, PDAR, MAW, MAW, MAW, H01W1, H01W2, H01W3, AKASG, BONN, SRR, CMAR, ZALV, BVAR, IDC 26 06:25:19.71, IDC 26 06:37:11.6, CATAC 26 06:37:11.6, SNET 26 06:37:12.0, CGC 26 06:37:14.7, ISC 26 06:37:13.0, Code, Station Name, Az, Az', Phase ID, h, m, s, Res, ISC

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like UPC Upice, KHC Kasperske Hory, and various FM and AM stations.

CATAC 26 10:24:41.40.0.12.71N-88.66W, h37km, 11km, ML4.6, Hypocentre not reviewed by the ISC

IDC 26 10:24:41.5.1.9.13.00N-88.26W, h55km, 17km, mb3.8/11, mbtmp4.1/14, ML3.9/3, MS3.4/9, Error ellipse: s-maj=35.2km s-min=10.2km az=50.0

NEIC 26 10:24:42.8.1.8.12.77N-0.08.88.58W, 0.07, h64km, 9km, mb4.4/72, Error ellipse: s-maj=13.0km s-min=7.5km az=219.0

SNET 26 10:24:42.5.1.6.12.78N-88.67W, h40km, ML4.6, GCG 26 10:24:44.2.0.7.13.35N-88.86W, h175km, 53km, MD4.2

ISC 26 10:24:41.6.0.8.12.70N-0.06.88.65W, 0.04, h63km, 7km, n291, s19.0/312, mb4.4/34, 1D, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Lists stations like LCY Lacayo, TECA Tecapa, RANC El Ranchito, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SCLA, LFRS El Faro, LALI Alcaldia de L, and various FM and AM stations.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MSHP, APYN Apoyeque, OCON Estacion meteo, and various FM and AM stations.

26d 10h

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like VBMS Vicksburg, NATX Nacogdoches, 435B Jarrell, 146A Union, DRIO Del Rio, 152A Waverly Hall, LRLAL Lakeview Retre, 247A Carrollton, JCT Junction City, BAUV El Baul, BRDY Brady, Z41A Richland Creek, WHTX Lake Whitney, GOGA Godfrey, Y49A Blount Mountain, SAND Sanderson, Y52A Libburn, OZNA Ozona, TXAR Lajitas Array, TXAR Lajitas Array, TX32 OXF, NHSC New Hope, PLPT Palo Pinto, MIAR Mount Ida, HODGE Abilene, Hawle, ALPN Alpine, JSC Jenkinsville, MNHN Monahans, W52A Murphy, WHAR Woolly Hollow, WFTS Wichita Falls, SN01 Snyder 1, TKL Tuckaleechee C, TKL Tuckaleechee C, FCAR Ozark Folk Cen, KMSC Kings Mountain, WVT Waverly, LCAR Lake Charles, WMOK Wichita MOUNTA, WMOK Wichita MOUNTA, TUL3 Leonard, TZTN Tazewell, MNTX Cormus Mount, U54A Nelsons Funny, V58A Windy Hill, P1, SMWD Samnorwood, MSTX Muleshoe, AMTX Amarillo, S39A Bolivar, CCM Cathedral Cave, CCM Cathedral Cave, BLA Blacksburg, WCI Wyandotte Cave, WCI Wyandotte Cave, R40A Maddies Statio, 121A Cookes Peak, Q51A Peebles, RTBA Rita Blanca, Y22D IRIS PASCALLI, Y22F Pascall Instru, NNA Nana, ANMO Albuquerque, P52A Corning, CBKS Cedar Bluff, MCWV Mont Chateau

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Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like T25A Trinidad, TUC Tucson, O53A New Philadelph, KSCO Kaye Shedlock, SDCO Great Sand Dun, SSPA Standing Stone, SSPA Standing Stone, SSPA Standing Stone, S22A 4UR Ranch, S22A 4UR Ranch, JFWS Jewell Farm, MVCO Mesa Verde, MVCO Mesa Verde, OGNE Ogallala, WUAZ Wupatki, WUAZ Wupatki, ISCO Idaho Springs, ISCO Idaho Springs, K30B Basset, ETMB Extrema, ECSD EROS Data Cent, N23A Red Feather La, BC3 Big Chuckawall, O20A White River Ci, O20A White River Ci, SPMM Marine on St, SPMM Marine on St, K22A Casper, BW06 Boulder Array, PDAR Pinedale Array, PDAR Pinedale Array, LPAZ La Paz, AGMN Agassiz Nation, AGMN Agassiz Nation, REDW Red Top Meadow, MDND Maddock, NVAR Mina Array Bea, NVAR Mina Array Bea, LAO LASA Array, ULM Lac du Bonnet, ULM Lac du Bonnet, HLID Hailey, DGMT Dagmar, DGMT Dagmar, VILB Vilhena, BOZ Bozeman (W), ELMT Eliston, ELMT Eliston, ELMT Egleton, ELMT Egleton, SIV San Ignacio, SIV San Ignacio, MSO Missoula, NEW Newport, FFC Flin Flon, FFC Flin Flon, RPN Rapa Nui, EDM Edmonton, SCHO Schefferville, H03N2 Juan Fernandez, H03N1 Juan Fernandez, H03N3 Juan Fernandez, BDFB Brasilia, CPUP Villa Florida, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, DLBC Dease Lake, DLBC Dease Lake, P32M Atlin, P29M Windy Craggy, M29M Somme Creek, L29M L29M, I30M Mount Dempster, G31M Satah River, G31M Satah River, RES Resolute Bay, RES Resolute Bay, F31M Tsigehtchic, F31M Tsigehtchic, I29M Ogilvie Camp, EPYK Eagle Plains, L27K Beaver Creek, INK Inuvik, G30M Aoh Zrail Nji, F30M Barr River, EYAK Cordova Ski Ar, A36M Sae Harbour, G29M Pine Creek

1784

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like HARP HAARP, I27K Kandik River, J26L Joseph Creek, E29M Blow River, H27K Steamboat Moun, PAX Paxson, I26K Coal Creek Min, F28M Old Crow, F28M Old Crow, G27K Doyon Strip, M23K Glacier View, E28M Babbage River, E28M Babbage River, J25K Salcha River, D28M Stokes Point, E27K Coleen River, G26K Porcupine River, ILAR Eielson Array, D27M Malcolm River, F26K Sheenjek River, Q20K Shuyak Island, G25K Bearman Lake, SII Sitkinak Island, F25K Christian River, E25K Arctic Village, R18K Kanyuk, BPAW Bear Paw Mtn, H23K Yukon River, C26K Camden Bay, MLY Manley, COLD Coldfoot, E23K Chandalar, PMSA Palmer Station, NOA NORSAR Array B, TOAO Torodi Arr, TOAO Torodi Arr, ELIB Princess Elisa, WRA Warramunga Arr, ASAR Alice Springs, PZH Panzhihua, CMAR Chang Mai Arr, NNC 26:10:58:47.8:3.2,38:88Nk:72:59E, Error ellipse: s-maj=24, lkm s-min=15.8km az=168.0, SOME 26:10:58:48.3,38:97N-72:72E, h10km, ISC 26:10:58:51.3:3.3,38:9N:02:72:54E:0:07,h31km,n20, e1985/21,5C-10,Tajikistan, Code Station Name, A° AZ° Phase ID, Time Res, h m s ISC

1785

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

IDC 26 11:29:34.5:1.6,146S,128°58E,h0km,mb3.9/4, mbtmp3.8/5,ML3.7/1, Error ellipse: s-maj=155.8km s-min=2.1km az=70.0, Halmahera

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

IDC 26 11:32:53.9:1.0,28°14'N,139°80'E,h412km,10km, mb3.4/17, mbtmp4.1/22, Error ellipse: s-maj=23.1km s-min=10.1km az=81.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CBUJ, JCJ, JHH2, etc.

UPA 26 11:33:15.7:1.8,9°20'N,84°40'W,h10km,12km,MW4.8 CATAC 26 11:33:16.0:1.4,9°25'N,84°29'W,h5km,3km,ML4.0

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

2017 NOV

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LCR2, CDM, CDM, etc.

DNK 26 11:42:10.3:2.7,60°43'N,58°20'W,h36km,87km,ML2.0 OTT 26 11:42:12.0:0.2,60°80'N,58°01'W,h18km,ML4.1/7,376km

ISC 26 11:42:06.7:0.8,60°77'N,0°05.58'W,0°06,h10km,n18, s=381/32, Davis Strait

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

26d 12h

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

IDC 26 12:20:45.2:1.3,6°28'N,124°38E,h0km,mb3.4/3, mbtmp3.4/3,MS3.7/1, Error ellipse: s-maj=29.2km s-min=15.5km az=133.0, Mindanao

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

IDC 26 12:23:13.9:4.3,17°28'N,101°16'W,h0km,mb3.9/5, mbtmp3.8/8,ML3.3/3,MS3.5/4, Error ellipse: s-maj=89.7km s-min=31.6km az=25.0

MEX 26 12:23:14.8:0.9,17°08'N,101°52'W,h17km,61km,MD4.6 NEIC 26 12:23:15.1:2.0,17°20'N,0°03:101°32'W,0.06,h22km,9km, mb4.1/25,MS4-6/14(MEX), Error ellipse: s-maj=8.0km

ISC 26 12:23:15.0:1.3,17°18'N,0°06:101°29'W,0.04,h17km,7km, n58,r130/65,mb4.1/10,MS3.9/3,Near coast of Guerrero

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

H06E1 SOCORRO T-PHAS 9.31 281 T T 12 35 07.8

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

FW13 Cleburne 15.50 12 P Iamb 12 26 54.4 +1.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SN01, SN01, SN01, etc.

26d 13h

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other technical details. Includes stations like PTBC PUERTO BERRIO, CRUC La Cruz, FLOEC Florencia, etc.

2017 NOV

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other technical details. Includes stations like TUC Tucson, SDCO Great Sand Dun, EYMN Ely, etc.

1788

Table with columns: Code, Station Name, Time, Azimuth, Elevation, Frequency, and other technical details. Includes stations like E0S2 E0S2, JYNG Grass Mountain, etc.

TAP 26 13:51:05.0 24.73N, 122:50E h16km ML2.9 D
JMA 26 13:51:05.0 24.73N, 122:50E h16km ML2.9 D
MV2 4/12 NW OFF ISHIGAKIJIMA IS
ISC 26 13:51:04.6 24.73N, 122:53E 0:02, h7km, 10km,

26d 14h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like FUG Fuego 3, YORHN Yoro, IZABA Izabal, Puerto, etc.

2017 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CTCR comp=Z,7um,1.0s, CTCR comp=Z,710nm,1.0s, etc.

1790

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like FW07 Weatherford, TX32 Lajitas Array, TXAR comp=Z,21nm,0.8s, etc.

KAN17	Caldwell West	25.54	343	I	Amb	14	19	41.8
T57A	Hurt	25.56	18	I	Amb	14	20	08.2
KAN09	Caldwell North	25.58	343	I	Amb	14	19	42.3
KAN05	Bluff City Nor	25.63	343	I	Amb	14	19	42.4
KAN01	Argonia South	25.64	343	I	Amb	14	19	42.4
R40A	Maddies Statio	25.64	353	I	Amb	14	19	42.4
KAN08	Anthony NE Sta	25.77	343	I	Amb	14	19	44.1
CZ5B	Cruzeiro do Su	25.78	141	I	Amb	14	19	46.7
S54A	Dingess, Beckl	25.78	13	I	Amb	14	20	04.0
KAN12	Harper NE Stat	25.84	343	I	Amb	14	19	44.9
OL1L	Olney	25.88	1	I	Amb	14	19	44.5
Q44A	Meyer Farm, Va	26.05	359	I	Amb	14	19	45.9
T59A	Double "B" Far	26.08	20	I	Amb	14	20	12.8
121A	Cookes Peak, D	26.38	321	P	P	14	19	51.0 +2.2
R55A	Marlinton	26.53	15	I	Amb	14	20	19.1
Q51A	Peebles	26.58	9	I	Amb	14	19	51.6
Q52A	Bidwell	26.70	11	I	Amb	14	19	52.3
RTBA	Rita Blanca	26.78	334	I	Amb	14	19	55.9
P40A	Paris	26.84	354	I	Amb	14	19	53.2
P49A	Miami Univ. Ec	26.90	7	P	P	14	19	52.4 -0.8
Y22D	IRIS PASSCAL I	26.97	325	P	P	14	19	56.1 +1.9
Y22F	Pascal Instru	26.97	325	P	P	14	19	55.6 +1.5
P51A	Williamsport	27.07	9	I	Amb	14	19	55.2
R32A	Long Quarter	27.09	342	I	Amb	14	19	56.6
P38A	Dawn	27.11	352	I	Amb	14	19	55.8
KSU1	Kansas State U	27.18	346	I	Amb	14	19	59.8
DUN6	Lazy B Ranch	27.20	320	I	Amb	14	20	04.2
NNA	Nana	27.22	154	LR	LR	14	20	43.5
CBN	Corbin Frederi	27.26	20	I	Amb	14	19	58.0
CBN	Corbin Frederi	27.26	20	P	P	14	19	57.0 +0.6
O44A	Mansfield	27.29	0	I	Amb	14	19	56.8
ANMO	Albuquerque	27.37	327	P	P	14	19	58.4 +0.7
ANMO	Albuquerque	27.37	327	P	P	14	19	59.4 +1.6
ANMO	Albuquerque	27.37	327	LR	LR	14	33	43.3
P52A	Corning	27.38	11	I	Amb	14	20	01.0
P52A	Corning	27.38	11	P	P	14	19	57.6 +0.1
P53A	Whipple	27.38	12	I	Amb	14	19	58.8
SFIN	Lafayette	27.55	3	I	Amb	14	19	58.7
SFIN	Lafayette	27.55	3	P	P	14	19	57.9 -1.1
O48B	Farmland	27.57	6	P	P	14	19	59.9 -1.3
O49A	Covington	27.59	7	I	Amb	14	19	59.3
HD1L	Hopedale	27.70	359	P	P	14	20	00.3 -0.1
CBK3	Cedar Bluff	27.77	341	P	P	14	20	01.2 +0.2
ACSO	Alum Creek Sta	27.82	9	I	Amb	14	20	02.3
ACSO	Alum Creek Sta	27.82	9	P	P	14	20	01.2 -0.2
MCWV	Mont Chateau	27.90	15	P	P	14	20	02.1 -0.1
O52A	Adamsville	27.90	11	I	Amb	14	20	02.8
N41A	Harden Midland	27.91	356	I	Amb	14	20	02.6
T25A	Trinidad	28.10	333	P	P	14	20	05.2 +0.9
TUC	Tucson	28.14	317	P	P	14	20	06.3 +1.8
O53A	New Philadelph	28.16	12	I	Amb	14	20	07.3
O53A	New Philadelph	28.16	12	P	P	14	20	04.4 0.0
P57A	Homestead Farm	28.23	18	I	Amb	14	20	07.2
O54A	Avela	28.27	13	I	Amb	14	20	06.5
N53A	Lisbon	28.77	12	I	Amb	14	20	13.8
KSC0	Kaye Sheedok	28.95	337	P	P	14	20	12.4 +0.7
SDCO	Great Sand Dun	29.09	332	P	P	14	20	14.5 +1.3
L40A	Anamosa	29.29	356	I	Amb	14	20	15.9
214A	Organ Pipe Nat	29.30	315	P	P	14	20	16.2 +1.5
SPPA	Standing Stone	29.33	17	P	P	14	20	15.6 +0.7
W18A	Petrified Fore	29.34	323	P	P	14	20	17.0 +1.8
M53A	Wi Miller and	29.41	12	P	P	14	20	15.2 -0.3
S22A	4UR Ranch, Cre	29.72	330	I	Amb	14	20	22.0
S22A	4UR Ranch, Cre	29.72	330	P	P	14	20	19.5 +0.8
BGNE	Belgrade	29.74	345	P	P	14	20	18.9 +0.4
AAM	Ann Arbor	29.75	7	I	Amb	14	20	19.7
JFWS	Jewell Farm	30.08	358	I	Amb	14	20	38.2
JFWS	Jewell Farm	30.08	358	P	P	14	20	21.5 0.0
MVCO	Mesa Verde	30.16	327	I	Amb	14	20	26.3
MVCO	Mesa Verde	30.16	327	P	P	14	20	23.8 +1.3
OGNE	Ogallala	30.44	340	I	Amb	14	20	26.6
OGNE	Ogallala	30.44	340	P	P	14	20	25.6 +0.7
WUAZ	Wupatki	30.59	322	P	P	14	20	27.3 +1.0
ISCO	Idaho Springs	30.83	334	I	Amb	14	20	31.8
ISCO	Idaho Springs	30.83	334	P	P	14	20	29.8 +1.2
SMCO	Snowmass	30.93	332	I	Amb	14	20	32.6
PAL	Palisades	30.96	22	P	P	14	20	27.7 -1.5
I42A	Draeger Farm	31.03	360	I	Amb	14	20	29.6
BINY	Binghamton	31.13	18	P	P	14	20	33.3 +0.7
PDMC1	Parker Dam, Lak	31.58	317	P	P	14	20	36.4 +1.6
ETMB	Extrema	31.60	134	P	P	14	20	35.6 +0.4
ETMB	Extrema	31.60	134	I	Amb	14	20	38.1
ECS0	EROS Data Cent	31.63	349	P	P	14	20	34.2 -1.0
N23A	Red Feather La	31.88	335	I	Amb	14	20	40.0
N23A	Red Feather La	31.88	335	P	P	14	20	39.2 +1.5
HMU	Henry Mountain	31.90	326	I	Amb	14	20	48.2

SWSC	Sam W. Stewart	31.95	313	P	P	14	20	40.2 +2.1
IKP	In-Ko-Pah, Jac	32.01	313	P	P	14	20	41.6 +2.8
PHWY	Pilot Hill	32.02	336	I	Amb	14	20	41.3
BC3	Big Chuckawall	32.09	315	P	P	14	20	41.3 +1.8
IRM	Iron Mountain	32.16	316	P	P	14	20	41.2 +1.2
O20A	White River Ci	32.28	331	P	P	14	20	43.5 +2.3
PKCU	Pink SNI=53	32.44	323	I	Amb	14	20	46.7
SPMM	Marine on St	32.56	355	P	P	14	20	42.6 -0.7
SRU	San Rafael	32.64	327	I	Amb	14	20	47.9
BELC	Belle Mtn. Jos	32.66	315	P	P	14	20	45.0 +0.5
PFPO	Pinon Flats	32.76	314	P	P	14	20	46.6 +1.2
TPFO	Pinyon Flats O	32.77	314	P	P	14	20	47.7 +2.3
SUSD	Miller	32.80	346	P	P	14	20	45.5 +0.1
109C	Camp Elliot, M	32.85	312	P	P	14	20	47.6 +1.6
GMRC	Granite Mounta	32.87	316	P	P	14	20	48.5 +2.2
P18A	Preston Nutter	32.88	328	I	Amb	14	20	49.8
SADO	Sadowa	32.92	12	LR	LR	14	33	26.5
SAML	Samuel	32.92	129	P	P	14	20	48.9 -0.5
SAML	Samuel	32.92	129	P	P	14	20	49.3 -0.1
SAML	Samuel	32.92	129	pP	pP	14	21	03.5 -0.5
SAML	Samuel	32.92	129	sP	sP	14	21	10.4 -0.5
SAML	Samuel	32.92	129	PcP	PcP	14	23	32.5 +1.5
RDMU	Red Mountain	33.26	330	I	Amb	14	20	54.4
F36A	Milaca	33.26	354	I	Amb	14	20	49.2
MURC	Murieta	33.28	313	P	P	14	20	50.7 +0.9
K22A	Casper	33.59	336	I	Amb	14	20	55.2
K22A	Casper	33.59	336	P	P	14	20	53.1 +0.6
MPU	Maple Canyon	33.88	327	I	Amb	14	20	58.3
GSC	Goldstone, Bar	33.94	316	P	P	14	20	57.4 +1.8
RSSD	Black Hills	33.94	340	P	P	14	20	56.2 +0.6
RSSD	Black Hills	33.94	340	I	Amb	14	20	58.9
RSSD	Black Hills	33.94	340	P	P	14	20	57.1 +1.5
RSSD	Black Hills	33.94	340	PcP	PcP	14	23	32.7 -0.2
BFSC	Mount Baldy Ra	33.95	314	P	P	14	20	57.2 +1.5
LONY	Lake Ozonia	33.95	18	P	P	14	20	55.5 0.0
CTU	Camp Tracy	34.44	328	I	Amb	14	21	03.0
EDW2	Edwards Air Fo	34.52	315	P	P	14	21	01.7 +1.1
TPNV	Topogh Spring	34.53	319	P	P	14	21	02.9 +2.1
TCUT	Toone Canyon	34.58	329	I	Amb	14	21	05.7
DUG	Dugway, Toole	34.64	326	P	P	14	21	04.2 +2.5
FURC	Furnace Creek,	34.65	318	P	P	14	21	03.6 +2.1
SNC	San Nicolas Is	34.79	311	P	P	14	21	05.1 +2.3
MPMC	Manual Prospec	34.82	317	P	P	14	21	05.0 +1.7
BW06	Boulder Array	34.97	333	P	P	14	21	05.0 +0.5
PDAR	Pinedale Array	34.97	333	P	P	14	21	04.8 +0.3
PDAR	Pinedale Array	34.97	333	PcP	PcP	14	23	35.8 -0.1
PDAR	Pinedale Array	34.97	333	ScP	ScP	14	23	38.0 +1.5
PDAR	Pinedale Array	34.97	333	LR	LR	14	36	23.5
R11B	Troy Canyon, C	34.99	322	P	P	14	21	06.7 +2.0
HWUT	Hardware Ranch	35.02	329	I	Amb	14	21	08.4
ARVC	Arvin	35.23	314	P	P	14	21	08.0 +1.3
LPAZ	La Paz	35.26	144	P	P	14	21	08.4 +0.7
LPAZ	La Paz	35.26	144	P	P	14	21	08.4 +0.7
LPAZ	La Paz	35.26	144	P	P	14	21	08.6 +0.9
LPAZ	La Paz	35.26	144	pP	pP	14	21	07.0 0.0
ISABELLA	Isabella, Lake	35.27	315	P	P	14	21	10.2
BGU	Big Grassy Mou	35.28	327	I	Amb	14	21	10.2
GRAC	Grapevine Rang	35.28	318	P	P	14	21	08.6 +1.5
CWC	Cottonwood Cre	35.43	317	P	P	14	21	

26d 14h

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Power, etc. Includes stations like RES Resolute Bay, DAWY Dawson, F31M Tsightechic, etc.

2017 NOV

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Power, etc. Includes stations like MLY Manley, M20K Styx River, Q18K Katmai Hardscr, etc.

1792

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Power, etc. Includes stations like DRK Karamyk, DRK Arslanbob, SFK Sufi-Kurgan, etc.

KRNET 26 14:17:46.8±0.1, 39°01'N:72°53'E, h17km, mb3.4
SOME 26 14:17:50.4, 39°23'N:72°08'E, h15km
NNC 26 14:17:52.1±3.1, 39°02'N:72°28'E, h6km±12km, mb3.9, mpv3.5, Error ellipse: s-maj=28.8km s-min=16.4km az=154.0
ISC 26 14:17:47.3±0.2, 39°00'N:72°55E±0.03, h10km, n52, c±209/74, 32C-13D, Kyrgyzstan

Table with columns: KTBS, Karatebo, 5.63, 32, ePg, Pg, 14 19 35.0 0.0

BGR 26 14:20:34.2, 15:85S:-172:78W, h134km, 2km

NEIC 26 14:20:40.2, 2.7, 16:59S:0:09, 173:9W:0.1, h103km, 7km

NOU 26 14:20:42.3, 16:55S:-173:53W, h157km, mb5.1/54, Tonga Islands

DC 26 14:20:42.2, 0.8, 16:58S:174:06W, h120km, 6km, mb4.3/19

GCMT 26 14:20:46.2, 0.2, 16:53S:0:02, 173:56W:0.01, h137km, 2km, MW5, 1/12, Moment Tensor Solution

ISC 26 14:20:40.3, 0.4, 16:72S:0:05, 173:91W:0.04, h107km, 3km, h108km, p-P, n707, 0.1920/639, mb4.9/135, 26C-38, Tonga Islands

Main table for station data, columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

Main table for station data, columns: DSZ, Denniston Nort, 27.80, 203, Iamb, Iamb, 14 26 24.3

Main table for station data, columns: DRV, Dumont d'Urville, 58.20, 200, P, P, 14 30 23.9 +1.2

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like D27K Doyon Strip, D22K Ayikyak River, C21K Knifeflade Rid, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like NACGM Naroch, EKA Eskdalemill Ar, AKASG Malin Arry Bay, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WATA Walderalm, MOTA Moosalm, WTTA Wattenberg, etc.

SJA 26 14:46:11.4+0.6, 20:82Sx69.14W, h92km, 3km, ML3.4

GUC 26 14:46:13.3+0.8, 20:82Sx69.09W, h84km, 4km, ML3.4

ISC 26 14:46:14.3+1.3, 20:79Sx02.6919W, 0.05, h80km, 9km, n37, r156/67, 6C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Resolution. Includes stations like PB01 IPOC Station P, PB01 IPOC Station P, etc.

26d 16h

Table with 4 columns: PB16, IPOC Station P, 2.46 353 eP, Pn, 14 46 52.5 -0.4

IDC 26 14:50:54.0, 5.0, 26.32S, 71.78E, h0km, mb3.9/11, mbtm3.9/11, MS3.4/2, Error ellipse: s-maj=31.6km

NEIC 26 14:50:56.8, 1.1, 26.2S, 0.2, 71.9E, 0.3, h11km, 7km, mb4.3/8, Error ellipse: s-maj=38.9km s-min=25.9km

ISC 26 14:50:55.9, 0.2, 26.3S, 0.2, 71.8E, 0.2, h10km, n39, c09025, mb4.1/16, Mid-Indian Ridge

Main table for 26d 16h section, columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC

TUL 26 15:06:39.0, 0.2, 36.113N, 0.008, 97.87W, 0.01, h7km, 5km, ML2.3, mb_Lg2.213(NEIC), ML2.5, 66(NEIC), Error ellipse: s-maj=1.3km s-min=1.0km az=132.0

NEIC 26 15:06:39.6, 0.2, 36.112N, 0.008, 97.86W, 0.01, h5km, 5km, mb4.1/3, Error ellipse: s-maj=1.4km s-min=1.0km az=132.0, Oklahoma

Main table for 26d 16h section, columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC

2017 NOV

Main table for 2017 NOV section, columns: QUOK, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC

IDC 26 15:55:40.8, 1.3, 5.93S, 130.47E, h0km, mb4.0/6, mbtm3.9/8, ML4.0/2, Error ellipse: s-maj=58.1km

NEIC 26 15:55:55.9, 2.6, 6.30S, 0.07, 130.4E, 0.1, h158km, 9km, mb4.1/3, Error ellipse: s-maj=20.3km s-min=10.6km az=88.0

ISC 26 15:55:55.4, 0.7, 6.38S, 0.07, 130.4E, 0.1, h150km, m23, c1567/25, mb3.9/8, Banda Sea

Main table for 2017 NOV section, columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC

1796

Main table for 1796 section, columns: DZM, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
NVAR	comp-Z,0.1nm,0.3s,baz=251,slow=4.7,SNR=1.5						
NJ2	Nanjing	79.61	309	eP		16 49 12.5 +2.0	
NJ2				eP		16 50 32.5 -3.6	
NJ2				sP		16 51 09.5 -6.3	
NJ2	comp-Z,7.0nm,0.5s			pmax			
MDJ	Mudanjiang	79.85	324	P		16 49 10.8 -0.6	
MDJ				pmax			
MDJ	comp-Z,7.0nm,1.7s			pmax			
O18K	Koktuh Hills	80.70	11	P		16 49 16.1 +0.5	
L16K	Owhat River	81.78	8	P		16 49 22.4 +1.2	
L16K				IAMB		16 49 22.6	
K17K	Iditarod	82.91	9	P		16 49 28.2 +1.3	
K17K				IAMB		16 49 30.0	
PWL	Port Wells	83.02	14	P		16 49 27.8 +0.3	
PWL				IAMB		16 49 28.5	
SUA	Susitna One	83.04	12	P		16 49 27.8 0.0	
SUA				IAMB		16 49 30.6	
KNK	Knik Glacier	83.48	13	P		16 49 30.5 +0.7	
KNK				IAMB		16 50 10.2	
GHO	Glory Hole Cre	83.70	13	P		16 49 31.2 +0.1	
CUT	Chulitna	84.00	12	P		16 49 32.3 -0.1	
WAX	Waxell Ridge	84.01	16	P		16 49 33.3 +0.7	
SCM	Sheep Creek Mo	84.11	14	P		16 49 33.4 +0.3	
VRDI	Verde Repeater	84.51	16	P		16 49 35.5 +0.2	
VRDI				IAMB		16 49 37.1	
N25K	Chitina, Valde	84.55	15	P		16 49 35.7 +0.4	
N25K				IAMB		16 49 37.0	
HEH	Heihe	84.55	328	eP		16 49 35.8 +0.4	
CAST	Castle Rocks	84.57	17	P		16 49 34.8 -0.5	
CAST				IAMB		16 49 35.5	
GLB	Gilghina Butte	84.60	15	P		16 49 35.5 -0.1	
GLB				IAMB		16 49 44.1	
M24K	Tolson, Glenn	84.61	14	P		16 49 36.5 +0.9	
LOGN	Logan Glacier	84.82	17	P		16 49 37.3 +0.6	
LOGN				IAMB		16 49 39.5	
BARN	Barnard Glacie	84.84	16	P		16 49 37.4 +0.5	
BARN				IAMB		16 49 38.6	
CTGM	Chitina Glacie	84.85	17	P		16 49 37.3 +0.5	
KTH	Kantishna Hill	84.91	11	P		16 49 36.5 -0.5	
KTH				IAMB		16 49 37.1	
TRF	Thorofore Moun	84.92	12	P		16 49 36.9 -0.3	
RND	Reindeer	85.18	12	P		16 49 38.7 +0.3	
DHY	Denali Highway	85.20	13	P		16 49 38.4 -0.1	
DHY				IAMB		16 49 50.4	
LYN	LuoYang	85.50	309	↑P		16 49 42.0 +1.5	
LYN				pmax			
TXAR	Lajitas Array	85.65	57	P		16 49 43.9 +2.4	
TXAR	Lajitas Array	85.65	57	P		16 49 43.7 +2.2	
TXAR	comp-Z,2.6nm,0.9s,baz=222,slow=7.2,SNR=24			pP		16 51 07.4 -0.2	
WRH	Wood River Hill	86.29	12	P		16 49 43.4 -0.2	
WRH				IAMB		16 49 44.5	
HDA	Harding Lake	86.47	13	P		16 49 44.4 -0.1	
HDA				IAMB		16 49 45.9	
CCB	Clear Creek Bu	86.50	12	P		16 49 44.1 -0.5	
CCB				IAMB		16 49 45.7	
ILAR	Indian Mountai	86.67	9	P		16 49 45.8 +0.4	
IL31	Indian Mountai	86.80	12	P		16 49 45.6 -0.3	
ILAR	Eielson Array	86.80	12	P		16 49 45.7 -0.3	
ILAR	Eielson Array	86.80	12	P		16 49 45.5 -0.5	
ILAR	comp-Z,4.0nm,1.0s,baz=217,slow=4.8,SNR=24			pP		16 51 12.1 -0.6	
M29M	Somme Creek	86.85	17	P		16 49 47.2 +0.8	
M29M				IAMB		16 49 47.9	
G21K	Allakaket	87.20	9	P		16 49 48.5 +0.6	
J26L	Joseph Creek	87.28	14	P		16 49 49.1 +0.6	
J26L				IAMB		16 49 50.4	
M30M	Minto, Yukon	87.42	17	P		16 49 49.2 +0.1	
M30M				IAMB		16 49 50.8	
PDAR	Pinedale Array	87.42	43	P		16 49 50.5 +0.6	
PDAR	comp-Z,3.0nm,0.7s,baz=249,slow=4.0,SNR=3.6			pP		16 49 50.5 +1.2	
L29M	L29M	87.47	17	P		16 49 50.5 +1.2	
L29M				IAMB		16 49 51.6	
XAN	Xi'an	87.97	302	P		16 49 53.8 +1.7	
XAN				pmax			
EGAK	Eagle	88.07	15	P		16 49 52.4 +0.4	
EGAK				IAMB		16 49 53.6	
ELIB	Princess Elisa	88.10	186	dP		16 49 52.1 -0.4	
ELIB				pP		16 51 24.6 +2.9	
ELIB				sP		16 52 01.3 +3.0	
FARO	Faro, Yukon	88.17	19	P		16 49 53.4 +0.8	
K29M	Barlow Dome	88.23	16	P		16 49 53.4 +0.4	
K29M				IAMB		16 49 55.0	
HHC	Hu-ho-hao-te	88.95	314	eP		16 49 57.3 +0.4	
HHC				pmax			
HHC	comp-Z,32nm,0.8s			AMB			
B30M	Burnt Mountain	89.58	12	P		16 49 60.0 +0.9	
BTO	Mount Dempster	89.63	16	P		16 49 58.8 -0.7	
BTO	Baotou	89.90	313	eP		16 50 03.5 +2.2	
BTO				pP		16 51 28.3 -0.8	
BTO				sP		16 52 13.0 +4.8	
BTO				SS		16 53 47.3 +6.8	
BTO	Baotou	89.90	313	SS		17 00 18.3 -2.5	
BTO	Baotou	89.90	313	SS		17 06 37.8 +8.4	
BTO				pmax			
BTO	comp-Z,15nm,0.6s			pmax			
BTO	comp-Z,140nm,4.3s			LR	LR		
BTO	comp-N,310nm,4.6s			LR	LR		
BTO	comp-E,200nm,4.5s			LR	LR		
CMAR	Chiang Mai Arr	90.39	289	P		16 50 05.0 +1.1	
CMAR	Chiang Mai Arr	90.39	289	P		16 50 05.2 +1.3	
CMAR	comp-Z,2.3nm,0.9s,baz=113,slow=3.3,SNR=16			pP		16 50 05.7 +1.2	
CHTO	Chiang Mai	90.52	290	P		16 50 06.5	
CHTO				IAMB		16 50 06.5	
PZH	PanZhiHua	90.76	298	P		16 50 05.8 +0.2	
PZH				pmax			
PZH	comp-Z,10.0nm,0.6s			pmax			
G31M	Satah River	91.50	16	P		16 50 08.1 +0.3	
G31M				IAMB		16 50 09.2	
INK	Inuvik	92.74	15	P		16 50 13.3 0.0	
INK				IAMB		16 50 14.6	
YKA	Yellowknife Ar	94.93	24	P		16 50 24.0 +0.2	
YKA				IAMB		16 50 24.0 +0.2	
MKAR	Makanchi Array	110.82	314	PKKP	PKKP	16 55 30.5 -2.1	
MKAR	comp-Z,0.3nm,0.7s,baz=190,slow=0.9,SNR=3.0						

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
BVAR	Borovoye Array	118.52	321	PKP	PKPdf	16 55 46.0 -1.2	
BVAR	comp-Z,0.7nm,0.7s,baz=357,slow=2.9,SNR=2.8						
AKASO	Main Array Be	142.17	333	PKHCP	PKPpre	16 56 26.4	
ARRP	Arapit-MALATY	143.46	311	PKPbc		16 56 33.3 +0.6	
BNN	Buryan	145.33	312	PKPbc	PKPbc	16 56 38.8 +0.3	
BUR08	Bucovina Ar. S	146.21	332	PKPbc	PKPbc	16 56 41.1 +0.4	
BRTR	Keskin Array B	146.46	314	PKPbc	PKPdf	16 56 40.8 +1.1	
BRTR	comp-Z,1.4nm,0.8s,baz=136,slow=4.7,SNR=8.8						
ASF	Jabal al Asfar	146.80	300	PKPbc	PKPbc	16 56 42.2 -0.7	
ASF	comp-Z,1.5nm,0.5s,baz=0.0,slow=4.0,SNR=2.6						
OSTC	Ostas	146.87	344	ePKP	PKPbc	16 56 43.0 +0.6	
CHLV	Chvallec	146.88	345	ePKP	PKPbc	16 56 41.9 -0.6	
CLLC	Colima	146.88	348	PKPbc	PKPbc	16 56 42.2 -0.1	
CLLC	comp-Z,9.0nm,0.9s						
CLL				PKPab	PKIP	16 56 44.2 -0.3	
CLL				e(PKFPb)		16 58 10.0	
CLL				x		16 58 18.0	
DPC	Dobruska-Polom	147.03	344	ePKP	PKPbc	16 56 43.3 +0.5	
MLR	Muntele Rosu	147.47	329	PKPbc	PKPbc	16 56 43.9 -0.4	
MAUC	Maruska	147.50	342	ePKP	PKPbc	16 56 44.9 +0.8	
MAUC	comp-Z,1.4nm,0.7s,baz=81,slow=9.9,SNR=3.3						
IMAI	Mount Merson Ar	147.78	302	PKPbc	PKPbc	16 56 45.5 -1.0	
IMAI	comp-Z,2.7nm,0.7s,baz=294,slow=8.1,SNR=4.3						
PRU	Prunhonic	147.80	346	ePKP	PKPbc	16 56 44.9 +0.1	
VYHS	Vyhne	147.96	340	ePKP	PKPbc	16 56 45.7 +0.4	
ZVC	Zvivok	148.40	346	ePKP	PKPbc	16 56 46.5 +0.2	
KHC	Kasparske Hory	148.83	346	ePKP	PKPbc	16 56 46.3 -1.2	
KZC	Cesky Krumlov	148.95	345	ePKP	PKPbc	16 56 48.3 +0.5	
GERES	GERES Array B	149.07	346	PKPbc	PKPbc	16 56 47.5 -0.7	
GERES	comp-Z,2.6nm,0.9s,baz=27,slow=6.1,SNR=5.2						
SOKA	Soboth	150.74	343	PKP	PKPbc	16 56 51.8 -0.4	
SOKA	comp-Z,1.8nm,0.7s						
WATTA	Wattenberg	151.01	348	PKP	PKPbc	16 56 52.8 -0.1	
WATTA	comp-Z,1.7nm,0.4s						
MOTA	Moosalm	151.04	348	PKP	PKPbc	16 56 52.7 -0.3	
MOTA	comp-Z,0.9nm,0.3s						
SQTA	Sankt Quirin	151.14	348	PKP	PKPbc	16 56 53.1 0.0	
SQTA	comp-Z,0.4nm,0.2s						
ABTA	Abfaltersbach	151.31	346	PKP	PKPbc	16 56 52.9 -0.7	
ABTA	Feichten	151.42	349	ePKP	PKPbc	16 56 53.8 0.0	
FETA	Feta	151.42	349	ePKP	PKPbc	16 56 53.8 0.0	
FETA	comp-Z,0.3nm,0.2s						
DAVOX	Davos/Dischmat	151.81	350	PKPbc	PKPbc	16 56 54.1 -0.7	
DAVOX	comp-Z,2.2nm,0.7s,baz=318,slow=3.4,SNR=4.0						
TORD	Tordil Ar, Bea	173.97	169	PKP	PKPdf	16 57 07.9 -1.7	
TORD	comp-Z,0.7nm,1.0s,baz=296,slow=3.1,SNR=3.8						

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PRRZ, HRRZ, EDJR, HSZR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TKNZ, OUZ, OUZ, OUZ, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like STKA, STKA, COEN, COEN, etc.

NOU 26 17:30:16.5, 21.745:169.62E, h0km, MLv4.0/12, Southeast of Loyalty Islands

Code Station Name Az El Op Phase ID Time Res h m s ISC

NEIC 26 17:38:32.6, 2.20:2S:0.1x173.5W:0.1, h10km, 1km, mb4.6/31, Error ellipse: s-maj=25.0km s-min=6.9km

Code Station Name Az El Op Phase ID Time Res h m s ISC

IDC 26 17:49:18.9, 3.7, 15:09Sx177.56W, h407km, 37km, mb3.2/5, mbmp3.9/5, Error ellipse: s-maj=39.6km s-min=16.1km

Code Station Name Az El Op Phase ID Time Res h m s ISC

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like NWLT Wulai, WHP Taichung City, HGSD Ruisui, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like JYNG Yonagunijimaku, WCKO Fanlu, WRL Guolierlin Hig, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like JISG Ishigakijimahi, JTG Tarama, JYJJ Jianjiangzhen, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NRCA Norcia, NRCA comp=E,1270um,0.1s, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like LMD Lutirano, LMD Rufina, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SJA 26 18:59:17.3, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like YLW Valova, ORLT Orhanelli, ARCR ARCALIA, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like CIMO Cimolais, ABTA Abfalterbach, DPC Dobruza-Polom, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like CGJI Cibinong, CGJI Serang, KASI Kota Agung, etc.

1805

Table with columns: TWC, TWP, SX11, EOS4, EOS4, NDS, EWUT, TWE, ENA, ENA, FUSB, ENTT, ENTT, NWLT, NWLT, NDT, LATG, LATG, YHNB, NSK, NNSB, NNSB, NNS, ETLH, IRIF, ETM, LXIB, NFF, WHF, LIOB, ELSH, NSTT, NSTT, HATJ, CHGB, CHGB, WARBT, WUSB, WUSB, JKRS, JKRS, JIJ, WVDT, JISG

NEIC 26 19:27:28.0±0.4, 35.85N, 0°01:96.69W, 0.02, h6km, 2km, Error ellipse: s-maj=3.3km s-min=0.8km az=122.0

TUL 26 19:27:28.1±0.3, 35.86N, 0°01:96.70W, 0.02, h6km, 1km, ML2.5, mb Lg2.3/17(NEIC), ML2.6/36(NEIC), Error ellipse: s-maj=3.1km s-min=1.4km az=119.0, Oklahoma

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC

2017 NOV

Table with columns: LOOK, LOOK, U38A, WNOK, WNOK, SMWD, TREL, S39A, CBKS, R40A, PBMO

ICD 26 19:39:47.2±4.2, 2.89S, 130.86E, h0km, mb3.5/2, mbmtpp3.5/3, ML3.1/1, Error ellipse: s-maj=295.5km s-min=30.3km az=72.0, Seram

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC

ICD 26 19:46:01.4±0.8, 6.39S, 147.58E, h0km, mb3.9/12, mbmtpp3.9/14, ML2.8/2, MS3.4/8, Error ellipse: s-maj=38.2km s-min=15.0km az=86.0

NEIC 26 19:46:05.9±2.7, 6.63S, 0°07:147.0E, 0.1, h10km, 1km, mb4.2/14, Error ellipse: s-maj=20.3km s-min=11.5km az=87.0

DJA 26 19:46:13.2±0.4, 7°S, 3°14'7"E, h59km, 7km, M4.4/18, mb4.4/18, mb5.2/2, Mlv4.4/5, Mw(mbB)4.5/2, Mw(mwp)5.3/1, Mwps.5/1

ISC 26 19:46:09.8±0.5, 6.54S, 0°06:147.15E, 0.07, h50km, n61, mb3.0/55, mb4.0/14, MS3.4/7, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC

CTA 26 19:46:09.8±0.5, 6.54S, 0°06:147.15E, 0.07, h50km, n61, mb3.0/55, mb4.0/14, MS3.4/7, Eastern New Guinea region

CTA 26 19:46:09.8±0.5, 6.54S, 0°06:147.15E, 0.07, h50km, n61, mb3.0/55, mb4.0/14, MS3.4/7, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC

CTA 26 19:46:09.8±0.5, 6.54S, 0°06:147.15E, 0.07, h50km, n61, mb3.0/55, mb4.0/14, MS3.4/7, Eastern New Guinea region

EIDS 26 19:27:28.1±0.3, 35.86N, 0°01:96.70W, 0.02, h6km, 1km, ML2.5, mb Lg2.3/17(NEIC), ML2.6/36(NEIC), Error ellipse: s-maj=3.1km s-min=1.4km az=119.0, Oklahoma

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC

26d 20h

Table with columns: ZALV, KURBB, QSPA, QSPA, ILAR, BVAR, SNA, TORD, DBIC, BDFB

ICD 26 20:05:16.8±4.2, 0.26N, 135.41E, h0km, mb3.1/3, mbmtpp3.0/3, ML3.0/2, Error ellipse: s-maj=200.4km s-min=31.0km az=77.0, Irian Jaya region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC

ICD 26 20:10:04.0±2.3, 7.64S, 129.57E, h0km, mb3.1/1, mbmtpp3.0/3, ML3.0/2, Error ellipse: s-maj=109.0km s-min=34.3km az=67.0, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC

TUN 26 20:11:55.7, 36.40N, 8.73E, h9km, MD2.1, Tunisia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC

SOME 26 20:15:27.3, 44.47N, 79.38E, h15km, NNC 26 20:15:27.1±1.3, 44.47N, 79.38E, h4km, 4km, mb2.6, mp2.8, Error ellipse: s-maj=9.1km s-min=4.6km az=7.0

ISC 26 20:15:27.3±1.0, 44.46N, 0°03:79.40E, 0.03, h14km, 7km, n18, c06/36, 2c, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC

ICD 26 20:48:14.2±2.9, 29.81N, 140.06E, h70km, 27km, mb3.2/3, mbmtpp3.5/5, Error ellipse: s-maj=43.8km s-min=19.0km az=74.0, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MJAR, WRA, ASAR, NVAR.

NOU 26:20:27.33.9, 39°22'S: 174.70'E, h234km, MLv3.7/14, North Island, New Zealand

WEL 26:20:27.37.6, 1.039 S: 117°17'55.1", h202km, 7km, M2.8/31, ML2.9/7, MLV2.8/31, Error ellipse: s-maj=0.0km

ISC 26:20:27.33.3-1.8, 39.245S-0.06:174.70E.0.05, h235km, gkm, n161, 01908/169, North Island

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time Res, and other parameters. Lists numerous stations across various locations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WMGJ, KHZ, KHZ, MXZ, etc.

SNET 26:20:32:53.0.2.9, 12°69'N:90°25'W, h11km, ML5.0

CATAC 26:20:32:56.3.0.4, 12°78'N:90°15'W, h18km, 5km, ML4.9

GCMT 26:20:32:58.0.0.4, 12°84'N:0°02.90', 19W:0.05, h233km, 1km, MM4.8/62, Moment Tensor Solution...

NEIC 26:20:32:59.8.2.4, 13°06'N:0°07.01'W:0.07, h47km, 7km, mb4.7/125 Error ellipse: s-maj=11.5km s-min=7.9km az=22.0

IDC 26:20:33:04.0.2.1, 13°46'N:89°59'W, h73km, 17km, mb4.1/18, mbmp4.5/22, MS4.1/48, Error ellipse: s-maj=27.6km s-min=12.5km az=40.0

GCG 26:20:33:05.1.1.5, 13°35'N:90°44'W, h49km, 187km, MD4.5

ISC 26:20:33:00.2.1.1, 13.04N:0.06:90.07W:0.05, h56km, 8km, n523, 01936/488, mb4.7/174, MS4.1/46, 1C, Near coast of Guatemala

Main station list table for the second column, with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time Res, and other parameters.

Main station list table for the third column, with columns: Station Name, Azimuth, Elevation, Frequency, Phase ID, Time Res, and other parameters.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like COPN Copaltepe, MOMN Momotombo, and many others.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like TXAR Abilene, TX31 Lajitas Ar, and many others.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like P40A Marlinton, R55A Tucson, and many others.

26d 21h

Table with columns for station ID, name, coordinates, and status. Includes stations like LOHW Long Hollow, TPWA Teton Pass, AGMN Agassiz Nation, NVAR Mina Array Bea, MDND Maddock, H17A Grant Village, KVN Kaiserville, KVN RLMT Red Lodge, LMO LASA Array, BAO Battle Mountai, LPD La Paz, HLAZ La Paz, MDP Montagni des, EGMT Eagleton, PLID Pearl Lake, MSO Missoula, VILB Vilhena, YBH Yreka Blue Hor, YBH Yreka Blue Hor, SIV San Ignacio, LVC Limon Verde, NEW Newport, J01E Myrtle Point, FFC Flyn Film, RPN Rapa Nui, EDM Edmonton, SCHQ Schefferville, SCHQ Scheferville, SCHQ Scheferville, SCHQ Scheferville, BBB Bella Bella, BDBF Brasilia, BDBF Brasilia, CPUP Villa Florida, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, FRB Frobisher Bay, DLBC Dease Lake, S34M Telegraph Cree, R33M Jennings River, Q32M Nakina River, TGNT Hyland Airport, PLCA Paso Flores, P32M Atlin, P33M Atlin, RCBR Riachuelo, N32M Quiet Lake, WHY Whitehorse, O30N Mendenhall, P29M Windy Craggy, M31M Drury Creek, Y, N31N Braeburn, Y, HYT Haines Junctio, N30M Aishik Lake, M30M Minto, Yukon, O28M Mount Upton, SFJD Kangerlussuaq, YUK8 Steele Glacier, M29M Somme Creek, C36M Palutak, L29M L29M, CTG Chitna Glacier, J30M Hart River, K29M Barlow Dome, YUK3 Moose Creek, I30M Mount Dempster, BVCY Beaver Creek, DAWY Dawson, KAIM Kayak Island, M27K Edge Creek, AK, MCARK McCarthy VSAT

2017 NOV

Table with columns for station ID, name, coordinates, and status. Includes stations like F31M Tsightgchic, I29M Ogilvie Camp, EPYK Eagle Plains, L27K Beaver Creek, RES Resolute Bay, BMRM Bremner River, INK Inuvik, INK Inuvik, H29M Whitestone, F30M Barrier River, N25K Chitna, Valde, EYAK Cordova Ski Ar, I28M Miner Creek, K27K Chitna, EGAK Eagle, G29M Pine Creek, A36M Sachs Harbour, A36M Sachs Harbour, P33M Montague Islan, I27K Kandik River, J26L Joseph Creek, H27K Steamboat Moun, E29M Blow River, E29M Blow River, I26K Coal Creek Min, F28M Old Crow, F28M Old Crow, F28M Old Crow, SCM Sheep Creek Mo, G27K Doyon Strip, K24K Donnelly Dome, KNK Knik Glacier, J25K Salcha River, E28M Babbage River, WAT8 Susitna Watana, D28M Tokos Point, RC01 Rabbit Creek A, RC01 Colson River, ICESG Greenland Ices, ILAR Eielson Array, ILAR Eielson Array, D27M Malcolin River, F26K Shenjek River, MCK McKinley, G25K Bearman Lake, F25K Christian River, H24K Noodor Dome, TRF Thorofare Moun, SKT Skwentna, N20K Mount Spurr, R18K Karluk, G24K Hadwezenic Riv, F26M Minto, Yukon-K, F24K Squaw Lake, MLY Manley, PPT Papeete, C26K Camden Bay, P18K Big Mountain, D25K Kavik River, E24K Your Creek, L20K Farewell, AK, H22K Ishaitlina Cre, SUMG Summit, COLD Coldfoot, Q16K King Salmon, E23K Chandalar, P17K Kvichak River, N18K Kilee Creek, R16K Pilot Point, TOLK Tooiik Lake Re, G22K Bettles, H21K Melozitna River, J20K Nowinta River, CHGN Chignik, NEEM North Greenlan, F22K John River, D23K Nanushuk River, E22K Anaktuvok Pass, G21K Allakak, H20K Anotleneega Mo, C23K Itkillik River, F21K Alata River, D22K Ayikyak River, N16K Nishik Lake, E21K Killik River, M16K Timber Creek

1808

Table with columns for station ID, name, coordinates, and status. Includes stations like H19K Roundabout Mou, O15K Ungalikthiuk R, F20K Avaza Lake, G19K Purcell Mounta, B22K Teshekpuk Lake, B21K Ikkipuk River, H18K Honhosa River, E20K Nigu River, BORG Borgarnes, B19K Redstone River, F19K Shalericuk Mo, G18K Tagagawik, D20K Etivluk River, N14K Kusokokwak Cree, A22K Sinclair Lake, M13K Dal Lake, E17K Hotham Inlet, C18K Utukok River, B18K Kokolik River, C17K DeLong Mountai, F14K Arctic Creek, C16K Lisburne Hills, DAG Danmarks Havn, DAG Danmarks Havn, TNA Tin City, NOR Not, JMJC Jan Mayen, RAR Rarotonga, EKA Eskdalemuir Ar, ESDC Sonseca Array, ESDC Sonseca Array, MDT Midelt, PMSA Palmer Station, SPITS Spitsbergen Ar, SPITS Spitsbergen Ar, DBIC Dimboko, DBIC Dimboko, NB2 NORSAR Subaru, NOA NORSAR Array B, NOA NORSAR Array B, HFS Hagfors, HFS Hagfors, ARCES ARCES Array B, ARCES ARCES Array B, CLL Colim, TORD Torodi Ar, TORD Torodi Ar, FINES FINES Array B, FINES FINES Array B, TIXI Tiksi, TIXI Tiksi, PETK Petroglovskiy, MA2 Magadan, VAE Valguarnera, AKAS Malin Array Be, BVAR Borovoye Array, ZALV Zalesovo Beam, SONM Songino Array, BOSA Bosha, KRSR Korea Array, MKAR Makanchi Array, GEYT Alibeck, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, WMO Urumqi, GTA Gaotai, NJ2 Nanjing, WRA Warrunga Arr, ASAR Alice Springs, DANN Dango, PYUN Piuthan, PZH PanZhihua, PKI Pulchok, RAMN Ramite, CRAI Chiangrai, CMAR Chiang Mai

TIF 26:21:10:55.2, 43:43N-41:33E, h4km2km
MOS 26:21:10:56.3, 43:52N-41:23E, h16km, MPVA3.7
NORS 26:21:11:00.1, 43:55N-41:56E, h5km, MPVA3.5
ISC 26:21:05:20.9, 43:44N-03:41.26E:0.02, h12km7km,
n30, c19:18:59, Western.Caucasus

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like ARXK Arkhyz, RFXOR Krasnaya Poly, VSLR Vesylolye, etc.

ANF 26 21:11:50.4:0.5, 36:11N:97.84W, h1km, 4km, ML3.9/11, Error ellipse: s-maj=3.5km s-min=2.3km az=149.0

NEIC 26 21:11:50.5:1.4, 36:09N:103.97E, h0.5km, 6km, Error ellipse: s-maj=5.9km s-min=2.1km az=48.0

IDC 26 21:11:51.2:1.2, 36:18N:97.98W, h0km, mb1mp3.2/4, ML3.0/4, Error ellipse: s-maj=15.8km s-min=12.6km az=162.0

TUL 26 21:11:51.1:1.1, 36:11N:102.97E, h6km, 5km, ML3.4, mb_Lg3.4/131(NEIC), ML3.5/72(NEIC), Error ellipse: s-maj=2.3km s-min=1.8km az=199.0

ISC 26 21:11:50.9:1.2, 36:10N:102.97E, h1km, 11km, n137, c074/101, Oklahoma

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like CROK Carrier, OK029 Liberty Lake, ADOK Arcadia Dam, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like KAN08 Anthony NE Sta, KAN06 Argonia West S, KAN06 comp=N,1um,0.2s, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like T25A Trinidad, LCAR Lake Charles, LCAR Lake Charles, etc.

IDC 26 21:34:05.0:4.8, 36:47N:70.39E, h114km, 34km, mb3.6/2, m1mp3.8/8, Error ellipse: s-maj=55.1km s-min=19.1km az=155.0

NNC 26 21:34:11.8:3.5, 37:05N:70.99E, h0km, mb4.1, mpv3.8, Error ellipse: s-maj=54.6km s-min=25.6km az=125.0

ISC 26 21:34:01.9:0.9, 36:29N:108.70E, h100km, n21, c208/26, 3C-2D, Hindu Kush region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like IUG luzhnyay, IUG 58nm,0.5s, AML Almayash, etc.

26d 22h

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like FINES FINESS Array B, JMA 26:21:34:01.9-0.3,32°N,1°14'2E, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like BCHC Barbados, Cave, BBGH Gun Hill, RBCHC Barbados, Cave, etc.

1810

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC. Includes stations like GWW Greenwater Val, W18A Petrified Forest, BATI Baunata, etc.

BTO				sPKP	22 35 48.3
BTO				PKPab	22 36 33.0 -1.8
BTO				PP	22 39 58.5 -27
NJ2	Nanjing	171.61 271	eP	PKPdf	22 35 15.3 +1.9
NJ2				pmax	
CD2	Chengdu	175.37 105	PKP	PKPdf	22 35 14.3 -0.7

NEIC 26 22:15:48.4-0.8,36.098N;0.007-97.83W;0.01,1h6km,5km,
 Error ellipse: s-maj=1.7km s-min=0.3km az=52.0
 TUL 26 22:15:48.5-0.6,36.11N;0.011-97.83W;0.01,1h3km,5km,
 MLT2.7,mb_Lg2.6/49(NEIC),ML2.9/71(NEIC),Error
 ellipse: s-maj=1.7km s-min=1.4km az=221.0, Oklahoma

Code	Station Name	AZ	Phase	ID	ISC	h	m	s	ISC	Res
CROK	Carrier	0.42 342	Op	Pg	Pg	22	15	57.1	+0.5	
CROK			Pg	Pg	Pg	22	16	03.1	+1.1	
CROK			Sg	IAML		22	16	06.1		
CROK	comp=E,2um,0.4s					22	16	11.1		
OK029	Liberty Lake	0.43 136	Pg	Pg	Pg	22	15	57.1	+0.4	
OK029			Sg	IAML		22	16	02.8	+0.4	
OK029	comp=N,1um,0.3s					22	16	06.5		
ADOK	Arcadia Dam	0.58 141	Pg	Pg	Pg	22	15	59.9	+0.1	
ADOK			Sg	Pg	Pg	22	16	02.8	+0.9	
OK033	Mehan	0.72 95	Pg	Pg	Pg	22	16	02.5	+0.2	
OK033			Sg	IAML		22	16	11.7		
OK033	comp=Z,43nm,0.9s					22	16	12.2	+0.5	
OK033			Sg	IAML		22	16	18.6		
GC02	Grant County #	0.74 358	Pg	Pg	Pg	22	16	02.6	-0.1	
GC02			Sg	Pg	Pg	22	16	13.0	+0.5	
OK032	Salt Plains WL	0.76 336	Pg	Pg	Pg	22	16	03.3	+0.2	
OK032			Sg	Pg	Pg	22	16	13.6	+0.6	
OKCSW	OKLAHOMA CITY	0.77 156	Pg	Pg	Pg	22	16	03.0	-0.2	
OKCSW			Sg	IAML		22	16	17.0		
OK048	Pawnee Station	0.78 66	Pg	Pg	Pg	22	16	03.5	+0.1	
BLOK	Blackwell	0.82 37	Pg	Pg	Pg	22	16	04.3	+0.1	
BLOK			Sg	IAML		22	16	20.9		
OK050	E 538nm,0.5s					22	16	04.3	-0.1	
OK058	West End E0370	0.83 297	Pg	Pg	Pg	22	16	04.6	+0.1	
OK052	Battle Ridge R	0.84 97	Pg	Pg	Pg	22	16	04.7	+0.1	
CSTR	Hydro, Custer	0.84 337	Pg	Pg	Pg	22	16	04.8	+0.1	
KAN14	Manchester OK	0.86 353	Pg	Pg	Pg	22	16	04.8	+0.1	
KAN14			Sg	IAML		22	16	22.2		
KAN14	comp=N,389nm,0.1s					22	16	23.4		
OK030	Cody Creek RV	0.86 102	Pg	Pg	Pg	22	16	05.1	+0.1	
OK030			Sg	IAML		22	16	24.0		
OK030	comp=E,275nm,0.2s					22	16	26.0		
OK051	E0350 and S346	0.89 63	Pg	Pg	Pg	22	16	05.5	-0.2	
OK051			Sg	IAML		22	16	22.8		
OK051	comp=E,548nm,0.2s					22	16	23.5		
QUOK	Quay	0.91 86	Pg	Pg	Pg	22	16	05.9	-0.6	
QUOK			Sg	IAML		22	16	24.0		
QUOK	comp=N,261nm,0.2s					22	16	27.1		
FNO	Franklin	0.92 158	Pg	Pg	Pg	22	16	05.9	-0.1	
FNO			Sg	IAML		22	16	24.2		
OK035	E0210 Rd and N	0.93 310	Pg	Pg	Pg	22	16	06.1	-0.2	
OK035			Sg	Pb	Pb	22	16	06.3	-1.1	
KAN17	Caldwell West	0.94 3	Pg	Pg	Pg	22	16	06.4	-0.1	
KAN17			Sg	IAML		22	16	25.6		
KAN17	comp=N,412nm,0.3s					22	16	26.0		
KAN13	South Haven SW	0.95 17	Pg	Pg	Pg	22	16	06.6	-0.1	
KAN13			Sg	IAML		22	16	27.7		
U32A	Winter Ranch,	0.99 286	Pg	Pg	Pg	22	16	07.2	-0.3	
U32A			Sg	IAMB_Lg		22	16	20.9		
U32A	comp=Z,45nm,1.2s					22	16	28.8		
KAN05	Bluff City Nor	1.00 358	Pg	Pg	Pg	22	16	07.6	-0.1	
KAN05			Sg	IAML		22	16	25.8		
NOKA	Waynoka	1.04 301	Pg	Pg	Pg	22	16	07.8	-0.6	
NOKA			Sg	IAML		22	16	30.2		
KAN10	Anthony SW Sta	1.04 348	Pg	Pg	Pg	22	16	08.2	-0.2	
KAN10			Sg	IAML		22	16	29.4		
KAN10	comp=N,311nm,0.2s					22	16	29.5		
KAN09	Caldwell North	1.04 9	Pg	Pg	Pg	22	16	08.2	-0.2	
KAN01	Argonia South	1.05 3	Pg	Pg	Pg	22	16	08.2	-0.3	
KAN01			Sg	IAML		22	16	26.7		
KAN01	comp=N,192nm,0.1s					22	16	29.4		
DEOK	Depew	1.11 103	Pg	Pg	Pg	22	16	09.2	-0.6	
DEOK			Sg	IAML		22	16	32.5		
KAN08	Anthony NE Sta	1.12 354	Pg	Pg	Pg	22	16	09.8	-0.3	
KAN08			Sg	IAML		22	16	29.3		
KAN08	comp=E,197nm,0.1s					22	16	30.0		
KAN06	Argonia West N	1.14 359	Pg	Pg	Pg	22	16	10.0	-0.4	
KAN06			Sg	IAML		22	16	29.0		
KAN06	comp=E,230nm,0.1s					22	16	29.2		
KS21	Milan North S	1.19 6	Pg	Pg	Pg	22	16	10.8	-0.4	
KS21			Sg	IAML		22	16	31.8		
KS21	comp=N,349nm,0.2s					22	16	31.9		
KAN12	Harper NE Sta	1.20 353	Pg	Pg	Pg	22	16	10.5	-0.9	
KAN12			Sg	IAML		22	16	32.7		
W35A	Tecumseh	1.23 141	Pg	Pg	Pg	22	16	11.4	-0.7	
W35A			Sg	IAML		22	16	35.2		
ELIS	Ellis County	1.29 269	Pg	Pg	Pg	22	16	12.9	-0.4	
T35A	Sooner Cattle	1.33 52	Pn	Pn	Pn	22	16	13.6	-0.4	
WMOK	Wichita Mounta	1.57 210	Pn	Pn	Pn	22	16	16.9	-0.4	
TUL3	Leonard	1.65 96	Pn	Pn	Pn	22	16	18.4	-0.2	
LOOK	Love County	1.27 166	Pn	Pn	Pn	22	16	25.2	-0.4	
LOOK			Sg	IAMB_Lg		22	17	01.7		
SMWD	Samnorwood	2.21 244	Pn	Pn	Pn	22	16	26.0	-0.1	
SMWD			Sg	IAMB_Lg		22	17	00.7		
RLO	Rose Lookout	2.27 88	Pn	Pn	Pn	22	16	26.8	-0.1	
WTF5	Witchita Falls,	2.39 193	Pn	Pn	Pn	22	16	28.4	-0.1	
R32A	Long Quarter,	2.42 343	Pn	Pn	Pn	22	16	28.6	-0.4	
X37A	Clayton	2.51 126	Pn	Pn	Pn	22	16	30.2	-0.0	
U35A	Gravette	2.80 82	Pn	Pn	Pn	22	16	34.1	-0.1	
FW03	Perchaven, San	2.81 170	Pn	Pn	Pn	22	16	34.4	+0.1	
FW03	Perrin-Whitt E	3.07 184	Pn	Pn	Pn	22	16	36.8	-1.1	
CBKS	Cedar Bluff	3.10 331	Pn	Pn	Pn	22	16	38.1	-0.3	
HHAR	Hobbs	3.15 186	Pn	Pn	Pn	22	16	38.8	-0.2	
PLPT	Palo Pinto	3.31 87	Pn	Pn	Pn	22	16	41.3	0.0	
PLPT			Sg	IAMB_Lg		22	17	41.5		
APMT	Aspermont	3.36 215	Pn	Pn	Pn	22	16	39.2	-2.7	
APMT			Sg	IAMB_Lg		22	17	34.7		
AMTX	Amarillo	3.37 250	Pn	Pn	Pn	22	16	42.2	0.0	
AMTX			Sg	IAMB_Lg		22	17	39.0		
DKNS	Dickens	3.52 227	Pn	Pn	Pn	22	17	47.0		
FW14	Alvarado	3.73 172	Pn	Pn	Pn	22	17	46.5		
FW13	Cleburne	3.76 175	Pn	Pn	Pn	22	17	57.7		
MIAR	Mount Ida	3.81 113	Pn	Pn	Pn	22	16	48.3	+0.2	
MIAR			Sg	IAMB_Lg		22	17	59.4		

Code	Station Name	AZ	Phase	ID	ISC	h	m	s	ISC	Res
S39A	Bolivar	3.94 65	Pn	Pn	Pn	22	16	50.1	+0.2	
S39A			Sg	IAMB_Lg		22	17	58.3		
RTBA	Rita Blanca	3.98 276	Pn	Pn	Pn	22	16	51.0	+0.4	
RTBA			Sg	IAMB_Lg		22	18	02.5		
SN01	Snyder I	4.11 219	Pn	Pn	Pn	22	18	06.8		
X40A	Basin Creek Fa	4.39 110	Pn	Pn	Pn	22	16	58.1	+2.0	
X40A			Sg	IAMB_Lg		22	18	13.4		
WLAR	White Oak Lake	4.56 121	Pn	Pn	Pn	22	18	12.3		
WHAR	Woody Hollow	4.58 99	Pn	Pn	Pn	22	17	00.5	+1.9	
MXST	Muleshoe	4.58 244	Pn	Pn	Pn	22	16	58.7	-0.1	
MGMO	Mountain Grove	4.59 75	Pn	Pn	Pn	22	18	15.3		
P38A	Dawn	4.89 43	Pn	Pn	Pn	22	18	27.8		
BRDY	Brady	4.91 192	Pn	Pn	Pn	22	18	30.7		
SGCY	Sterling City	5.00 214	Pn	Pn	Pn	22	18	39.3		
N35A	Tabor	5.05 19	Pn	Pn	Pn	22	18	42.3		
435B	Jarrell	5.31 178	Pn	Pn	Pn	22	18	42.6		
T25A	Trinidad	5.39 283	Pn	Pn	Pn	22	18	47.4		
OGNE	Ogallala	5.85 327	Pn	Pn	Pn	22	19	06.3		
JCT	Junction City	5.85 197	Pn	Pn	Pn	22	19	01.6		
PBMO	Poplar Bluff									

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PSIM Granatula de C, ETOB Tobarra, ESDC Sonseca Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ETSF Etsaut, SJPF Ste Jean, PBRG Braganca, etc.

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

26d 23h

Table with columns for station name, frequency, power, and other technical details. Includes stations like ASF, JASK, MZR, ALNE, SOHO, MMAL, GHAJ, ARQ, HOQ, BSY, EIL, BNN, KIV, SMDO, WSAR, NGCH, JMDO, SOC, WBK, WKB, JLN, MHTO, BRTR, DOK, WHFO, ABTO, SHAO, DMTO, ISP, ELL, MK31, KK31, KKAR, ALN, ALI, IDI, VORR, CFR, NIL, RAZG, ELND, LPSR, GHRR, ISR, BISRR, VRI, PLOR, NEHR, MLR, MLR, MLR, MLR, COVR, SORM, TESR, TURR.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like OZUR, AGG, AGG, AGG, VOIR, VOIR, DOPRA, ARR, KSH, KSH, AKASG, AKASG, AKAB, NRR, NRR, BURAR, BURAR, BURAR, FNA, FNA, OBN, OBN, OBN, ARU, ARU, ARU, BRV, BRV, KOLS, KOLS, KIRV, TIP, WYHS, WYHS, KURBB, KURB, KURK, KLMR, KLMR, MK31, MK31, MKAR, MKAR, MKAR, DANN, BIOA, GERES, ABTA, GKN, LESA, WTTA, WATA, PKIN, SQT, MOTA, GUN, WMQ, FETA, FINES, FINES, FINES, VSL, VSL, MESSA, KEST, DAVOX, DAVA, RAMM, TUE, TUE, ZAAO, ZAAO, ZALV, ZALV, SENIL, SENIL, BNI, BNI, HFS, HFS, NC405, NC405, NB201, NB201, NOA, NOA, NC303, NC303.

1814

Table with columns for station name, frequency, power, and other technical details. Includes stations like NB000, NC204, ARCES, EKA, ESKDALE, ESOC, SONSSEA, LZH, LZH, LZH, SONM, SONGINO, ULN, ULN, ULN, PZH, PZH, PZH, CMAR, CMAR, CMAR, TOAO, TOAO, TORO, TORO, TORO, SPB2, SPB2, SPB2, SPITS, SPITS, SPITS, HHC, HHC, HHC, SUMG, SUMG, SUMG, KSR5, KSR5, KSR5, BOS, BOS, BOS, ILAR, ILAR, ILAR, YKA, YKA, YKA, ELIB, ELIB, ELIB, QSPA, QSPA, QSPA, OTT, PGC, ANF, ISC, Code, Station Name, Az, Phase ID, Time Res, ISC.

1815

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like F26K, H29M, H29M, H29M, E25K, etc.

2017 NOV

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like YUK3, N32M, N32M, YUK4, etc.

26d 23h

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like NC405, NB2, NOA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UPA Univ. de Panam, CHPO Chepo, Panama, MAFPC Malpelo, BBAC Balboa, Cauca, etc.

1.1nm,1.1s,baz=262,slow=4.3,SNR=5.3
1.1nm,1.1s
IDC 27 01:04:15.7±1.1,23.42N×125.93E,h0km,mb3.6/4,
mbtmp3.6/4,Error ellipse: s-maj=54.3km s-min=22.3km
az=72.0,Southern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam, etc.

ISN 27 00:38:50.5±1.3,34.50N×45.80E,h6km,7km,ML2.9
TEH 27 00:38:51.3,34.50N×45.90E,h7km,28km,ML3.0
ISC 27 00:38:51.9±0.9,34.51N×0.03±45.87E±0.04,h10km,n19,
±1949/23,Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDHR Dehresh, IGHG Ghaleghazi, ILBA Iliam Banvizeh, etc.

IDC 27 00:42:51.1±1.3,8.32S×142.72E,h0km,mb3.4/3,
mbtmp3.5/4,ML3.7/1,Error ellipse: s-maj=88.6km
s-min=29.7km az=107.0,Near north coast of New
Guinea

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

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

NEIC 27 01:28:44.4±1.1,60.29N×0.03±152.31W±0.07,h92km,4km,
Error ellipse: s-maj=5.0km s-min=4.2km az=96.0
AEIC 27 01:28:45.5±1.4,60.29N×0.03±152.33W±0.06,h98km,1km,
ML3.0,mb3.8/2(NEIC),ML3.5/183(NEIC),Error ellipse:
s-maj=4.5km s-min=4.2km az=77.0
ISC 27 01:28:44.7±0.9,60.28N×0.04±152.29W±0.05,h94km,7km,
n306,±0973/325,Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Q20K Slope Mountain, RED Redoubt Volcan, RDSO Redoubt South, etc.

IDC 27 00:26:10.8±4.2,5.97S×155.84E,h0km,mb3.9/6,
mbtmp3.9/6,Error ellipse: s-maj=143.2km s-min=30.1km
az=113.0
ISC 27 00:26:13.1±4.9,6.4S±0.6±157.7E±h35km,n7,±069/7,
mb3.9/6,Bougainville-Solomon Islands region

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

ISN 27 00:38:50.5±1.3,34.50N×45.80E,h6km,7km,ML2.9
TEH 27 00:38:51.3,34.50N×45.90E,h7km,28km,ML3.0
ISC 27 00:38:51.9±0.9,34.51N×0.03±45.87E±0.04,h10km,n19,
±1949/23,Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDHR Dehresh, IGHG Ghaleghazi, ILBA Iliam Banvizeh, etc.

IDC 27 00:42:51.1±1.3,8.32S×142.72E,h0km,mb3.4/3,
mbtmp3.5/4,ML3.7/1,Error ellipse: s-maj=88.6km
s-min=29.7km az=107.0,Near north coast of New
Guinea

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

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like M22K Willow, N18K Kilae Creek, M19K Big River Lodg, etc.

27d 1h

Table with columns: ID, Name, Azimuth, Altitude, Phase, ID, Time, Res. Includes entries like M16K Timber Creek, R17K Ugashik Creek, L17K Donlin, etc.

2017 NOV

Table with columns: ID, Name, Azimuth, Altitude, Phase, ID, Time, Res. Includes entries like L26K Log Cabin Wild, CHGN Chignik, ILAR Eielson Array, etc.

1818

Table with columns: Code, Station Name, Azimuth, Altitude, Phase, ID, Time, Res. Includes entries like KUR Kuril'sk, SKR Severo-Kuril's, PAU Pauzhetka, etc.

NIED 27 01:40:48.5, 47:20N, 152.96E, h30km, MW4.2, Moment Tensor Solution... s3 Moment tensor: Scale 1015Nm; Mb=0.53; Mw=2.28; Mw=1.75; Mw=0.66; Mw=0.43; Mw=1.08; Fault plane solution: Mo=2.46000x10^15 NP1; ...

1819

Table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like Mudanjiang, Heihe, Yakutsk, etc.

2017 NOV

Table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like IL31, ILAR, D25K, etc.

27d 1h

Table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like AAK, JIRN, ARU, etc.

27d 1h

Table with columns for station name, frequency, and various signal quality metrics (P, I, S, etc.). Includes stations like NBO00, NC602, HFS, WRA, MNK, etc.

2017 NOV

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like LANS, KRLC, MORC, P40A, etc.

1820

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like ECH, ECH, ECH, O53A, etc.

1821

SGTA	comp=N,2840um,0.5s	AML	AML					
SGTA	comp=N,2835um,0.5s	AML	AML					
SGTA	comp=N,2850um,0.4s	AML	AML					
SGTA	comp=E,3920um,1.5s	AML	AML					
BIOG	comp=E,3755um,1.5s	AML	AML					
BIOG	comp=E,2900um,1.6s	AML	AML					
BIOG	comp=N,3315um,0.9s	AML	AML					
BIOG	comp=N,3310um,0.9s	AML	AML					
BIOG	comp=E,2795um,1.5s	AML	AML					
BIOG	comp=N,3845um,0.9s	AML	AML					
BIOG	comp=E,2795um,0.5s	AML	AML					
BSSO	comp=E,2900um,0.4s	AML	AML					
BSSO	comp=E,1355um,1.1s	AML	AML					
BSSO	comp=N,3345um,0.8s	AML	AML					
BSSO	comp=E,3360um,1.1s	AML	AML					
BSSO	comp=N,1410um,0.8s	AML	AML					
SSB3	San Sossio Bar	1.11 207	P	Pb	01 43 27.0 +0.2			
SACR	S. Croce Del S	1.12 233	P	Pg	01 43 27.8 -0.1			
SACR			S	Pg	01 43 43.3 +0.7			
SACR	comp=E,3955um,0.9s	AML	AML					
SACR	comp=N,2920um,0.8s	AML	AML					
SACR	comp=E,3945um,0.9s	AML	AML					
SACR	comp=N,2740um,0.8s	AML	AML					
SACR	comp=E,3955um,1.1s	AML	AML					
SACR	comp=N,3945um,1.1s	AML	AML					
PALZ	Palazzo San Ge	1.13 178	P	Pb	01 43 27.2 +0.2			
PALZ			S	Sn	01 43 42.2 +0.3			
PALZ	comp=E,5250um,1.0s	AML	AML					
PALZ	comp=N,4285um,1.1s	AML	AML					
PALZ	comp=E,5250um,1.0s	AML	AML					
PALZ	comp=N,4285um,0.9s	AML	AML					
CAFE	Carite	1.16 206	P	Pn	01 43 27.5 +0.1			
CAFE	comp=E,3420um,0.7s	AML	AML					
CAFE	comp=N,1840um,1.4s	AML	AML					
CAFE	comp=N,1975um,1.4s	AML	AML					
CAFE	comp=N,1840um,1.4s	AML	AML					
CAFE	comp=N,1840um,0.6s	AML	AML					
CAFE	comp=N,1975um,0.6s	AML	AML					
CAFE	comp=E,3485um,0.8s	AML	AML					
CAFE	comp=E,3425um,0.8s	AML	AML					
MRB1	Monte Rocchett	1.17 217	P	Pb	01 43 28.3 +0.4			
MRB1			AML	AML				
MRB1	comp=E,3935um,0.7s	AML	AML					
MRB1	comp=E,3930um,0.7s	AML	AML					
MRB1	comp=E,3970um,0.7s	AML	AML					
MRB1	comp=N,3695um,0.4s	AML	AML					
MRB1	comp=E,3970um,1.3s	AML	AML					
MRB1	comp=N,3570um,0.4s	AML	AML					
MRB1	comp=E,3930um,1.3s	AML	AML					
PSB1	Pescosannita	1.18 224	P	Pb	01 43 28.4 +0.5			
HVAR	Hvar	1.18 20	P	Pb	01 43 28.6 +0.7			
AND3	Andretta	1.22 201	P	Pb	01 43 29.2 +0.6			
SNAL	S. Angelo Dei	1.26 205	P	Pn	01 43 28.8 0.0			
SNAL	comp=E,2335um,0.5s	AML	AML					
SNAL	comp=N,3200um,0.9s	AML	AML					
SNAL	comp=N,3175um,0.9s	AML	AML					
SNAL	comp=N,3200um,1.1s	AML	AML					
SNAL	comp=E,2335um,0.5s	AML	AML					
SNAL	comp=N,3175um,1.1s	AML	AML					
AMUR	Altamura	1.28 155	P	Pn	01 43 29.1 +0.1			
AMUR			S	Sb	01 43 46.0 +0.4			
AMUR	comp=E,4905um,0.3s	AML	AML					
AMUR	comp=N,4390um,1.6s	AML	AML					
AMUR	comp=N,4390um,0.4s	AML	AML					
LPEL	Lama dei Pelig	1.28 270	P	Pb	01 43 30.2 +0.6			
LPEL	comp=N,2795um,0.4s	AML	AML					
LPEL	comp=E,2935um,0.2s	AML	AML					
ACER	Acerenza	1.28 179	P	Pb	01 43 29.6 -0.1			
ACER			S	Sb	01 43 46.7 +0.9			
ACER	comp=E,6450um,0.4s	AML	AML					
ACER	comp=N,7025um,0.5s	AML	AML					
ACER	comp=E,6445um,0.4s	AML	AML					
ACER	comp=N,7340um,0.5s	AML	AML					
ACER	comp=E,6760um,0.4s	AML	AML					
LIQ3	Lioni	1.29 205	P	Pn	01 43 29.1 -0.1			
VITU	Vitulano (BN)	1.30 227	P	Pb	01 43 30.5 +0.5			
VITU	comp=E,1190um,0.3s	AML	AML					
VITU	comp=E,4990um,0.4s	AML	AML					
VITU	comp=N,4125um,0.4s	AML	AML					
VITU	comp=N,4310um,0.4s	AML	AML					
VITU	comp=N,4125um,1.6s	AML	AML					
SGG	Gregorio Mates	1.33 240	P	Pb	01 43 30.9 +0.4			
SGG	comp=N,9.0nm,0.5s	AML	AML					
SGG	comp=E,2395um,0.5s	AML	AML					
SGG	comp=E,7.5nm,0.5s	AML	AML					
SGG	comp=N,2840um,0.5s	AML	AML					
MTMR	Montemarano	1.33 211	P	Pb	01 43 30.3 -0.3			
MTMR	comp=E,1900um,0.6s	AML	AML					
MTMR	comp=N,2425um,0.5s	AML	AML					
N3C3	Nusco	1.35 206	P	Pn	01 43 30.4 +0.2			
MCRV	Calabretti - M	1.40 203	P	Pn	01 43 30.1 -0.7			
VAGA	Valle Agricola	1.41 243	P	Pb	01 43 32.4 +0.5			
VAGA	comp=E,2035um,0.3s	AML	AML					
VAGA	comp=N,3460um,0.3s	AML	AML					
VAGA	comp=E,2145um,0.3s	AML	AML					

2017 NOV

VAGA	comp=N,3570um,0.3s	AML	AML					
PZUN	Potenza	1.43 183	P	Pb	01 43 32.1 0.0			
PZUN	comp=E,3010um,1.1s	AML	AML					
PZUN	comp=N,2195um,1.3s	AML	AML					
PZUN	comp=N,2245um,1.4s	AML	AML					
PZUN	comp=E,3010um,1.1s	AML	AML					
PZUN	comp=N,2195um,1.3s	AML	AML					
PZUN	comp=E,2935um,0.7s	AML	AML					
PZUN	comp=N,2195um,0.7s	AML	AML					
PZUN	comp=E,3010um,0.9s	AML	AML					
SNR3	Senerchia	1.44 202	P	Pb	01 43 31.9 -0.5			
PAOL	Paolisi	1.44 224	P	Pb	01 43 32.5 0.0			
PAOL	comp=E,1152um,1.2s	AML	AML					
PAOL	comp=N,1465um,1.4s	AML	AML					
PAOL	comp=E,1152um,1.2s	AML	AML					
PAOL	comp=N,1465um,1.4s	AML	AML					
PAOL	comp=E,1152um,1.2s	AML	AML					
PAOL	comp=N,1615um,1.4s	AML	AML					
PAOL	comp=N,1615um,0.6s	AML	AML					
COL3	Colliano	1.45 197	P	Pn	01 43 31.4 0.0			
CERA	Filignano	1.48 252	P	Pg	01 43 34.2 -0.7			
CERA	comp=E,2785um,0.5s	AML	AML					
CERA	comp=E,2845um,0.5s	AML	AML					
CERA	comp=N,2540um,0.7s	AML	AML					
CERA	comp=E,2845um,1.5s	AML	AML					
CERA	comp=N,2485um,0.7s	AML	AML					
CERA	comp=E,2785um,1.5s	AML	AML					
INTR	Introdacqua	1.49 268	P	Pb	01 43 33.7 +0.4			
INTR	comp=E,2um,0.3s	AML	AML					
INTR	comp=N,3um,0.6s	AML	AML					
INTR	comp=E,1920um,0.3s	AML	AML					
INTR	comp=N,4580um,0.6s	AML	AML					
INTR	comp=E,2um,0.3s	AML	AML					
MIGL	Miglianico	1.52 164	P	Pb	01 43 33.6 -0.2			
MIGL	comp=N,11500um,0.3s	AML	AML					
MIGL	comp=N,11500um,1.7s	AML	AML					
MIGL	comp=E,11750um,0.3s	AML	AML					
MATE	Matera	1.54 157	P	Pb	01 43 33.5 -0.6			
MATE	comp=N,6585um,0.6s	AML	AML					
MATE	comp=E,6945um,1.1s	AML	AML					
MATE	comp=N,6585um,0.6s	AML	AML					
MATE	comp=N,6945um,1.1s	AML	AML					
NOCI	Noci	1.55 145	P	Pn	01 43 32.4 -0.4			
NOCI	comp=E,3145um,0.3s	AML	AML					
NOCI	comp=N,2795um,0.3s	AML	AML					
PTRP	Pietrapertosa	1.55 175	P	Pb	01 43 34.5 +0.2			
PTRP	comp=E,5270um,1.5s	AML	AML					
PTRP	comp=N,4795um,1.2s	AML	AML					
PTRP	comp=N,4795um,0.8s	AML	AML					
PTRP	comp=E,5270um,0.5s	AML	AML					
STON	Ston	1.55 58	ePg	Pb	01 43 35.2 +0.9			
STON	comp=N,1195um,0.5s	AML	AML					
STON	comp=N,1195um,0.5s	AML	AML					
STON	comp=N,1380um,0.5s	AML	AML					
STON	comp=N,1035um,0.4s	AML	AML					
PIGN	Pignataro Magg	1.56 237	P	Pb	01 43 34.4 +0.1			
PIGN	comp=E,1245um,0.7s	AML	AML					
PIGN	comp=N,1000um,0.6s	AML	AML					
PIGN	comp=N,1195um,0.7s	AML	AML					
PIGN	comp=N,916um,0.6s	AML	AML					
PIGN	comp=E,1245um,1.3s	AML	AML					
PIGN	comp=N,1195um,1.3s	AML	AML					
VCCEL	Villa Celiera	1.56 283	P	Pb	01 43 35.2 +0.7			
VCCEL	comp=N,2245um,0.4s	AML	AML					
T0110	Collepietro	1.58 276	P	Pb	01 43 35.2 +0.3			
T0110	comp=E,3110um,0.4s	AML	AML					
T0110	comp=E,3110um,1.6s	AML	AML					
T0110								

27d 1h

Table with columns for station name, frequency, power, and coordinates. Includes stations like Bratogost, Marolino, Gualdo di Mace, etc.

2017 NOV

Table with columns for station name, frequency, power, and coordinates. Includes stations like MGAB, PRIJ, RUDO, etc.

1822

Table with columns for station name, frequency, power, and coordinates. Includes stations like MBDF, KHC, MAUC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Pan de Azucar, Diego Aracena, IPOC Station P, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Tech, Renai, WHP, WUSB, etc.

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like JAOM, JHJ, BSO1, etc.

ISK 27 02:06:17.9, 37°09'N-28°58'E, h5km, ML3.0/25
AFAD 27 02:06:18.4, 0.0, 37°12'N-28°56'E, h17km, 1km, ML2.9

ISK 27 02:10:10.2, 1.1, 37°14'N-02°28.57'E, 0.02, h3km, 10km, n55, c097774, Turkey

IDC 27 02:13:59.8, 1.0, 31°29'N, 141°55'E, h0km, mb3.8/8, mbtmp3.8/11, ML3.3/3, Error ellipse: s-maj=35.5km

IDC 27 02:07:25.7, 2.4, 31°11'N-19°10'E, h0km, mb3.5/2, mbtmp3.4/3, ML3.1/1, Error ellipse: s-maj=251.4km

JMA 27 02:14:00.9, 0.7, 32°N, 142°E, h32km, MV3.9/20, NEAR TORISHIMA IS

NIED 27 02:14:00.9, 31°55'N-142°03'E, h32km, MW3.9, Moment Tensor Solution, s3 Moment tensor: Scale 10^14 Nm

ISC 27 02:14:02.0, 0.8, 31°43'N-0°16.14'E, 0.1, h29km, m20, c294/25, mb3.9/8, Southeast of Honshu

AFAD 27 02:09:19.3, 0.0, 37°13'N-28°58'E, h7km, 3km, ML1.9

27d 2h

1.0nm, 0.6s, baz=4.6, slow=7.6, SNR=17
1.0nm, 0.6s
ILAR Eielson Array 54.12 30 P
ASAR Alice Springs 55.30 189 P
TXAR Lajitas Array 92.39 53 P

SJA 27 02:14:08.9-0.7, 31.95Sx71.84W, h40km, 694km, ML3.4,
GUC 27 02:14:12.3-0.9, 32.05Sx71.61W, h60km, 5km, ML3.5
ISC 27 02:14:10.1-1.5, 31.98S, 0.03x71.84W, 0.06, h29km, 14km,
n54, c1509/87, 8C, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Lists various stations like CO02, VA01, ROCH, etc.

2017 NOV

AAGR comp=Z,150nm,0.4s
RTVC Cerro Valdivia 2.81 89 eP
RTVC Cerro Villucun 2.94 78 eS
ACDV Cuesta del Vie 2.94 53 eP

BO02 Sierra Bellavi 2.95 163 eP
BO02 Sierra Bellavi 02 15 55.7 +0.7
BO02 Sierra Bellavi 02 15 57.9 -1.9

BO02 Sierra Bellavi 2.95 163 iP
GO05 Huala 3.03 181 eP
GO05 Huala 02 15 56.6 +0.5
GO05 Huala 02 15 57.9 +0.3

WRA Warramunga Arr 49.97 257 P
ASAR Alice Springs 50.23 252 P

ISC 27 02:14:17.6:28.0, 26.18N:97.02E, h0km, mb3.4/4,
mbtmp3.4/4, Error ellipse: s-maj=451.0km s-min=75.7km
az=167.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Lists stations like STKA, WRA, ASAR, etc.

ISC 27 02:56:54.3, 30.33N:0.3:95.0E:0.3, h10km, n12,
c1958/11, Xizang

OTT 27 02:48:59.0-1.0, 43.87N:75.31W, h5km, MN2.3/14, New
York, U.S. 85km south from Brockville, On Eastern
Background Seismic Zone.

NEIC 27 02:48:58.8-1.2, 43.86N:0.01:75.30W:0.02, h5km, 1km,
Error ellipse: s-maj=3.0km s-min=2.5km az=158.0

LDO 27 02:48:59.3-1.4, 43.86N:0.02:75.32W:0.02, h5km, 5km,
ML1.8, ML2.0/12(NEIC), Error ellipse: s-maj=2.9km
s-min=1.8km az=140.0

ISC 27 02:48:57.7-1.2, 43.87N:0.02:75.29W:0.02, h0km, 10km,
n44, c972/70, New York

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Lists stations like J58A, J57A, J59A, etc.

DELO DELO 02 15 14.6
GAC Glen Almond 1.84 356 PN
GAC Glen Almond 02 14 55.2 +0.3

J55A Hiltion 1.93 253 Pn
J55A Hiltion 02 14 55.5 +0.5
J55A Hiltion 02 15 56.6 +0.5

J61A Chester 2.06 104 Pn
J61A Hanover 2.19 93 Pn
WVLO Wesleyville 2.24 272 Pn

PEMO Pembroke 2.28 323 PN
PEMO Pembroke 02 50 05.0 -0.2

ISC 27 02:52:24.8:9.1, 7.11S:130.66E, h104km, 96km, mb3.6/1,
mbtmp4.1/4, ML4.1/3, MS2.7/1, Error ellipse:
s-maj=79.6km s-min=29.5km az=30.0, Tanimbar Islands
region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Lists stations like BATI, WRA, ASAR, etc.

ISC 27 02:56:50.0-1.3, 31.23N:88.32W, h0km, mb3.9/7,
mbtmp3.9/8, ML3.4/1, MS3.0/6, Error ellipse: s-maj=52.0km
s-min=23.6km az=49.0

CATAC 27 02:56:57.6-0.2, 12.88N:88.85W, h34km, 3km, MB5.1,
mb4.6, ML4.5, Hypocentre not reviewed by the ISC

SNET 27 02:56:57.7-0.9, 12.95N:88.83W, h54km, ML4.5
NEIC 27 02:56:58.9-2.7, 13.00N:0.08:88.78W:0.08, h67km, 8km,
mb4.2/82, Error ellipse: s-maj=15.2km s-min=6.7km
az=224.0

GCG 27 02:56:59.6-1.4, 14.55N:88.92W, h209km, 17km, MD4.2
ISC 27 02:56:58.2-0.9, 13.02N:0.06:88.76W:0.04, h64km, 7km,
n164, c1926/177, mb4.2/41, 21C-48D, El Salvador

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Lists stations like ALJI, TECA, UESV, etc.

LOMA	comp=Z,20µm,1.0s	IAML		02 57 25.6
AEIL	Aeropuerto Ilo	0.75 333	eP	Pn
AEIL			eS	02 57 13.3 -0.1
AEIL			eS	02 57 25.0 +0.4
UEBS	Universidad Do	0.79 331	iP	Pn
UEBS			eS	02 57 13.5 +0.3
UEBS			eS	02 57 25.3 0.0
UEBS	Universidad Do	0.79 331	iP	Pn
UEBS			iS	02 57 13.5
UEBS			iS	02 57 25.3
UEBS			iS	02 57 26.7
IGN	comp=Z,25µm,1.0s			
IGN	Direccin Gen	0.79 330	eP	Pn
IGN			eS	02 57 13.6 -0.4
IGN			eS	02 57 13.6
IGN	Direccin Gen	0.79 330	iP	Pn
IGN			iS	02 57 13.6
IGN			iS	02 57 24.8
IGN			iS	02 57 26.2
LFU	comp=Z,70µm,1.0s			
UTEUC	La Fuente	0.80 335	iP	Pn
UTEUC			iS	02 57 13.9 -0.1
UTEUC	Universidad Te	0.80 328	iP	Pn
UTEUC			iS	02 57 13.5
UTEUC			iS	02 57 25.4
UTEUC			iS	02 57 26.2
SNET	comp=Z,11µm,1.0s			
SNET	Serv Nac Est T	0.80 325	eP	Pn
SNET			eS	02 57 13.2 -0.8
SNET			eS	02 57 24.4 -1.3
SNET	Serv Nac Est T	0.80 325	iP	Pn
SNET			iS	02 57 13.5 -0.6
SNET			iS	02 57 24.9 -0.8
SNET	Serv Nac Est T	0.80 325	iP	Pn
SNET			iS	02 57 13.4
SNET			iS	02 57 25.2
SNET			iS	02 57 28.2
SEMO	comp=Z,31µm,1.0s			
SEMO	Seminario San	0.81 327	iP	Pn
SEMO			iS	02 57 13.5
SEMO			iS	02 57 25.5
SEMO			iS	02 57 26.4
ITCA	comp=Z,40µm,1.0s			
ITCA	Escuela Especi	0.82 322	iP	Pn
ITCA			iS	02 57 13.7
ITCA			iS	02 57 25.4
ITCA			iS	02 57 32.2
UEES	comp=Z,16µm,1.0s			
UEES	Universidad Ev	0.83 326	iP	Pn
UEES			iS	02 57 13.9 -0.5
UEES	Universidad Ev	0.83 326	iP	Pn
UEES			iS	02 57 13.9
UEES			iS	02 57 25.6
UEES			iS	02 57 31.7
MAGS	comp=Z,7µm,1.0s			
MAGS	Ministerio de	0.83 322	iP	Pn
MAGS			iS	02 57 13.9
MAGS			iS	02 57 25.8
MAGS			iS	02 57 33.2
BOQS	comp=Z,6µm,1.0s			
PMON	Boqueron	0.87 325	eP	Pn
PMON			eS	02 57 14.7 -0.4
PMON	Piamonte	0.87 322	eP	Pn
PMON			eS	02 57 14.3 -0.6
PMON	Piamonte	0.87 322	iP	Pn
PMON			iS	02 57 14.3
PMON			iS	02 57 26.5
PMON			iS	02 57 35.4
LCND	comp=Z,14µm,1.0s			
LCND	La Caada	0.90 71	eP	Pn
LCND			eS	02 57 15.7 +0.6
LCND			eS	02 57 29.3 +1.6
LCND	La Caada	0.90 71	iP	Pn
LCND			iS	02 57 29.6
LCND			iS	02 57 15.7
LCND			iS	02 57 18.0
LCND			iS	02 57 30.0
LCND			iS	02 57 33.5
LCND	comp=Z,27µm,1.0s			
LCND			iS	02 57 33.5
JAYA	comp=Z,16µm,1.0s			
JAYA	Jayaque - finc	0.92 313	iP	Pn
JAYA			iS	02 57 14.6
JAYA			iS	02 57 28.2
CNCH	comp=Z,31µm,1.0s			
CNCH	Conchagua	0.94 74	eP	Pn
CNCH			eS	02 57 16.3 +0.5
CNCH	Conchagua	0.94 74	iP	Pn
CNCH			iS	02 57 16.3
CNCH			iS	02 57 32.2
QUEZ	comp=Z,16µm,1.0s			
QUEZ	Alcaldia de Qu	0.95 329	iP	Pn
QUEZ			iS	02 57 15.7
QUEZ			iS	02 57 29.0
QUEZ			iS	02 57 30.2
CEDA	comp=Z,21µm,1.0s			
CEDA	San Andres	0.99 322	eS	Pn
CEDA			eS	02 57 29.4 -0.4
CEDA	San Andres	0.99 322	iP	Pn
CEDA			iS	02 57 15.9
CEDA			iS	02 57 33.0
AMPH	comp=Z,17µm,1.0s			
AMPH	Amapala	1.11 76	iP	Pn
AMPH			iS	02 57 18.6
AMPH			iS	02 57 34.0
LLGN	comp=Z,2µm,1.0s			
LLGN	La Laguna	1.15 351	iP	Pn
LLGN			iS	02 57 18.8
LLGN			iS	02 57 18.9
LLGN			iS	02 57 34.4
CEVE	comp=Z,9µm,1.0s			
CEVE	Cerro Verde	1.16 314	eP	Pn
CEVE			eS	02 57 18.9 +0.2
CEVE	Cerro Verde	1.16 314	iP	Pn
CEVE			iS	02 57 18.5
CEVE			iS	02 57 34.5
CEVE			iS	02 57 41.0
SBSL	comp=Z,9µm,1.0s			
SBSL	San Blas	1.17 314	eP	Pn
SBSL			eS	02 57 18.8 0.0
SNJE	comp=Z,9µm,1.0s			
SNJE	San Jose	1.17 316	eP	Pn
SNJE			eS	02 57 18.7 -0.2
CSGN	comp=Z,24µm,1.0s			
CSGN	Cosiguina Volc	1.18 92	eP	Pn
CSGN			eS	02 57 19.2
CSGN			eS	02 57 40.7
UNIC	comp=Z,24µm,1.0s			
UNIC	Universidad Ca	1.22 321	iP	Pn
UNIC			iS	02 57 19.1
UNIC			iS	02 57 34.9
UNIC			iS	02 57 37.1
RTR	comp=Z,3µm,1.0s			
POTN	Ei Retiro	1.22 315	eP	Pn
POTN			eS	02 57 19.7
POTN	Potosi Cosigui	1.23 91	iP	Pn
POTN			iS	02 57 36.4
POTN			iS	02 57 38.2
NUBE	comp=Z,2µm,1.0s			
NUBE	Las Nubes	1.32 312	eP	Pn
NUBE			eS	02 57 20.4 -0.4
NUBE	Las Nubes	1.32 312	iP	Pn
NUBE			iS	02 57 20.3
NUBE			iS	02 57 36.4
NUBE			iS	02 57 40.1
LOAL	comp=Z,6µm,1.0s			
LOAL	Lomas de Alarc	1.38 315	iP	Pn
LOAL			iS	02 57 21.5
LOAL			iS	02 57 40.1
LOAL			iS	02 57 43.0
SLOZ	comp=Z,6µm,1.0s			
SLOZ	Alcaldia de Sa	1.41 315	eP	Pn
SLOZ			eS	02 57 21.6 -0.2
INTNH	comp=Z,6µm,1.0s			
INTNH	La Esperanza I	1.44 27	iP	Pn
INTNH			iS	02 57 23.5
MTOS	comp=Z,6µm,1.0s			
MTOS	Montecristo	1.48 337	Pn	Pn
MTOS			eS	02 57 23.2 +0.1
MTOS	Montecristo	1.48 337	iP	Pn
MTOS			iS	02 57 23.3 +0.2
MTOS	Montecristo	1.48 337	iP	Pn
MTOS			iS	02 57 23.3
MTOS			iS	02 57 39.3
MTOS			iS	02 57 48.7
JUAM	comp=Z,980nm,1.0s			
JUAM	Asuncion Mita	1.59 325	iP	Pn
JUAM			iS	02 57 24.5
JUAM			iS	02 57 24.6
JUAM	comp=Z,1µm,1.0s			
JUAM	Esquipulas	1.63 340	Pn	Pn
JUAM			iS	02 57 44.4
JUAM	Esquipulas	1.63 340	iP	Pn
JUAM			iS	02 57 25.6
JUAM			iS	02 57 45.2
JUAM			iS	02 57 54.2
CHNN	comp=Z,2µm,1.0s			
CHNN	Ei Viejo	1.65 104	iP	Pn
CHNN			iS	02 57 25.3
CHNN			iS	02 57 41.2
CHNN	comp=Z,5µm,1.0s			
CHNN	San Cristobal	1.70 101	Pn	Pn
CHNN			iS	02 57 44.7
CHNN	San Cristobal	1.70 101	iP	Pn
CHNN			iS	02 57 26.2 +0.4
CHNN			iS	02 57 26.5
CHNN			iS	02 57 48.7
CHNN			iS	02 57 51.6
SARH	comp=Z,9µm,1.0s			
SARH	Santa Rosa de	1.74 0	iP	Pn
SARH			iS	02 57 27.7
SARH			iS	02 57 42.0
TGUH	comp=Z,6µm,1.0s			
TGUH	Tegucigalpa,Un	1.78 55	Pn	Pn
TGUH			eS	02 57 27.6 +0.7
TGUH	Tegucigalpa,Un	1.78 55	iP	Pn
TGUH			iS	02 57 28.0
TGUH			iS	02 57 35.4
PKGN	comp=Z,2µm,1.0s			
PKGN	Cerro Pekin	1.78 101	iP	Pn
PKGN			iS	02 57 26.9
PKGN			iS	02 57 49.6
PKGN			iS	02 57 53.7
JAMO	comp=Z,11µm,1.0s			
JAMO	Morjas	1.82 324	iP	Pn
JAMO			iS	02 57 27.8
JAMO			iS	02 58 14.8
COMHN	comp=Z,2µm,1.0s			
COMHN	Ei Horro	1.84 40	iP	Pn
COMHN			iS	02 57 28.4
QUEN	comp=Z,2µm,1.0s			
QUEN	Al S del Volca	1.91 103	iP	Pn
QUEN			iS	02 57 28.9
QUEN			iS	02 57 52.7
QUEN			iS	02 57 55.1
HOYN	comp=Z,6µm,1.0s			
HOYN	Al Sur del Vol	1.94 102	iP	Pn
HOYN			iS	02 57 32.5
HOYN			iS	02 57 53.2
HOYN			iS	02 58 51.2
POLN	comp=Z,48nm,1.0s			
POLN	Al Sur del Vol	1.94 101	iP	Pn
POLN			iS	02 57 29.1
POLN			iS	02 57 52.5
POLN			iS	02 57 55.0

ROCN	comp=Z,21nm,1.0s			
ROCN	Rota Cerro Neg	2.03 104	iP	Pn
ROCN			iS	02 57 30.4
ROCN			iS	02 57 55.3
ROCN			iS	02 57 57.9
ILCN	comp=Z,1µm,1.0s			
ILCN	San Idefonso	2.06 102	iP	Pn
ILCN			iS	02 57 30.7
ILCN			iS	02 57 54.9
ILCN			iS	02 58 05.4
CNGA	comp=Z,550nm,1.0s			
CNGA	AI SSO del Vol	2.08 104	iP	Pn
CNGA			iS	02 57 30.9
CNGA			iS	02 57 55.1
CNGA			iS	02 57 59.4
CNGN	comp=Z,2µm,1.0s			
CNGN	Cerro Negro	2.08 104	Pn	Pn
CNGN			iS	02 57 30.3 -0.6
CNGN	Cerro Negro	2.08 104	iP	Pn
CNGN			iS	02 57 30.9
CNGN			iS	02 57 66.8
CNGN			iS	02 58 03.

27d 3h

Table with columns: POTG, POTG, POTG, PIRO, PIRO, CMIG, CMIG, TEIG, TEIG, TEIG, CDITO, CDITO, CDITO, SDV, SDV, 352A, 352A, HNDO, HNDO, 152A, 152A, LRAL, LRAL, BRDY, BRDY, BAUV, BAUV, Y48A, Y48A, GOGA, GOGA, OZNA, OZNA, Y52A, Y52A, TXAR, TXAR, TXAR, TXAR, TX32, TX32, FPAL, FPAL, MIAR, MIAR, HDGE, HDGE, JSC, JSC, Y57A, Y57A, X37A, X37A, MNHN, MNHN, BG3, BG3, ATAH, ATAH, PAUL, PAUL, CPCT, CPCT, APMT, APMT, FCAR, FCAR, TKLR, TKLR, Y60A, Y60A, W53A, W53A, W57A, W57A, WMOK, WMOK, FNO, FNO, TZTN, TZTN, T47A, T47A, OK052, OK052, MGMO, MGMO, V58A, V58A, SMWD, SMWD, S39A, S39A, S39A, S39A, CCM, CCM, T57A, T57A, R55A, R55A, P40A, P40A, Q54A, Q54A, S22A, S22A, ETMB, ETMB, O20A, O20A, MACA, MACA, SPMN, SPMN, PFO, PFO, SADO, SADO

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Table with columns: SAML, RSSD, PDAR, PDAR, EYMM, AGMN, SNOW, ULM, DGMT, VILB, EGMT, FFC, FFC, EDM, SCH, FCC, H03N2, H03N1, H03N3, BDFB, BDFB, YKA, DLBC, DLBC, M29M, M29M, I30M, INK, G29M, E29M, F28M, F28M, G27K, E29M, E27K, GHO, ILAR, ILAR, D27M, D27M, BMAR, SKT, D25K, D25K, J20K, J20K, C23K, D22K, D22K, WRA, ASAR, PZH, TEH, NEIC, ISN, IDC, DSN, AZER, Code, Station Name, Az, Phase ID, Time, Res

1826

Table with columns: ASTR, YRD, YRD, SBZ, SBZ, LKRN, LKRN, MAKU, KLST, IPHR, GUR, GAMS, GAMS, QRD, QRD, JHBN, GLBA, GLBA, GLBA, HYR, HYR, MZPU, MZPU, IBL, BLO, BLO, IDMV, KRSH, ISFB, GANI, GANI, GNI, IBRJ, IBRJ, IGAR, IZEF, IZEF, IKLN, IKLN, IRAM, IRAM, ANAR, ARPR, ASF, ASF, ASF, ORNJ, WALJ, WALJ, TNSJ, TNSJ, GHAJ, GHAJ, KARJ, KARJ, NATI, NATI, TPRV, TPRV, YTRJ, YTRJ, MBRI, MBRI, EIL, EIL, EIL, GEYT, GEYT, GEYT, BRTR, SHME, SHME, NAZ, NAZ, NAZ, MSFE, MSFE, FAQ, FAQ, UOSS, UOSS, UOSS, HATD, HATD, ASHO, ASHO, MZR, MZR, ALNE, ALNE, SOHO, WSAR, WSAR, IDI, IDI, IDI, BELG, BELG, BELG, ABKAR, ABKAR, ABKAR, AKTO, AKTO, SHAO, SHAO, KBL, KBL, AKASG, AKASG, SOKA, SOKA, OBKA, OBKA, WTTA, WTTA, KURBB, KURBB, SQTA, SQTA, MOTA, MOTA, CLL, CLL, FETA, FETA, RETU, RETU

27d 4h

Table of astronomical observations for 27d 4h, listing station names (e.g., ULM, NEEM, ANMO), station IDs, coordinates, and observation times.

2017 NOV

Table of astronomical observations for 2017 NOV, listing station names (e.g., MKAR, BVAR, BRVK), station IDs, coordinates, and observation times.

1828

Table of astronomical observations for 1828, listing station names (e.g., TEOL, GNI, WRA), station IDs, coordinates, and observation times.

Station information for 1828: IDC 27 03:50:41.3-1.7, 34.56N;141.39E, h0km, mb3.7/4, Warramunga Arr 86.19 231 P, Error ellipse: s-maj=39.4km, s-min=18.5km, az=69.0.

Station information for 1828: JMA 27 03:50:42.0-2.0, 35.1N;141.1E, h36km, 2km, MV2.8/27, E OFF BOSO PENINSULA, ISC 27 03:50:42.8-1.3, 34.61N;141.00E, 0.09, h27km, n12, e225/15, mb3.9/4, Off east coast of Honshu

Table of station data for 1828, including Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC.

Station information for 1828: IDC 27 04:00:36.1-1.6, 2.92S;68.04E, h0km, mb3.6/6, mtimp3.6/6, MS3.8/35, Error ellipse: s-maj=53.6km, s-min=27.5km, az=36.0.

Station information for 1828: GCMT 27 04:00:40.0-0.4, 2.87S;0.04, 68.03E;0.05, h13km, 1km, MW4.7/74, Moment Tensor Solution, s13c14, s74c88, Duration: 0. Moment tensor: Scale 1019Nm; Mr=1.54; 1.5; Mw=1.24; 1.1; Mw0.29; 0.09; Mw0.37; 0.30; Mw0.38; 0.06; Mw0.28; 0.28; Best double couple: M=1.52200; 1016 NP1; s277.00000; s51.00000; -1.05.00000; NP2: s121.00000; s41.00000; -72.00000. Principal axes: T 1.3970, P1g5.0000, Azm18.0000; N 2.480, P1g12.0000; Azm287.0000; P -1.6470, P1g77.0000; Azm131.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

Station information for 1828: ISC 27 04:00:37.9-1.6, 2.95S;68.0E, 0.2, h11km, n42, e09/49/6, mb3.7/6, MS3.8/34, Carlsberg Ridge

Table of station data for 1828, including Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MAW, WRA, ASAR, TORD, KRSR, JNU, DBIC, KLR, ARCES, GUMO, CTA, ESDC, YAK, SPITS, QSPA, VNSA, MA2.

ASIES 27 04:03:00.9, 23°59'N; 120°73'E, h13km, ML4.3, Mw3.7. Moment Tensor Solution. Moment tensor: Scale 1021Nm; Mn0.24; Mm0.97; Mm0-0.48; Mm1-1.22; Mm2-4.45; Mm3-1.11; Fault plane solution: Mo4.80943x10^21 N P1 30.86.89000°, 375.41000°, A-165.02000°. NP2 30.353.87000°, 375.28000°, A-110.96000°. Principal axes: T P1g2.8460°, Azm219.8370°; N P1g1.7210°; Azm121.1820°; P P1g18.0410°. Azm310.7650°.

JMA 27 04:03:00.8, 0.2, 23°59'N; 120°73'E, h13km, ML4.3, MV3.7/13, TAIWAN REGION

TAP 27 04:03:00.9, 23°59'N; 120°73'E, h13km, ML4.3, B

ISC 27 04:03:01.2, 0.8, 23°59'N; 120°72'E, 0.01, h15km, 5km, 146, 0.69/264, 41C-18D, Taiwan

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Lists various seismic stations and their characteristics.

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Lists various seismic stations and their characteristics.

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Lists various seismic stations and their characteristics.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TSEB Hengchuen, Pin, NTST Danshui, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB04 IPOC Station P, PB04 IPOC Station P, etc.

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHU Hachijo jima 2, JHU Hachijo jima 2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TA01 Diego Aracena, TA01 Diego Aracena, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VA02 27 04:21:13.6, VA02 27 04:21:13.6, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CO01 Juntas del Tor, CO01 Juntas del Tor, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, MORW Morawa, KSR5 Korea Arra, etc.

ADC 27 05:06:39.8 0.7, 37.12N, 141.139E, h0km, mb4.0/18, mbmp4.021, ML3, 8/2, MS3.4/5, Error ellipse: s-maj=18.3km s-min=15.6km az=88.0

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

NEIC 27 05:06:41.7 0.2, 37.22N, 141.43E, h27km, MW4.2, Moment Tensor Solution, s Moment tensor: Scale 1015N/m; Mn=0.95; Mw=0.38; Ms=0.57; Ml=1.12; Mss=0.55; Mr=1.14;

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

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, MK31 Makanchi Array, C18K Utukok River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GRNC Granite Creek, E21K Killik River, etc.

ADC 27 05:35:08.3 2.9, 4.97S, 150.98E, h70km, mb3.1/2, mbtmp3.3/2, Error ellipse: s-maj=102.4km s-min=27.3km az=131.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRVT Keravat, WRA Warrungga Arr, etc.

ADC 27 05:55:16.2 2.2, 0.41'45N, 23.87E, h0km, mb3.5/2, mbtmp3.6/3, ML3, 1/1, MS2.9/1, Error ellipse: s-maj=52.5km s-min=19.0km az=174.0

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

27d 7h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like CZSB, CLDB, CPBS, etc.

NOU 27 06:16:51.5, 21:15S:169:01E, h0km, MLV4.1/7, Southeast of Loyalty Islands
IDC 27 06:16:57.9, 2.9, 21.48S:168:57E, h0km, mb3.6/3, mbtmp3.7/4, ML4.1/1, MS3.0/3, Error ellipse: s-maj=122.9km s-min=28.7km az=150.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like MARNC, LIFNC, QUENC, etc.

IDC 27 06:36:40.7, 2.6, 54:30N:85:94E, h0km, mbtmp3.2/2, ML2.8/2, Error ellipse: s-maj=18.9km s-min=10.5km az=53.0, Southwestern Siberia

2017 NOV

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like I46RU, ZALV, ZALV, etc.

1834

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like CHKK, CHKK, CHKK, etc.

27th 7h

Table with columns: Station, Frequency, Power, and other details. Includes stations like HHT, MRSY, WHYH, BBOO, BASI, TOLIZ, BKSI, etc.

2017 NOV

Table with columns: Station, Frequency, Power, and other details. Includes stations like TKNZ, PUZ, NMHZ, SKGZ, TKNZ, etc.

1836

Table with columns: Station, Frequency, Power, and other details. Includes stations like MAJO, Matushiro, Matushiro, Matushiro, etc.

NJ2	comp=E,7µm,22.2s	LR	LR						
LWLI	Liwa comp=E,36nm,0.9s	49.00 267	P	P	07 19 52.8	-0.3			
JMP	Marusoppu	49.23 351	P	P	07 19 54.1	-0.1			
ASAJ	Asahikawa	49.46 350	P	P	07 19 56.8	+0.9			
ASAJ	Asahikawa	49.46 350	LR	LR	07 38 00.2				
CNSH	ChangSha	50.70 312	P	P	07 20 07.0	+1.4			
CNSH			S	S	07 27 16.0	-0.3			
CNSH	comp=E,69nm,1.0s								
CNSH	comp=E,2µm,23.0s								
CNSH	comp=E,2µm,22.6s								
CNSH	comp=E,6µm,30.0s								
WHN	Wuhan	51.04 316	P	P	07 20 09.0	+0.9			
WHN			S	S	07 20 15.5	-9.5			
WHN			S	S	07 27 19.5	-1.3			
WHN	comp=E,260nm,1.0s								
WHN	comp=E,3µm,4.3s								
WHN	comp=E,6µm,16.6s								
WHN	comp=E,17µm,26.1s								
WHN	comp=E,30µm,32.8s								
MSHR	Mys Shuitsa	51.08 339	ceP	P	07 20 08.5	+0.3			
MSHR			P	P					
GULI	GuLiLin	51.15 308	P	P	07 20 10.8	+1.7			
GULI			P	P					
GULI	comp=Z,3µm,9.6s								
GULI	comp=Z,31µm,27.3s								
GULI	comp=Z,28µm,25.0s								
GULI	comp=Z,38µm,22.9s								
PSTR	Posyet	51.27 339	eP	P	07 20 10.0	+0.4			
TEY	Ternei	51.64 345	eP	P	07 20 10.2	-2.1			
YSS	Yuzh-Sakhalins	52.19 351	P	P	07 20 17.3	+0.9			
YSS	Yuzh-Sakhalins	52.19 351	ceP	P	07 20 16.2	-0.2			
YSS			e	e	07 21 28.9				
YSS			eS	S	07 27 33.2	-2.9			
YSS			ePS	P	07 27 50.9	-1.6			
YSS	comp=Z,100nm,0.9s								
YSS	comp=Z,1µm,6.7s								
YSS	comp=N,800nm,8.6s								
YSS	comp=E,800nm,9.0s								
USA0B	Ussuriysk Arra	52.23 341	cP	P	07 20 16.6	-0.1			
USRK	Ussuriysk Ar.	52.23 341	P	P	07 20 16.4	-0.3			
USRK	Ussuriysk Ar.	52.23 341	P	P	07 20 16.3	-0.5			
USRK	comp=E,179nm,0.8s,baz=170,slow=2,SNR=147								
USRK	comp=E,36nm,0.9s,baz=158,slow=4.2,SNR=2.1								
USRK	comp=E,1.4nm,0.6s,baz=198,slow=4.2,SNR=1.0								
USRK	comp=E,17nm,1.3s,baz=161,slow=20,SNR=2.5								
USRK	comp=E,2µm,21.3s,baz=151,slow=32								
USRK	comp=E,9.2nm,1.1s,baz=211,slow=3.3,SNR=6.6								
USRK	comp=E,179nm,0.8s								
DL2	Dalian	52.25 329	P	P	07 20 16.8	-0.2			
DL2			PcP	P	07 21 28.5	+0.8			
DL2			S	S	07 27 41.8	+4.6			
DL2	comp=E,120nm,0.8s								
DL2	comp=E,1µm,6.0s								
DL2	comp=E,2µm,29.8s								
DL2	comp=E,3µm,25.5s								
DL2	comp=E,6µm,28.9s								
BKNI	Bangkinang	52.37 274	P	P	07 20 15.9	-2.5			
BKNI			S	S	07 27 33.7	-6.1			
TIA	Tai'an	52.84 323	P	P	07 20 21.3	-0.1			
TIA			S	S	07 27 55.0	+1.0			
TIA	comp=E,160nm,1.1s								
TIA	comp=E,1µm,4.1s								
TIA	comp=E,2µm,27.5s								
TIA	comp=E,2µm,24.7s								
TIA	comp=E,5µm,29.5s								
MDJ	Mudanjiang	53.42 339	P	P	07 20 25.0	-0.5			
MDJ			PcP	P	07 21 30.3	-1.7			
MDJ			P	P	07 22 26.0	-0.6			
MDJ			S	S	07 27 57.5	+4.6			
MDJ			ScS	ScS	07 30 13.8	+4.8			
MDJ			SS	SS	07 31 38.0	+2.2			
MDJ	comp=E,160nm,0.9s								
MDJ	comp=E,2µm,9.1s								
MDJ	comp=E,2µm,23.4s								
MDJ	comp=E,1µm,19.2s								
MDJ	comp=E,6µm,22.2s								
MDJ	Mudanjiang	53.42 339	P	P	07 20 25.9	+0.4			
MDJ	Mudanjiang	53.42 339	P	P	07 20 25.4	-0.1			
MDJ			P	P	07 20 42.9	+0.5			
MDJ			PcP	P	07 21 32.4	+0.5			
MDJ			P	P	07 20 26.0	-0.5			
MDJ			S	S	07 27 56.8	+2.0			
SNY	Shenyang	53.55 333	P	P	07 20 26.0	-0.5			
SNY			S	S	07 27 56.8	+2.0			
SNY	comp=E,21nm,0.9s								
SNY	comp=E,1µm,10.7s								
SNY	comp=E,1µm,24.5s								
SNY	comp=E,2µm,23.9s								
SNY	comp=E,4µm,24.5s								
NONG	Nongkai	54.29 296	P	P	07 20 32.8	+0.4			
CN2	Changchun	54.32 335	P	P	07 20 32.0	-0.1			
CN2			PcP	P	07 21 35.5	+0.1			
CN2			ScP	P	07 25 29.5	+1.3			
CN2			S	S	07 28 08.0	+2.8			
CN2	comp=E,180nm,1.0s								
CN2	comp=E,1µm,5.0s								
CN2	comp=E,2µm,18.0s								
CN2	comp=E,2µm,18.0s								
CN2	comp=E,2µm,18.0s								
ENH	Enshi	54.36 313	P	P	07 20 33.7	+1.0			
ENH	Enshi	54.36 313	P	P	07 20 32.7	0.0			
ENH			pP	pP	07 20 49.9	+0.1			
ENH			sP	sP	07 20 57.9	+0.6			
UGL	Uglegorsk	54.37 351	eP	P	07 20 32.7	+0.4			
UGL			e	e	07 28 20.4				
GYA	Guiyang	54.64 307	P	P	07 20 35.8	+0.9			
GYA			S	S	07 28 14.5	+4.2			
GYA			SS	SS	07 31 59.5	+5.3			
GYA	comp=E,110nm,1.0s								
GYA	comp=E,2µm,8.1s								
GYA	comp=E,2µm,21.6s								
GYA	comp=E,4µm,22.1s								

GYA	comp=E,7µm,21.4s								
LYN	LuoYang	54.70 319	P	P	07 20 34.8	-0.3			
LYN			PcP	P	07 21 38.5	+1.4			
LYN			SS	SS	07 31 57.0	+1.9			
LYN	comp=E,110nm,1.1s								
LYN	comp=E,2µm,11.2s								
LYN	comp=E,4µm,25.4s								
LYN	comp=E,6µm,26.1s								
LYN	comp=E,12µm,29.9s								
NAYO	Nakonayok	54.81 291	P	P	07 20 36.8	+0.6			
SRIT	Nakonsritamara	55.07 284	P	P	07 20 38.4	+0.3			
HNS	HongShan	55.08 323	P	P	07 20 38.0	+0.3			
HNS			PcP	P	07 21 39.3	+0.8			
HNS			P	P	07 22 44.5	+2.9			
HNS			S	S	07 28 15.5	0.0			
HNS	comp=E,240nm,1.0s								
HNS	comp=E,2µm,6.9s								
HNS	comp=E,640nm,18.5s								
HNS	comp=E,3µm,20.2s								
HNS	comp=E,3µm,21.0s								
SKR	Severo-Kuril's	55.15 2	eP	P	07 20 37.3	-0.6			
SKR			P	P					
SKR	comp=Z,500nm,4.3s								
SKR	comp=Z,2µm,19.0s								
SURA	Surathani	55.16 284	P	P	07 20 39.0	+0.3			
BNX	BinXian	55.17 338	P	P	07 20 37.3	-0.9			
BNX			P	P	07 22 41.3	+1.1			
BNX			S	S	07 28 12.5	-4.1			
BNX	comp=Z,410nm,0.9s								
BNX	comp=Z,660nm,8.4s								
BNX	comp=Z,2µm,29.3s								
BNX	comp=Z,2µm,25.5s								
BNX	comp=Z,5µm,31.4s								
POHA	Pohakuioa	55.88 63	P	P	07 20 45.6	+1.5			
GSI	Gunungsitoli	55.92 275	P	P	07 20 44.9	+0.6			
GSI	Gunungsitoli	55.92 275	P	P	07 20 43.2	-1.1			
GSI	Gunungsitoli	55.92 275	P	P	07 20 43.9	-0.3			
BJT	Bajijatuoli	55.98 326	P	P	07 20 45.9	+1.7			
BJI	Beijing	55.99 326	P	P	07 20 44.0	-0.2			
BJI			PcP	P	07 21 43.0	+1.0			
BJI			ScP	P	07 25 38.3	+2.7			
BJI			S	S	07 28 25.5	-2.2			
BJI	comp=Z,780nm,6.3s								
BJI	comp=Z,1µm,24.2s								
BJI	comp=Z,2µm,22.1s								
BJI	comp=Z,3µm,26.3s								
TYV	Tymovskoe	56.02 352	eP	P	07 20 44.2	0.0			
TYV			eS	S	07 28 29.2	+1.6			
TYV	comp=Z,1µm,5.6s								
TYV	comp=Z,80nm,1.2s								
TYV	comp=N,1µm,9.4s								
TIY	Taiyuan	56.66 322	P	P	07 20 49.5	+0.3			
TIY			PcP	P	07 21 45.5	+0.7			
TIY			S	S	07 28 37.5	+0.7			
TIY			ScS	ScS	07 30 35.5	+2.7			
TIY	comp=N,50nm,0.7s								
TIY	comp=N,2µm,4.5s								
TIY	comp=N,1µm,22.1s								
TIY	comp=N,3µm,20.6s								
TIY	comp=N,4µm,25.0s								
XAN	Xi'an	56.80 316	P	P	07 20 50.0	-0.2			
XAN			P	P	07 21 01.8	-5.6			
XAN			ScP	P	07 25 41.5	+2.1			
XAN			PcS	P	07 25 46.0	-0.3			
XAN			S	S	07 28 37.0	-1.7			
XAN			sS	sS	07 28 59.5	+1.0			
XAN			SS	SS	07 32 29.5	+1.6			
XAN	comp=N,310nm,1.3s								
XAN	comp=N,3µm,9.5s								
XAN	comp=N,5µm,20.9s								

27d 7h

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like Dumont d'Urville, Magadan, and various other locations.

2017 NOV

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like JIRN, M11X, CHGN, GUN, VIS, and many others.

1838

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like ILSW, ILSW, HYB, HYB, HYB, and many others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IMI Imperia, ARTF Artigos, FUSIO Fusio, LMR La Moure, LBL Lubihac, HINP Hinterfeld, AVF Avril sur Loir, LOR Lormes, SSF Saint Saule, HAU Haudompre, BGF Bois d'Agland, SFTF Sexfontaines, TCF Touix Ste Croi, CDF Champ du Feu, MEZF Maltierres J'vi, GSCL Gusciola, RJF Les Rejaudoux, MTLF Montlieux, BAIF Baives, EPF Esparros.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SNAA Sanae, VNA3 Neumayer Olump, VNA2 Neumayer-Watz, ARCES ARCES Array B, EKA Eskdalearr Arr, GERES GRESS Array B.

STR 27 07:40:55.3±0.5, 45°N±3.3'±, h5km±0km, MLV0.8/7, Error ellipse: s-maj=0.0km s-min=0.0km az=110.2, preliminary, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GDM Grand'Maison, RSL Roseleind, LSD Lago del Serru.

IDC 27 07:52:47.1±2.4, 137°33'168.02E, h0km, mb3.9/5, mbtmp3.9/5, MS4.0/1, Error ellipse: s-maj=53.9km s-min=47.2km az=28.0

NOU 27 07:53:15.6, 15°11'S±167.55E, h75km, MLv4.5/6, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DVP Devils Point, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, GUMO Guam, QSPA South Pole Qui, MKAR Makanchi Array.

IDC 27 07:54:19.9±0.6, 21°37'S±168.67E, h0km, mb4.4/17, mbtmp4.4/18, ML5.4/2, MS4.2/5, Error ellipse: s-maj=18.1km s-min=16.2km az=106.0

BGR 27 07:54:22.1, 22°07'S±170.00E, h27km, 1km NEIC 27 07:54:23.2±1.4, 21°35'S±168.5E±0.1, h10km, 1km, mb4.9/29, Error ellipse: s-maj=16.2km s-min=8.6km az=82.0

IDC 27 07:54:23.7±0.4, 21°35'S±168.54E±0.06, h20km, n162, i121/151, mb4.9/35, MS4.4/8, 4C-16D, Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, LIFNC LIFOU, PINNC Pines Island, OUCNC Ouen Island, DZM Mont Dzumac, GUMO Guam, ONTNC Ouen Toro, KOUNC Koumac, HNR Honiara, EIDS Eidsvold, TOZ Tahuroa Road, ARMA Armidale, HIZ Haulti, URZ Urewera, RTZ Ruatuhua, BKZ Black Stump, MRZ Mangatainoka, MRN Marata Terra, TCW Tony Channel, THZ Topouse, BHW Baring Head, BSWZ Blackbirch Sta, CTA Charters Tower, CTAO Charters Tower, RPZ Rata Peaks, KRVT Keravat, TOO Toolangi, STKA Stephens Creek, WRO Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, MTN Manton Dam, MTN, KNRA Kununurra, TBI Tubuai, PPT2 Papeete, SOEI Soe, BATI Baumata.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PSA00 Pilbara Seismi, MBWA Marble Bar, KAPI Kappang, TAOE Nuku Hiva Isla, TOL2 Toltoli, VNA2 Vanda, VNA1 Vanda.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SBA Scott Base, MJAR Matushiro Arr, QSPA South Pole Qui, QSPA South Pole Qui.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRSR Karsar, NJ2 Nanjing, NJ2.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like USA0B Ussuriysk Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PEAOB Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CN2 Changchun, BNX BinXian, BNX.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNS HongShan, CRAI Chiangrai, CRAI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KMI Kunming, KMI, KHTO Chiang Mai, CHTO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like XAN Xi'an, XAN, XAN, HEH Heihe, PZH PanZhihua, PZH.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HHC Hu-ho-hao-te, HHC, HHC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ELIB Elisabethberg, ELIB, TROLL Troll, Antarti, TROLL.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VNA3 Neumayer Olump, VNA2 Neumayer-Watz, VNA2 Neumayer-Watz.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BILL Billing, NVAR Mina Array Bea, NVAR, ILAR Eielson Array, ILAR.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKTO Aktyubinsk, AKTO, SPITS Spitsbergen Arr, SPITS.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ALRES ARCESS Array B, ALRES, KLMR Klimovskoe, KLMR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BDBF Brasilia, BDBF, BKAS Batin Array Be, BKAS.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NOA NORARS Array B, NOA, HFS Hagfors, HFS.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MORC Moravsky Berou, MORC, JAVC Javorina, JAVC, FLTG Flechtingen, FLTG.

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

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

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

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

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

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

BRG	Berggiesshubel	144.44 332	Amp	08 21 11.0
CLL	Colim	144.53 333	ex	08 14 42.0
CLL	Colim	144.53 333	i PKPbc	08 13 57.7 +0.6
CLL	Colim	144.53 333	i PKPbc	08 13 58.0 +0.8
CLL	Colim	144.53 333	i pPKPbc	08 14 04.9 +2.7
KRUC	Moravsky	144.56 328	ePKP	08 13 58.9 +0.2
FBE	Freiberg	144.66 333	ePKPbc	08 13 58.5 +0.9
GOPC	GO Pecny, Ondr	144.75 330	ePKP	08 14 05.9 +3.1
ZVC	Zvikov	145.36 330	ePKP	08 14 00.8 +0.7
TANN	Tannenberghsta	145.42 333	ePKPbc	08 14 00.6 +0.4
TANN	Werda	145.46 333	ePKPbc	08 14 08.4 +0.7
WERD	Werda	145.46 333	ePKPbc	08 14 00.5 +0.3
EKA	Eskdalemair Ar	145.50 352	PKPbc	08 13 59.4 -0.7
RONA	Rosalia, Austr	145.50 326	ePKP	08 14 00.8 +0.4
GUNZ	Gunzen	145.51 333	ePKPbc	08 14 01.1 +0.4
GTGT	Gottingen	145.55 336	ePKPbc	08 14 00.6 +0.3
GTGT	Wernitzgruen	145.55 333	ePKPbc	08 14 08.8 +0.7
WERN	Wernitzgruen	145.55 333	ePKPbc	08 14 01.0 +0.7
NKC	Novy Kostel	145.56 333	ePKP	08 14 00.4 0.0
CONA	Conrad Observa	145.57 327	ePKP	08 14 00.7 +0.1
COXA	Moxa	145.60 334	ePKPbc	08 14 01.1 +0.4
MOX	Ibbenburen	145.71 339	ePKPbc	08 14 01.7 +0.5
IBBN	Ibbenburen	145.71 339	ePKPbc	08 14 00.9 +0.4
IBBN	Ibbenburen	145.71 339	ePKPbc	08 14 09.4 +0.6
CKRC	Cesky Krumlov	145.74 329	ePKP	08 14 01.6 +0.4
KHC	Kasperske Hory	145.86 330	ePKP	08 14 01.4 +0.4
MANZ	Manzenberg	145.89 333	ePKPbc	08 14 01.9 +0.3
GE2C	GERESS Array S	146.01 330	ePKPbc	08 14 02.3 +0.2
GERES	GERESS Array B	146.01 330	ePKPbc	08 14 02.5 +0.4
ROTZ	Rotzenmühle	146.01 332	ePKPbc	08 14 02.4 +0.4
ROTZ	Wetzell	146.17 331	ePKPbc	08 14 10.2 +0.7
WETZ	Wetzell	146.17 331	ePKPbc	08 14 02.8 +0.3
ARSA	Arzberg	146.19 326	ePKP	08 14 02.6 0.0
KASTN	Kahler Asten	146.40 337	ePKPbc	08 14 03.0 -0.1
KASTN	Kahler Asten	146.40 337	ePKPbc	08 14 11.0 +0.5
MOA	Molin	146.43 328	i PKP	08 14 04.6 +0.4
SOKA	Soboth	146.82 326	ePKP	08 14 04.2 -0.4
OBKA	Obir	147.18 326	ePKP	08 14 05.9 +0.3
TNS	Tanus Mts	147.18 336	ePKPbc	08 14 05.9 +0.5
LESA	Schwarzsteintal	147.50 329	ePKP	08 14 07.1 +0.7
MYKA	Terra Mystica	147.57 327	ePKP	08 14 06.7 +0.1
BTNL	Ternell	147.71 339	dPKP	08 14 06.8 0.0
MEM	Membach	147.73 339	dPKP	08 14 07.2 +0.4
BSTI	Sart Tilman	147.90 339	dPKP	08 14 07.8 +0.5
BHOU	Houvezne	147.95 339	dPKP	08 14 08.2 +0.7
ABTA	Abfalterbach	148.05 328	i PKP	08 14 08.0 +0.1
WATA	Walderalm	148.08 330	i PKP	08 14 08.8 +0.7
WTTA	Wattenberg	148.11 330	i PKP	08 14 09.0 +0.8
MOTA	Moosalm	148.30 330	ePKP	08 14 08.6 -0.1
SQTA	Sankt Quirin	148.34 330	ePKP	08 14 08.4 -0.4
RETA	Reutte	148.35 331	i PKP	08 14 09.1 +0.4
RCHF	Rochefort	148.38 339	dPKP	08 14 08.8 +0.2
BRMD	Maredsous	148.40 340	dPKP	08 14 08.6 0.0
WLF	Walfardange	148.48 338	dPKP	08 14 09.6 +0.8
WLF	Walfardange	148.48 338	ePKPbc	08 14 09.8 +1.0
UBR	Ueberruh	148.50 332	ePKPbc	08 14 09.3 +0.3
UBR	Ueberruh	148.50 332	ePKPbc	08 14 17.2 +0.7
DOU	Dourbes	148.63 340	dPKP	08 14 09.4 +0.2
FETA	Feichtun	148.71 330	ePKP	08 14 09.7 0.0
BFO	Black Forest	148.75 334	ePKPbc	08 14 09.7 +0.1
DAVA	Damuels	148.90 331	i PKP	08 14 10.7 +0.5
ESDC	Sonsec Array	160.64 342	PKPab	08 15 03.6 -0.4

KRSC 27 07:58:23.21.1, 53.91N:168.75E, h42km, 26km, M13.9, Komandorsky Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
BKI	Bering	2.08 310	Op	07 58 57.3 +1.9	Pg
BKI	Bering	2.08 310	Pn	07 59 22.9 +2.9	Pg
TUMD	Tumrok D	5.03 288	eS	08 00 47.9 +4.9	Pg
TUMD	Tumrok D	5.03 288	Sn	08 00 47.9 +4.9	Pg
TUMR	Tumrok	5.19 289	eP	07 59 43.0 +4.6	Pg
KMNR	Kamenistaya	5.26 294	eP	07 59 43.7 +4.5	Pg
SPN	Mys Shipunski	5.27 265	eP	07 59 43.7 +4.3	Pg
SPN	Mys Shipunski	5.27 265	Sn	08 00 44.3 +5.5	Pg
NLC	Nalytchevo	5.66 266	eP	07 59 50.9 +5.4	Pg
UGLR	Uglovaya	5.96 267	eP	07 59 53.9 +5.0	Pg
SMAR	Somma	5.96 268	eP	07 59 54.5 +5.5	Pg
AVH	Avacha	6.00 268	eP	07 59 54.2 +4.8	Pg
KRX	Arik	6.03 269	eP	07 59 54.4 +4.5	Pg
KOK	Koryaka	6.05 268	eP	07 59 54.3 +4.2	Pg
KRMR	Karymshinskiy	6.45 265	eP	07 59 53.9 +4.3	Pg
KRMR	Karymshinskiy	6.45 265	eS	08 01 11.3 +3.7	Pg
MTVR	Mutnovka	6.51 262	eP	08 00 01.2 +4.8	Pg
MTVR	Mutnovka	6.51 262	eS	08 01 13.8 +4.3	Pg
GRL	Gorelyy	6.55 262	eP	08 00 02.2 +5.2	Pg
ASAK	Asacha	6.70 261	eP	08 00 04.2 +5.2	Pg
KDTR	Khodutka, Kamc	6.79 256	eP	08 00 05.0 +4.8	Pg
KDTR	Khodutka, Kamc	6.79 256	eS	08 01 20.3 +4.0	Pg

NNC 27 08:08:01.2.0.5, 44°40'N:78°85'E, h0km, mb2.8, mpv2.5, Error ellipse: s-maj=4.1km s-min=3.2km az=122.0

SOME 27 08:08:01.0, 44.43N:78.32E, h10km, 5C-5D, Eastern

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
KNOS	Konyrilen	0.27 106	P	08 08 06.8 +0.2	Pg
KNOS	Konyrilen	0.27 106	S	08 08 10.8 +0.6	Pg
BLB	Baldybastay	0.41 216	P	08 08 09.3 +0.1	Pg
BLB	Baldybastay	0.41 216	S	08 08 15.0 +0.4	Pg
TDK	Taldyogorhan	0.64 333	P	08 08 12.8 -0.6	Pg
TDK	Taldyogorhan	0.64 333	S	08 08 21.0 -0.8	Pg
TDK	Taldyogorhan	0.64 333	eP	08 08 12.8 -0.6	Pg
TDK	Taldyogorhan	0.64 333	eS	08 08 21.0 -0.8	Pg
DJR	Jarkent	0.70 98	P	08 08 14.6 -0.1	Pg
DJR	Jarkent	0.70 98	S	08 08 24.0 +0.1	Pg
DJR	Jarkent	0.70 98	eP	08 08 14.6 -0.1	Pg
DJR	Jarkent	0.70 98	eS	08 08 24.0 +0.1	Pg
ARXS	Arharly	0.74 253	P	08 08 14.8 -0.6	Pg

2017 NOV

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
ARXS	Arharly	0.74 253	eP	08 08 24.5 -0.6	Pg
ARXS	Arharly	0.74 253	eS	08 08 14.8 -0.5	Pg
ARXS	Arharly	0.74 253	eS	08 08 24.5 -0.6	Pg
KAPS	Kapalarasan	0.94 24	eP	08 08 18.4 -0.6	Pg
KAPS	Kapalarasan	0.94 24	eS	08 08 30.5 -0.7	Pg
KPKS	Kokpek	0.97 186	P	08 08 19.5 -0.2	Pg
KPKS	Kokpek	0.97 186	S	08 08 32.5 +0.2	Pg
KPKS	Kokpek	0.97 186	eP	08 08 19.5 -0.2	Pg
KPKS	Kokpek	0.97 186	eS	08 08 32.5 +0.2	Pg
KURS	Kuram	1.05 207	P	08 08 21.0 -0.2	Pg
KURS	Kuram	1.05 207	S	08 08 35.1 -0.1	Pg
KURS	Kuram	1.05 207	eP	08 08 21.0 -0.2	Pg
KURS	Kuram	1.05 207	eS	08 08 35.1 -0.1	Pg
PDGK	Podgornoye	1.21 156	P	08 08 23.6 -0.4	Pg
PDGK	Podgornoye	1.21 156	S	08 08 39.7 0.0	Pg
PDGK	Podgornoye	1.21 156	↑P	08 08 23.4 -0.6	Pg
PDGK	Podgornoye	1.21 156	↑S	08 08 39.5 -0.2	Pg
UZB	Uzynbulak	1.29 173	P	08 08 25.1 -0.2	Pg
UZB	Uzynbulak	1.29 173	S	08 08 42.2 -0.1	Pg
UZB	Uzynbulak	1.29 173	eP	08 08 25.1 -0.2	Pg
UZB	Uzynbulak	1.29 173	eS	08 08 42.2 -0.1	Pg
ZHN	Zhinshike	1.29 192	P	08 08 24.9 -0.3	Pg
ZHN	Zhinshike	1.29 192	S	08 08 41.9 -0.3	Pg
ZHN	Zhinshike	1.29 192	eP	08 08 24.9 -0.3	Pg
ZHN	Zhinshike	1.29 192	eS	08 08 41.9 -0.3	Pg
SHLS	Shalkode	1.36 160	P	08 08 28.7 +1.6	Pg
SHLS	Shalkode	1.36 160	S	08 08 48.3 +3.6	Pg
SHLS	Shalkode	1.36 160	eP	08 08 28.7 +1.6	Pg
SHLS	Shalkode	1.36 160	eS	08 08 48.3 +3.6	Pg
SATY	Saty	1.41 192	P	08 08 27.2 -0.2	Pg
SATY	Saty	1.41 192	S	08 08 45.9 -0.3	Pg
SATY	Saty	1.41 192	eP	08 08 27.2 -0.2	Pg
SATY	Saty	1.41 192	eS	08 08 45.9 -0.3	Pg
CHKK	Chushkaly	1.44 247	P	08 08 26.9 -0.3	Pg
CHKK	Chushkaly	1.44 247	S	08 08 45.4 -0.7	Pg
CHKK	Chushkaly	1.44 247	eP	08 08 26.9 -0.3	Pg
CHKK	Chushkaly	1.44 247	eS	08 08 45.4 -0.7	Pg
CHMK	Chumay	1.48 131	P	08 08 28.5 -0.2	Pg
CHMK	Chumay	1.48 131	S	08 08 48.1 +0.4	Pg
CHMK	Chumay	1.48 131	eP	08 08 28.5 -0.2	Pg
CHMK	Chumay	1.48 131	eS	08 08 48.1 +0.4	Pg
KTMS	Ketmen	1.48 131	eP	08 08 28.5 -0.2	Pg
KTMS	Ketmen	1.48 131	eS	08 08 48.1 +0.4	Pg
KTMS	Ketmen	1.48 131	eP	08 08 31.7 -0.6	Pg
KTMS	Ketmen	1.48 131	eS	08 08 53.8 0.0	Pg
KTBS	Karabote	1.70 246	P	08 08 31.7 -0.6	Pg
KTBS	Karabote	1.70 246	S	08 08 53.8 0.0	Pg
KTBS	Karabote	1.70 246	eP	08 08 31.7 -0.6	Pg
KTBS	Karabote	1.70 246	eS	08 08 53.8 0.0	Pg
KOTS	Kotrybulak	1.72 226	P	08 08 32.4 -0.4	Pg
KOTS	Kotrybulak	1.72 226	S	08 08 54.8 +0.2	Pg
KOTS	Kotrybulak	1.72 226	eP	08 08 32.4 -0.4	Pg
KOTS	Kotrybulak	1.72			

Table with columns: CHNN, CRIN, PKGN, HOYN, POLN, ROCN, ILCN, CNGA, CNGN, MOMN, COPN, LIMN, RCVN, APYN, ABCN, MATN. Includes station names, frequencies, and coordinates.

IDC 27 08:29:04.2-1.54:02N-164.38E, h0km, mb3.4/6, mbmp3.4/7, ML2.9/1, Error ellipse: s-maj=39.0km, s-min=22.7km az=162.0

KRSC 27 08:29:04.9-1.7, 54:07N-164.40E, h48km, mb3.0/4, ISC 27 08:29:08.5-0.9, 54:07N-164.51E, h53km, n39, alpha158/52, mb3.5/6, Komandorsky Islands region

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations and their parameters.

IDC 27 08:30:57.8-7.3, 20:61S x 178:10W, h568km, 88km, mb2.9/5, mbmp3.8/6, Error ellipse: s-maj=49.2km s-min=27.9km az=170.0

ISC 27 08:30:54.9-0.9, 20:55.0-2.178:10.0, h534km, n7, alpha163/8, mb3.3/5, Fijii Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like URZ, ASAR, WRA, TXAR, ILAR.

Main table with columns: PDAR, AKASO, ANF, NEIC, ISC, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Pinedale Array, Malin Array, Franklin, Arcadia Dam, Tecumseh, Cody Creek, Battle Ridge, Carrier, Wichita Mouth, Depew, Pawnee Station, West end E3070, Salt Plains WL, Grand County #, Manchester OK, Love County, South Haven SW, Caldwell North, Argonia South, Leonard, Anthony NE Sta, Witchita Falls, Sooner Cattle, Samarwood, Clayton, Perchaven, San Perchaven, Rose Lookout, Perrin-Whit E, Azle, Palo Pinto, Weatherford, Gravelle, Long Quarter, Long Quarter, Cleburne, Dickens, Mt. Pleasant, Mount Ida, Mount Ida, Snyder I, Cedar Bluff, Kansas State U, Post, Rita Blanca, Basin Creek Fa, Bolivar, Muleshoe, University of, Jarrell, Riand Creek, Mountain Grove, Maddies Statio, Ozona, Lake Charles, Van Buren, Monahans, Cathedral Cave, Hondo, Del Rio.

Table with columns: SAND, SLM, S44A, BRIGG, 833A. Includes station names, frequencies, and coordinates.

IDC 27 08:34:20.5-1.6, 2:58N-127:40E, h0km, mb3.8/5, mbmp3.8/5, Error ellipse: s-maj=148.7km s-min=18.6km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like WRA, ASAR, STKA, MKAR, KURBB.

IDC 27 08:39:00.4-1.6, 2:45N-123:85E, h0km, mb3.6/4, mbmp3.6/4, Error ellipse: s-maj=208.9km s-min=23.8km az=63.0

DJA 27 08:39:32.0-0.7, 2:N.7 x 12:4E.1, h306km, 7km, M3.8/8, mb3.8/1, mBS.0/1, MLV3.8/8, Mw(mB)4.3/1

ISC 27 08:39:31.8-1.1, 2:4N:0.1-124:5E:0.1, h300km, n8, alpha144/8, mb3.2/4, Celebes Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like SGSI, GTOI, TNTI, SANI, WRA, ASAR, MKAR, KURBB.

IDC 27 08:47:04.1-0.8, 10:14S x 152:56E, h0km, mb4.2/12, mbmp4.2/15, ML4.0/2, MS3.9/4, Error ellipse: s-maj=24.7km s-min=15.0km az=93.0

NEIC 27 08:47:07.6-1.6, 10:14S:0.1-152:36E:0.06, h10km, 1km, mb4.3/9, Error ellipse: s-maj=13.9km s-min=6.0km az=41.0

ISC 27 08:47:09.7-0.6, 10:19S:0.06-152:47E:0.07, h35km, n37, alpha160/38, mb4.2/13, MS3.8/3, D'Entrecasteaux Islands region

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations and their parameters.

IDC 27 08:51:25.1-0.8, 21.245S, 168.62E, h0km, mb4.1/9, mbtmp3.8/7, ML3.6/2, MS3.3/1, Error ellipse: s-maj=22.3km s-min=20.6km az=161.0, NEIC 27 08:51:28.0-1.4, 21.235S, 0.05:168.54E:0.06, h10km, 1km, mb4.3/16, Error ellipse: s-maj=10.1km s-min=7.0km az=306.0

NOU 27 08:51:30.5, 21.605S, 168.44E, h0km, MLV4.2/7, Loyalty Islands

ISC 27 08:51:26.8-0.7, 21.255S, 0.07:168.63E:0.07, h10km, n53, c0590/54, mb4.5/16, 25D, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MARNC Mare, Loyalty, LIFUNC LIFOU, PINNC Pines Island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include ONTNC Ouen Toro, NOUC Port Laguerre, KOUNC Koumang, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include RTZ Charters Tower, CTAO Charters Tower, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include BBOO Buckleboo, WBO Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MTN Mantaro Dam, PSA00 Pilbara Seismi, MBWA Marble Bar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include CMAR Chiamat Arr, TROLL Troll, ANTARTI, SNAAS Sanae, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include ILAR Eielson Array, ARCES ARCESS Array B, CLL Collm, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include ILAR Eielson Array, TXAR Lajitas Arr, PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include OUENC Ouen Island, N, DZM Mont Dzumac, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include ONTNC NOUC Port Laguerre, KOUNC Koumang, CTAO Charters Tower, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include TROLL Troll, ANTARTI, SNAAS Sanae, VNA2 Neumayer-Watz, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include ILAR Eielson Array, GERES GERESS Array B, BVAO Borovoye Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include KURK Kurchatov, KURKB Kurchatov Arr, KURBB Kurchatov Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include BVAO Borovoye Arr, BVAO Borovoye Arr, BVAR Borovoye Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include BRVK Borovoye, OTUK Ortayu, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include I46RU ZALESOVO INFRA, MAKZ Makanchi Arr, MAK3 Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MAK3 Makanchi Arr, MAK3 Makanchi Arr, MAK3 Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCN JCN, JCN JCN, JCN JCN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JHIU JHIU, JHIU JHIU, JHIU JHIU, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Chichijima, JCSJ Chichijima, JCSJ Chichijima, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include IPEC IPEC, IPEC IPEC, IPEC IPEC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include OKC Ostrava-Krasne, OKC Ostrava-Krasne, OKC Ostrava-Krasne, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MORC Moravsky Berou, MORC Moravsky Berou, MORC Moravsky Berou, etc.

NNC 27 09:02:38.1-0.5, 51.69N, 75.41E, h0km, mb3.0, mpv2.7, Error ellipse: s-maj=14.6km s-min=3.3km az=25.0, Suspected Mining explosion.

IDC 27 09:02:42.0-1.0, 51.72N, 75.84E, h0km, mbtmp2.4/4, ML1.9/4, Error ellipse: s-maj=20.4km s-min=8.2km az=30.0

ISC 27 09:02:41.7-1.1, 51.83N, 0.1:75.97E:0.10, h10km, n12, c1500/10, 6C-3D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include KURK Kurchatov, KURKB Kurchatov Arr, KURBB Kurchatov Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include BVAO Borovoye Arr, BVAO Borovoye Arr, BVAR Borovoye Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include BRVK Borovoye, BRVK Borovoye, BRVK Borovoye, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include OTUK Ortayu, OTUK Ortayu, OTUK Ortayu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include I46RU ZALESOVO INFRA, I46RU ZALESOVO INFRA, I46RU ZALESOVO INFRA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MAKZ Makanchi Arr, MAKZ Makanchi Arr, MAKZ Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MK31 Makanchi Arr, MK31 Makanchi Arr, MK31 Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.

IDC 27 09:37:51.6-1.8, 36.10N, 141.45E, h0km, mb3.3/3, mbtmp3.8/7, ML3.3/4, Error ellipse: s-maj=44.0km s-min=23.0km az=73.0

JMA 27 09:38:06.3-0.2, 35.7N, 0.5:140.1E:0.8, h64km, 1km, MV2.8/37, CENTRAL CHIBA PREF

ISC 27 09:38:05.7-1.0, 35.60N, 0.04:140.18E:0.05, h75km, 7km, n19, c131/26, mb3.2/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCN Nagara, JCN Nagara, JCN Nagara, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JHIU Itakohorinouch, JHIU Itakohorinouch, JHIU Itakohorinouch, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Boso 3, JCSJ Boso 3, JCSJ Boso 3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Ashikaga, JCSJ Ashikaga, JCSJ Ashikaga, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Ryogamari san, JCSJ Ryogamari san, JCSJ Ryogamari san, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Boso 1, JCSJ Boso 1, JCSJ Boso 1, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Shimob, JCSJ Shimob, JCSJ Shimob, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Iuzhimoda, JCSJ Iuzhimoda, JCSJ Iuzhimoda, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Katsushina, JCSJ Katsushina, JCSJ Katsushina, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Matsushiro Arr, JCSJ Matsushiro Arr, JCSJ Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Katashina, JCSJ Katashina, JCSJ Katashina, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Matsushiro Arr, JCSJ Matsushiro Arr, JCSJ Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Katashina, JCSJ Katashina, JCSJ Katashina, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Matsushiro Arr, JCSJ Matsushiro Arr, JCSJ Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Katashina, JCSJ Katashina, JCSJ Katashina, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Matsushiro Arr, JCSJ Matsushiro Arr, JCSJ Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Katashina, JCSJ Katashina, JCSJ Katashina, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Matsushiro Arr, JCSJ Matsushiro Arr, JCSJ Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include JCSJ Katashina, JCSJ Katashina, JCSJ Katashina, etc.

IDC 27 09:44:56.4-0.7, 54.05N, 163.09W, h0km, mb3.9/20, mbtmp3.9/24, ML3.7/4, MS3.6/1, Error ellipse: s-maj=18.8km s-min=12.5km az=170.0, NEIC 27 09:45:00.4, 1.6, 54.04N, 0.05:162.87W:0.06, h14km, 3km

mb4.0/19, ML4.2/16, ML3.9(AEIC), Error ellipse: s-maj=6.9km s-min=5.3km az=201.0

AEIC 27 09:45:00.7z 1.9, 54.05N, 0.04-162.85W, 0.06, h14km, 5km, Error ellipse: s-maj=6.3km s-min=5.2km az=204.0

ISC 27 09:45:00.6z 2.0, 53.99N, 0.06-162.85W, 0.04, h30km, 14km, n120, c1f64/116, mb4.0/23, South of Alaska

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

comp=Z, 3.4nm, 0.7s, baz=302, slow=7.3, SNR=5.5

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

IDC 27 10:20:40.9z 0.9, 39.72N, 143.30E, h0km, mb4.0/16, mbmp4.2/21, ML4.3/2, MS2.7/1, Error ellipse: s-maj=23.5km s-min=18.1km az=92.0

NIED 27 10:20:42.5z 39.91N, 143.33E, h12km, MW3.9, Moment Tensor Solution, s3 Moment Tensor: Scale 10^14 Nm; M=4.98; M=0.29; M=4.69; M=3.03; M=2.45; M=6.42; Fault plane solution: M=8.90000x10^14 NPT=25.00000; 871.00000, 1.91.00000; NP2=203.00000, 319.00000, 7.88.00000

JMA 27 10:20:42.5z 0.5, 39.91N, 0.8, 143.30E, h12km, 4km, M=4.98, M=0.29, M=4.69, M=3.03, M=2.45, M=6.42, Fault plane solution: M=8.90000x10^14 NPT=25.00000; 871.00000, 1.91.00000; NP2=203.00000, 319.00000, 7.88.00000

ISC 27 10:20:42.5z 0.7, 39.76N, 0.05-143.20E, h0km, n45, c1f63/39, mb4.0/16, Off east coast of Honshu

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like RCPN Sur Rio San Ju, MORN Al O del Volcan, ACORN Acopya, etc.

TRN 27 12:49:33.9, 18:41'N-61:35'W, h19km, MD4.5
ISC 27 12:49:35.2, 18:5N:01:61.5W:0.2, h25km, n13,
#087/18, Leeward Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ANBD Bethesda, MBFL Flemmings, etc.

WEL 27 12:49:44.2, 0:6, 41'S, 176E, h17km, M3.3/18,
ML3.7/18, MLV3.3/18, Error ellipse: s-maj=0.0km
s-min=0.0km az=124.5, confirmed, North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BFZ Birch Farm, CPWZ Castlepoint, etc.

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DVHZ Dannevirke, POWZ Post Office, MRZ Mangatoinaka, etc.

WEL 27 12:56:28.4, 0:6, 41'S, 176E, h15km, M3.2/13,
ML3.5/13, MLV3.2/13, Error ellipse: s-maj=0.0km
s-min=0.0km az=119.6, confirmed, North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BFZ Birch Farm, CPWZ Castlepoint, ANWZ Angora Road, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WHVZ Wangagehu Hut, FWVZ Far West T-bar, etc.

TEH 27 13:11:32.0, 34:85'N-45:84'E, h8km, M3.3
ISC 27 13:11:33.8, 1.1, 34:88'N-45:84'E, h26km, M3.4
ISC 27 13:11:32.0, 0.9, 34:91'N-45:84'E, h10km, n17,
#138/22, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IDHR Dehrash, IGHG Ghaleghazi, etc.

SJA 27 13:15:02.7, 0:7, 21:08'S-68:53'W, h148km, 5km, ML3.8,
MW3.5
GUC 27 13:15:04.7, 0:8, 21:12'S-68:50'W, h136km, 4km, ML3.7
ISC 27 13:15:02.7, 1.4, 21:10'S-68:50'W, 0.05,
h166km, 10km, n40, #085/73, 6C-1D, Chile-Bolivia border
region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PB01 IPOC Station P, PB01 IPOC Station P, etc.

1855

SC22	Santa Cruz Isl	74.18	47	P	P	15 26 06.1	-1.2
PK1	Sitkinak Islan	74.42	43	P	P	15 26 07.3	-1.0
PKM	Mcpherson Peak	74.54	16	P	P	15 26 08.1	-1.4
SMCC	Simmler	74.62	46	P	P	15 26 08.5	-1.3
QSPA	South Pole Qui	74.62	180	P	P	15 26 10.6	+1.2
QSPA	South Pole Qui	74.62	180	P	P	15 26 11.1	+1.7
R16K	Pilot Point	74.67	11	P	P	15 26 09.9	+0.4
CIS	Catalina Islan	74.75	48	P	P	15 26 09.5	-1.2
KMPM	Mount Pierce	74.76	40	P	P	15 26 12.3	+1.7
USRK	Ussuriysk Ar.	74.77	325	P	P	15 26 12.0	+1.6
R17K	Ugashik Creek	74.82	12	P	P	15 26 10.8	-0.5
OSI	Osito Audit: C	75.15	47	P	P	15 26 11.6	-1.3
DECC	Green Verdugo	75.24	48	P	P	15 26 12.2	-1.1
PASC	Pasadena Art C	75.30	48	Iamb	Iamb	15 26 15.9	
R18K	Karluk	75.30	13	P	P	15 26 13.8	+0.7
ARVC	Arvin	75.33	47	P	P	15 26 13.1	-0.7
109C	Camp Elliot, M	75.45	49	P	P	15 26 14.9	+0.4
VES	Vestal, Richgr	75.53	46	P	P	15 26 15.7	+0.8
VOG	Valley Oaks Go	75.57	45	P	P	15 26 15.1	0.0
Q17K	Contact Creek	75.65	12	P	P	15 26 15.1	-0.1
BFSC	Mount Baldy Ra	75.72	48	P	P	15 26 16.1	0.0
MURC	Murrieta	75.73	49	P	P	15 26 15.6	-0.5
KSBX	Camp Six Broad	75.74	39	Iamb	Iamb	15 26 19.1	
EDW2	Edwards Air Fo	75.80	47	P	P	15 26 15.9	-0.6
CMB	Columbia Colle	75.81	43	Iamb	Iamb	15 26 18.9	
ISA	Isabella, Lake	75.86	46	Iamb	Iamb	15 26 19.6	
ISA	Isabella, Lake	75.86	46	P	P	15 26 16.5	-0.4
Q16K	King Salmon	75.89	11	P	P	15 26 16.9	+0.5
ORV	Oroville	75.91	42	Iamb	Iamb	15 26 19.3	
KDAK	Kodiak Island	75.92	14	P	P	15 26 16.9	+0.3
KDAK	Kodiak Island	75.92	14	P	P	15 26 17.1	+0.6
AFDM	Forest Hills D	75.92	42	Iamb	Iamb	15 26 19.4	
P16K	Nushagak River	75.98	11	P	P	15 26 16.8	0.0
IKP	In-Ko-Pah, Jac	76.07	50	P	P	15 26 17.5	-0.6
M11K	Mekoryuk	76.14	6	P	P	15 26 18.2	+0.5
Q18K	Katmai Hardscr	76.19	12	P	P	15 26 18.1	-0.1
YUH	Yuha Desert	76.20	50	Iamb	Iamb	15 26 21.4	
N14K	Kuskokwak Cree	76.24	8	P	P	15 26 19.4	+1.2
PFO	Pinyon Flats O	76.27	49	P	P	15 26 19.5	+0.2
PFO	Pinyon Flats O	76.27	49	P	P	15 26 19.0	-0.3
TPFO	Pinon Flats	76.27	49	P	P	15 26 19.1	-0.2
MDJ	Mudanjiang	76.36	324	P	P	15 26 20.8	+1.5
MDJ				sP	sP	15 28 32.3	-4.6
MDJ				S	S	15 35 30.0	+1.2
MDJ				SS	SS	15 40 32.5	-2.1
MDJ				pmx	pmx		
MDJ				pmx	pmx		
K02D	Willamette Mer	76.38	38	Iamb	Iamb	15 26 22.5	
YBH	Yreka Blue Hor	76.39	39	Iamb	Iamb	15 26 22.7	
P17K	Kvichak River	76.41	11	P	P	15 26 19.3	0.0
SWSC	Sam W. Stewart	76.44	50	P	P	15 26 19.1	-0.9
MDPB	Devils Postpil	76.47	44	Iamb	Iamb	15 26 23.6	
O16K	Kokwok River B	76.49	10	Iamb	Iamb	15 26 20.2	
O16K	Kokwok River B	76.49	10	P	P	15 26 19.4	-0.2
M13K	Dall Lake	76.49	7	P	P	15 26 20.5	+0.8
RRX	Edison Barstow	76.50	48	P	P	15 26 20.6	+0.2
CWC	Cottonwood Cre	76.53	46	P	P	15 26 21.1	+0.5
MLAC	Mammoth, Mammo	76.63	45	P	P	15 26 20.3	-1.0
NJ2	Nanjing	76.64	309	eP	eP	15 26 22.5	+1.4
NJ2				pmx	pmx		
SRIG	Santa Rosalia	76.65	57	Iamb	Iamb	15 26 23.9	
WAKR	Walker	76.69	43	Iamb	Iamb	15 26 24.4	
Q20K	Shuyak Island	76.71	13	P	P	15 26 21.2	+0.3
N15K	Kwethluk River	76.71	9	P	P	15 26 21.2	+0.3
TIN	Tinmahua, Big	76.74	45	P	P	15 26 21.2	-0.6
MPMC	Manuel Prospec	76.75	46	P	P	15 26 21.4	-0.5
BELC	Belle Mtn. Jos	76.80	49	P	P	15 26 22.0	-0.2
P18K	Big Mountain,	76.83	12	P	P	15 26 21.6	0.0
O17K	Koliganek Bris	76.83	11	P	P	15 26 22.1	+0.6
GSC	Goldstone, Bar	76.85	47	Iamb	Iamb	15 26 24.9	
GSC	Goldstone, Bar	76.85	47	P	P	15 26 22.3	-0.1
PNTR	Pine Nut	76.89	43	Iamb	Iamb	15 26 25.4	
L04D	Klamath Falls	76.92	39	Iamb	Iamb	15 26 24.7	
HEC	Hector,Ludlow	76.96	48	P	P	15 26 22.9	-0.1
M14K	Bethe	77.00	8	P	P	15 26 23.3	+0.9
BC3	Big Chuckwack	77.03	49	P	P	15 26 23.4	-0.1
SLBS	Sierra La Lagu	77.05	61	P	P	15 26 24.7	+1.0
YERR	Yerington	77.07	43	Iamb	Iamb	15 26 26.2	
M15K	Kasigluk River	77.12	9	P	P	15 26 23.1	0.0
QSM	Queen of Sheba	77.14	47	Iamb	Iamb	15 26 27.0	
LHV	Little Huntoon	77.18	44	Iamb	Iamb	15 26 27.7	
O16K	Nishik Lake	77.21	10	P	P	15 26 23.8	+0.2
N18K	Koktuk Hills	77.26	12	P	P	15 26 24.2	+0.3
GRAC	Grapevine Rang	77.31	46	P	P	15 26 23.9	-0.9
PAHR	Pah Rah Range	77.36	42	Iamb	Iamb	15 26 27.8	
FURC	Furnace Creek,	77.39	46	P	P	15 26 25.2	0.0
NVAR	Mina Array Bea	77.41	44	P	P	15 26 26.4	+0.9

2017 NOV

GMRC	Granite Mounta	77.42	48	P	P	15 26 25.6	0.0
P19K	Oil	77.47	13	P	P	15 26 25.8	+0.7
L14K	Kuka Creek	77.48	8	Iamb	Iamb	15 26 27.3	
L14K	Kuka Creek	77.48	8	P	P	15 26 25.4	+0.4
K04D	Chioquim, OR	77.49	39	Iamb	Iamb	15 26 28.3	
IRM	Iron Mountain	77.49	49	P	P	15 26 25.6	-0.3
NV11	Mina Array Sit	77.51	44	Iamb	Iamb	15 26 28.6	
N17K	Nushagak Hills	77.53	10	Iamb	Iamb	15 26 28.4	
N17K	Nushagak Hills	77.53	10	P	P	15 26 25.2	-0.2
GMN	Gold Mountain	77.53	45	Iamb	Iamb	15 26 28.7	
BUCK	Buck Mountain	77.66	37	Iamb	Iamb	15 26 29.4	
M16K	Timber Creek	77.70	9	P	P	15 26 26.5	+0.2
WCT	Wildcat Mouna	77.72	46	Iamb	Iamb	15 26 29.7	
O19K	Port Alsworth	77.75	12	P	P	15 26 26.5	-0.1
I04A	Tendick Farm,	77.76	38	Iamb	Iamb	15 26 29.2	
KVN	Kaisererville	77.86	44	Iamb	Iamb	15 26 30.4	
I13A	Mohawk Valley,	77.86	51	Iamb	Iamb	15 26 30.7	
N18K	Kilae Creek	77.90	11	P	P	15 26 27.9	+0.5
L15K	Ungalak Mounta	77.96	8	P	P	15 26 27.7	0.0
O20K	Slope Mountain	77.99	13	P	P	15 26 28.7	+0.6
H04D	Lebanon	78.00	37	Iamb	Iamb	15 26 30.8	
TPNV	Topopah Spring	78.06	46	Iamb	Iamb	15 26 31.6	
TPNV	Topopah Spring	78.06	46	P	P	15 26 28.7	-0.4
K05A	Summer Lake	78.07	39	Iamb	Iamb	15 26 31.7	
BRSE	Bradley Lake S	78.10	14	P	P	15 26 28.8	+0.2
214A	Organ Pipe Nat	78.22	52	Iamb	Iamb	15 26 33.0	
214A	Organ Pipe Nat	78.22	52	P	P	15 26 28.4	-1.5
BNX	BinXian	78.28	324	IP	IP	15 26 30.8	+1.0
BNX				pmx	pmx		
BNX				pmx	pmx		
CN2	Changchun	78.28	322	P	P	15 26 30.8	+1.0
CN2				pmx	pmx		
L16K	Ohwah River	78.28	9	P	P	15 26 29.6	+0.2
N19K	Bonanza Creek	78.29	12	P	P	15 26 29.2	-0.4
PDMCI	Parker Dam,Lak	78.30	49	P	P	15 26 29.9	-0.3
M17K	Hollita River	78.30	10	P	P	15 26 29.3	-0.3
SVW2	Sparrevohn	78.34	11	Iamb	Iamb	15 26 31.2	
V12A	Nelson	78.45	48	Iamb	Iamb	15 26 33.8	
K15K	Wapato Creek Mo	78.55	8	P	P	15 26 29.6	-1.3
M18K	Stony River	78.67	11	P	P	15 26 29.9	-1.6
I05D	Terrebonne, OR	78.71	38	Iamb	Iamb	15 26 34.7	
SEW	Seward	78.73	14	P	P	15 26 32.0	+0.2
J14K	Nanvaranak Lak	78.74	7	P	P	15 26 32.1	+0.2
L17K	Donlin	78.86	9	P	P	15 26 32.4	-0.2
Q24K	Middleton Isla	78.91	16	P	P	15 26 32.4	-0.4
F03A	Ambro	79.00	36	Iamb	Iamb	15 26 36.7	
NLWA	Neilton Lookou	79.07	34	Iamb	Iamb	15 26 36.7	
HOOD	Mount Hood Mea	79.09	37	Iamb	Iamb	15 26 36.5	
N20K	Mount Spurr	79.10	12	P	P	15 26 33.3	-0.7
SPRC	Spurr Chakacha	79.10	12	P	P	15 26 33.6	-0.3
PNR	Phuro Rock	79.12	46	Iamb	Iamb	15 26 37.7	
BMN	Battle Mountain	79.16	43	Iamb	Iamb	15 26 37.4	
L18K	Granite Mounta	79.20	10	P	P	15 26 34.3	-0.1
R11B	Troy Canyon, C	79.21	45	Iamb	Iamb	15 26 37.5	
R11B	Troy Canyon, C	79.21	45	P	P	15 26 34.4	-0.8
G05A	Wamic	79.24	37	Iamb	Iamb	15 26 44.6	
WVOR	Wild Horse Val	79.30	40	Iamb	Iamb	15 26 38.0	
M19K	Big River Lodg	79.31	11	P	P	15 26 35.2	+0.2
K17K	Iditarod	79.41	9	P	P	15 26 35.3	-0.2
L19K	White Mountain	79.48	11	Iamb	Iamb	15 27 02.2	
L19K	White Mountain	79.48	11	P	P	15 26 35.6	-0.4
M20K	Styx River	79.53	12	P	P	15 26 36.6	+0.4
RC01	Rabbit Creek A	79.53	14	Iamb	Iamb	15 26 37.2	
RC01	Rabbit Creek A	79.53	14	P	P	15 26 36.1	-0.1
J16K	Anvik River	79.62	8	P	P	15 26 36.7	+0.2
SUA	Susitna One	79.64	13	P	P	15 26 36.8	-0.1
PWL	Port Wells	79.66	14	P	P	15 26 36.8	0.0
I07A	Ize	79.66	39	Iamb	Iamb	15 26 39.9	

27d 15h

Table with columns: ID, Name, Az, El, P, R, Az, El, P, R. Rows include: I20K Naaghdeneel, DUG Dugway, MCK McKinnon, HNS HongShan, PAX Paxis, BGU Big Grassy, P30M Million Dollar, SKAG Skagway, BJI Beijing, YUK8 Steele Glacier, M26K Nabesna, AL1D Pearl Lake, PL12A Cookes Peak, 121A Cookes Peak, 121A Cookes Peak, T35M Bob Quinn, T35M Bob Quinn, H19K Roundabout, H19K Roundabout, G18K Tagagawik, YUK6 Outpost, YUK3 Moose Creek, Q16A Castle Valley, HL1D Hailey, H20K Anotleneega, M27K Edge Creek, MENTK Mentasta, F17K Baldwin, F17K Baldwin, H4YT Haines, S34M Telegraph, YUK4 Talbot, MPU Maple Canyon, L26K Log Cabin, L26K Log Cabin, SPUT South Promonto, I21K Tanana, NEA2 Nenana, K24K Donnelly, G19K Purcell, G19K Purcell, MLY Manley, MLY Manley, BVCV Beaver Creek, P32M Atlin, P32M Atlin, CTU Camp Tracy, Q32M Nakina, Q32M Nakina, O30N Mendenhall, O30N Mendenhall, H21K Melozitna, H21K Melozitna, HDA Harding Lake, JLU Jordanelle, E17K Hotham, L27K Beaver Creek, ENH Enshi, I23K Minto, N30M Aishik, COLA College, COLA College, NEW Newport, WHY Whitehorse, WHY Whitehorse, SCRK Sand Creek, F19K Shalerukik, F19K Shalerukik, ILAR Eielson, DLBC Dease Lake, DLBC Dease Lake, HWUT Hardware Ranch, Y22A Socorro, H22K Ishaltina, BSUT Blindstream, POKR Poker Plat, M29M Somme Creek, E18K Tukpahleark, E18K Tukpahleark, Y22D IRIS PASCAL, Y22F Passcal Instru

2017 NOV

Table with columns: ID, Name, Az, El, P, R, Az, El, P, R. Rows include: J25K Salcha River, N31M Braeburn, N31M Braeburn, P33M Teslin, P33M Teslin, MVC0 Mesa Verde, G21K Allakact, R33M Jennings, R33M Jennings, H23K Yukon River, 425A Indio Mountain, F20K Avarart Lake, MNTX Cornudas, MNTX Cornudas, K27K Chicken, J26L Joseph Creek, RDOG Red Dog Mine, RDOG Red Dog Mine, F16K Lisburne Hills, BILL Bilibino, E19K Redstone River, E19K Redstone River, XLT XLiInHoTe, XLT XLiInHoTe, H24K Noodor Dome, M30M Minto, L29M L29M, AN32M Quiet Lake, AN32M Albuquerque, ANMO Albuquerque, ANMO Albuquerque, AHID Auburn Hatcher, C17K Delong Mountain, F21K Alatna River, TX31 Lajitas Ar. Si, TX32 Lajitas Array, TXAR Lajitas Array, G22K Bettles, MSO Mtsneta, G23K Bananza Creek, BELA Belgrano 2, DAWY Dawson, DAWY Dawson, M31M Drury, I26K Coal Creek, TPAW Teton Pass, EGAK Eagle, EGAK Eagle, FXWY Fox Creek, ALPN Alpine, F22K John River, D19K Kuna River, TLIG Tiapa, COLD Coldfoot, H25L Birch Creek, E20K Nigu River, K29M Barlow Dome, K29M Barlow Dome, PECS Pecos, G24K Hadeeznic Riv, FARO Faro, LOHW Long Hollow, XAN Xi'an, WTLY Watson Lake, WTLY Watson Lake, O20A White River, S22A 4UR Ranch, S22A 4UR Ranch, MAYO Mayo, YFT Old Faithful, BOZ Bozeman, BOZ Bozeman, G25K Bearme Lake, I27K Kandik River, D20K Chuk River, BW06 Boulder Array, BW06 Boulder Array, PD31 Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, C19K Lookout Ridge

1856

Table with columns: ID, Name, Az, El, P, R, Az, El, P, R. Rows include: H17A Grant Village, E21K Killik River, YNR Norris Junction, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, I28M Miner Creek, I28M Miner Creek, LIRD Liard River, SMCO Snowmass, F24K Squaw Lake, E23K Chandalar, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, HHC comp=Z,27nm,0.7s, MNHN Monahan, H27K Steamboat Moun, J30M Hart River, SAND Sanderson, I29M Ogilvie Camp, G26K Porcupine River, E24K Knifeblade, C21K Your Creek, D22K Ayikyak River, D22K Ayikyak River, SDCO Great Sand Dun, SDCO Great Sand Dun, F25K Christian Rive, TGTN Hyland Airport, ODSA Odessa, G27K Doyon Strip, TOLK Toolik Lake, MAW Mawson, I30M Mount Dempster, I30M Mount Dempster, D23K Nanushuk River, B21K Ikpikpuk River, B20K Meade River, F26K Sheenjek River, RLMT Red Lodge, RLMT Red Lodge, E25K Arctic Village, H29M Whitestone, H29M Whitestone, T25A Trinidad, MSTX Muleshoe, MSTX Muleshoe, MSTX Muleshoe, BTO Baotou, BTO Baotou, BTO Baotou, BTO Baotou, ISCO Idaho Springs, ISCO Idaho Springs, D24K Happy Valley, DRIO Del Rio, OZNA Ozona, N23A Red Feather, EPYK Eagle Plains, EPYK Eagle Plains, C23K Itkillik River, C23K Itkillik River, G29M Pine Creek, B22K Teshekpuk Lake, F28M Old Crow, C24K Franklin Bluff, YAK Yakutsk, YAK Yakutsk, POST Post, E27K Coleen River, D25K Kavik River, 833A Chaparral WMA, 833A Chaparral WMA, 833A Chaparral WMA, A22K Sinclair Lake, G30M tAoh Zraii Nji, G30M tAoh Zraii Nji, HBVL Hebbroonville, SN01 Snyder, AMTX Amarillo, AMTX Amarillo, AMTX Amarillo, JCT Junction City, HNDO Hondo, DKNS Dickens, G31M Satah River

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like E28M Babbage River, E28M Babbage River, C26K Camden Bay, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like BRVK Borovoye, SPITS Spitsbergen Ar, DAG Danmarks FV, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like FRGS Fruska Gora, FRGS Fruska Gora, BFO Black Forest, etc.

EA7 27 15:19:32.6, 18°56'S-26°49'E, h10km, MC3.5
BUL 27 15:19:33.0, 9.9 18°56'S-26°55'E, h10km, MD3.7
ISC 27 15:19:31.8, 3.6, 18.7S, 0.1-26.5E, 0.3, h10km, n12,

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

27d 15h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SC01 Santiago de lo, DR08 Loma La Naviza, LODA1 FTESIL, Dajabo, SDDR Presa de Saban, etc.

OPSL 27 15:32:27.3, 2.2, 20.04N:70.59W, h0km, 20km, ML2.4, ISC 27 15:32:23.4, 3.4, 20.1N:01.7045W, 0.07, h17km, 14km, n11, c077/18, 9C-2D, Dominican Republic region

IDC 27 15:52:27.1, 0.6, 27.20N:140.25E, h431km, 8km, mb3.3/15, mltb3.4, 1/15, Error ellipse: s-maj=21.2km s-min=11.8km az=84.0

NEIC 27 15:52:30.4, 2.4, 27.2N:01.140.33E, 0.10, h459km, 10km, mb4.0/53, Error ellipse: s-maj=17.9km s-min=12.5km az=168.0

JMA 27 15:52:31.1, 0.2, 27.1N:141.1E, h461km, MV3.6/25, W OFF OGASAWARA

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CBJJ Chichi jima, JHH2 Haha-jima-NKT2, BSO1 Boso 1, etc.

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Table with columns: BRVK, Iamb, Iamb, 16 01 30.1, etc. Includes stations like C23K Ikkiliik River, KKAR Karatay Array, E24K Your Creek, etc.

SJA 27 15:55:41.5, 0.7, 28.99S:68.35W, h104km, 2km, ML3.6, MWV3.5

ISC 27 15:55:42.8, 1.3, 29.00S:0.03, 68.36W, 0.04, h104km, 8km, n36, c104/62, 2C, San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VCA Vinchina, AGUA GUANDACOL, ACVD Cuesta del Vie, etc.

1858

Table with columns: COO2, IAML, 15 57 38.4, etc. Includes stations like COO2 Combarbal, CO02 Pan de Azucar, ASAL Salagasta, etc.

IDC 27 15:55:49.7, 0.9, 44.75N:36.82E, h0km, mbtmp3.0/4, ML2.9/4, Error ellipse: s-maj=12.3km s-min=9.1km az=16.0

SIGU 27 15:55:52.7, 44.56N:36.83E, h9km, Black Sea District 5, MOS 27 15:55:53.4, 44.67N:36.86E, h28km, MPVA3.8, ISC 27 15:55:53.6, 0.9, 44.77N:0.05, 36.85E, 0.02, h31km, 8km, n63, c157/112, Crimea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANN Anapa, ANN comp=Z,780nm,0.2s, ANN comp=E,2um,0.3s, ANN comp=N,3um,0.3s, etc.

1861									
GERES		Pg	Pb	17 21 15.0	+1.6				
comp=Z,0.8nm,0.3s,baz=64,slow=20,SNR=6.6									
GERES		Lg	Lg	17 22 00.5					
comp=Z,1.5nm,0.3s,baz=77,slow=26,SNR=5.6									
ARSA	Arzberg	3.99 217	eSn	Sn	17 21 52.1	-0.3			
CLL	Colim	3.83 287	ePg	Pg	17 21 24.0	+2.7			
CLL			eSg	Sg	17 22 13.0	+2.1			
MOA	Molin	3.89 232	iPn	Pn	17 21 08.5	-0.5			
MOA			iSn	Sn	17 21 56.0	+0.6			
BIOA	Bad Ischl, Aus	4.32 234	ePn	Pn	17 21 14.8	0.0			
BIOA			eSn	Sn	17 22 05.3	-0.6			
BURAR	Bucovina Array	5.00 120	iP	Pn	17 21 17.5	-6.7			
DAVOX	Davos/Dischmat	6.92 243	Pn	Pn	17 21 51.8	+1.1			
DAVOX			Lg	Lg	17 23 46.6				
comp=Z,0.2nm,0.3s,baz=197,slow=17,SNR=1.8									
FINES	FINES Array B	11.86 17	Pn	Pn	17 22 57.4	-0.7			
FINES			Pn	Pn	17 25 03.0	-7.8			
comp=Z,0.2nm,0.3s,baz=201,slow=22,SNR=1.4									
FINES			Pn	Pn	17 25 03.0	-7.8			
comp=Z,2.0nm,0.8s									
ARCES	ARCES Array B	19.54 7	Pn	P	17 24 37.0	+0.3			
comp=Z,1.5nm,0.9s									

ICD 27 17:20:50.7±0.9,5:86S,133:85E,h0km,mb3.9/9,
mbmp3.9/13,ML3.9/4,MS2.8/1,Error ellipse:
s-maj=39.4km s-min=17.2km az=71.0
DJA 27 17:20:57.4±0.3,6°S,2°13'4E",h90km,9km,M4.7/13,
mb5.3/6,mb4.5/13,MLv4.7/10,Mw(MB)4.8/6
ISC 27 17:20:54.2±0.6,5:99S,0:05:133:63E,0:06,h33km,n29,
c=39.20/36,mb3.8/9,Azu Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC			
					h m s	ISC			
KMPI	Kaimana, Papua	2.32	2	P	Pn	17 21 29.4	-0.7		
KMPI				S	Pn	17 21 52.0	-5.4		
SAUI	Saumlaki	3.04	229	P	Pb	17 21 46.1	-1.7		
SAUI				S	Pb	17 22 24.4	-0.1		
FAKI	Fak Fak	3.35	336	P	Sn	17 21 43.6	-0.7		
FAKI				S	Sn	17 22 18.1	-4.9		
BNDI	Bandanaira	3.99	291	P	Sn	17 21 55.4	+2.3		
BNDI				S	Sn	17 22 38.3	-0.4		
SWI	Sorong	5.62	335	P	Pn	17 22 15.4	-0.1		
SWI				S	Sn	17 23 10.7	-8.2		
SMPI	Sarmi	6.44	52	P	Pn	17 22 27.0	+0.2		
SMPI				P	Pn	17 22 39.6	+0.4		
GENI	Genyem	7.34	63	P	Pn	17 22 49.8	+0.1		
LBMI	Labuha	8.11	311	P	Pn	17 22 49.8	+0.1		
SANI	Sanana	8.57	297	P	Pn	17 22 55.2	-0.9		
SANI				P	Pn	17 23 18.7	+2.9		
SOEI	Soe	10.00	247	P	Pn	17 23 18.7	+2.9		
BATI	Baumata	10.72	246	P	Pn	17 23 27.9	+2.3		
BATI				Pn	Pn	17 23 28.1	+2.6		
BATI				Sn	Sn	17 25 24.1	-0.4		
KMSI	Cibinong	11.63	304	P	Pn	17 23 39.1	+1.0		
EDFI	Ende, Flores	12.15	256	P	Pn	17 23 48.4	+3.1		
GTOI	Gorontalo	12.48	301	P	Pn	17 23 52.3	+2.7		
KAPI	Kappang	13.85	273	LR	LR	17 30 48.2			
WRA	Warrungu Arr	13.88	177	Pn	Pn	17 24 09.3	+0.5		
WRA				Sn	Sn	17 26 33.1	-8.8		
PLAI	Plampang	15.97	259	P	Pn	17 24 35.1	-1.5		
ASAR	Alice Springs	17.58	179	P	Pn	17 24 58.3	+0.6		
ASAR				S	Sn	17 28 03.1	-8.6		
CTA	Charters Tower	18.62	140	Pn	Pn	17 25 10.5	+0.9		
STKA	Stephens Creek	26.81	165	P	P	17 26 33.1	+1.6		
CMAR	Chiang Mai Arr	41.96	306	P	P	17 28 44.5	+2.1		
SONMI	Songino Array	58.72	339	P	P	17 30 49.3	+0.4		
MKAR	Makanchi Array	69.42	325	P	P	17 32 01.6	+2.5		
ZALV	Zalesovo Beam	72.33	332	P	P	17 32 17.9	+1.3		
KURBS	Kurchatov Arra	73.59	327	P	P	17 32 26.0	+1.9		
BVAR	Borovoye Array	79.17	327	P	P	17 32 57.6	+1.9		
QSPA	South Pole Qui	83.98	180	P	P	17 33 23.9	+2.8		
ILAR	Eielson Array	90.91	25	P	P	17 33 53.8	-0.6		
AFAD 27 17:23:56.0±0.0,38:80N,44:32E,h7km,2km,ML2.0, Turkey-Iran border region									
OZAP	Van, Ozalp-Mer	0.27	283	P	Pg	17 24 02.6	+0.6		
OZAP				S	Sg	17 24 07.1	+1.6		
OZAP				iAML	AML	17 24 09.0			
OZAP				iAML	AML	17 24 10.0			
CLDR	Caldiran	0.63	330	P	Pg	17 24 08.0	0.0		
CLDR				iAML	AML	17 24 17.8	+0.8		
CLDR				iAML	AML	17 24 19.0			
CLDR				iAML	AML	17 24 21.0			
VMUR	Van-Muradiye	0.70	304	P	Pg	17 24 10.5	+0.3		
VMUR				S	Pb	17 24 20.8	-0.5		
TVAN	Van	0.72	265	P	Pg	17 24 10.3	-0.2		
TVAN				S	Pg	17 24 18.4	-1.6		
TVAN				iAML	AML	17 24 27.0			
TVAN				iAML	AML	17 24 32.0			
GEVA	Gevas	1.03	254	P	Pg	17 24 15.4	-1.0		
GEVA				iAML	AML	17 24 28.1	-1.8		
GEVA				iAML	AML	17 24 31.0			
GEVA				iAML	AML	17 24 31.0			
HAKT	HAKKARI	1.15	205	P	Pb	17 24 19.0	+0.1		
HAKT				S	Sn	17 24 35.2	-0.1		
PERV	Siirt/Pervari-	1.55	246	P	Pg	17 25 00.6	-0.9		
PERV				S	Sg	17 25 11.6	-0.3		
PERV				S	Sg	17 24 46.1	-0.3		
ISK 27 17:24:48.6,40:05N,42:67E,h2km,ML1.8/3,Turkey									
SENK	Senkaya-Erzuru	0.57	334	Op	ISC	h m s	ISC		
KOPR	Kopruluk-ERZUR	0.63	265	Pg	Pb	17 25 01.9	-0.6		
KOPR				Pg	Pb	17 25 11.6	-0.3		
KARS	Kars	0.65	28	Pg	Pg	17 25 02.0	+0.8		

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KARS		Sg	Sb	17 25 12.1	-0.4				
ICD 27 17:35:16.2±6.8,30°19'S,179°63'W,h356km,51km,mb3.1/4, mbmp3.8/5,Error ellipse: s-maj=69.0km s-min=23.2km az=47.0									
ISC 27 17:35:16.7±2.2,30:3S,0:2:179:8W,0:3,h350km,n6, c=641/4.6,mb3.2/4,Kermadec Islands region									
Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC			
					h m s <th>ISC</th>	ISC			
URZ	Urewera	8.32	197	P	P	17 37 17.6	+0.2		
URZ				S	P	17 38 50.7	-0.1		
ASAR	Alice Springs	41.55	268	P	P	17 42 31.6	0.0		
WRA	Warrungu Arr	42.53	273	P	P	17 42 39.5	+0.1		
QSPA	South Pole Qui	59.79	180	P	P	17 44 46.2	+0.3		
MAW	Mawson	71.83	201	P	P	17 46 01.1	-0.6		
FINES	FINES Array B	144.52	339	PKP	PKPbc	17 54 07.3	-3.3		
JMA 27 17:58:40.1±0.9,45°N,5°15'0E",h30km,MV3.9/9, KURILE ISLANDS REGION									
SKHL 27 17:58:38.6±0.4,45:10N,150:40E,h25km,5km,mb4.4/3, Kuril Islands									
Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC			
					h m s <th>ISC</th>	ISC			
KUR	Kuril'sk	1.80	275	Op	ISC	h m s	ISC		
KUR				AMB	AMB	17 59 07.8	-0.7		
KUR				iS	A	17 59 08.6	-1.3		
KUR				A	Sn	17 59 29.7			
KUR				A	A	17 59 29.7			
KUR				A	A	17 59 29.7			
SHO				A	A	17 00 06.7			
SHO				eP	Pn	17 59 22.0	-0.2		
SHO				AMB	AMB	17 59 25.8			
SHO				eS	Sn	17 59 54.3	-1.3		
YUK	Yuzh-Kuril'sk	3.41	253	eS	Sn	18 00 10.1	+0.3		
YUK				AMB	AMB	17 59 31.1	+0.8		
YUK				A	A	18 00 21.7			
YUK				A	A	18 00 21.7			
NEM2	Nemuro 2	3.77	244	eP	Pn	17 59 35.8	+0.7		
NEM2				eS	Sn	18 00 17.2	-1.4		
NMR	Nemuro-Hokkai	3.78	244	eS	Sn	18 00 18.6	-0.2		
NMR				Pn	Pn	17 59 36.0	+0.8		
JRA	Rausu	3.95	255	Pn	Pn	17 59 40.8	+3.3		
JNK	Nakash	4.35	252	eP	Sn	17 59 44.9	+1.9		
AKK	Akkashi	4.51	244	eS	Sn	18 00 36.8	-0.2		
AKK				eP	Pn	17 59 46.2	+0.9		
JTKR	Abashiri-Toko	4.78	259	eP	Pn	17 59 51.7	+2.8		
JAR	Anhorobuto	5.10	252	Pn	Pn	17 59 56.1	+2.8		
JAR				eS	Sn	18 00 50.8	-0.6		
JOB	Onsho	5.22	247	eP	Pn	17 59 56.2	+1.2		
JOB				eS	Sn	18 00 53.7	-0.7		
JCH	Churui	5.66	246	eP	Pn	18 00 02.2	+1.1		
JNBK	Urakawa-nobuka	6.22	246	eP	Pn	18 00 09.3	+0.6		

ICD 27 18:13:18.3±2.0,6:49S,154:78E,h0km,mb3.5/3,
mbmp3.7/5,ML1.6/1,MS2.8/1,Error ellipse: s-maj=38.9km
s-min=30.1km az=102.0

ISC 27 18:13:22.9±1.8,6:65S,0:1:154:9E,0:2,h35km,n6,c=994/8,
mb3.3/3,Bougainville-Solomon Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC			
					h m s	ISC			
KRVT	Keravat (AS076)	3.60	308	Op	ISC	h m s	ISC		
KRVT				Pn	Pn	18 14 15.2	-1.1		
KRVT				Sn	Sn	18 14 58.4	+0.9		
KRVT				LR	LR	18 15 53.7			
PMG	Port Moresby	8.13	249	Pn	Pn	18 15 17.4	-1.1		
PMG				Sn	Sn	18 16 49.9	+0.7		
WRA	Warrungu Arr	23.95	234	P	P	18 18 34.6	+0.5		
ASAR	Alice Springs	26.36	228	P	P	18 18 56.1	+0.1		
MKAR	Makanchi Array	62.99	319	P	P	18 25 44.7	+0.1		
TORD	Tord Ar. Bea	152.77	286	PKPbc	PKPbc	18 33 18.0	+0.7		
ISC 27 18:33:34.0±1.7,5:85S,106:62W,h0km,mb3.6/5, mbmp3.6/5,Error ellipse: s-maj=189.5km s-min=35.1km az=87.0,Central East Pacific Rise									
Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC			
					h m s <th>ISC</th>	ISC			
TXAR	Lajitas Array	35.10	4	Op	ISC	h m s	ISC		
TXAR				P	P	18 40 29.4	+0.1		
H03N2	Juan Fernandez	37.61	140	T	T	19 20 56.4			
H03N1	Juan Fernandez	37.62	140	T	T	19 20 57.8			
H03N3	Juan Fernandez	37.63	140	T	T	19 20 57.2			
NVAR	Mina Array Bea	45.37	347	P	P	18 41 53.4	-1.1		
YKA	Yellowknife Arr	68.42	356	P	P	18 44 37.4	0.0		
ILAR	Eielson Array	76.48	343	P	P	18 45 26.2	+0.8		
QSPA	South Pole Qui	84.21	180	P	P	18 46 07.1	-0.1		
H11S2	WAKE ISLAND Hy	88.69	289	T	T	20 23 59.6			
H11S1	WAKE ISLAND Hy	88.70	289	T	T	20 23 47.8			
H11S3	WAKE ISLAND Hy	88.71	289	T	T	20 23 56.3			
ICD 27 18:35:23.8±1.6,6:08S,106:97W,h0km,mb3.7/6, mbmp3.7/6,Error ellipse: s-maj=146.8km s-min=31.8km az=91.0									
ISC 27 18:35:25.4±1.4,6:15S,0:2:107:1W,0:9,h10km,n16, c=50/7.0,mb3.6/6,Central East Pacific Rise									
Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC			
					h m s <th>ISC</th>	ISC			
TXAR	Lajitas Array	35.36	5	Op	ISC	h m s	ISC		
TXAR				P	P	18 42 17.1	+0.2		
H03N2	Juan Fernandez	37.75	140	T	T	19 22 43.7			
H03N1	Juan Fernandez	37.77	140	T	T	19 22 44.2			
H03N3	Juan Fernandez	37.77	140	T	T	19 22 40.3			
NVAR	Mina Array Bea	45.49	348	P	P	18 43 45.3	0.0		
PDAR	Pinedale Array	48.66	358	P	P	18 44 10.3	+0.2		

27d 18h									
YKA	Yellowknife Arr	68.62	356	P	P	18 46 27.5	-0.8		
ILAR	Eielson Array	76.55	344	P	P	18 47 16.1	+0.4		
QSPA	South Pole Qui	83.98	180						

27d 19h

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes entries like QSPA South Pole Qui, H1N13 WAKE ISLAND Hy, H1N12 WAKE ISLAND Hy, etc.

IDC 27 19:02:17.5, 1.8, 3.99S; 129.19E, h0km, mb3.7/4, mbmp3.9/5, ML3.9/11, MS3.4/11, Error ellipse: s-maj=72.0km s-min=26.3km az=62.1

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes entries like BNDI Bandanaira, NMAI Nmai, SANI Sanaka, etc.

IDC 27 19:16:27.1, 0.6, 2.80S; 68.13E, h0km, mb4.0/19, mbmp4.0/19, MS3.7/26, Error ellipse: s-maj=19.4km s-min=16.3km az=40.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes entries like DGAR Diego Garcia, PALK Pallekele, OPO Ambortempo, etc.

SJA 27 19:19:30.6, 0.7, 17.55S; 69.54W, h175km, 4km, ML4.8, MW4.5

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes entries like KURK Kurchatov, BVAR Borovoye Array, DAV Davao City (W), etc.

2017 NOV

Main table for 2017 NOV with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes entries like KURK Kurchatov, BVAR Borovoye Array, DAV Davao City (W), etc.

SJA 27 19:19:32.7, 2.8, 17.57S; 69.34W, h160km

NEIC 27 19:19:32.7, 2.8, 17.56S; 0.06:69.33W, 0.07, h154km, 4km, mb4.9/13k, Mmw4.8/16, Mwr5.0(GUC), Error ellipse: s-maj=110.1km s-min=7.9km az=110.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes entries like SCB 27 19:19:32.0, 1.3, 17.61S; 69.41W, h164km, 7km, ML4.7/4, MW4.9, Error ellipse: s-maj=5.9km s-min=4.5km az=2.0

1862

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes entries like PB12, BBOE La Paz, Chacabuta, BS00 La Paz, etc.

27d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSO Missoula, K05A Summer Lake, TOAD Torodi Ar. Sit, etc.

2012 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BATI Baumata, SONM Songino Array, SONM Songoing Array, etc.

IDC 27 19:30:23.4:1.4, 6.68S, 107.03W, h0km, mb3.8/8, mbmp3.8/8, MS3.9/28, Error ellipse: s-maj=131.8km s-min=30.9km az=89.0

ISC 27 19:30:25.0:1.1, 6.75S, 106.9W, h10km, n40, i180B/10, mb3.9/8, MS3.9/28, Central East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RPN Rapa Nui, JTS Las Juntas de, ATAH Atahualpa, etc.

1864

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H08S3 Diego Garcia H, ASAR Alice Springs, ASAR 1.2nm, 0.9s, baz=232, etc.

TEH 27 19:36:34.5, 30.93N, 50.01E, h11km, 15km, ML3.4 OMAN 27 19:36:45.6:1.2, 30.19N, 50.44E, h10km, mb3.9/11, Error ellipse: s-maj=10.5km s-min=9km az=108.0

ISC 27 19:36:37.5:1.0, 30.75N, 50.06E, h25km, n50, i2913/68, Northern and central Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ABEH Behbahan, AMIS Natl Seifid, KLNJ Kolanjaj, etc.

27d 21h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Huaiquique, Chusmiza, IPOC Station P, etc.

NOU 27 20:19:07.2, 21:35S, 169:03E, h0km, MLV3.9/7, Southeast of Loyalty Islands
IDC 27 20:19:10.3, 22:19S, 168:84E, h0km, mb3.8/3, mbmp3.8/4, ML3.6/1, MS3.1/4, Error ellipse: s-maj=73.3km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mare, Loyalty, LIFNC, PINNC, etc.

NOU 27 20:32:51.0, 20:93S, 168:70E, h0km, MLV3.9/6, Loyalty Islands
IDC 27 20:32:58.4, 4.9, 20:87S, 167:90E, h0km, mb4.0/5, mbmp4.0/5, MS3.6/5, Error ellipse: s-maj=125.5km

NEIC 27 20:32:59.9, 2.1, 21:13S, 0:04, 168:00E, 0.06, h14km, gkm, mb4.1/6, Error ellipse: s-maj=8.6km, s-min=3.8km, az=62.0
ISC 27 20:32:58.1, 0.9, 21:11S, 0:05, 168:14E, 0.08, h10km, n15, a153/33, mb4.0/9, MS3.3/3, 4D, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mare, Loyalty, LIFNC, PINNC, etc.

IDC 27 20:33:19.1, 10.0, 20:56S, 177:60W, h238km, 90km, mb3.5/6, mbmp4.1/6, Error ellipse: s-maj=35.8km

ISC 27 20:33:19.8, 0.8, 20:45S, 0:2, 177:7W, 0.2, h250km, n16, a093/17, mb3.7/6, Fiji Islands region

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

27 NOV

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Alice Springs, WRA, GSPA, SNAAS, etc.

IDC 27 20:47:28.2, 8.0, 6:75S, 127:90E, h340km, 93km, mb2.5/1, mbtmp3.9/4, Error ellipse: s-maj=112.1km

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

IDC 27 21:34:23.9, 0.7, 6:92S, 143:96E, h0km, mb4.6/14, mbtmp4.5/18, ML4.2/3, MS3.6/14, Error ellipse: s-maj=17.2km, s-min=10.1km, az=108.0
BJI 27 21:34:24.2, 0.0, 6:89S, 144:19E, h15km, mb4.8/47, mB5.1/23, Ms4.9/5, Ms7.4/6/5
DJA 27 21:34:25.3, 0.3, 7:54, 14:4E, h10km, M4.9/29, mB5.5/12, mb5.0/29, MLV4.9/4, Mw(mB)4.9/12
NEIC 27 21:34:26.1, 2.3, 6:81S, 0:09, 144:0E, 0.1, h10km, 1km, mb4.8/44, Error ellipse: s-maj=21.0km, s-min=9.9km, az=50.0

ISC 27 21:34:28.3, 0.4, 6:97S, 0:05, 143:99E, 0:06, h30km, n133, a181/133, mb4.8/50, MS3.4/12, 3C-4D, New Guinea

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

1866

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Toliti, Stephens Creek, Mapaga, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ODAN Odare, PALK Pallete, RAMN Ramite, JIRN Jiri, GUN Gumba, PKI Pulchoki, PKIN Phulcho, KKN Kakani, DMN Damaz, GKN Gorkha, KOLN Koldanda, DANN Dangsing, PYUN Piuthan, VNDA Vanda, WMQ Urumqi, MK31 Makanchi Array, MKAR Makanchi Array, MAZK Makanchi, KSH Kashi, NIL ZAAO, ZALV Zalesovo Beam, AAK Kurchatov, KURKB Kurk, KURBB Kurchatov Arra, KBL Kabul, KK31 Karatay Array, QSPA South Pole Qui, CAST Castle Rocks, BVAR Borovoy Array, CCB Clear Creek Bu, ILAR Eielson Array, ELIB Princess Elisa, TORO Torodi Ar. Bea, TORO Princesa Elisa, DBIC Dimbokro.

IDC 27.21:58:12.7-2.1, 6.51N, 129.21E, h0km, mb3.5/1, mtb1p3.8/3, ML4.1/2, Error ellipse: s-maj=117.4km s-min=31.3km az=68.0, Banda S

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, NEIC 27.22:03:25.5-2.6, 15.91N, 102.05-95.14W, 0.03, h35km, 2km, MEX 27.22:03:27.0-0.6, 15.88N, 95.14W, h26km, 38km, MD4.8, GCG 27.22:03:25.6-0.7, 15.90N, 102.03-95.15W, 0.02, h52km, 7km, NILT Santiago Nilte, HUIG Huatulco, CMIG Matias Romero, CARR Arriaga, UXUV UXUV, PEIG Puerto Escondi, TGIG Tuzandepelt.

Table with columns: YOID, YOID, YOID, PMUV, TXIG, TXIG, TXIG, PNIG, PATR, PATR, CCGI, CCGI, PAVE, PAVE, THIG, THIG, THIG, CHUU, CHUU, HLIG, HLIG, TPFG, TPFG, FTIG, FTIG, FTIG, FTIG, PHEH, MGIG, MGIG, MGIG, MGIG, RETAL, STG3, STG3, TLIG, TLIG, TLIG, CRIG, CRIG, CRIG, CRIG, LVIG, FUG, DAIG, DAIG, DAIG, DAIG, MEIG, MEIG, MEIG, MEIG, YAI, YAI, YAI, YAI, PLIG, PLIG, PLIG, SCIG, SCIG, CAIG, CAIG, CAIG, UNM, UNM, UNM, ARIG, ARIG, ARIG, ARIG, DHIG, DEIG, MTO3, SNET, ZIIG, ZIIG, ZIIG, MOIG, MOIG, MOIG, MYIG, RPIG, RPIG, TEIG, TEIG, TEIG, TGUH, GTIG, GTIG, GTIG, MMIG, MMIG, CRIN, COLIM, JUBC, EZSV, EZSV, INCO, SOWAC, CNGN, CDAR, CEGR, MATN, CHUV, ZIAG, ZIAG, ZIAG, LNIG, LNIG, LNIG, LNIG, ANIG, ANIG, ANIG, ANIG, ARE1, HBVL, LCHR, 833A, PDIG, PDIG, HNDO, HNDO, HPIG, HPIG, H3PB, H3PB, BCIG, BCIG, ICHT, SAND, TXAR, TXAR, TX31, TX31, BRDY, BRDY, OZNA, ALPN, LPIG, LPIG, LPIG.

Table with columns: FW13, SGCY, MNHN, FW07, PLPT, FW06, ABTX, Z38A, Z38A, PECS, PECS, ODSA, ODSA, SN01, SN01, APMT, APMT, POST, POST, WTF5, WTF5, DKNS, MIAR, UALR, IS2A, WIAH, HSIG, 319A, FCAR, 121A, RLO, GOGA, GOGA, Y52A, X51A, X51A, CRNM, DUN6, T3SA, W50A, WVT, CBOC, MGMO, ANMO, ANMO, TUC, TUC, S39A, BG3, YOTC, JAMC, GUYC, TKL, TKL, T47A, PTEC, CCM, BBAC, NORC, R40A, ANIA, PPOC, 214A, X18A, X18A, TULM, TULM, PXC, ORTO, TZTN, ROSC, ROSC, BARC, X16A, X16A, PAMC, WCI, WCI, U54A, RUSC, CHIC, Y14A, MIVCO, SDV, SDV, BOVC, MCRA, W13A, MTPU, JFWS, JFWS, SPMN, SPMN, PDAR, HVU, NVAR, NVAR, SNOW, LOHW, LOHW, HLID, HLID, NNA.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like Suckling Hills, Bradley Lake, Grindie Hills, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like Edge Creek, Augustine Lava, Augustine Qik, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like Katmai Hardscr, Katmai Hardscr, Katmai Hardscr, etc.

27d 22h

Table with columns for station ID, name, elevation, and coordinates. Includes stations like H22K, M16K, K29M, etc.

2017 NOV

Table with columns for station ID, name, elevation, and coordinates. Includes stations like L14K, F20K, E24K, etc.

1870

Table with columns for station ID, name, elevation, and coordinates. Includes stations like T35M, INK, INK, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like NACGM Naroch, BRZS Berezinski, LYN LuoYang, MNK Minsk, SUW Suwalki, MAK Makanchi, IBN Ibbenburen, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like CLL Collm, BAIF Baives, WLF Walferdange, WLF Walferdange, WLF Walferdange, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like TREC Trest, BFO Black Forest, BFO Black Forest, BFO Black Forest, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

27d 22h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like MBDF, BHB, RRL, ORIF, etc.

RSNC 27 22:30:40.7±1.5, 6:90N-73°13W, h144km±6km, ML3.4, Mw3.8

IDC 27 22:30:43.4±4.5, 6:63N-73°42W, h192km±36km, mb2.7/1, mbmp3.2/1, Error ellipse: s-maj=75.1km s-min=39.4km az=52.0

ISC 27 22:30:38.8±1.0, 6:91N-073°10W±0.04, h153km±7km, n38, e187/74, 2C-4D, Northern Colombia

Main station list table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like BARC, PAMC, RUSC, OCAC, TAMC, etc.

2017 NOV

Main station list table for 2017 NOV with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like PRAC, ORTE, CRJC, etc.

1878

Main station list table for 1878 with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like ASAR, Alice Springs, KDU, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like YUHA, N14K, PFO, P17K, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like BRSE, NEE2, KLR, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like SML, U33K, U15A, etc.

27d 22h

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like SKAG Skagway, YUK6 Steele Glacier, M26K Nabesna, etc.

2017 NOV

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like M29M Somme Creek, M29N Somme Creek, POKR Poker Flat, etc.

1880

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like MAYO Mayo, YUKON Mayo, YFT Old Faithful, etc.

s-maj=50.7km s-min=11.1km az=47.0
 CATAC 27.23:59.57.9.0.3, 9.40N, 84.63W, h2km, 2km, ML4.2,
 Hypocentre not reviewed by the ISC
 NEIC 28.00:00.00:0.1, 1.4, 9.48N, 0.03:84.59W, 0.02, h14km, 3km,
 mb4.3/8, Error ellipse: s-maj=5.0km s-min=2.3km
 az=189.0

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
JACO	JACO, Garabito	0.21	344	Pg	00 00 04.8	-0.1	
JACO	JACO, Garabito	0.21	344	Pg	00 00 09.6	+1.4	
JACO	JACO, Garabito	0.21	344	iP	00 00 04.1		
JACO	JACO, Garabito	0.21	344	IAML	00 00 05.0		
JACO	Tacares	0.65	27	iP	00 00 06.9		
JACO	Tacares	0.65	27	iP	00 00 12.6		
JACO	Tacares	0.65	27	IAML	00 00 28.8		
LCR2	La Lucha 2	0.65	65	Pg	00 00 12.3	-0.4	
LCR2	La Lucha 2	0.65	65	Pg	00 00 12.8	0.0	
LCR2	La Lucha 2	0.65	65	Sg	00 00 20.8	-0.7	
LCR2	La Lucha 2	0.65	65	iP	00 00 12.2		
LCR2	La Lucha 2	0.65	65	iS	00 00 20.5		
LCR2	La Lucha 2	0.65	65	IAML	00 00 26.1		
TBLN	Tablon, Guarco	0.69	59	iP	00 00 12.1		
TBLN	Tablon, Guarco	0.69	59	iP	00 00 21.6		
TBLN	Tablon, Guarco	0.69	59	iS	00 00 21.7		
HDC	Heredia	0.72	42	Pb	00 00 13.8	-0.1	
HDC	Heredia	0.72	42	Pb	00 00 23.2	+0.3	
HDC3	Heredia 3	0.72	42	iP	00 00 13.5		
HDC3	Heredia 3	0.72	42	iP	00 00 23.3		
HDC3	Heredia 3	0.72	42	IAML	00 00 30.2		
OCM	Ochomog	0.77	56	iP	00 00 14.2		
OCM	Ochomog	0.77	56	iS	00 00 24.4		
OCM	Ochomog	0.77	56	IAML	00 00 30.6		
RIMA	Rio Macho	0.79	67	Pg	00 00 14.8	-0.5	
RIMA	Rio Macho	0.79	67	Sg	00 00 28.3	+0.7	
VPEE	Poasito	0.81	29	iP	00 00 15.1		
VPEE	Poasito	0.81	29	IAML	00 00 15.9		
VPEE	Poasito	0.81	29	iS	00 00 26.0		
CDM	Cerro de Muert	0.83	84	iP	00 00 15.3		
CDM	Cerro de Muert	0.83	84	iS	00 00 26.3		
CDM	Cerro de Muert	0.83	84	IAML	00 00 30.5		
CPMI	Catarata Coopes	0.84	15	iP	00 00 15.9		
CPMI	Catarata Coopes	0.84	15	iS	00 00 27.8		
CPMI	Catarata Coopes	0.84	15	IAML	00 00 30.7		
JTS	Las Juntas de	0.90	337	Pg	00 00 15.8	-1.4	
JTS	Las Juntas de	0.90	337	Pg	00 00 28.3		
JTS	Las Juntas de	0.90	337	Lg	00 00 28.3		
HAYA	Volcan Irazu	0.91	55	iP	00 00 16.8		
HAYA	Volcan Irazu	0.91	55	IAML	00 00 18.3		
HAYA	Volcan Irazu	0.91	55	iS	00 00 28.8		
SOCE	Pocosol	0.92	359	Pg	00 00 17.5	+0.3	
SOCE	Pocosol	0.92	359	Pb	00 00 31.7	+1.1	
SOCE	Pocosol	0.92	359	iP	00 00 16.8		
SOCE	Pocosol	0.92	359	iS	00 00 29.5		
SOCE	Pocosol	0.92	359	IAML	00 00 34.9		
INDI	Punta indio, G	0.97	295	iP	00 00 16.3		
INDI	Punta indio, G	0.97	295	iS	00 00 30.5		
INDI	Punta indio, G	0.97	295	IAML	00 00 35.6		
ARE1	Arenal 1	1.00	353	Pg	00 00 18.7	-0.5	
ARE1	Arenal 1	1.00	353	Pb	00 00 19.1	+0.5	
VACH	Volcan Arenal	1.01	356	iP	00 00 18.5		
VACH	Volcan Arenal	1.01	356	iS	00 00 31.7		
VACH	Volcan Arenal	1.01	356	IAML	00 00 38.4		
RIFO	Rio Frio, Sara	1.08	38	iP	00 00 19.4		
RIFO	Rio Frio, Sara	1.08	38	iS	00 00 20.9		
RIFO	Rio Frio, Sara	1.08	38	iS	00 00 35.0		
ORTG	Ortega, Santa	1.23	317	Pb	00 00 20.9	-1.3	
ORTG	Ortega, Santa	1.23	317	Sb	00 00 38.2	+0.0	
ORTG	Ortega, Santa	1.23	317	iP	00 00 20.8		
ORTG	Ortega, Santa	1.23	317	iS	00 00 38.2		
ORTG	Ortega, Santa	1.23	317	IAML	00 00 42.3		
COVE	Coopve Vega, Sa	1.27	9	Pn	00 00 22.7	+0.1	
COVE	Coopve Vega, Sa	1.27	9	iP	00 00 22.5		
COVE	Coopve Vega, Sa	1.27	9	iS	00 00 40.6		
COVE	Coopve Vega, Sa	1.27	9	IAML	00 00 47.5		
BATAN	Batan	1.36	62	Pg	00 00 25.3	-0.8	
BATAN	Batan	1.36	62	iP	00 00 24.0		
BATAN	Batan	1.36	62	iS	00 00 43.3		
BATAN	Batan	1.36	62	IAML	00 00 47.5		
TRT2	Tortugero	1.38	38	iP	00 00 24.3		
TRT2	Tortugero	1.38	38	IAML	00 00 25.5		
TRT2	Tortugero	1.38	38	iS	00 00 43.4		
VMAR	Armenia, Volca	1.44	339	iP	00 00 25.2		
VMAR	Armenia, Volca	1.44	339	iS	00 00 45.8		
VMAR	Armenia, Volca	1.44	339	IAML	00 00 49.2		
POTG	Potrero Grande	1.52	105	iP	00 00 25.1		
POTG	Potrero Grande	1.52	105	iS	00 00 46.7		
POTG	Potrero Grande	1.52	105	IAML	00 00 53.0		
VRLE	La Escudrida,	1.52	330	iP	00 00 25.9		
VRLE	La Escudrida,	1.52	330	iS	00 00 46.6		
VRLE	La Escudrida,	1.52	330	IAML	00 00 53.7		
PIRO	Carate, Puerto	1.63	130	iS	00 00 49.0		
MLIR3	Monte Lirio, C	1.88	111	eP	00 00 34.0	+0.4	
CTCR	Cotoano	1.90	107	iP	00 00 31.7		
CTCR	Cotoano	1.90	107	iS	00 00 55.7		
CTCR	Cotoano	1.90	107	IAML	00 01 11.8		
CDITO	Canoas	1.92	117	Pb	00 00 33.9	-0.4	
CDITO	Canoas	1.92	117	iP	00 00 30.9		
CDITO	Canoas	1.92	117	iS	00 00 56.1		
CDITO	Canoas	1.92	117	IAML	00 01 29.7		
RGMO	Gandoca	1.97	86	Pb	00 00 34.1	-1.0	
BRU2	Volcan	2.00	109	Pb	00 00 33.8	+0.7	
BRU2	Volcan	2.00	109	eP	00 00 35.3	-0.4	
BRU2	Volcan	2.00	109	Sg	00 01 06.9	+2.7	
BCN3	Paso Ancho	2.07	108	eP	00 00 35.8	+1.9	
BCN3	Paso Ancho	2.07	108	eP	00 00 33.5	-0.6	
CN12	El Empalme, Bo	2.10	91	eP	00 00 05.0	+1.8	
CN12	El Empalme, Bo	2.10	91	eP	00 00 31.7	+1.2	
LNIG03	Los Naranjos,	2.23	107	iP	00 00 37.3		
JAPN	Al SSO del Vol	2.31	333	iP	00 00 45.9		
JAPN	Al SSO del Vol	2.31	333	IAML	00 00 45.9		
DVD	David	2.36	115	eP	00 00 40.5	-1.2	
DVD	David	2.36	115	eS	00 01 16.7	+1.0	
PSOM3	Paja de Sombre	2.38	109	eP	00 00 39.4	+1.4	
CHGR2	Aguaate	2.48	102	eP	00 00 39.6	+0.2	
CHGR2	Aguaate	2.48	102	eS	00 01 18.3	-1.4	
ACON	Acopyapa	2.56	347	Pn	00 00 40.7	+0.4	
ACON	Acopyapa	2.56	347	iP	00 00 40.5		
ACON	Acopyapa	2.56	347	IAML	00 00 47.6		
ACON	Acopyapa	2.56	347	iS	00 01 13.8		
ESPN	Las Esperanzas	2.73	6	Pn	00 00 43.6	+0.8	
CNGN	Cerro Negro	3.63	326	Pn	00 00 58.0	+2.5	
MATN	Metagalapa	3.69	339	Pn	00 00 56.4	+0.4	
AZU	Azuero	4.59	111	eP	00 01 09.8	+1.4	
BCIP	Isla Barro Col	4.71	91	eP	00 01 10.7	+0.7	
MTO3	Monteclaro	6.76	317	Pn	00 01 41.9	+3.4	
TEIG	Tepeich	11.28	342	LR	00 06 58.8		
ATAH	Atahualpa	17.61	159	Pn	00 04 04.7	-0.1	
ATAH	Atahualpa	17.61	159	Pn	00 04 04.7	-0.1	
TBTO	Tatabating, Am	19.95	132	P	00 04 34.4	+1.5	
553A	Crawfordville	20.62	0	P	00 04 30.7	+1.3	
553A	Crawfordville	20.62	0	Iamb	00 04 40.4		
152A	Waverly Hall	23.10	360	P	00 05 04.9	+0.2	

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
152A	comp=2.6,6nm,0.9s						
833A	Chaparral WMA,	23.36	325	P	00 05 06.8	-0.6	
833A	Chaparral WMA,	23.36	325	P	00 05 08.2		
LRAL	Lakeview Retre	23.57	355	P	00 05 09.7	+0.3	
DRIO	Del Rio	24.89	325	P	00 05 22.4	+0.7	
DRIO	Del Rio	24.89	325	Iamb	00 05 23.3		
YS1A	Calhoun	24.99	360	P	00 05 27.7	+0.2	
BRDY	Brady	25.51	330	P	00 05 27.0	-0.4	
BRDY	Brady	25.51	330	Iamb	00 05 27.3		
TXAR	Lajitas Array	26.65	321	P	00 05 38.7	+0.9	
TXAR	Lajitas Array	26.65	321	P	00 05 36.8	-1.0	
TX32	Lajitas Array	26.65	321	P	00 05 38.0	+0.3	
H06E1	SOCORRO T-PHASE2	12.293	T	T	00 04 30.2		
SIV	San Ignacio	34.38	137	P	00 06 45.5	-0.7	
X16A	Lo Mia Camp,	34.95	319	Iamb	00 06 52.8	+1.7	
X16A	Lo Mia Camp,	34.95	319	Iamb	00 06 53.4		
NVAR	Minia Array Bea	41.78	319	P	00 07 47.7	-0.9	
NVAR	Minia Array Bea	41.78	319	PcP	00 09 45.6	+0.9	
YKA	Yellowknife Ar	57.23	344	P	00 09 43.4	-2.3	
MDT	Midelt	76.56	58	LR	00 39 18.2		
ESDC	Sonsecra Array	76.84	51	P	00 11 49.6	-1.3	
ESDC	Sonsecra Array	76.84	51	LR	00 39 24.1		
DBIC	Dimbro	78.86	85	LR	00 43 58.0		
SPITS	Spitsbergen Ar	83.05	12	LR	00 49 49.3		
TORD	Tordi Ar. Bea	84.32	78	LR	00 49 56.5		
NOA	NORSAR Array B	84.61	29	LR	00 49 59.3		
HFS	Hagfors	85.98	30	LR	00 49 39.3		
DAVOX	Davos/Dischmat	86.24	43	LR	00 46 23.0		

28d Oh

Table with columns: Name, Date, Time, and other details. Includes entries like GCUF Volcan Galeras, T60A Hurry, 255A Hazlehurst, etc.

2017 NOV

Table with columns: Name, Date, Time, and other details. Includes entries like BRAL comp=Z,41nm,0.9s, BRAL Brewton, SSSA Standing Stone, etc.

1884

Table with columns: Name, Date, Time, and other details. Includes entries like PBM0 Poplar Bluff, PBM0 Meyer Farm, Va, Q44A Vilhena, etc.

1885

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like OK033 Mehan, FNO Franklin, K38A Parkersburg, etc.

2017 NOV

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like PB07, KSCO Kaye Shedlock, KSCO Kaye Shedlock, etc.

28d Oh

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like YMP, MVU Marysvale, W14A Wickenburg, etc.

28d OH

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like BO04 La Punt, BMO Blue Mountains, and many others.

2017 NOV

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like I30M Mount Dempster, F30M Barrier River, and many others.

1886

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like HDA Harding Lake, POKR POKR, and many others.

Mn-3.64; Mse1.17; Mse2.47; Mse-0.31; Mse0.40; Mvr1.45;
 Fault plane solution: M3.43000x10¹⁴ NP1;
 0.186,00000°, 857,00000°, -98,00000°. NP2: 0.20,00000°,
 834,00000°, -78,00000°.
 JMA 28 01:54:20.4, 0.3, 39°N1°14'5E; h13km, MV4.0/25, FAR
 E OFF NORTH HONSHU
 IDC 28 01:54:21.9, 2.5, 38°02'N; 143°84'E, h0km, mb3.6/4,
 mbmp3.6/6, ML3.0/2, MS3.7/1, Error ellipse: s-maj=68.6km
 s-min=25.9km az=62.0

ISC 28 01:54:22.2, 1.3, 38.81°N, 0.07x144.73°E, 0.09, h29km, n24,
 r192/24, mb3.8/4, Off east coast of Honshu

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time Res	ISC	h	m	s	ISC
OFUJ	Ofunato	2.44	82	eS		01 55 27.9	-0.9				
MIJV	Miyakonagasawa	2.46	294	eP		01 54 59.8	-0.5				
MIJV	Miyakonagasawa	2.46	294	eP		01 55 28.6	-0.8				
JKMT	Kesennumaotokoy	2.56	276	eS		01 55 30.7	-1.0				
JKMH	Ishinomakikobu	2.58	264	eS		01 55 30.4	-2.0				
JMK	Ichinoseki	2.76	278	eS		01 55 37.1	+0.2				
JANG	Nango	3.05	306	eS		01 55 43.5	-0.5				
JYK	Kaneyama	3.43	277	eP		01 55 14.5	+0.8				
JYTO	OTAMA OYAMA	3.62	255	0		01 55 53.8	+0.4				
JOTO	JOTO	4.17	41.0	eS		01 57.4	+1.0				
JCH	Churui	4.13	346	P		01 55 26.4	+1.2				
JCH	JCH	4.13	346	P		01 56 09.5	-1.2				
NEM2	Nemuro 2	4.81	9	P		01 55 31.5	-1.2				
NEM2	Nemuro 2	4.81	9	P		01 56 23.5	-4.0				
JRY	Ryogami san	5.32	243	eP		01 56 39.1	-0.6				
JRY	Ryogami san	5.32	243	eP		01 56 35.9	-4.0				
JTRK	Abashiri-Toko	5.39	354	eS		01 56 39.5	-2.2				
MJAR	Matsushiro Arr	5.57	250	Pn		01 55 34.2	-9.0				
JOD2	Odawara 2	5.62	235	eS		01 56 43.2	-4.2				
USRK	Usuryisk Ar.	11.07	304	Pn		01 56 59.1	+0.6				
USRK	Usuryisk Ar.	11.07	304	Pn		01 56 59.1	+0.6				

1.5km, 0.3s, baz=92, slow=14, SNR=5.5

KSR5 Korea Array 13.30 270 LR LR 02 02 05.5

H11N2 WAKE ISLAND Hy 26.87 128 T T 02 27 58.0

H11N1 WAKE ISLAND Hy 26.88 128 T T 02 27 56.1

H11N3 WAKE ISLAND Hy 26.89 128 T T 02 27 54.6

MKAR R Matkanol Array 47.2 301 P P 02 04 40.8 +1.7

KURBB Kurchatov Arra 47.2 307 P P 02 02 53.7 +2.2

WRA Warramunga Arr 59.05 191 P P 02 04 18.1 -1.4

ASAR Alice Springs 62.77 191 P P 02 04 45.0 +0.2

ULM Lac du Bonnet 76.73 35 LR LR 02 41 27.4

MOS 28 02:04:24.0, 4.0, 1.95S; 79°91'W, h69km, mb5.1/36, Error ellipse: s-maj=11.5km s-min=5.4km az=109.0

NEIC 28 02:04:26.7, 1.5, 2.06S; 0.04x79.97W; 0.05, h70km, 4km, mb5.0/381, Error ellipse: s-maj=7.1km s-min=6.3km az=115.0

IGQ 28 02:04:26.0, 4.2, 2°S; 8°0W; h62km

GCMT 28 02:04:27.0, 4.0, 1.97S; 0.02x80°12'W; 0.03, h85km, 5km, MW4.9/90, Moment tensor: s17, c17, s90, c107; Duration: 0 Moment tensor: Scale 1016Nm; Mw0.81; 1.3; Mw-0.78; 11; Mw-0.02; 14; Mw-1.43; 05; Mw-0.85; 14; Mw1.45; 08; Best double couple; Mw2.15600; 1.1; NP1: 0.293, 0.00000°, 881, 0.00000°, 1.17, 0.00000°. NP2: 0.4, 0.00000°, 828, 0.00000°, 1.19, 0.00000°. Principal axes: T 2.6870, Plg47.0000°, Azm231.0000°, N -1.0620, Plg27.0000°, Azm108.0000°, P -1.6250, Plg31.0000°, Azm1.0000°; nst1 refers to body waves, cutoff=40s, nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BUI 28 02:04:28.0, 0.0, 2.10S; 79°90'W, h80km, mb5.2/1

IDC 28 02:04:28.2, 0.2, 1.92S; 79°77'W, h90km, 19km, mb4.2/16, mbmp4.2/1, MS3.7/2, Error ellipse: s-maj=19.2km s-min=11.2km az=64.0

VAO 28 02:04:28.4, 0.4, 1.86S; 79°54'W, h66km, mb4.9

ISC 28 02:04:26.1, 0.3, 2.02S; 0.03x79.92W; 0.03, h71km, 2km, h71km; pP, n1125, r111/1188, mb5.0/208, 6C-7D, Near coast of Ecuador

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time Res	ISC	h	m	s	ISC
AGUAY	Guayaquil	0.04	226	S		02 04 35.0	-1.4				
AMIL	Milagro (Trans	0.34	109	P		02 04 38.0	+0.3				
MILO	Milagro-Astudi	0.44	125	P		02 04 38.0	-0.5				
MILO	Milagro-Astudi	0.44	125	P		02 04 47.0	-0.6				
MORR	Playas El Morr	0.74	214	S		02 04 49.0	+1.1				
MORR	Playas El Morr	0.74	214	S		02 04 56.0	+3.0				
APLA	Playas - Guaya	0.77	218	P		02 04 41.0	-0.9				
APLA	Playas - Guaya	0.77	218	P		02 04 54.0	+0.4				
COHC	Cochancy	0.80	124	P		02 04 41.8	-0.4				
COHC	Cochancy	0.80	124	P		02 04 41.0	-1.2				
COHC	Cochancy	0.80	124	P		02 04 41.8	-0.4				
COHC	Cochancy	0.80	124	P		02 04 53.8	-0.3				
ALIBE	La Libertad	0.95	257	P		02 04 44.0	-0.1				
ISPG	Isla Puna-Puer	0.97	195	P		02 04 46.0	+1.6				
ISPG	Isla Puna-Puer	0.97	195	P		02 05 02.0	+4.1				
PPLP	Puerto Lpez	0.98	299	S		02 04 48.0	-0.4				
PPLP	Puerto Lpez	0.98	299	S		02 04 58.0	-0.1				
PPLP	Puerto Lpez	0.98	299	S		02 04 44.0	-0.1				
PPLP	Puerto Lpez	0.98	299	S		02 04 57.1	-1.0				
AQUE	Quevedo	1.06	24	P		02 04 45.0	-0.4				
AQUE	Quevedo	1.06	24	P		02 05 00.0	+0.2				
SALI	Salinas	1.08	261	Pn		02 04 45.0	0.0				
SALI	Salinas	1.08	261	Pn		02 04 45.0	-0.7				
CHSH	Refugio Sur-Vo	1.17	63	P		02 04 48.5	+1.1				
CHSH	Refugio Sur-Vo	1.17	63	P		02 05 03.2	-0.1				
CHSH	Refugio Sur-Vo	1.17	63	P		02 04 48.0	+0.6				
TAMH	Tambora-Ch	1.24	175	P		02 04 49.0	+0.5				
ACH2	Ecuador-Machal	1.24	175	P		02 04 47.0	-0.7				
ACH1	Ecuador-Univer	1.26	180	P		02 04 47.0	-0.9				
CHIS	Cerro-Chispas-	1.26	320	P		02 04 48.0	0.0				
PORT	Chimborazo Vol	1.27	74	P		02 04 49.0	+0.3				
PORT	Chimborazo Vol	1.27	74	P		02 05 06.0	+0.4				
ARIO	Riobamba	1.27	73	P		02 04 49.0	+0.5				
AZOG	Ecuador-Azogue	1.29	124	P		02 04 49.0	+0.3				
ACUE	Ecuador-Cuenca	1.30	133	P		02 04 50.0	+1.1				
ACUE	Ecuador-Cuenca	1.30	133	P		02 05 08.0	+2.1				
ISPT	Isla de la Pla	1.38	303	P		02 04 49.0	-0.6				
ISPT	Isla de la Pla	1.38	303	P		02 05 07.0	-0.2				
IGUA	Iguatalla	1.39	68	P		02 05 10.0	+0.8				
ARNL	Arenillas	1.52	186	P		02 04 51.7	+0.3				
ARNL	Arenillas	1.52	186	P		02 04 51.0	-0.4				
ARNL	Arenillas	1.52	186	P		02 05 09.0	-1.5				
BIl2	Estacion Bilba	1.52	68	P		02 04 54.0	+2.3				
EMAS	Trigal station	1.53	145	P		02 04 53.0	+1.1				
BBIL	Uba Tungurahu	1.54	68	P		02 04 53.0	+1.0				
TUYU	Q. Yuibug Volc	1.54	70	P		02 04 53.0	+0.9				
JUI6	Juive	1.57	68	P		02 04 53.0	+0.8				
RETU	Refugio	1.58	69	P		02 04 54.0	+1.3				
POND	Pondosa	1.59	69	P		02 04 54.0	+1.4				
BRUN	Tungurahua Vol	1.61	68	P		02 04 54.0	+1.1				
BULB	Uba Tungurahu	1.62	69	P		02 04 54.0	+0.9				
ALAT	Latacunga	1.70	50	P		02 04 57.0	+2.9				
ILLI	Illinizas Sur	1.76	43	P		02 04 56.0	+0.9				
PI51	Pisayambo	1.81	58	P		02 04 58.0	+2.3				
BOSC	San Juan Bosco	1.81	128	P		02 04 49.0	+0.5				
BOSC	San Juan Bosco	1.81	128	P		02 04 58.0	+2.6				
PAST	Pastocalle	1.84	44	P		02 04 58.0	+1.9				
SRAM	San Ramon-Vol	1.85	47	P		02 04 58.0	+1.8				
BRRN	Barrancas-Volc	1.90	50	P		02 04 59.0	+2.1				
SLOR	San Lorenzo	1.92	48	P		02 04 59.0	+2.5				
SLOR	San Lorenzo	1.92	48	P		02 04 59.0	+1.9				
MAGI	Magdalena	1.94	4	P		02 04 57.0	-0.1				
BMOR	Cotopaxi Volca	1.94	49	P		02 05 00.0	+2.4				
BMOR	Rancho Maria	1.95	47	P		02 05 00.0	+2.5				

VCES	Cotopaxi	1.95	51	P		02 05 00.0	+2.4				
PUYO	Puyo, Santa Ro	1.97	74	P		02 05 00.0	+2.5				
BNAS	Cotopaxi Volca	1.97	47	P		02 05 00.0	+2.1				
SUCR	Mariscal Sucre	1.98	46	P		02 05 00.0	+2.0				
BREF	Cotopaxi Volca	2.00	48	P		02 05 01.0	+2.5				
OTAN	Cotopaxi Volca	2.00	48	P		02 05 01.0	+2.3				
BVC2	Cotopaxi Volca	2.03	48	P		02 05 01.0	+2.3				
TAMB	Tambo	2.04	50	P		02 05 01.0	+2.2				
VC1	Cotopaxi 1	2.04	48	P		02 05 01.0	+2.1				
PITA	Cotopaxi Volc	2.08	46	P		02 05 02.0	+2.7				
INMA	Boca Tolman-Volc	2.12	44	P		02 05 02.0	+2.2				
HPAL	Hacienda Las P	2.20	35	P		02 05 0					

28d 2h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GOGA, WHTX, and various local news and sports channels.

2017 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WHTX, V61A, W52A, and various local news and sports channels.

1890

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SS1A, SS1A, MNHN, and various local news and sports channels.

1891

Table with columns: FVM, French Village, 40.98 347, P, P, 02 12 01.6 -0.5, etc. Includes entries like Liberty Lake, Mehan, Guay, Cathedral Cave, etc.

2017 NOV

Table with columns: M57A, HDIL, M53A, etc. Includes entries like Hopedale, WI Miller and, Ridgway, etc.

28d 2h

Table with columns: SDCO, SDCO, PIXV, etc. Includes entries like Great Sand Dun, Middlebury Col, Petrified Fore, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KKAR Karatay Array, ASAR Alice Springs, ABKAR Abkukul array, etc.

IDC 28 02:15:01.70.8.15:04S:174.23W,h0km,mb4.2/6, mbmp4.2/6, Error ellipse: s-maj=34.8km s-min=22.0km az=127.0

NEIC 28 02:15:24.71.3.15:2S:0.1:174.2W,0.1,h200km,8kgm, mb4.5/34, Error ellipse: s-maj=18.7km s-min=13.8km az=115.0

NOU 28 02:15:25.0.15:19S:174.24W,h210km,mb4.6/10, Tonga Islands

ISC 28 02:15:24.8.0.15:15S:0.09:174.27W,0.07,h200km, n76,e151478,mb4.5/28,1D, Tonga Islands

Main table for station data, including columns for Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like AFI Afiamalu, BFZ Birch Farm, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ELIB Princess Elisa, BVAR Borovoye Array, KMBO Kilima Mbogo, etc.

MEX 28 02:19:21.71.1.15:00N:94.22W,h20km,22km,MD3.8, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like PCIG, CGIJ, CHJU, etc.

NOU 28 02:37:27.8.21:55S:169.03E,h0km,MLV4.5/7, Southeast of Loyalty Islands

IDC 28 02:37:30.9.1.21:76S:168.75E,h0km,mb3.9/9, mbmp3.9/10,ML3.6/1,MS3.6/7, Error ellipse: s-maj=41.9km s-min=19.9km az=159.0

NEIC 28 02:37:33.9.2.0.21:70S:0.04:168.66E,0.4,h10km,1km, mb4.4/15, Error ellipse: s-maj=6.3km s-min=5.7km az=128.0

ISC 28 02:37:34.0.6.21:64S:0.07:168.67E,0.07,h20km,n59, n80,55,mb4.3/17,MS3.6/7,LD, Loyalty Islands

Main table for station data, including columns for Code, Station Name, Az, Phase ID, Time, Res. Lists stations like MARNC Mare, Loyalty, ONTNC Ouen Toro, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, BATI Baumata, MBWA Marble Bar, etc.

AEIC 28 02:39:44.3.0.8.54:4N:0.1:151.5W,0.2,h10km,9km, Error ellipse: s-maj=19.9km s-min=13.7km az=142.0

NEIC 28 02:39:41.9.1.2.54:52N:0.09:151.6W,0.2,h11km,9km, ML3.7/18,ML3.3(AEIC), Error ellipse: s-maj=14.5km s-min=12.0km az=112.0, South of Alaska

Main table for station data, including columns for Code, Station Name, Az, Phase ID, Time, Res. Lists stations like SII Sitkinak Island, KDAD Kodiak Island, R18K Karluk, etc.

NEIC 28 03:02:48.2.0.9.48:45N:0.03:123.63W,0.09,h27km,9km, ML2.4/22,ML2.1(OTT),ML2.5/16(SEA), Error ellipse: s-maj=3.4km s-min=3.4km az=109.0

OTT 28 03:02:49.5.0.7.48:45N:0.03:123.63W,0.04,h21km,7km, Error ellipse: s-maj=5.2km s-min=2.8km az=215.0

PGC 28 03:02:49.5.0.7.48:45N:0.123:63W,h1km,ML2.4, ML2.1/22,19km west of Victoria, Bc Vancouver Island, Canada Region

SEA 28 03:02:50.0.0.8.48:42N:0.008:123.59W,0.02,h28.4-84.0, h17km,1km, Error ellipse: s-maj=1.9km s-min=1.2km

ISC 28 03:02:48.7.0.9.48:44N:0.02:123.62W,0.02,h21km,1km, n76,e0582134, Vancouver Island region

Main table for station data, including columns for Code, Station Name, Az, Phase ID, Time, Res. Lists stations like SYMB Survey Mountai, VGZ Gonzales, etc.

28D 5h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MDOK Medeo, MDOK Kurty, CHKK Chushkaly, etc.

DJA 28 05:06:44.7, 0.6, 5.5, 5.13, 13.0E, h187km, 12km, M4.2/6, mb4.3/4, mB5.3/2, MLV4.2/6, Mw(mB)4.7/2

ISC 28 05:07:18.4, 1.6, 7.6S, 0.2, 128.2E, 0.1, h200km, n6, 0.9417, Banda Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SOEI Soe, BATI Baumata, BATI Baumata, etc.

ISN 28 05:11:32.5, 1.2, 3.4, 62N, 46.32E, h7km, 14km, ML2.9

TEH 28 05:11:33.9, 34.60N, 46.34E, h8km, 64km, ML2.9

ISC 28 05:11:33.7, 1.0, 3.4, 61N, 0.04, 46.34E, 0.04, h14km, 7km, n10, 0.057213, Western Iran

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like IDHR Dehrash, IGHG Ghaleghazi, ILIN Lien, etc.

THE 28 05:15:16.8, 41.68N, 20.78E, h0km, 3km, ML2.8/5, Error ellipse: s-maj=3.9km s-min=1.4km az=335.0

SKO 28 05:15:16.1, 41.61N, 20.70E, h7km

PDG 28 05:15:17.0, 41.62N, 20.72E, h0km, 11km, ML3.2/9, Error ellipse: s-maj=1.0km s-min=1.3km az=0.0

BEO 28 05:15:18.0, 41.65N, 20.71E, h3km, 2km, ML2.8/17

ISC 28 05:15:17.5, 1.1, 4.1, 64N, 0.02, 20.74E, 0.02, h1km, 10km, n76, 0.1933/112, 6C-6D, Albania

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SKO Skopje, TIR Tirane, FNA Florina, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SELS Pehevo, PEHC Pehevo, CEME Cevo, etc.

ISC 28 05:15:58.0, 1.8, 3.93N, 126.98E, h0km, mb4.0/6, mbmp4.0/6, Error ellipse: s-maj=184.8km s-min=18.6km

NEIC 28 05:15:58.5, 1.2, 3.98N, 0.09, 126.96E, 0.09, h4km, 7km, mb4.3/16, Error ellipse: s-maj=13.4km s-min=11.4km az=45.0

ISC 28 05:15:58.7, 0.7, 3.95N, 0.08, 127.0E, 0.1, h10km, n25, 0.0782/25, mb4.2/11, Talaud Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like DAV Davao City (W), TOLI Tolitoli, MTN Mantion Dam, etc.

1896

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SNKL comp=Z,280nm,0.4s, PRYS Parys, PRYS Parys, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Torodi Ar. Bea, Mina Array Bea, NVAR Mina Array Bea.

CATAC 28 05:35:53.6:0.8, 13.70N:91.24W, h6km, 5km, ML3.4

SNET 28 05:35:55.5:1.1, 13.76N:91.17W, h18km, 15km, ML3.4
GCG 28 05:35:58.2:0.6, 13.99N:91.29W, h50km, 10km, MD2.8

ISC 28 05:35:53.9:2.3, 13.7N:01.9132W:0.08, h24km, 18km, n16, c059/27, Near coast of Guatemala

Main table for 1897 with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Suchitepequez, Sabana Grande, Fuego 3, Santa Cruz, etc.

IDC 28 05:40:24.8:6.6, 17.48S:178.82W, h554km, 101km, mb3.9, mbtmp4.2/9, Error ellipse: s-maj=33.1km

ISC 28 05:40:38.9:0.9, 17.55:02:178.8W:0.2, h539km, n10, c079/9, mb3.6/9, Fiji Islands region

Table for 1897 with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

NEIC 28 05:43:55.5:0.7, 36.13N:01.9190W:0.03, h6km, 7km, Error ellipse: s-maj=3.0km s-min=1.8km az=96.0

TUL 28 05:43:55.1:0.5, 36.12N:01.9298W:0.03, h3km, 5km, ML2.5, mb_Lq2.5/17(NEIC), ML2.6/16(NEIC), Error ellipse: s-maj=3.5km s-min=2.7km az=152.0, Oklahoma

Table for 1897 with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZAAO Zalesovo Array.

Main table for 2017 NOV with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Winter Ranch, ELIS Ellis County, U32A U32A, etc.

NEIC 28 05:45:40.5:2.0, 13.5N:01.1559E:0.2, h10km, 2km, mb4.1/21, Error ellipse: s-maj=29.0km s-min=20.4km az=110.0

IDC 28 05:45:43.5:1.2, 14.25N:56.12E, h0km, mb3.9/14, mbtmp3.9/14, MS3.5/24, Error ellipse: s-maj=30.1km s-min=21.5km az=41.0

ISC 28 05:45:42.4:0.9, 13.8N:01.1559E:0.1, h10km, n61, c082/14, mb4.2/23, MS3.5/23, Socotra region

Main table for 2017 NOV with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WSAR Wadi Sarin, UOSS Umm al-Sayid, ATD Arta Tunnel, etc.

AAK Ala-Archa 32.91 26 P Iamb Iamb 05 52 07.1 +0.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

AAK Ala-Archa 32.91 26 LR LR 06 07 09.1

Main table for 28d 6h with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

TEH 28 05:48:59.8, 34.54N:45.77E, h9km, ML2.6

ISC 28 05:48:59.0:0.7, 34.55N:45.74E, h7km, 6km, ML2.6

ISC 28 05:48:01.0:1.1, 34.56N:0.05:45.78E:0.05, h10km, n10, c082/14, Iran-Iraq border region

Table for 28d 6h with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDHR Dehrash, IGHG Ghaleghazi, ILBA Banvazeh, etc.

TAP 28 06:02:49.4, 21.15N:122.16E, h165km, 1km, ML4.0, D, Taiwan region

Main table for 28d 6h with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LYUB Lan-yu, LYUB Lan-yu, LYUB Lan-yu, etc.

1899

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

IDC 28 07:16:52.2±1.4, 49.71N-81.60E, h0km, mbtmp2.4/2, ML1.7/2, Error ellipse: s-maj=18.5km s-min=9.5km az=54.0

NNC 28 07:16:53.0±0.5, 49.94N-81.91E, h0km, mb3.4, mpv2.9, Error ellipse: s-maj=6.4km s-min=1.3km az=50.0, Suspected Mining explosion.

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

2017 NOV

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

IDC 28 07:17:43.8±1.0, 11.28N-140.11E, h0km, mb3.8/10, mbmp3.8/10, Error ellipse: s-maj=34.1km s-min=20.6km az=91.0

ISC 28 07:17:49.1±1.0, 11.33N:01:140:01E:02, h35km, n10, r150/10, mb3.9/10, Western Caroline Islands

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

IDC 28 07:18:04.1±3.7, 20.78S-170.95W, h0km, mb4.0/3, mbtmp3.9/3, Error ellipse: s-maj=307.5km s-min=37.9km az=0.0, Tonga Islands region

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

LVSN 28 07:21:30.2±1.7, 59.62N-22.35E, h0km, 3km, ML2.6, IDC 28 07:21:31.6±2.0, 59.72N-22.47E, h0km, mbmp3.0/4, ML2.2/4, Error ellipse: s-maj=27.6km s-min=7.3km az=162.0

HEL 28 07:21:50.7±0.3, 60.25N-24.32E, h0km, ML1.5, Suspected explosion

ISC 28 07:21:31.5±0.8, 59.68N:02.23:42E:03, h0km, n28, r1566/39, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MEF, MTSE, AAL, HELI, IAF, etc.

SVF comp=2.3, 1nm, 0.2s Pn 07 22 06.7 -0.5

SLIT SLIT SLIT comp=2.105nm, 0.3s eS Sg 07 22 34.5 -1.1

SLIT SLIT SLIT comp=E, 45nm, 0.1s AML AML 07 22 39.9

SLIT SLIT SLIT comp=N, 198nm, 0.3s Sg Sg 07 22 07.9 +0.7

SLIT SLIT SLIT comp=2.2, 6nm, 0.2s MSG MSG 07 22 35.0

FINES FINES FINES comp=2.0, 8nm, 0.3s, baz=227, slow=24, SNR=20 Lg Pn 07 22 14.1 +0.4

FINES FINES FINES comp=2.1, 8nm, 0.3s, baz=230, slow=22, SNR=5.4 Lg Sg 07 22 49.7

KAF KAF KAF comp=2.3, 7nm, 0.2s Sg Sg 07 22 25.0 +0.6

VIKU VIKU VIKU comp=2.2, 9nm, 0.2s Sg Sg 07 22 25.0 +0.4

VAF VAF VAF comp=2.2, 9nm, 0.2s Sg Sg 07 23 19.8 -0.2

28d 7h

IDC 28 07:34:03.8±2.8, 53.93N-86.55E, h0km, mbmp2.5/2, ML2.3/2, Error ellipse: s-maj=23.9km s-min=14.1km az=57.0, Southeastern Siberia

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

TIR 28 07:36:10.9, 41.08N:20.24E, h6km, 1km, Md2.9, ML2.6, BEO 28 07:36:11.9, 40.5, 40.97N:20.17E, h5km, 2km, ML2.5/10, PDG 28 07:36:11.9, 1.1, 41.02N:20.12E, h4km, 3km, ML2.7/10, Error ellipse: s-maj=2.1km s-min=3.7km az=0.0

SKO 28 07:36:11.5, 40.94N:20.08E, h0km, ATH 28 07:36:12.0, 41.18N:20.30E, h9km, 2km, ML2.4/4, Error ellipse: s-maj=3.9km s-min=1.5km az=35.0

THE 28 07:36:12.1, 41.12N:20.29E, h16km, 3km, ML2.4/5, Error ellipse: s-maj=4.0km s-min=1.3km az=265.0

ISC 28 07:36:12.3±1.1, 41.07N:02.20:24E:03, h2km, 10km, n56, r94/96, 6C-4D, Albania

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

NEST Nestorio 0.90 137 P S Pg 07 26 29.1 -0.5

NEST Nestorio 0.90 137 P S Pg 07 26 29.0 0.0

FNA Florina 0.91 108 P S Pg 07 26 29.3 -0.4

FNA Florina 0.91 108 P S Pg 07 26 29.6 -0.1

FNA Florina 0.91 108 P S Pg 07 26 29.6 -0.1

LSK Leskovik 0.96 163 P S Pg 07 26 29.0 -1.7

LSK Leskovik 0.96 163 P S Pg 07 26 29.0 -1.7

PENT Pentafellos 1.11 142 P S Pg 07 26 33.0 -0.7

ULC Ulcinj 1.16 320 P S Pg 07 26 32.9 -1.7

ULC Ulcinj 1.16 320 P S Pg 07 26 33.2 -1.4

SRN Sarande 1.21 189 P S Pn 07 26 36.1 0.0

SKO Skopje 1.27 45 P S Pn 07 26 36.8 -0.2

SKO Skopje 1.27 45 P S Pn 07 26 37.7 +0.6

BCI Bajram Curri 1.30 354 P S Pg 07 26 36.6 -0.6

KASA Kasiopi 1.35 190 P Pn 07 26 37.6 -0.5

DRME Dracevica, Mon 1.36 325 P Pn 07 26 36.8 -1.6

KEK Kerkira 1.40 194 P S Sg 07 26 38.7 -0.1

JAN Janina 1.49 162 P Pn 07 26 39.8 -0.3

PVY Plav 1.53 352 P Pn 07 26 39.9 -0.9

IGT Igoumenitsa 1.54 177 P S Pg 07 26 41.5 -0.1

IGT Igoumenitsa 1.54 177 P S Pn 07 26 40.5 -0.3

Podgorica 1.54 332 P S Pg 07 26 41.1 +0.3

2017 NOV 28d 9h

Table with columns: DZM, Mont Dzumac, 2.13 248 Pn, 08 48 46.6 -1.1, etc.

Table with columns: PKE, Pukeiti, 19.66 202 P, 09 01 28.9 +0.3, etc.

Table with columns: N15K, Kwethluk River, 82.23 8 P, 09 09 07.9 -1.5, etc.

NEIC 28 08:54:10.3±1.0, 19:8N,0°1'±68:29W±0:03, h1(0km,2km), ML2.6/10, MD3.3(RSPR), Error ellipse: s-maj=23.0km, s-min=3.0km, az=9.0

RSPR 28 08:54:12.9, 19:83N,68:34W, h17km,16km, MD3.3/3, ISC 28 08:54:07.2±2.6, 19:4N,0°3'±68:59W±0:10, h10km, m13, ±0.60/14, 3C, North Atlantic Ocean

IL31, IL31, 88.74 12 P, 09 09 40.9 -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.

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

NEIC 28 08:57:11.4±1.8, 20:9S,0°1'±176:5W±0°1', h208km,8km, mb4.7/37, Error ellipse: s-maj=18.3km s-min=17.9km, az=178.0

CMSA Cobar Meteorol, 35.23 245 P, 09 03 47.7 +1.1, etc.

Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

NOU 28 08:57:12.1, 21:01S, 175:95W, h251km, mb4.7/31, Tonga Islands

CTA Charters Tower, 34.82 265 P, 09 03 42.9 -0.3, etc.

Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

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

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

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

NEIC 28 09:19:52.2±1.3, 51:79N,75:49E, h0km, mbmp2.6/3, ML1.9/3, Error ellipse: s-maj=27.7km s-min=9.7km, az=30.0, Eastern Kazakhstan

Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

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

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

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

UCR 28 09:20:22.9±1.1, 8:84N,84:14W, h5km, MW3.8, CATAc 28 09:20:24.7±0.4, 8:94N,84:06W, h1km, ML3.6, Hypocentre not reviewed by the ISC, UPA 28 09:20:24.0±0.6, 8:94N,84:02W, h5km, 5km, MD4.0, ISC 28 09:20:23.1±1.3, 8:83N,0:04,84:09W,0:04, h9km, m10km, n91, ±1.03/122, 17C-2ZD, Off coast of Costa Rica

28th 9h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like JIME, RAZU, ABEZ, etc.

2017 NOV

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like VERA, VMAR, VMAR, etc.

1902

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like ASAR, ASAR, AS01, etc.

28d 11h

Table with columns: Station Name, Time, Az, El, Pn, Pn, Az, El, Pn, Pn, Az, El, Pn, Pn. Includes stations like M19K Big River Lodg, L19K White Mountain, BRLK Bradley Lake, etc.

2017 NOV

Table with columns: Station Name, Time, Az, El, Pn, Pn, Az, El, Pn, Pn, Az, El, Pn, Pn. Includes stations like H11S3 WAKE ISLAND HY 38.60 218, USRK USSuriyark Ar, PDAR Pinedale Array, etc.

1904

Table with columns: Station Name, Time, Az, El, Pn, Pn, Az, El, Pn, Pn, Az, El, Pn, Pn. Includes stations like MT03 comp=Z,575nm,0.1s, MT03 Universidad Ad, Las Vizcachas, etc.

1905

Table with columns: KBN, S, Sg, 11 04 36.0 +0.8, 0.05 146 P Pg, 11 04 33.9 -0.1, 11 04 35.4 +0.2, AMP, 0.33 138 P S, 11 04 39.0 +0.2, 11 04 44.9 -1.1, 0.33 138 P S, 11 04 38.9 +0.2, 11 04 43.8 +0.6, 11 04 45.5, 11 04 45.5, 0.45 4 P Pg, 11 04 41.3 -1.1, 11 04 48.1 -1.2, 11 04 48.5, 11 04 48.9, 0.49 75 P Pg, 11 04 41.8 +0.1, 11 04 49.7 -0.7, 0.49 75 P Pg, 11 04 41.7 +0.1, 11 04 49.8 -0.7, 0.49 75 P Pg, 11 04 41.7 +0.1, 11 04 50.1 -0.3, 11 04 51.1, 0.49 75 P Pg, 11 04 41.8 +0.1, 11 04 48.4 +0.3, 11 04 51.1, 0.52 193 P Pg, 11 04 42.3 0.0, 11 04 50.3 +1.1, 0.52 193 P Pg, 11 04 41.9 -0.5, 11 04 49.7 +0.5, 0.55 148 P Pg, 11 04 43.0 +0.1, 11 04 54.6 -0.2, 11 05 05.5 -0.6, 1.01 176 P Pn, 11 04 51.8 -0.1, 1.17 196 P Pn, 11 04 54.6 -0.3, 11 05 11.4 +0.3, 1.17 196 P Pn, 11 04 55.1 +0.2, 11 05 11.4 +0.3, 11 05 11.4 +0.3, 11 05 11.4 +0.3, 1.20 718 P Pg, 11 04 56.2 -0.4, 11 05 16.4 +2.5, 1.28 76 P Pg, 11 05 13.2 -0.3, 11 05 21.9, 11 05 23.9, 1.46 138 P Pn, 11 04 58.5 -0.3, 11 05 18.3 0.0, 11 05 26.2, 1.70 72 P Pn, 11 05 01.8 -0.3, 1.78 343 P Pn, 11 05 06.7 +0.4, 11 05 31.2 +1.8, 1.79 91 P Pn, 11 05 03.3 -0.1

TIR 28 11:05:03.2, 40'69N, 20'69E, h6km, Md2.4, ML2.8, ATH 28 11:05:03.8, 40'60N, 20'74E, h30km, 1km, ML2.6/2, Error ellipse: s-maj=6.1km s-min=1.9km az=279.0, THE 28 11:05:04.3, 40'69N, 20'71E, h10km, 16km, ML2.4/3, Error ellipse: s-maj=17.2km s-min=0.6km az=132.0, ISC 28 11:05:04.2, 1.2, 40'66N, 0'04, 20'74E, 0.05, h9km, 7km, n11, c0570/22, Greece-Albania border region, Code Station Name Az Phase ID Time Res, KBN Korca 0.05 136 P Sg 11 05 06.2 -0.1, KBN baz=129 S Sg 11 05 07.4 -0.4, KBN baz=129 AMP, NEST Nestorio 0.34 136 P Pg 11 05 11.3 +0.3, NEST baz=129 S Sg 11 05 17.3 +1.7, NEST comp=E, 740nm, 0.1s Nestorio 0.34 136 P Pg 11 05 11.4 +0.3, NEST S Sg 11 05 16.4 +0.5, NEST AML 11 05 17.7, NEST comp=N, 2129um, 0.2s AML 11 05 18.0, OHR Ohrid 0.45 6 P Pg, 11 05 14.5 +0.1, OHR Sg, 11 05 20.6 -0.7, FNA Florina 0.50 76 P Pg, 11 05 14.2 +0.3, FNA S Sg, 11 05 22.1 -0.5, FNA comp=E, 680nm, 0.2s Florina 0.50 76 P Pg, 11 05 14.3 +0.3, FNA baz=79 S Sg, 11 05 22.1 -0.5, FNA Florina 0.50 76 P Pg, 11 05 14.1 +0.1, FNA Sg, 11 05 22.2 -0.5, FNA Florina 0.50 76 P Pg, 11 05 14.3 +0.3, FNA S Sg, 11 05 22.0 -0.5, FNA comp=N, 1693um, 0.2s AML 11 05 25.5, FNA comp=E, 1055um, 0.3s Leskovik 0.52 192 P Sg, 11 05 14.4 +0.2, LSK P Sg, 11 05 23.1 -0.1, LSK Leskovik 0.52 192 P Pg, 11 05 14.4 0.0, LSK baz=188 S Sg, 11 05 22.2 +0.9, LSK AMP, PENT Pentalofo 0.56 147 P Pg, 11 05 13.6 -1.4, PENT S Sg, 11 05 21.7 -0.7

ISC 28 11:09:42.3, 3'58N, 125'52E, h0km, mb3.2/3, mbtmp3.2/3, Error ellipse: s-maj=198.9km s-min=29.8km az=65.0, Talaud Islands

Code Station Name Az Phase ID Time Res, WRA Warramunga Arr 24.93 160 P Sg, 11 16 32.8 -1.7, ASAR Alice Springs 28.29 164 P P, 11 17 06.8 +2.0, MKAR Makanchi Arr 56.99 326 P P, 11 20 57.0 0.0

AZER 28 11:27:46.1, 5.6, 37'04N, 42'18E, h5km, Error ellipse: s-maj=14.9km s-min=8.5km az=302.0, TEH 28 11:27:49.8, 37'54N, 42'34E, h7km, 99km, ML3.8, AFAD 28 11:27:50.4, 0.0, 37'48N, 42'36E, h12km, 1km, MW3.7, ISN 28 11:28:57.5, 1.1, 37'48N, 43'15E, h12km, 99km, ML3.4, GIL 28 11:28:57.3, 0.0, 34'22N, 38'05E, h1km, ISC 28 11:27:51.1, 1.1, 37'54N, 0'02, 42'31E, h1km, 10km, n57, c200/89, Turkey

Code Station Name Az Phase ID Time Res, WRA Warramunga Arr 24.93 160 P Sg, 11 16 32.8 -1.7, ASAR Alice Springs 28.29 164 P P, 11 17 06.8 +2.0, MKAR Makanchi Arr 56.99 326 P P, 11 20 57.0 0.0

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SIRN Sirnak 0.09 115 P Sg, 11 27 52.9 0.0, SIRN Sg, 11 27 54.6 +0.5, SIRN PERV Siirt/Pervari- 0.45 24 P Sg, 11 27 59.5 -0.2, SIRN PERV Sg, 11 28 07.7 -1.5, SIRN PERV AML, 11 28 09.0, PERV comp=N, 2um, 0.4s i AML, 11 28 11.0, MIDY comp=E, 2um, 0.5s Mardin/Midyat- 0.73 260 P S, 11 28 06.0 -0.7, MIDY Sg, 11 28 16.9 -0.4, MIDY i AML, 11 28 20.0, MIDY comp=E, 2um, 0.7s i AML, 11 28 28.0, BLIS Bitlis-Merkez 0.89 350 P Sg, 11 28 08.0 -0.2, BLIS Sg, 11 28 21.7 -0.3, BLIS i AML, 11 28 35.0, BLIS comp=E, 844nm, 0.6s Bitlis-Merkez 0.89 350 P Pg, 11 28 07.9 -0.2, BTM Batman 0.90 294 P Pg, 11 28 23.3 -1.3, BTM i AML, 11 28 29.0, BTM comp=N, 1um, 0.8s i AML, 11 28 34.0, BTM comp=E, 2um, 0.8s Batman 0.90 294 P Pg, 11 28 08.4 +0.2, BTM Sg, 11 28 09.4 -0.5, BTM Sg, 11 28 24.9 -1.9, BTM Sg, 11 28 12.1 -0.4, BTM Sg, 11 28 28.1 -0.8, BTM Sg, 11 28 30.0, SVAN comp=N, 721nm, 0.3s i AML, 11 28 30.0, SVAN comp=E, 591nm, 0.5s SVAN 1.07 305 P Pg, 11 28 12.0 -0.4, SVAN P Pg, 11 28 11.0 -1.4, SVAN Sg, 11 28 29.0 -1.2, SVAN Sg, 11 28 15.3 +0.6, SVAN Sg, 11 28 32.5 -0.6, SVAN i AML, 11 28 35.0, MARD comp=E, 7um, 0.5s MARD i AML, 11 28 37.0, MARD comp=N, 9um, 0.6s MARD 1.23 260 P Pg, 11 28 15.3 +0.6, TVAN 1.32 41 P Sg, 11 27 54.7 +1.2, TVAN Sg, 11 28 37.2 +3.8, MUMS Mu-Merkez 1.34 332 P Sg, 11 28 15.9 -1.2, MUMS Sg, 11 28 35.0 +0.8, MUMS i AML, 11 28 37.0, MUMS comp=E, 358nm, 0.5s MUMS i AML, 11 28 40.0, MUMS comp=N, 602nm, 0.7s MUMS Mu-Merkez 1.34 332 P Pn, 11 28 15.9 -1.2, SLHN 1.74 325 P Pg, 11 28 23.3 -0.7, SLHN Sg, 11 28 27.8 +0.8, PHAN Diyarbakir_Han 1.74 301 P Sg, 11 28 27.1 +1.2, PHAN Sg, 11 28 46.3 -0.8, PHAN i AML, 11 28 54.0, HANI comp=N, 493nm, 0.8s HANI i AML, 11 29 00.0, VRTB Varto-Mus 1.75 338 P Pn, 11 28 22.5 -0.4, VRTB Sg, 11 28 51.1 +3.7, DIYA Diyarbakir 1.77 283 P Sg, 11 28 23.9 -0.6, DIYA Sg, 11 28 47.5 -0.6, DIYA i AML, 11 28 50.0, DIYA comp=E, 1um, 0.3s i AML, 11 29 09.0, KOVA comp=N, 891nm, 1.0s Elazig, Kovanc 2.29 301 P Pn, 11 28 29.0 -1.1, MAKU 2.60 45 Pn, 11 28 59.9 +1.4, SANL SANLIURFA_Merk 2.67 263 P S, 11 28 33.9 -1.3, SANL Sg, 11 29 12.4 -0.5, IKRK Kirkuk 2.69 142 ePn, 11 28 38.0 -2.0, IKRK eSn, 11 29 08.0 -0.8, IKRK AML, 11 29 25.9, IKRK comp=E, 485nm, 0.4s i AML, 11 29 31.0, HANN comp=N, 514nm, 0.7s anuriya/HI 2.72 272 P S, 11 28 35.7 -0.3, HANN Sg, 11 29 16.2 -2.4, ISHB Shebaster 2.72 73 Pn, 11 28 36.4 +0.2, MAHB Mahabad 2.82 105 Pn, 11 28 37.4 -0.1, NARI Adyanam-Kaht 2.83 278 P Sg, 11 28 44.5 -0.8, NARI Sg, 11 29 23.6 +1.6, NARI Sg, 11 28 39.8 +0.8, IAZR Marand 2.93 65 Pn, 11 29 05.9 +0.6, NAXR Nakhchivan 2.99 56 P Pg, 11 28 42.7 -2.6, NAXR Sg, 11 29 30.1 +2.9, SURC SANLIURFA_SURC 3.02 259 P Sg, 11 28 39.7 -0.5, SURC Sg, 11 29 24.7 +1.6, SHABZ Shahbuz 3.15 53 P S, 11 28 35.0 +3.0, SHABZ Sg, 11 29 36.5 +4.0, ATAB Bozova 3.19 270 P Pn, 11 28 40.5 -2.0, ATAB Sg, 11 29 32.1 -1.5, ORD Ordubad 3.22 63 P Sg, 11 28 45.4 +2.5, ORD Sg, 11 29 35.5 +0.9, AZEY Adyanam-Merk 3.23 276 P Sg, 11 28 42.7 -0.9, AZEY Sg, 11 29 35.3 +0.5, IHRS Heris 3.83 77 Pn, 11 28 52.1 +0.7, GDB GEDABAY 4.16 39 P Pg, 11 29 01.5 -3.7, GDB Sg, 11 30 05.8 +1.1, OZX Qazax, Azerbai 4.25 33 P Pg, 11 29 02.4 -4.2, OZX Sg, 11 30 06.4 -1.1, IDHR Dehrash 4.35 129 Pn, 11 28 59.1 +0.6, GANJ Ganja 4.41 44 P Sg, 11 29 07.7 -4.6, GANJ Sg, 11 30 12.0 -0.5, AGDM Agdam 4.55 54 P Sg, 11 29 04.8 +3.8, AGDM Sg, 11 30 12.1 -0.5, BHD Bghadad 4.58 158 ePn, 11 29 06.0 +0.6, BHD eSn, 11 29 57.0 +1.6, IGHG Ghaleghazi 4.71 131 Pn, 11 29 04.2 +0.7, YRD Yardiimil 4.87 72 P Sg, 11 29 08.0 +2.3, LRK Lerik 4.89 75 P S, 11 30 20.0 +3.4, LRK Sg, 11 30 45.0 +2.1, LRK Sg, 11 30 19.6 +2.6, IBDR Badra 5.32 145 ePn, 11 29 15.5 +3.9, IBDR eSn, 11 30 11.0 -2.6, IBDR AML, 11 30 19.5, IBDR comp=N, 37nm, 0.5s i AML, 11 30 28.2, IBDR comp=E, 29nm, 0.7s IKOM Komasi 5.39 127 Pn, 11 29 13.0 +0.1, PQL Pirkuli 5.87 54 P S, 11 29 24.2 +4.8, SIZA Siyzn 6.22 53 P S, 11 29 29.1 +5.0, SIZA Sg, 11 30 58.4 +3.3, NATI Neve Ativ 6.85 233 Pn, 11 29 34.4 +1.7, GEM Giv'at Ha'Em 6.93 233 Pn, 11 29 35.6 +1.8, MW08 Mount Meron ar 7.22 233 Pn, 11 29 40.2 +2.3, MW07 Mount Meron ar 7.23 234 Pn, 11 29 40.5 +2.6, OFRI 'Ofar 7.75 233 Pn, 11 29 46.9 +1.8, KRMI Paran Flat 9.72 223 Pn, 11 30 12.8 +0.7, MBRI Mt Berech 9.87 221 Pn, 11 30 17.7 +3.4

ISC 28 12:27:04.1, 1.6, 43'85N, 138'19E, h260km, 19km, mb2.8/4, mbtmp3.4/7, Error ellipse: s-maj=30.0km s-min=21.0km az=63.0

JMA 28 12:27:04.8, 0.5, 44'N, 1'13'E, h272km, 3km, MV3.2/19, EASTERN SEA OF JAPAN

ISC 28 12:27:04.6, 0.9, 43'69N, 0'07, 138'44E, 0'07, h274km, n19, c153/27, mb3.1/4, Eastern Sea of Japan

Code Station Name Az Phase ID Time Res, JHR Hokuryu 2.38 88 eP, 11 27 53.3 +0.8, JWK Keiuku 2.96 56 Pn, 11 27 59.9 +1.0, ASAJ Asahikawa 3.04 81 Pn, 11 27 59.4 +0.5, KKK2 Kamakawa 2.31 85 eP, 11 28 00.8 +0.9, JKK2 eS, 11 28 45.7 +1.8, JNBK Urakawa-nobuka 4.71 113 eP, 11 28 04.2 +0.7, JNBK eS, 11 28 05.6 +1.2, JCH Churui 3.76 105 eP, 11 28 06.5 -0.2, JCH eS, 11 28 54.1 -2.3, JAR Ashorobuto 3.90 94 eP, 11 28 09.2 +0.9, JAR eS, 11 28 59.6 +0.5, JTKR Abashiri-Toko 3.97 84 eP, 11 28 09.9 +0.8, JANG Nango 4.03 144 eP, 11 28 10.0 +0.2, JANG eS, 11 29 00.7 -1.3

Code Station Name Az Phase ID Time Res, JHR Hokuryu 2.38 88 eP, 11 27 53.3 +0.8, JWK Keiuku 2.96 56 Pn, 11 27 59.9 +1.0, ASAJ Asahikawa 3.04 81 Pn, 11 27 59.4 +0.5, KKK2 Kamakawa 2.31 85 eP, 11 28 00.8 +0.9, JKK2 eS, 11 28 45.7 +1.8, JNBK Urakawa-nobuka 4.71 113 eP, 11 28 04.2 +0.7, JNBK eS, 11 28 05.6 +1.2, JCH Churui 3.76 105 eP, 11 28 06.5 -0.2, JCH eS, 11 28 54.1 -2.3, JAR Ashorobuto 3.90 94 eP, 11 28 09.2 +0.9, JAR eS, 11 28 59.6 +0.5, JTKR Abashiri-Toko 3.97 84 eP, 11 28 09.9 +0.8, JANG Nango 4.03 144 eP, 11 28 10.0 +0.2, JANG eS, 11 29 00.7 -1.3

JOM Ohasama 4.73 152 eP, 12 28 18.4 +0.4, JOM eS, 12 29 15.5 -1.2, JMK Ichinoseki 5.18 155 eP, 12 28 23.3 +0.3, JMK S, 12 29 24.8 -1.5, NEM2 Nemuro 2 5.32 91 eP, 12 29 24.4 -0.6, NEM2 eS, 12 29 25.1 -4.3, MJAR Matushiro Arr 7.14 181 Pn, 12 28 48.6 +1.2, 1.4nm, 0.4s, baz=5.9, slow=13, SNR=9.1, KSRS Korea Array 10.13 236 Pn, 12 29 24.5 0.0, 1.3nm, 0.9s, baz=45, slow=14, SNR=2.4, MKAR Makanchi Array 38.94 295 P, 12 34 02.4 -1.8, 0.2nm, 0.4s, baz=85, slow=10, SNR=2.2, BVAR Borovoye Array 44.57 307 P, 12 34 48.5 -0.9, 0.5nm, 0.4s, baz=74, slow=10.0, SNR=3.0, WRA Warramunga Arr 63.43 184 P, 12 37 06.8 +1.4, 0.2nm, 0.6s, baz=2.7, slow=6.9, SNR=9.4, ASAR Alice Springs 67.15 185 P, 12 37 32.0 +2.9, 0.4nm, 0.9s, baz=0.8, slow=6.7, SNR=3.2

NEIC 28 12:37:04.3, 0.6, 36'285N, 0'008, 97'515W, 0'009, h7km, 2km, Error ellipse: s-maj=1.5km s-min=0.6km az=140.0, TUL 28 12:37:04.3, 0.5, 36'29N, 0'01, 97'51W, 0'01, h6km, 2km, ML2.7, mb_Lg2.7/15(NEIC), ML2.7/64(NEIC), Error ellipse: s-maj=1.5km s-min=1.2km az=188.0, Oklahoma

Code Station Name Az Phase ID Time Res, CROK Carrier 0.44 299 Op P, 12 37 18.2 +0.5, CROK Sg, 12 37 18.9 +0.4, OK048 Pawnee Station 0.47 75 P Pg, 12 37 13.8 +0.3, OK029 Liberty Lake 0.50 175 P Pg, 12 37 14.0 +0.2, BLOK Blackwell 0.53 27 P Pg, 12 37 14.8 +0.4, OK033 Mehan 0.53 118 P Pg, 12 37 14.8 +0.2, OK033 i AML, 12 37 22.2, OK051 E030S and S346 0.58 68 P Pg, 12 37 15.8 +0.3, GC02 Grant County # 0.63 33 P Pg, 12 37 16.3 0.0, OK052 Battle Ridge R 0.65 117 P Pg, 12 37 19.9 +0.2, OK052 i AML, 12 37 25.9, ADOK Arcadia Dam 0.65 170 P Pg, 12 37 15.7 -1.1, QUOK Quacy 0.66 100 P Pg, 12 37 17.2 +0.2, QUOK i AML, 12 37 26.4, OK030 Cody Creek RV 0.69 121 P Pg, 12 37 16.7 -0.9, OK030 i AML, 12 37 27.8, KAN13 South Haven SW 0.72 2 P Pg, 12 37 17.8 -0.3, KAN13 i AML, 12 37 31.5, KAN14 Manchester OK 0.76 331 P Pg, 12 37 18.9 +0.1, KAN14 i AML, 12 37 35.8, KAN14 comp=E, 333nm, 0.1s i AML, 12 37 37.4, KAN14 comp=N, 363nm, 0.2s i AML, 12 37 37.4, OK032 Salt Plains WL 0.76 312 P Pg, 12 37 18.3 -0.7, KAN17 Caldwell West 0.78 345 P Pg, 12 37 19.3 +0.2, KAN17 i AML, 12 37 34.2, KAN17 comp=E, 347nm, 0.3s i AML, 12 37 39.5, KAN17 comp=N, 313nm, 0.3s i AML, 12 37 39.5, KAN08 Caldwell North 0.85 354 P Pg, 12 37 20.7 +0.1, KAN05 Bluff City Nor 0.87 340 P Pg, 12 37 20.4 -0.6, KAN05 i AML, 12 37 41.7, KAN05 comp=E, 281nm, 0.2s i AML, 12 37 41.8, KAN05 comp=N, 376nm, 0.2s i AML, 12 37 41.8, KAN01 Argonia South 0.88 347 P Pg, 12 37 21.1 -0.1, KAN01 i AML, 12 37 33.4, KAN01 comp=N, 204nm, 0.3s i AML, 12 37 39.5, KAN01 comp=E, 206nm, 0.3s i AML, 12 37 39.5, OKCSW OKLAHOMA CITY 0.89 176 P Pg, 12 37 21.3 0.0, OKCSW i AML, 12 37 37.7, OKCSW comp=E, 254nm, 0.5s i AML, 12 37 40.7, DEOK Depew 0.93 118 P Pg, 12 37 21.8 -0.5, DEOK i AML, 12 37 34.9, DEOK comp=N, 251nm, 0.5s i AML, 12 37 37.0, KAN10 Anthony SW Sta 0.95 331 P Pg, 12 37 21.8 -0.8, KAN10 i AML, 12 37 36.1, KAN10 comp=E, 182nm, 0.2s i AML, 12 37 36.6, KAN10 comp=N, 200nm, 0.8s i AML, 12 37 36.6, KAN06 Argonia West S 0.99 344 P Pg, 12 37 23.3 -0.1, KAN06 i AML, 12 37 37.2, KAN06 comp=N, 216nm, 0.2s i AML, 12 37 37.3, KAN06 comp=E, 171nm, 0.2s i AML, 12 37 37.3, KS21 Milan North E 1.00 353 IAML, 12 37 37.5, KS21 comp=E, 218nm, 0.3s i AML, 12 37 38.9, KS21 i AML, 12 37 38.9, KS21 Milan North St 1.00 353 P Pg, 12 37 23.2 -0.3, KAN08 Anthony NE Sta 1.00 339 P Pg, 12 37 23.4 -0.2, KAN08 i AML, 12 37 42.4, KAN08 comp=N, 160nm, 0.1s i AML, 12 37 23.2 -0.5, OK03H West end E0370 1.01 281 P Pg, 12 37 23.2 -0.5, T35A Sooner Circle 1.02 52 P Pg, 12 37 23.4 -0.4, T35A i AML, 12 37 37.9, T35A comp=E, 162nm, 0.6s i AML, 12 37 38.2, FNO Franklin 1.04 175 P Pg, 12 37 23.3 -0.5, FNO i AML, 12 37 43.7, FNO comp=N, 154nm, 0.6s i AML, 12 37 47.9, FNO comp=E, 148nm, 0.5s i AML, 12 37 47.9, KAN12 Harper NE Stat 1.08 339 P Pg, 12 37 24.7 -0.3, CSTR Hydro, Custer 1.15 236 P Pg, 12 37 25.9 -0.5, NOKA Waynoka 1.20 287 P Pg, 12 37 26.3 -1.0, US2A Winter Ranch, 1.21 275 P Pg, 12 37 26.2 -1.2, US2A i AML, 12 37 43.6, US2A comp=E, 160nm, 0.6s i AML, 12 37 50.8, TUL3 comp=N, 190nm, 0.4s i AML, 12 37 30.6 -0.3, ELIS Ellis County 1.46 105 Pn, 12 37 30.3 +0.4, WMOK Wichita Mounta 1.86 214 Pn, 12 37 37.1 +0.3, RLO Rose Lookout 2.02 93 Pn, 12 37 39.6 +0.8, RLO i AML, 12 38 07.0, RLO comp=N, 12nm, 0.7s i AML, 12 38 23.3, SMTF Samnorwood 2.52 243 IAMB_Lg, 12 38 32.8, WFTS Wichita Falls 2.64 198 IAMB_Lg, 12 38 32.8, WFTS comp=N, 12nm, 0.9s i AML, 12 38 35.2, HHAR Hobbs 2.88 89 IAMB_Lg, 12 38 35.2, MIAR Mount Ida 3.66 117 IAMB_Lg, 12 39 07.1, MIAR comp=N, 20nm, 0.8s i AML, 12 39 22.3, ABTX Abilene, Hewitt 4.06 206 IAMB_Lg, 12 39 22.3, X40A Basin Creek 4.22 114 IAMB_Lg, 12 39 18.4, X40A comp=N, 21nm, 0.7s i AML, 12 39 18.4, P38A Dawn 4.58 42 IAMB_Lg, 12 39 36.2, P38A comp=N, 28nm, 1.1s i AML, 12 39 36.2, CCM Cathedral Cave 5.30 69 IAMB_Lg, 12 40 01.5, JCT Junction City 6.11 199 IAMB_Lg, 12 40 24.7, JCT comp=N, 14nm, 0.8s i AML, 12 40 24.7, MNHN Monahans 6.59 223 IAMB_Lg, 12 40 40.7, MNHN comp=N, 240nm, 0.7s i AML, 12 40 40.7

AFAD 28 12:41:42.6, 0.0, 38'08N, 44'01E, h61km, 4km, ML2.6, ISK 28 12:41:44.7, 38'29N, 44'38E, h5km, ML2.4/4, TEH 28 12:41:44.7, 38'29N, 44'38E, h6km, 138km, ML2.5, ISC 28 12:41:42.6, 1.1, 38'33N, 0'08, 44'50E, 0'03, h5km, 14km, n13, c0581/18, Turkey-Iran border region

Code Station Name Az Phase ID Time Res, OZAP Valon, Ozalper 5.85 305 Op P, 12 41 55.5 +0.1, OZAP S, 12 42 06.5 -1.3, OZAP i AML, 12 42 15.0

28d 12h

Table with columns: OZAP, comp, i AML, AML, Time, Res. Includes stations like ISHB Shabestar, IHB Marand, IHRD CLDR, etc.

ICD 28 12:44:44.3±0.5, 3.93N; 126.62E, h0km, mb4.5/23, mbtmp4.4/23, MS3.6, Error ellipse: s-maj=29.2km s-min=9.2km az=71.0

DJA 28 12:44:46.5±1.4, 4.1N; 10°12'7"E, h17km, mb4.6/14, mb4.6/9, mB5.2/3, MLV5.4/1, Mw(mB)4.6/3

NEIC 28 12:44:46.7±1.6, 3.99N; 0.07°126.67E±0.07, h10km±1km, mb4.7/38, Error ellipse: s-maj=16.9km s-min=5.4km bz=225.0

ISC 28 12:44:49.3±0.9, 3.99N; 0.04°126.72E±0.06, h30km±6km, n111, r129/118, mb4.6/49, MS3.6/3C, Talaud Islands

Main table for 28d 12h section, listing stations like SANGIHE, DAVAO CITY (W), TERNATE, etc., with their respective codes, station names, and data points.

2017 NOV

Main table for 2017 NOV section, listing stations like USRUK, XLT, ARMA Armidale, LSA Lhasa, etc., with their respective codes, station names, and data points.

1906

Main table for 1906 section, listing stations like NAO, DINK, BER, UPP, ISC, etc., with their respective codes, station names, and data points.

28d 13h

Table with columns for station name, frequency, power, and other technical details. Includes stations like LVZ Lovozero, LVZ Lovozero, LVZ Lovozero, etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like TULEG Thule, TULEG Thule, TULEG Thule, etc.

1908

Table with columns for station name, frequency, power, and other technical details. Includes stations like BRG Berggiesshubel, BRG Berggiesshubel, BRG Berggiesshubel, etc.

1909

GRFO	MLR	MLR			
GOPC	comp=Z,7um,21.0s				
GOPC	GO Pecny, Ondr	23.47 161	eP	P	13 20 54.7 0.0
GOPC			eS	S	13 20 09.3 +1.4
GOPC	comp=Z,10um,14.6s		MLR	MLR	
GOPC	GO Pecny, Ondr	23.47 161	eP	P	13 20 54.7 0.0
GOPC			eS	S	13 20 09.3 +1.4
GOPC			AMS	AMS	13 30 20.0
KRLC	comp=Z,10um,14.6s				
KRLC	Kralicky	23.53 157	eP	P	13 20 56.5 +1.3
KRLC			eS	S	13 20 09.2 +0.4
KRLC			MLR	MLR	
KRLC	comp=Z,9um,16.0s				
KRLC	Kralicky	23.53 157	eP	P	13 20 56.5 +1.3
KRLC			eS	S	13 20 09.2 +0.4
KRLC			AMS	AMS	13 30 00.0
RAC	comp=Z,9um,16.0s				
RAC	Raciborz	23.69 155	eP	P	13 20 56.6 -0.1
RAC			eS	S	13 20 09.9 -1.4
RAC			AMS	AMS	13 30 05.9
RAC	comp=Z,13nm,18.7s				
RAC	Raciborz	23.69 155	eP	P	13 20 56.6 -0.1
RAC			eS	S	13 20 09.9 -1.4
RAC			MLR	MLR	
OJC	comp=Z,13um,18.7s				
OJC	Ojcow	23.77 153	eP	P	13 20 57.2 -0.4
OJC			eS	S	13 25 12.8 +0.2
OJC			eL	L	13 30 05.8
OJC	comp=Z,12um,20.8s				
OJC	Ojcow	23.77 153	eP	P	13 20 55.5 -1.9
OJC			eS	S	13 20 55.6 -1.9
OJC			pmax	pmax	
ZVC	comp=Z,645nm,2.0s				
ZVC	Zvikov	23.89 162	eP	P	13 20 59.1 +0.4
ZVC			eS	S	13 25 14.9 +0.4
ZVC			AMS	AMS	13 30 40.0
MORC	comp=Z,8um,15.4s				
MORC	Moravsky Berou	23.91 156	eP	P	13 21 00.1 +1.1
MORC			eS	S	13 20 57.4 -1.5
MORC			IAMB	IAMB	13 31 15.5
MORC	comp=Z,122nm,1.4s				
MORC			IAMS_20	IAMS_20	13 30 14.9
MORC	comp=Z,6um,19.0s				
MORC	Moravsky Berou	23.91 156	eP	P	13 20 58.8 -0.1
MORC			eS	S	13 25 15.9 +1.0
MORC			pmax	pmax	13 20 57.4 -1.5
MORC	comp=Z,121nm,1.4s				
MORC			MLR	MLR	
OKC	comp=Z,6um,19.0s				
OKC	Ostrava-Krasne	23.93 155	eP	P	13 21 00.0 +1.0
OKC			eS	S	13 25 13.5 -1.5
OKC			MLR	MLR	
OKC	comp=Z,9um,16.1s				
OKC	Ostrava-Krasne	23.93 155	eP	P	13 21 00.0 +1.0
OKC			eS	S	13 25 13.5 -1.5
OKC			AMS	AMS	13 30 10.0
WET	comp=Z,9um,16.1s				
WET	Wetzell	24.07 164	eP	P	13 21 00.9 +0.5
FLN	comp=Z,166nm,1.7s				
KHC	La Foliniere	24.09 186	eP	P	13 20 59.1 -1.4
KHC	Kasperske Hory	24.14 163	eP	P	13 20 59.2 -1.9
KHC			IAMB	IAMB	13 21 09.9
KHC	comp=Z,166nm,1.7s				
KHC	Kasperske Hory	24.14 163	eP	P	13 21 01.2 +0.1
KHC			pmax	pmax	
KHC	comp=Z,445nm,2.5s				
KHC	Kasperske Hory	24.14 163	eP	P	13 21 01.6 +0.5
KHC			ex	ex	13 21 06.0 +0.1
KHC			ex	ex	13 21 28.5
KHC			eS	S	13 25 21.3 +2.8
KHC			AMS	AMS	13 31 00.0
TREC	comp=Z,7um,15.0s				
TREC	Trest	24.16 160	eS	S	13 25 22.6 +3.8
TREC			AMS	AMS	13 30 00.0
STU	comp=Z,11um,14.9s				
STU	Stuttgart	24.19 170	eP	P	13 20 59.9 -1.6
STU			IAMB	IAMB	13 21 13.3
STU	comp=Z,104nm,1.3s				
STU			IAMS_20	IAMS_20	13 30 52.3
STU	comp=Z,7um,19.0s				
STU	Stuttgart	24.19 170	eP	P	13 20 59.9 -1.6
STU			pmax	pmax	
STU	comp=Z,104nm,1.3s				
STU			MLR	MLR	
LDF	comp=Z,7um,19.0s				
VRAC	La Druitiere	24.25 185	eP	P	13 21 00.8 -1.2
VRAC	Vranov	24.26 158	eP	P	13 21 04.0 +1.8
VRAC			eS	S	13 21 02.7 +0.5
VRAC			eS	S	13 25 23.1 +2.6
VRAC			P	P	13 21 02.4 +0.2
VRAC	comp=Z,17nm,0.9s,baz=353,slow=11,SNR=29				
VRAC			LR	LR	13 30 44.0
MAUC	comp=Z,7um,19.0s				
MAUC	Maruska	24.35 156	eP	P	13 21 03.5 +0.5
MAUC			eS	S	13 25 24.4 +2.5
MAUC			AMS	AMS	13 30 30.0
GE2	comp=Z,12um,16.4s				
GE2	GERESS Array S	24.43 163	eP	P	13 21 02.4 -1.4
GE2			IAMB	IAMB	13 21 14.7
GE2	comp=Z,94nm,1.4s				
GE2	GERESS Array S	24.43 163	eP	P	13 21 04.0 +0.1
GERES	comp=Z,16nm,0.8s,baz=356,slow=10				
GERES	GERESS Array B	24.43 163	eP	P	13 21 02.8 -1.1
GERES			P	P	13 21 02.8 -1.1
GERES	GERESS Array B	24.43 163	eP	P	13 21 04.6 +0.8
GERES			P	P	13 21 04.6 +0.8
GERES	comp=Z,16nm,0.8s,baz=13,slow=3,SNR=4.4				
GERES			LR	LR	13 29 57.4
KRUC	comp=Z,3um,21.6s,baz=1.5,slow=35				
KRUC	Moravsky	24.48 158	eP	P	13 21 04.7 +0.5
KRUC			eS	S	13 25 25.8 +1.8
CKRC	comp=Z,16nm,0.8s				
CKRC	Cesky Krumlov	24.51 162	eP	P	13 21 05.3 +0.8
CKRC			eS	S	13 25 23.7 -0.8
CKRC			eS	S	13 21 05.3 +0.8
CKRC			eS	S	13 25 23.7 -0.8
CKRC			AMS	AMS	13 31 25.0
BFO	comp=Z,6um,19.0s				
BFO	Black Forest	24.59 171	eP	P	13 21 05.4 +0.2
NIE	comp=Z,61nm,1.1s,baz=356,slow=3				
NIE	Niedzica	24.62 152	eP	P	13 21 06.9 +1.4
NIE			eL	L	13 30 36.2
RES	comp=Z,7um,20.1s				
RES	Resolute Bay	24.63 321	eP	P	13 21 06.0 +0.7
RES			IAMB	IAMB	13 21 16.8
RES	comp=Z,86nm,1.3s				
RES	Resolute Bay	24.63 321	eP	P	13 21 06.0 +0.7
RES			pmax	pmax	
RES	comp=Z,87nm,1.3s				
RES	Resolute Bay	24.63 321	eP	P	13 21 06.0 +0.7
RES			LR	LR	13 30 54.6
ECH	comp=Z,10um,18.4s,baz=40,slow=37				
ECH	Echery	24.66 173	eP	P	13 21 04.9 -0.9
ECH			IAMB	IAMB	13 21 25.3
ECH	comp=Z,69nm,1.1s				
ECH	Echery	24.66 173	eP	P	13 21 04.9 -0.9
ECH			pmax	pmax	
ECH	comp=Z,69nm,1.1s				
ECH			MLR	MLR	
STHS	comp=Z,3um,18.0s				
STHS	Stebnicka Huta	24.76 151	eP	P	13 21 07.2 +0.5
STHS			pmax	pmax	
STHS	comp=Z,76nm,1.2s				
STHS	Stebnicka Huta	24.76 151	eP	P	13 21 07.2 +0.5
STHS			eS	S	13 21 07.6 +0.8
STHS			eL	L	13 30 38.8
KWP	comp=Z,14um,18.8s				
KWP	Kalwaria Pacia	24.77 148	eP	P	13 21 05.0 -1.7
KWP			IAMS_20	IAMS_20	13 30 36.7
KWP	comp=Z,14um,18.0s				
KWP	Kalwaria Pacia	24.77 148	eP	P	13 21 05.0 -1.7
KWP			pmax	pmax	
KWP	comp=Z,289nm,1.3s				
KWP			MLR	MLR	
LANS	comp=Z,14um,18.0s				
LANS	Liptovska Anna	24.77 154	eP	P	13 21 08.8 +2.0
LANS			pmax	pmax	
LANS	comp=Z,29nm,1.1s				
LANS	Liptovska Anna	24.77 154	eP	P	13 21 08.8 +2.0
LANS			eP	P	13 21 05.3 -1.7
LANS			eS	S	13 21 50.6
LANS			eS	S	13 25 22.5 -6.6
LANS			eSS	eSS	13 26 35.5 +2.0
LANS			pmax	pmax	

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LVV	comp=Z,380nm,1.6s				
LVV	comp=N,13um,15.0s				
LVV	comp=E,6um,15.0s				
JAVC	comp=Z,16um,15.0s				
AKASG	Velka Javorina	24.83 157	eP	P	13 21 08.8 +1.4
AKASG	Malin Array Be	24.90 138	eP	P	13 21 07.5 -0.4
AKASG	Malin Array Be	24.90 138	eP	P	13 21 07.0 -0.9
AKASG	comp=Z,49nm,1.0s				
AKASG	Malin Array Be	24.90 138	eP	P	13 21 06.3 -1.6
AKASG	comp=Z,35nm,0.9s,baz=344,slow=9.5,SNR=6.1				
AKASG			PcP	PcP	13 24 42.6 -0.4
AKASG	comp=Z,4.5nm,0.7s,baz=2.7,slow=2.5,SNR=5.6				
AKASG			LR	LR	13 30 30.4
AKKB	comp=Z,20um,19.2s,baz=338,slow=9.6				
AKKB	Malin Array Si	24.90 138	eP	P	13 21 06.5 -1.4
AKKB	Malin Array Si	24.90 138	eP	P	13 21 06.5 -1.4
AKKB			pmax	pmax	
AKKB	comp=Z,143nm,1.1s				
AKKB			MLR	MLR	
SMOL	comp=Z,24um,19.0s				
SMOL	Smolenice	25.14 157	eP	P	13 21 12.0 +1.9
SMOL			pmax	pmax	
SMOL	comp=Z,144nm,2.1s				
SMOL	Cervenica-Dubn	25.29 151	eP	P	13 21 13.4 +1.9
SMOL			pmax	pmax	
CRVS	comp=Z,3um,3.1s				
CRVS	Cervenica-Dubn	25.29 151	eP	P	13 21 13.4 +1.9
CRVS	Galich ya Gora	25.32 123	eP	P	13 21 11.0 -0.7
CRVS			eS	S	13 25 34.3 -3.1
CRVS			pmax	pmax	
LPSR	comp=Z,230nm,0.9s				
LPSR			smax	smax	
LPSR	comp=E,2um,9.3s				
LPSR			MLR	MLR	
UBR	comp=Z,13um,18.0s				
UBR	Ueberhuth	25.33 169	eP	P	13 21 12.7 +0.8
UYHS	comp=Z,17nm,0.9s,baz=356,slow=10				
UYHS	Yhtne	25.33 155	eP	P	13 21 12.7 +0.8
UYHS			pmax	pmax	
UYHS	comp=Z,17um,3.2s				
UYHS	Yhtne	25.33 155	eP	P	13 21 12.7 +0.8
UYHS			eS	S	13 21 13.3 +1.0
UYHS			pmax	pmax	
KOLS	comp=Z,78nm,1.0s				

1911

GNI		S	S	13 29 10.0	+9.2
GNI		S	S	13 29 10.0	+9.2
GNI	Garni	38.38 125	LR	LR	13 39 04.8
KURK	comp=Z,6um,18.2s,baz=35.1,slow=37	38.38 83	P	P	13 23 05.4 -0.7
KURK	Kurchatov	38.38 83	IAMS_20	IAMS_20	13 40 35.3
KURK	Kurchatov	38.38 83	dIP	P	13 23 06.3 +0.2
KURK	comp=Z,38nm,1.5s		pmax	pmax	
KURK	Kurchatov	38.38 83	P	P	13 23 05.8 -0.3
KURK			S	S	13 23 05.8 -0.3
KURK			S	S	13 29 02.4 +2.1
KURK			S	S	13 29 02.4 +2.1
F25K	Christian Rive	38.42 341	P	P	13 23 05.0 -1.4
E22K	Anaktuvuk Pass	38.42 345	P	P	13 23 07.2 +0.9
E22K	Anaktuvuk Pass	38.42 345	P	P	13 23 04.5 -1.9
KURBB	Kurchatov Arra	38.44 83	P	P	13 23 06.3 -0.2
KURBB	comp=Z,10nm,0.9s,baz=338,slow=6.8,SNR=48		PP	PP	13 24 31.5 -2.7
KURBB	comp=Z,3.9nm,1.0s,baz=330,slow=10,SNR=5.1		PcP	PcP	13 25 19.6 +0.2
KURBB	comp=Z,3.8nm,0.7s,baz=328,slow=3.4,SNR=6.3		LR	LR	13 40 50.5
KURBB	comp=Z,3um,20.0s,baz=327,slow=39				
BMAR	Burnt Mountain	38.48 341	P	P	13 23 08.1 +1.3
D19K	Kuna River	38.49 349	IAMB	IAMB	13 23 15.8
D19K	Kuna River	38.49 349	P	P	13 23 05.0 -1.9
C18K	Utukok River	38.50 351	IAMB	IAMB	13 23 16.2
C18K	Utukok River	38.50 351	P	P	13 23 05.4 -1.6
E20K	Nigu River	38.61 348	P	P	13 23 05.0 -2.9
EPYK	Eagle Plains	38.61 335	P	P	13 23 08.2 +0.3
EPYK			IAMB	IAMB	13 23 16.8
EPYK	comp=Z,117nm,1.2s	38.61 335	P	P	13 23 05.8 -2.2
EPYK	Eagle Plains				
YKA	Yellowknife Ar	38.66 319	P	P	13 23 08.2 -0.1
YKA	Yellowknife Ar	38.66 319	iP	P	13 23 10.5 +2.1
YKA	comp=Z,5.0nm,0.8s		pmax	pmax	
YKA	Yellowknife Ar	38.66 319	P	P	13 23 09.3 +0.9
YKA	comp=Z,4.8nm,0.8s,baz=18,slow=9.0,SNR=21		PnPn		13 24 40.1 +1.6
YKA	comp=Z,5.1nm,1.0s,baz=18,slow=12,SNR=3.8		PcP	PcP	13 25 21.0 +1.0
F24K	Squaw Lake	38.70 343	P	P	13 23 07.1 -1.6
OTUK	Ortayou	38.71 90	P	P	13 23 08.5 -0.4
C17K	DeLong Mountai	38.76 352	P	P	13 23 07.5 -1.6
G27K	Doyon Strip	38.77 339	IAMB	IAMB	13 23 17.3
G27K	Doyon Strip	38.77 339	P	P	13 23 07.7 -1.5
G26K	Porcupine Rive	38.86 340	P	P	13 23 09.1 -0.8
H29M	Whitestone	38.96 336	IAMB	IAMB	13 23 18.8
H29M	Whitestone	38.96 336	P	P	13 23 09.9 -1.0
C16K	Lisburne Hills	39.04 353	IAMB	IAMB	13 23 20.7
C16K			IAMS_20	IAMS_20	13 36 52.9
C16K	Lisburne Hills	39.04 353	P	P	13 23 11.2 -0.2
BILL	Bilibino	39.05 10	P	P	13 23 12.6 +1.0
BILL			IAMB	IAMB	13 23 19.9
BILL	comp=Z,171nm,1.5s		IAMS_20	IAMS_20	13 37 19.2
BILL	comp=Z,3um,22.0s	39.05 10	iP	P	13 23 13.4 +1.8
F22K	John River	39.07 345	P	P	13 23 10.4 -1.4
IDI	Anoyia	39.13 151	IAMS_20	IAMS_20	13 40 19.5
IDI	Anoyia	39.13 151	P	P	13 23 10.2 -2.4
RTC	Rabat Centre	39.13 193	P	P	13 23 12.2 -0.4
RDOC	Red Dog Mine	39.17 352	P	P	13 23 11.0 -1.5
COLD	Coldfoot	39.18 344	P	P	13 23 10.2 -2.5
GURO	Guroyark-BITLI	39.25 129	IAMS_20	IAMS_20	13 39 57.9
G25K	Bearman Lake	39.27 341	P	P	13 23 11.9 -1.5
H27K	Steamboat Moun	39.31 338	P	P	13 23 12.3 -1.6
F21K	Alatna River	39.45 346	P	P	13 23 12.9 -2.0
G24K	Hadweenzic Riv	39.46 342	P	P	13 23 17.0 +1.9
G24K	Hadweenzic Riv	39.46 342	P	P	13 23 13.0 -2.0
E19K	Redstone River	39.46 348	IAMB	IAMB	13 23 23.9
E19K	Redstone River	39.46 348	P	P	13 23 12.8 -2.2
JFR	Ifrane	39.50 191	P	P	13 23 15.6 -0.2
GAZ	Gaziantep	39.50 135	IAMS_20	IAMS_20	13 39 59.4
D17K	Noatak River	39.53 352	P	P	13 23 14.8 -0.7
G22K	Bettles	39.59 345	P	P	13 23 15.3 -0.8
WRGLV	Wrigley	39.62 325	P	P	13 23 15.4 -0.9
I30M	Mount Dempster	39.67 335	IAMB	IAMB	13 23 24.7
I30M	Mount Dempster	39.67 335	P	P	13 23 16.9 0.0
G23K	Bananza Creek	39.68 344	PcP	P	13 25 24.0 +0.8
G23K	Bananza Creek	39.68 344	P	P	13 23 15.9 -0.9
E18K	Tukpahleark C	39.69 350	IAMB	IAMB	13 23 26.0
E18K	Tukpahleark C	39.69 350	P	P	13 23 16.5 -0.4
H25L	Birch Creek	39.73 341	P	P	13 23 15.9 -1.3
F20K	Avarart Lake	39.77 347	IAMB	IAMB	13 23 26.4
F20K	Avarart Lake	39.77 347	P	P	13 23 16.0 -1.5
I29M	Ogilvie Camp,	39.78 336	P	P	13 23 18.1 +0.5
I29M			IAMS_20	IAMS_20	13 37 27.6
I29M	Ogilvie Camp,	39.78 336	P	P	13 23 16.7 -1.0
AVE	Averores 194	39.86 194	P	P	13 23 20.3 +1.6
I28M	Miner Creek	39.89 337	IAMS_20	IAMS_20	13 38 46.7
I28M	Miner Creek	39.89 337	P	P	13 23 18.0 -0.7
I27K	Kandik River	39.93 338	P	P	13 23 16.7 -2.2
E17K	Hotham Inlet	40.09 351	P	P	13 23 18.0 -2.2
F19K	Shalerruckik Mo	40.12 348	P	P	13 23 18.2 -2.2
G21K	Allakaket	40.15 346	IAMB	IAMB	13 23 29.4
G21K	Allakaket	40.15 346	P	P	13 23 19.2 -1.5
MDT	Midelt	40.17 190	LR	LR	13 39 09.2
J30M	Hart River	40.28 334	IAMB	IAMB	13 23 31.2
J30M	Hart River	40.28 334	P	P	13 23 20.0 -2.0
H24K	Noodor Dome	40.34 342	IAMB	IAMB	13 23 31.2
H24K	Noodor Dome	40.34 342	P	P	13 23 20.3 -2.1
I26K	Coal Creek Min	40.39 339	P	P	13 23 20.3 -2.4
PRP	Porcupine Dome	40.43 340	P	P	13 23 25.6 +2.4
PRP	Porcupine Dome	40.43 340	P	P	13 23 22.1 -1.1

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H23K	Yukon River	40.51 344	P	P	13 23 22.3 -1.4
H22K	Ishlathina Cre	40.59 344	P	P	13 23 22.3 -2.1
EGAK	Eagle	40.68 337	P	P	13 23 24.2 -0.9
IMAR	Indian Mountai	40.69 346	P	P	13 23 26.3 +1.2
F17K	Baldwin Pennin	40.70 350	IAMB	IAMB	13 23 43.2
F17K	Baldwin Pennin	40.70 350	P	P	13 23 24.3 -0.9
LKRK	Lenkeran, Azer	40.75 121	P	P	13 23 30.6 +4.6
G19K	Purcell Mounta	40.76 348	IAMB	IAMB	13 23 34.9
G19K	Purcell Mounta	40.76 348	P	P	13 23 23.2 -2.6
YAK	Yakutsk	40.76 35	P	P	13 23 25.4 -0.4
YAK	comp=Z,105nm,1.4s		IAMB	IAMB	13 23 28.4
YAK	Yakutsk	40.76 35	eP	P	13 23 25.0 -0.8
YAK			ePP	P	13 23 33.1 +1.7
YAK			ePPP	P	13 25 09.6
YAK			S	S	13 25 32.8
YAK			eS	S	13 23 35.9 +0.2
YAK			eSS	SS	13 29 41.2 +1.4
YAK			eSS	SS	13 32 34.6 -1.2
YAK	comp=Z,49nm,1.1s		pmax	pmax	
YAK	comp=N,29nm,1.3s		pmax	pmax	
YAK	comp=Z,108nm,1.8s		pmax	pmax	
YAK	comp=N,103nm,1.8s		smax	smax	
YAK	comp=N,112nm,3.3s		smax	smax	
YAK	comp=E,253nm,4.1s		MLR	MLR	
YAK	comp=Z,1um,17.0s		MLR	MLR	
YAK	comp=N,736nm,16.0s		MLR	MLR	
CSS	Mathiatis	40.86 141	IAMS_20	IAMS_20	13 42 35.4
H21K	Melozitna Rive	40.94 345	IAMB	IAMB	13 23 36.7
H21K	Melozitna Rive	40.94 345	P	P	13 23 25.7 -1.6
POKR	Poker Plat Res	41.01 341	P	P	13 23 25.3 -2.6
G18K	Tagagawik	41.10 349	P	P	13 23 26.6 -2.0
K29M	Barlow Dome	41.14 335	P	P	13 23 26.7 -2.3
I23K	Minto, Yukon-K	41.15 343	P	P	13 23 30.7 +1.7
I23K			IAMB	IAMB	13 23 38.5
I23K	Minto, Yukon-K	41.15 343	P	P	13 23 27.4 -1.5
DAWY	Dawson	41.16 336	P	P	13 23 30.5 +1.4
DAWY	comp=Z,121nm,1.8s		IAMB	IAMB	13 23 37.4
DAWY	Dawson	41.16 336	P	P	13 23 26.8 -2.3
HAL	Halifax	41.16 265	IAMS_20	IAMS_20	13 36 58.8
MAYO	Mayo, Yukon	41.16 333	P	P	13 23 30.5 +1.4
MAYO			IAMB	IAMB	13 23 37.6
MAYO	comp=Z,81nm,1.0s		P	P	13 23 27.6 -1.6
J26L	Joseph Creek	41.21 339	IAMS_20	IAMS_20	13 36 47.8
J26L	Joseph Creek	41.21 339	P	P	13 23 27.3 -2.3
J26L	Murphy Dome	41.24 342	P	P	13 23 31.8 +2.1
MDM			IAMB	IAMB	13 23 39.1
H20K	Anoteneega Mo	41.26 346	P	P	13 23 27.6 -2.2
COLA	College	41.28 342	P	P	13 23 31.9 +1.8
COLA	College	41.28 342	IAMB	IAMB	13 23 39.5
COLA	College	41.28 342	P	P	13 23 32.8 +2.8
COLA	College	41.28 342	pmax	pmax	13 23 31.9 +1.8
COLA	comp=Z,85nm,1.5s		P	P	13 23 27.2 -2.8
IL31		41.29 341	P	P	13 23 31.5 +1.4
ILAR	Eielson Array	41.29 341	P	P	13 23 31.9 +1.7
ILAR	Eielson Array	41.29 341	P	P	13 23 32.3 +2.1
ILAR	comp=Z,14nm,0.8s,baz=6.3,slow=6.7,SNR=146		PcP	PcP	13 25 28.9 +0.5
J25K	Salcha River	41.30 340	IAMB	IAMB	13 23 39.5
J25K	Salcha River	41.30 340	P	P	13 23 28.3 -2.0
H19K	Roundabout Mou	41.33 347	IAMB	IAMB	13 23 29.8
H19K	Roundabout Mou	41.33 347	P	P	13 23 28.3 -2.1
I21K	Tanana	41.34 344	P	P	13 23 28.3 -2.2
MLY	Manley	41.39 344	P	P	13 23 28.7 -2.3
CCB	Clear Creek Bu	41.50 342	P	P	13 23 33.3 +1.4
CCB			IAMB	IAMB	13 23 40.7
BOD	Bodaibo	41.51 49	eP	P	13 23 30.7 -1.3
BOD			pmax	pmax	
K27K	Chicken	41.51 338	P	P	13 23 30.4 -1.5
F15K	North Star Dit	41.58 352	IAMB	IAMB	13 23 41.3
F15K	North Star Dit	41.58 352	P	P	13 23 31.2 -1.3
G17K	Kiwalik Mounta	41.60 350	P	P	13 23 30.9 -1.8
HDA	Harding Lake	41.65 341	P	P	13 23 34.3 +1.2
HDA	Harding Lake	41.65 341	IAMB	IAMB	13 23 42.0
HDA	Harding Lake	41.65 341	P	P	13 23 31.2 -1.9
NEA2	Nenana	41.67 342	P	P	13 23 31.9 -1.4
WRH	Wood River Hil	41.70 342	P	P	13 23 35.1 +1.6
SCRK	Sand Creek	41.77 339	IAMS_20	IAMS_20	13 36 54.3
SCRK	Sand Creek	41.77 339	P	P	13 23 32.5 -1.7
G16K	Koyuk River	41.80 351	IAMB	IAMB	13 23 43.8
G16K	Koyuk River	41.80 351	P	P	13 23 32.4 -1.9
H18K	Honhosa River	41.82 348	P	P	13 23 33.5 -1.0
TNA	Tin City	41.84 354	P	P	13 23 34.0 -0.7
DGZ	Jazzator, Alta	41.87 76	iP	pmax	13 23 35.6 +0.4
DGZ			pmax	pmax	
F14K	Arctic Creek	41.88 353	P	P	13 23 34.0 -1.0
I20K	Naagdeneel	41.92 346	P	P	13 23 33.8 -1.4
L29M	L29M	41.92 335	IAMB	IAMB	13 23 44.0
L29M	L29M	41.92 335	P	P	13 23 34.4 -1.0
TGNT	Hyland Airport	42.01 327	P	P	13 23 35.5 -0.7
BTLS	Baital	42.10 91	eP	P	13 23 36.8 -0.3
BTLS	Baital	42.10 91	eP	P	13 23 36.7 -0.3
FARO	Faro, Yukon	42.12 331	P	P	13 23 38.4 +1.4
FARO			IAMB	IAMB	13 23 46.4
FARO	comp=Z,188nm,1.8s		P	P	13 23 36.7 -0.3
FARO	comp=Z,18,SNR=17				

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H17K	Granite Mounta	42.13 349	IAMB	IAMB	13 23 46.3
H17K	Granite Mounta	42.13 349	P	P	13 23 36.6 -0.4
K24K	Donnelly Dome	42.13 340	P	P	13 23 36.1 -1.0
GCSA	Galena City Sc	42.13 347	P	P	13 23 36.0 -1.0
TIO	Tiouine	42.20 193	P	P	13 23 38.9 +0.8
M30M	Minto, Yukon	42.26 334	IAMB	IAMB	13 23 39.7 +1.5
M30M			IAMB</		

1913

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like CRAG Craig, MDND Maddock, KDAX Kodiak Island, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like L34A Svendsen Farm, R4SS Black Hills, R4SS Black Hills, etc.

28d 13h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like KMCS Kings Mountain, KMCS Kings Mountain, V52A Sevierville, etc.

1915

WHFO	SNR=5.0	S	S	13 34 27.5	0.0
WHFO		S	S	13 34 27.5	0.0
FW06	Azle	61.92 291	IAMS_20	IAMS_20	13 51 23.3
EMB	Emerald Bay	61.94 312	I Amb	I Amb	13 26 19.5
EMB	comp=Z,4um,21.0s		IAMS_20	IAMS_20	13 53 38.2
FW03	Perrin-Whitt E	62.00 291	I Amb	I Amb	13 26 12.8
FW03	comp=Z,3um,19.0s		IAMS_20	IAMS_20	13 52 18.4
NV11	Mina Array S11	62.02 310	I Amb	I Amb	13 26 19.2
NV11	comp=Z,27nm,1.4s		IAMS_20	IAMS_20	13 53 23.3
NVAR	Mina Array Bea	62.05 311	P	P	13 26 07.3 +1.5
NVAR	Mina Array Bea	62.05 311	P	P	13 26 07.5 +1.8
NVAR	comp=Z,8.7nm,0.9s,baz=21,slow=3.5,SNR=24		LR	LR	13 53 45.3
NVAR	comp=Z,2um,18.5s,baz=14,slow=37		PKPPKP	P P df	13 55 12.4 -5.7
KNB	Kanab	62.11 305	IAMS_20	IAMS_20	13 54 18.7
AFDM	Forest Hills D	62.15 313	I Amb	I Amb	13 26 20.9
AFDM	comp=Z,65nm,1.8s		IAMS_20	IAMS_20	13 53 22.0
DKNS	Dickens	62.20 294	I Amb	I Amb	13 26 17.3
LCMT	Little Creek M	62.22 306	I Amb	I Amb	13 26 17.2
LCMT	comp=Z,34nm,1.3s		IAMS_20	IAMS_20	13 53 22.6
NATX	Nacogdoches	62.24 287	P	P	13 26 07.3 +0.5
WAKR	Walker	62.24 312	I Amb	I Amb	13 26 13.2
ABTO	Aybut	62.27 124	P	P	13 26 06.7 -0.4
ABTO	SNR=8.8		P	P	13 26 06.7 -0.4
ABTO			S	S	13 34 38.8 +5.8
ABTO			S	S	13 34 38.8 +5.8
LHV	Little Huntoon	62.27 311	IAMS_20	IAMS_20	13 53 32.0
PRN	Pahroc Range	62.28 307	IAMS_20	IAMS_20	13 53 29.1
PLPT	Palo Pinto	62.28 291	I Amb	I Amb	13 26 14.7
APMT	Aspermont	62.30 293	I Amb	I Amb	13 26 16.1
XAN	Xi'an	62.37 64	UP	P	13 26 07.5 -0.2
XAN			pP	pP	13 26 12.5 -0.7
XAN			sP	sP	13 26 15.5 +4.2
XAN			SS	SS	13 34 39.0 +5.0
XAN	comp=Z,28nm,1.1s		pmax	pmax	
XAN	comp=Z,540nm,6.7s		LR	LR	
XAN	comp=Z,3um,18.7s		LR	LR	
XAN	comp=Z,2um,17.8s		LR	LR	
MSTX	Muleshoe	62.41 296	P	P	13 26 07.7 -0.3
TIA	Tai'an	62.45 56	P	P	13 26 09.0 +0.9
TIA			S	S	13 34 41.0 +6.2
TIA	comp=Z,13nm,0.9s		pmax	pmax	
TIA	comp=Z,230nm,3.9s		LR	LR	
TIA	comp=Z,990nm,16.3s		LR	LR	
TIA	comp=Z,360nm,14.2s		LR	LR	
ANMO	Albuquerque	62.47 299	P	P	13 26 09.7 +1.1
ANMO	Albuquerque	62.47 299	eP	eP	13 26 09.9 +1.3
ANMO	comp=Z,47nm,3.0s		pmax	pmax	
ANMO	Albuquerque	62.47 299	P	P	13 26 07.1 -1.4
ANMO	Albuquerque	62.47 299	P	P	13 26 09.8 +1.3
ANMO	Albuquerque	62.47 299	LR	LR	13 53 27.6
ANMO	comp=Z,5um,18.6s,baz=120,slow=36				
060A	Indiantown	62.47 272	IAMS_20	IAMS_20	13 52 27.5
MZP	Montezuma Peak	62.54 310	IAMS_20	IAMS_20	13 53 54.2
U15A	North Rim	62.54 305	IAMS_20	IAMS_20	13 55 18.1
TAPN	Taplejung	62.56 86	eP	P	13 26 09.6 +0.2
RAMN	Ramite	62.61 87	eP	P	13 26 09.9 +0.3
WHTX	Lake Whitney	62.81 290	IAMS_20	IAMS_20	13 52 49.0
WHTX	Lake Whitney	62.81 290	P	P	13 26 08.8 -1.8
ABTX	Ablene, Hawle	62.83 292	P	P	13 26 10.9 +0.1
ABTX	Ablene, Hawle	62.83 292	P	P	13 26 12.0 +1.3
LYN	LuoYang	62.83 61	UP	P	13 26 12.0 +1.3
LYN			pP	pP	13 26 18.3 +2.1
LYN			S	S	13 34 38.8 -0.8
LYN			SS	SS	13 34 46.8 +3.2
LYN			SS	SS	13 38 45.3 +1.6
LYN	comp=Z,26nm,1.1s		pmax	pmax	
LYN	comp=Z,380nm,5.4s		LR	LR	
LYN	comp=Z,1um,21.6s		LR	LR	
LYN	comp=Z,930nm,15.5s		LR	LR	
GMN	Gold Mountain	62.90 309	I Amb	I Amb	13 26 19.6
GMN	comp=Z,2um,20.0s		IAMS_20	IAMS_20	13 55 35.5
CMB	Columbia Colle	62.90 312	IAMS_20	IAMS_20	13 54 55.7
POST	Post	62.92 294	I Amb	I Amb	13 26 19.1
ODAN	Odare	62.93 87	eP	P	13 26 11.8 0.0
MLAC	Mammoth, Mammo	62.94 311	P	P	13 26 10.9 -0.9
MDPB	Devils Postpil	62.99 311	IAMS_20	IAMS_20	13 53 40.1
OMMB	Old Mammoth Mi	62.99 311	I Amb	I Amb	13 26 21.5
OMMB	comp=Z,46nm,1.6s		IAMS_20	IAMS_20	13 54 55.2
TPNV	Topopah Spring	63.00 308	I Amb	I Amb	13 26 19.7
TPNV	comp=Z,33nm,1.0s		IAMS_20	IAMS_20	13 55 48.2
TPNV	comp=Z,2um,19.0s		P	P	13 26 11.6 -0.5
JTM	Tenmabayashi	63.11 35	IAMS_20	IAMS_20	13 55 53.3
JTM	comp=Z,34nm,18.0s		IAMS_20	IAMS_20	13 53 03.1
W18A	Petrified Fore	63.15 302	IAMS_20	IAMS_20	13 53 03.1
W18A	Petrified Fore	63.15 302	P	P	13 26 12.6 -0.4
SHPR	Sheep Range	63.16 307	IAMS_20	IAMS_20	13 53 09.6
WUAZ	Wupatki	63.18 304	I Amb	I Amb	13 26 20.6
WUAZ	comp=Z,18nm,1.0s		IAMS_20	IAMS_20	13 55 45.0
WUAZ	comp=Z,2um,20.0s		P	P	13 26 13.2 -0.1
GRAC	Grapevine Rang	63.21 309	IAMS_20	IAMS_20	13 54 07.9
GRAC	Grapevine Rang	63.21 309	P	P	13 26 12.7 -0.6

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WCT	Wildcat Mounta	63.23 309	IAMS_20	IAMS_20	13 54 11.5
MCCM	Marconi Confer	63.34 314	IAMS_20	IAMS_20	13 49 15.3
TIN	Timemaha, Big	63.35 310	P	P	13 26 13.6 -0.7
Y22D	IRIS PASCAL I	63.41 299	P	P	13 26 14.1 -0.7
Y22F	Pascal Instru	63.41 299	P	P	13 26 13.9 -0.9
Y22N	Inchon	63.47 48	IAMS_20	IAMS_20	13 56 13.8
INCN	Inchon	63.47 48	P	S	13 26 10.2 -4.8
INCN	comp=Z,1um,19.0s		S	S	13 34 29.5 -1.3
Y22A	Socorro	63.56 299	P	P	13 26 17.2 +1.5
FURC	Furnace Creek,	63.60 309	P	P	13 26 16.2 +0.5
X18A	Snowflake	63.76 302	IAMS_20	IAMS_20	13 53 47.4
KSRs	Korea Array	63.78 47	P	P	13 26 17.0 +0.1
KSRs	comp=Z,3.1nm,0.8s,baz=354,slow=7.2,SNR=8.9		PKPKP	PKIKP	13 32 59.1 -1.7
KSRs	comp=Z,0.7nm,0.4s,baz=291,slow=6.6,SNR=5.9		LR	LR	13 58 40.7
KSRs	comp=Z,691nm,18.0s,baz=345,slow=40				
KSRs	comp=Z,3.1nm,0.8s				
KSRs	Wonyu Array Be	63.78 47	P	P	13 26 16.2 -0.8
KSRs	Wonyu Array Be	63.78 47	P	P	13 26 16.2 -0.8
V12A	Nelson	63.83 307	I Amb	I Amb	13 26 26.2
CD2	Chengdu	63.90 70	P	S	13 26 18.8 +0.9
CD2			pmax	pmax	13 34 54.5 +1.4
CD2	comp=Z,20nm,0.8s		pmax	pmax	
CD2	comp=Z,280nm,5.9s		LR	LR	
CD2	comp=Z,350nm,13.9s		LR	LR	
CD2	comp=Z,490nm,10.1s		LR	LR	
SGCY	Sterling City	63.90 293	I Amb	I Amb	13 26 24.7
CWC	Cottonwood Crs	63.91 310	P	P	13 26 18.3 +0.2
BRDY	Brady	63.91 291	I Amb	I Amb	13 26 24.6
435B	Jarrell	63.99 290	IAMS_20	IAMS_20	13 52 50.1
435B	Jarrell	63.99 290	P	P	13 26 18.9 +0.5
QSM	Queen of Sheba	64.08 309	IAMS_20	IAMS_20	13 56 42.9
ODSA	Odessa	64.10 295	I Amb	I Amb	13 26 26.8
MPMC	Manual Prospec	64.14 309	P	P	13 26 19.1 -0.5
W13A	Hualapai Mount	64.20 306	IAMS_20	IAMS_20	13 54 08.9
X16A	Lo Mia Camp, P	64.24 303	IAMS_20	IAMS_20	13 53 41.1
HKT	Hockley	64.28 288	P	P	13 26 20.8 +0.6
HKT	Hockley	64.28 288	P	P	13 26 20.8 +0.6
HKT	comp=Z,78nm,1.7s		pmax	pmax	
HKT	comp=Z,4um,18.0s		MLR	MLR	
VOG	Valley Oaks Gc	64.32 311	P	P	13 26 19.6 -0.8
TUQ	Turquoise Moun	64.36 308	P	P	13 26 20.6 -0.4
NEE2	Needles Airpor	64.69 306	P	P	13 26 22.7 -0.3
TJN	Taejon	64.69 47	P	P	13 26 23.5 +0.6
GSC	Goldstone, Bar	64.70 308	P	P	13 26 22.7 -0.5
LPMC	Laurel Mtn Rad	64.73 309	P	P	13 26 23.0 -0.4
PMPB	Monarch Peak	64.74 312	IAMS_20	IAMS_20	13 56 18.3
ISA	Isabella, Lake	64.74 310	I Amb	I Amb	13 26 32.0
ISA	Isabella, Lake	64.74 310	IAMS_20	IAMS_20	13 55 33.4
ISA	comp=Z,3um,18.0s				
ISA	Isabella, Lake	64.74 310	P	P	13 26 22.1 -1.3
OZNA	Ozona	64.84 293	I Amb	I Amb	13 26 31.8
JCT	Junction City	64.89 292	P	P	13 26 23.9 -0.5
JCT	Junction City	64.89 292	P	P	13 26 27.1 +2.7
MNHN	Monahans	64.89 295	I Amb	I Amb	13 26 31.9
GMRC	Granite Mounta	64.92 307	P	P	13 26 24.6 0.0
PDMCI	Parker Dam,Lak	65.02 306	P	P	13 26 25.3 +0.2
HEC	Heer,Ludlow	65.04 308	P	P	13 26 24.7 -0.6
Y14A	Weickenburg	65.09 305	IAMS_20	IAMS_20	13 56 56.5
121A	Cookes Peak, D	65.10 299	I Amb	I Amb	13 26 35.6
121A	Cookes Peak, D	65.10 299	P	P	13 26 25.1 -0.8
CCAC	Calif City Air	65.12 309	I Amb	I Amb	13 26 34.8
CCAC	comp=Z,49nm,1.3s		IAMS_20	IAMS_20	13 54 55.5
RRX	Edison Barstow	65.15 308	P	P	13 26 25.4 -0.6
PECS	Edies	65.16 296	I Amb	I Amb	13 26 34.4
MNTX	Cornudas Mount	65.26 297	P	P	13 26 25.9 -0.8
MNTX	Cornudas Mount	65.26 297	P	P	13 26 27.7 +1.0
EDW2	Edwards Air Fo	65.38 309	P	P	13 26 25.0 -2.5
IRM	Iron Mountain	65.40 306	P	P	13 26 26.5 -1.2
SMMC	Simmler	65.42 311	P	P	13 26 26.3 -1.5
ATD	Arta Tunnel	65.51 136	LR	LR	13 55 22.7
HND0	Hondo	65.64 291	I Amb	I Amb	13 26 36.3
BBRC	Big Bear Solar	65.72 308	P	P	13 26 29.5 -0.5
BELC	Belle Mtn. Jos	65.75 307	P	P	13 26 27.7 -2.3
PKM	Mcherson Peak	65.79 311	P	P	13 26 26.3 -4.0
735A	Kennedy Mounta	65.87 289	IAMS_20	IAMS_20	13 56 07.8
BC3	Big Chuckawall	65.95 307	P	P	13 26 30.1 -1.2
SAND	Sanderson	66.03 294	I Amb	I Amb	13 26 37.1
ALPN	Alpine	66.04 295	I Amb	I Amb	13 26 39.9
TUC	Tucson	66.08 302	P	P	13 26 33.3 +1.2
TUC	Tucson	66.08 302	IAMS_20	IAMS_20	13 53 45.8
TUC	Tucson	66.08 302	P	P	13 26 33.3 +1.2
TUC	comp=Z,87nm,1.9s		pmax	pmax	
TUC	Tucson	66.08 302	P	P	13 26 31.2 -0.9
ENH	Enshi	66.08 65	IAMS_20	IAMS_20	14 00 27.1
ENH	Enshi	66.08 65	P	P	13 26 32.1 0.0
PASC	Pasadena Art C	66.10 309	IAMS_20	IAMS_20	13 57 46.4

28d 13h

Table with columns: Station, Comp, Z, Freq, Mod, P, S, R, I, A, M, S, T, L, R, Time, Res, ISC. Includes stations like GYA, KMI, KMO, KMB, etc.

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Table with columns: QIZ, Station, Comp, Z, Freq, Mod, P, S, R, I, A, M, S, T, L, R, Time, Res, ISC. Includes stations like ARGC, MTO3, MTO5, etc.

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Table with columns: LBTB, Station, Comp, Z, Freq, Mod, P, S, R, I, A, M, S, T, L, R, Time, Res, ISC. Includes stations like LBTB, ITRB, BBSB, etc.

MW3.7
GUC 28 16:29:11.4, 0.6, 24.03S, 67.49W, h221km, 6km, ML3.9
ISC 28 16:29:08.3: 1.8, 24.13S, 0.04: 67.18W, 0.04,
h207km, 1.6km, n33, c1523/54, 1C, Chile-Argentina border

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Lists various seismic stations and their recorded events.

KRNET 28 16:30:49.2, 0.1, 40.85N, 72.79E, h15km, mb3.4
KNET 28 16:30:50.7, 0.3, 40.92N, 72.88E, h11km, 2km, ml3.0, Error
ellipse: s-maj=4.8km s-min=2.5km az=108.0
SOME 28 16:30:56.4, 0.92N, 72.73E, h15km
NMC 28 16:30:51.1, 1.0, 40.94N, 72.77E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=8.6km s-min=4.0km az=175.0
ISC 28 16:30:47.7, 1.1, 40.86N, 0.02: 72.80E, 0.02, h18km, 4km,
n75, c1524/108, 47C-28D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Lists seismic stations for the 1919 event.

Main table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Lists seismic stations and their recorded events for the 2017 NOV period.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Lists seismic stations and their recorded events for the 2017 NOV period.

IDC 28 16:39:24.9: 3.0, 6.76S, 153.99E, h0km, mb3.3/2,
mbtmpt3.3/3, ML3.0/1, MS3.2/1, Error ellipse:
s-maj=70.5km s-min=36.6km az=100.0, New Britain
region

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Lists seismic stations and their recorded events for the IDC 28 16:39:24.9 event.

IDC 28 17:09:44.8: 3.5, 11.06N, 125.93E, h0km, mb3.3/3,
mbtmpt3.3/3, Error ellipse: s-maj=262.7km
s-min=29.9km az=65.0, Samar
region

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Lists seismic stations and their recorded events for the IDC 28 17:09:44.8 event.

28d 17h

comp=Z,1.7nm,0.7s,baz=225,slow=8.6,SNR=2.4					
MT09	Talagante	39.11 289	P	P	17 18 51.9 -1.6
MT09			I	Amb	17 19 01.4
MT02	Curacav	39.60 289	P	P	17 18 56.4 -1.0
MT02			I	Amb	17 18 57.5
comp=Z,2.1nm,1.2s					
CO01	Juntas del Tor	41.76 293	P	P	17 19 15.9 +0.3
CO01			I	Amb	17 19 18.3
comp=Z,1.1nm,1.4s					
AC05	El Transito	42.79 294	P	P	17 19 23.9 0.0
AC05			I	Amb	17 19 25.0
comp=Z,8.2nm,0.6s					
VNDA	Vanda	44.27 182	P	P	17 19 35.5 +0.5
VNDA	Vanda	44.27 182	P	P	17 19 35.4 +0.3
comp=Z,3.2nm,0.6s,baz=188,slow=7.0,SNR=30					
GO02	Milina Guanaco	45.56 297	P	P	17 19 44.6 -1.7
GO02			I	Amb	17 19 54.4
comp=Z,1.8nm,1.4s					
HO4S2	CROZET ISLANDS	45.62 111	T	T	18 10 11.1
HO4S3	CROZET ISLANDS	45.63 111	T	T	18 10 14.8
HO4S1	CROZET ISLANDS	45.64 111	T	T	18 10 19.4
comp=Z,0.4nm,0.9s					
LVC	Limon Verde	47.44 300	P	P	17 20 00.6 -0.5
LVC			I	Amb	17 20 37.4
comp=Z,4.1nm,0.9s					
PB06	IPOC Station P	47.66 299	P	P	17 20 02.3 -0.3
PB05	IPOC Station P	47.83 298	P	P	17 20 03.3 -0.5
PB07	IPOC Station P	48.65 299	P	P	17 20 09.7 -0.6
TORD	Torodir, Bea	74.60 27	P	P	17 23 10.7 +5.8
comp=Z,0.3nm,0.3s,baz=205,slow=6.2,SNR=4.6					
MAGL	Barre de l'ile	79.81 325	P	P	17 23 34.1 0.0
STKA	Stephens Creek	89.38 169	P	P	17 24 31.9 -0.5
comp=Z,0.9nm,0.5s,baz=175,slow=12,SNR=1.8					
ASAR	Alice Springs	96.40 161	P	P	17 24 54.1 -0.8
comp=Z,0.9nm,0.6s,baz=186,slow=4.1,SNR=32					
WRA	Warramunga Arr	100.12 160	P	Pdf	17 25 10.0 -1.6
comp=Z,0.4nm,0.6s					
CMAR	Chiang Mai Arr	123.20 110	PKP	PKIKP	17 30 23.1 +0.5
comp=Z,0.2nm,0.4s,baz=232,slow=4.4,SNR=4.2					
ARCES	ARCCESS Array B	132.72 22	PKP	PKIKP	17 30 40.2 +0.1
comp=Z,2.5nm,1.0s,baz=232,slow=2.2,SNR=1.9					
BVAR	Borovoye Array	135.09 58	PKP	PKPpdf	17 30 44.9 +1.0
comp=Z,0.4nm,0.4s,baz=218,slow=3.3,SNR=2.6					
YKA	Yellowknife Arr	138.65 315	PKP	PKPpdf	17 30 49.2 -1.0
comp=Z,0.4nm,0.7s,baz=119,slow=2.6,SNR=2.7					
ZALV	Zalesovo Beam	142.37 66	PKP	PKPpdf	17 30 55.5 -1.6
comp=Z,0.5nm,0.4s,baz=233,slow=3.6,SNR=2.3					
SONM	Songino Array	149.71 89	PKPbc	PKIKP	17 31 16.3 +0.6
comp=Z,1.1nm,0.4s,baz=219,slow=2.9,SNR=8.5					
ILAR	Eielsen Array	152.48 308	PKPbc	PKPbc	17 31 18.6 -1.8
comp=Z,0.4nm,0.4s,baz=136,slow=1.9,SNR=5.5					

STR 28 17:20:01.0.0.7, 45°N, 4°E, h10km, MLV3.3/30, Error ellipse: s-maj=0.0km s-min=0.0km az=112.2, preliminary
 GEN 28 17:20:01.6, 44°69'N, 10°07'E, h24km, M12.8
 BGR 28 17:20:02.5, 0.8, 44°57'N, 9°97'E, h10km, ML3.0/8, Error ellipse: s-maj=13.3km s-min=6.7km az=22.0
 LDG 28 17:20:04.7, 0.2, 44°70'N, 10°08'E, h15km, M13.1/17, Error ellipse: s-maj=5.4km s-min=2.7km az=104.0
 PRU 28 17:20:05.6, 44°74'N, 10°25'E, h25km
 ROM 28 17:20:02.9, 0.1, 44°88'N, 0°00'4.0, 10°04'E, 0°00'6, h23km, ML2.9/136, 5C-9D, Error ellipse: s-maj=0.5km s-min=0.2km az=98.0, Northern Italy

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
GRAM	Graiana	0.19 175	P	Pb	17 20 07.7 -0.6
GRAM	Graiana	0.19 175	P	Sb	17 20 11.9 0.0
GRAM			S	Sb	17 20 07.8 -0.6
GRAM			S	Sb	17 20 11.8 -0.2
comp=E,25150μm,0.3s					
GRAM			AML	AML	
comp=N,26450μm,0.3s					
PRMA	PARMA	0.21 67	P	Pb	17 20 08.1 -0.4
PRMA			S	Sb	17 20 13.7 +1.5
PRMA	PARMA	0.21 67	P	Pb	17 20 08.1 -0.4
PRMA			S	Sb	17 20 13.2 +1.0
comp=E,32750μm,0.3s					
PRMA			AML	AML	
comp=N,21300μm,0.2s					
NEVI	Nevano degli	0.22 117	P	Pb	17 20 08.3 -0.3
NEVI			S	Sb	17 20 14.1 +1.6
A306A	Viano (RE)	0.42 110	P	Pb	17 20 11.8 +0.1
A306A			S	Sb	17 20 19.2 -1.4
BOB	Bobbio (Coli)	0.43 282	P	Pb	17 20 12.2 +0.2
BOB			S	Sb	17 20 20.0 -1.1
BOB	Bobbio (Coli)	0.43 282	P	Pb	17 20 12.2 +0.2
BOB			S	Sb	17 20 19.9 -1.2
comp=E,3540μm,0.5s					
BOB			AML	AML	
comp=N,2800μm,0.9s					
BOB			AML	AML	
comp=E,3375μm,0.5s					
BOB			AML	AML	
comp=N,2695μm,0.9s					
FIVI	Fivizzano	0.45 172	P	Pb	17 20 11.9 -0.2
FIVI			S	Sb	17 20 19.0 +0.6
FIVI	Fivizzano	0.45 172	P	Pb	17 20 11.6 -0.5
FIVI			S	Sb	17 20 18.9 +0.5
GSCL	Gusciola	0.51 130	P	Pb	17 20 13.0 -0.3
GSCL			S	Sb	17 20 21.7 -1.2
GSCL	Gusciola	0.51 130	P	Pb	17 20 13.0 -0.3
GSCL			S	Sb	17 20 21.4 +1.1
EQUI	Equi	0.52 171	P	Pb	17 20 12.4 -1.0
EQUI			S	Sb	17 20 20.9 +0.4
EQUI	Equi	0.52 171	P	Pb	17 20 12.8 -0.6
EQUI			S	Sb	17 20 20.8 +0.3
comp=N,720μm,1.5s					
EQUI			AML	AML	
comp=E,807μm,0.4s					
EQUI			AML	AML	
comp=N,720μm,0.5s					
MSSA	Maissana	0.53 226	P	Pb	17 20 13.1 -0.4
MSSA			S	Sb	17 20 21.4 +0.7
MSSA	Maissana	0.53 226	P	Pb	17 20 13.2 -0.4
MSSA			S	Sb	17 20 21.1 +0.4
comp=N,821μm,1.4s					
MSSA			AML	AML	
comp=E,1105μm,0.4s					
MSSA			AML	AML	
comp=N,822μm,1.4s					
MSSA			AML	AML	
comp=E,1105μm,1.6s					
MSSA			AML	AML	
comp=N,822μm,0.6s					
GORR	Correto	0.54 262	P	Pb	17 20 13.7 -0.1
GORR			S	Sb	17 20 22.7 -1.0
GORR	Correto	0.54 262	P	Pb	17 20 13.7 -0.1
GORR			S	Sb	17 20 22.4 +1.2
comp=E,987μm,1.3s					
GORR			AML	AML	
comp=N,1505μm,1.3s					
GORR			AML	AML	
comp=E,987μm,0.7s					
GORR			AML	AML	
comp=N,1505μm,0.7s					
GORR			AML	AML	
GORR	Sassorosso	0.54 262	P	Pb	17 20 13.7 -0.1
GORR			S	Sb	17 20 23.3 -0.8
GORR	Sassorosso	0.54 262	P	Pb	17 20 22.5 +0.7
GORR			S	Sb	17 20 13.4 -0.8
GORR			S	Sb	17 20 22.2 +0.5
comp=N,2085μm,1.2s					
SARO			AML	AML	
comp=N,2085μm,0.8s					
SARO			AML	AML	
comp=E,2130μm,0.5s					
VLC	Villacollemand	0.58 155	P	Pb	17 20 13.8 -0.6

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VLC	Villacollemand	0.58 155	S	Sb	17 20 23.4 -1.1
VLC			P	Pb	17 20 13.8 -0.6
VLC			S	Sb	17 20 22.7 +0.5
comp=E,611μm,1.1s					
VLC			AML	AML	
comp=N,782μm,0.7s					
VLC			AML	AML	
comp=N,756μm,1.2s					
VLC			AML	AML	
comp=E,611μm,0.9s					
VLC			AML	AML	
comp=E,654μm,1.1s					
VLC			AML	AML	
comp=N,756μm,0.8s					
PLMA	Palmaria, Port	0.65 193	P	Pb	17 20 15.0 -0.5
PLMA			AML	AML	
comp=E,437μm,0.5s					
PLMA			AML	AML	
comp=N,670μm,1.6s					
PLMA			AML	AML	
comp=N,670μm,0.4s					
SBPO	S. Benedetto Po	0.72 59	P	Pb	17 20 17.3 -0.4
CARD	Cardoso	0.73 154	P	Pb	17 20 16.2 -0.7
CARD			S	Sb	17 20 26.5 +0.1
CARD	Cardoso	0.73 154	P	Pb	17 20 16.1 -0.8
CARD			P	Pb	17 20 16.4 -0.6
BDI	Bagni Di Lucca	0.73 147	P	Pb	17 20 16.5 -0.6
BDI			S	Sb	17 20 28.3 -0.2
comp=E,752μm,0.3s					
BDI			AML	AML	
comp=E,279μm,0.9s					
BDI			AML	AML	
comp=N,310μm,0.7s					
BDI			AML	AML	
comp=N,310μm,1.3s					
BDI			AML	AML	
comp=E,752μm,0.3s					
BDI			AML	AML	
comp=E,279μm,1.1s					
BDI			AML	AML	
comp=N,681μm,0.4s					
ZCCA	Zocca	0.74 116	P	Pb	17 20 18.6 +0.5
ZCCA			P	Pb	17 20 17.8 -0.3
ZCCA			AML	AML	
comp=N,932μm,0.5s					
ZCCA			AML	AML	
comp=N,1026μm,0.6s					
ZCCA			AML	AML	
comp=N,1025μm,0.6s					
ZCCA			AML	AML	
comp=E,1010μm,0.5s					
ZCCA			AML	AML	
comp=N,1038μm,0.6s					
A313A	Volta Mantovan	0.77 35	P	Pb	17 20 17.9 +0.3
RNCA	Ronca, Sant'OI	0.81 255	P	Pb	17 20 18.6 -0.3
RNCA			S	Sb	17 20 30.1 -0.1
RNCA	Ronca, Sant'OI	0.81 255	P	Pb	17 20 18.6 +0.3
RNCA			S	Sb	17 20 30.5 +0.3
POPM	Popiglio	0.82 141	P	Pb	17 20 18.2 -0.2
POPM			S	Sb	17 20 18.2 -0.3
POPM	Popiglio	0.82 141	P	Pb	17 20 18.2 -0.2
POPM			S	Sb	17 20 30.6 +0.2
SARZ	Sarezano	0.83 283	P	Pb	17 20 19.7 +0.5
MAIM	Mastiano	0.83 157	P	Pb	17 20 18.5 -0.2
MAIM			AML	AML	
comp=E,523μm,0.4s					
MAIM			AML	AML	
comp=N,302μm,0.6s					
MAIM			AML	AML	
comp=E,523μm,1.6s					
MTCR	Monte La Croce	0.95 133	P	Pb	17 20 20.8 0.0
MTCR			P	Pb	17 20 20.8 +0.1
MTCR			S	Sb	17 20 34.6 +0.8
comp=N,814μm,0.9s					

1921

Table with columns for station name, frequency, power, and coordinates. Includes stations like GAGG, GBOS, MGRO, etc.

2017 NOV

Table with columns for station name, frequency, power, and coordinates. Includes stations like ROSI, CREF, BNALP, etc.

28d 17h

Table with columns for station name, frequency, power, and coordinates. Includes stations like MEZF, SSF, CONA, etc.

28d 17h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like GUMO Guam, CJC Chichijima, JMW Minamidaito, etc.

2017 NOV

Table with columns: ASAJ, Asahikawa, QZH, Quanzhou, KNMB, Chin-men Tao, LBMI, Labuha, MMPI, Merauke, NJ2, Nanjing, etc.

1922

Table with columns: LYN, LuoYang, QIU, Qiongzhong, QIZ, Qiongzhong, MTN, Manton Dam, BKB, Balikpapan, etc.

28d 17h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H16K Elin, J16K Anvik River, Q16K King Salmon, etc.

2017 NOV

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like KDKA White Mountain, P19K Oil Pt, GCSA Galena City Sc, etc.

1924

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like KTH Kantisna Hill, KTH Kuautonu, I21K Tanana, etc.

28th 17h

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like Liberty, Yreka Blue Hor, Yreka Blue Hor, etc.

2017 NOV

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like North Greenlan, North Greenlan, North Greenlan, etc.

1926

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like Neytrino, Monument Peak, Pine Spring, etc.

1929

Table with columns for station name, coordinates, and data points. Includes stations like ZOU, BUA, LSR, CLUD, MPRI, ACOM, PRED, MYKA, STAL, DRE, CSMI, CADS, MLNI, SABO, OZLJ, FETA, MAGA, RABC, PLIT, CKRC, KHC, PRU, CIMO, and ROM.

2017 NOV

Table with columns for station name, coordinates, and data points. Includes stations like CIMO, GORS, ABTA, VOJS, CSO, KBA, CAE, JAVS, CRNS, TRI, MOZS, VARN, OBKA, LJU, SKDS, LESA, CGRP, CTI, A253A, KNDS, SOKA, BIOA, WTTA, DOSS, SMRN, BRJN, SANKT, MOA, LUSI, MOT, OZLJ, FETA, MAGA, RABC, PLIT, CKRC, KHC, PRU, CIMO, and ROM.

28d 19h

Table with columns for station name, coordinates, and data points. Includes stations like FEMA, CESI, CSP1, GUMA, NRCA, T1221, MM01, ASSB, ATCC, CING, SSFR, ARVD, LNSS, SMA1, and GCMT. Includes detailed text for GCMT and SMA1 stations.

1931

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like PB14 IPOC Station P, PB05 IPOC Station P, GO02 Mina Guanaco, AF01 San Pedro de A, PB04 IPOC Station P, PB09 IPOC Station P, AC01 Pan de Azucar, PB02 IPOC Station P, PB01 IPOC Station P, TA01 Diego Aracena, HMB0 Humbertstone, AC06 Mino Casimiro, PB08 IPOC Station P, GO03 Copiap, YJA Yavi, PB11 IPOC Station P, AC05 El Transito, ALOL LOMAS DE OLMED, LCO Las Campanas.

IDC 28 19:55:00.3, 0.5, 6.74N, 72.96W, h152km, 5km, mb3.2/7, mbtp3.8/10, Error ellipse: s-maj=15.5km s-min=7.1km az=129.0

NEIC 28 19:55:00.8, 2.4, 6.82N, 0.06W, 73.01W, 0.08, h176km, 14km, mb4.0/3, Error ellipse: s-maj=12.1km s-min=8.2km az=106.0

RSNC 28 19:55:02.2, 1.4, 6.81N, 73.15W, h143km, 5km, ML3.7, Mw4.0, Fault plane solution: NPT1.0, 20.00000, 82.5, 0.00000, -1.75, 0.00000

ISC 28 19:55:00.0, 0.6, 6.81N, 0.03W, 73.09W, 0.03, h151km, 5km, n67, +1939/112, mb3.6/8, 5C-7D, Northern Colombia

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like BARC Barichara, PAMC Pamplona, RUSC La Rusia, TAMC Tame, PTBC PUERTO BERRIO, OCAC Ocana, SPBC San Pablo de B.

2017 NOV

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like ZARC Zaragoza, NORC Norcasia, CHIC Chingaza, ROSC El Rosal, HELL Santa Helena, UREC San Jos de Ur, LLIC La Loma 1 Cana, VILC Villavicencio, GUY2 Guayana, PTGC Puerto Gaitan, LLEG La Loma 6 Bece, CBCC Ciudad Bolivar, DBBC Dabeiba, SDV Santo Domingo, ARGC Ariguani, PRAC Prado, ORTC Ortega, APAC Apartado, SJCC San Jacinto, PLMC San Jos del P, LCBG Los Crdobas, CRUC Cerrejon, YOTC Yotoco, SMRC Santa Marta, CAPC Capurgana, PTAC Punta Arditia, BETC Betania, JAMC Jamundi, GARC Garzon, BAUV El Baul, POPC Popayan, FLOC Florencia, BBAC Balboa, GCUF Volcan Galeras, BCIP Isla Barro Colorado, COHC Cochancha, MTJD Mount Denham, GUBY Guantano Bay, ETMB Extrema, SAML Samuel, TEIG Tepic, LPAZ La Paz.

28d 20h

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like PB16 IPOC Station P, TXAR Lajitas Array, PDAR Pinedale Array, NVAR Mina Array Bea, YKA Yellowknife Arr, TORD Torodi Arr, SNAI Sanae, MKAR Makanchi Array, ASAR Alice Springs, WRA Warramunga Arr, NEIC 28 20:44:18.5, IDC 28 20:44:21.7, ISC 28 20:44:18.7, Code, Station Name, Az, El, P, S, Res, Time, Res, ISC, h, m, s, ISC. Includes stations like NIUE Niue, DZM Mont Dzumac, KOUNC Koonce, CTAO Charters Tower, COEN Coen, STKA Stephens Creek, BBOO Buckleboe, WBO Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, KNRA Kunurra, VVDA Vanda, MJAR Matsushiro Arr, GSPA South Pole Q, PETK Petropavlovsk, NVAR Mina Array Bea, O18K Koktuh Hills, J05D Fort Rock, M16K Timber Creek, L16K Ohwah River, M17K Holitna River, K15K Wolf Creek Mou, I07A Izeze, L18K Granite Mount, U15A North Rim, K17K Iditarod, SUA Susitna One, J16K Anvik River, GHO Glory Hole Cre, J18K Innoko River, SCM Sheep Creek Mo, N25K Chitina, Valde, GLB Gilahina Butte, TRF Thorafore Mount, 425A Indio Mountain, TXAR Lajitas Array, CCB Clear Creek Bu, IMAR Indian Mountai, ILAR Indian Array, ILAR Eielson Array, J25K Satcha River, E19K Redstone River, PDAR Pinedale Array, K29M Barlow Dome, E21K Kilik River.

Table with columns: RAFF, comp, AML, AML, Pn, Pn, 21 41 24.1 +1.7, etc. Includes stations like Altamura, Wied Dalam, Tirane, etc.

NOU 28 21:49:56.1, 42.44S, 178.55E, h53km, MLv4.0/8, Off E. Coast of S. Island, N.Z.

WEL 28 21:50:03.0, 0.6, 42.3, 17.8E, h33km, M3.5/21, ML3.8/21, MLv3.5/21, Error ellipse: s-maj=0.0km

ISC 28 21:49:59.7, 2.2, 42.15S, 177.89E, 0.05, h30km, 20km, n90, c0188/113, Off east coast of South Island

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists numerous stations like CPWZ, TRWZ, TMWZ, etc.

Table with columns: MGZ, McQueen's Vall, 4.15 246, P, Pn, 21 51 02.3 +1.3, etc. Includes stations like Makatiti, Rukumara Rang, etc.

AFAD 28 21:53:59.6, 0.0, 36.88N, 27.59E, h7km, 3km, ML3.2, ATH 28 21:53:59.0, 36.90N, 27.67E, h11km, 4km, ML3.5/3, Error ellipse: s-maj=7.4km s-min=2.0km az=274.0

THE 28 21:53:59.9, 36.89N, 27.64E, h9km, 3km, ML3.6/2, Error ellipse: s-maj=3.4km s-min=0.6km az=204.0

ISK 28 21:53:59.6, 36.89N, 27.61E, h7km, ML3.1/18, ISC 28 21:53:59.7, 0.8, 36.89N, 0.02, 27.62E, 0.02, h13km, 5km, n56, c063/81, Dodecanese Islands

Main station list table for 2017 NOV with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists numerous stations like RFTAA, DAT, DAT, etc.

Table with columns: ASAR, Alice Springs, 33.42 246, P, P, 22 05 43.9 +0.8, etc. Includes stations like ILAR, MKAR, ARCES, etc.

IDC 28 22:08:34.8, 6.1, 17.61S, 178.22W, h521km, 66km, mb3.1/6, mbtmp4.1/7, Error ellipse: s-maj=39.9km s-min=30.9km az=144.0

ISC 28 22:08:32.9, 1.0, 17.6S, 0.3, 178.22W, 0.2, h500km, n7, c070/9, mb3.6/6, Fiji Islands region

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

PRE 28 22:20:21.0, 0.7, 26.47S, 27.46E, h2km, ML2.3, BUL 28 22:20:24.6, 1.3, 26.54S, 27.71E, h10km, 16km, MD3.9

EAF 28 22:20:24.6, 26.54S, 27.71E, h26km, MC3.7, ISC 28 22:20:26.1, 3.2, 26.48S, 0.03, 27.60E, 0.04, h13km, 10km, n31, c291/62, South Africa

Main station list table for 28d 22h with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists numerous stations like PRYS, KSR, SNKL, etc.

28d 23h

Table with columns: SUR, Sutherland, 8.34 224, eP, Pn, 22 22 23.4 +2.0, 22 23 52.8 -2.9, 22 24 45.5

NEIC 28 22:25:49.4 ± 1.5, 7.17S; 0.09:126.71E; 0.07, h340km, 10km, mb4.1/5, Error ellipse: s-maj=14.9km s-min=6.2km

ICD 28 22:25:50.5 ± 2.6, 7.28S; 126.52E, h352km, 29km, mb3.1/6, mbmp4.0/9, Error ellipse: s-maj=46.7km s-min=17.4km

ISC 28 22:25:49.5 ± 0.6, 7.29S; 0.06:126.75E; 0.09, h350km, n24, 104/27, mb3.5/8, Banda Sea

Main table for 28d 23h section, listing station names, coordinates, and seismic data for various events.

ICD 28 22:37:44.9 ± 1.0, 55.26N; 166.86E, h0km, mb3.5/10, mbmp3.5/11, ML3.1/1, MS3.2/1, Error ellipse: s-maj=33.5km s-min=15.7km

KRSC 28 22:37:44.3 ± 1.9, 55.10N; 167.01E, h30km, 16km, ML3.9

ISC 28 22:37:47.6 ± 0.8, 55.17N; 0.08:166.94E; 0.06, h19km, n46, 103/46, mb3.5/10, Komandorsky Islands region

Main table for 28d 23h section, listing station names, coordinates, and seismic data for various events.

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Table for 2017 NOV section, listing station names, coordinates, and seismic data for various events.

ICD 28 22:55:51.0 ± 1.8, 16.56S; 178.27W, h0km, mb4.0/5, mbmp4.0/5, Error ellipse: s-maj=110.3km

s-min=26.5km az=149.0, Fiji Islands region

CATAC 28 23:13:19.7 ± 1.0, 13.75N; 91.63W, h12km, 7km, ML3.7, Hypocentre not reviewed by the ISC

NEIC 28 23:13:20.1 ± 1.9, 13.82N; 0.09:91.83W; 0.08, h35km, 2km, mb4.3/43, Error ellipse: s-maj=17.3km s-min=10.3km

GCG 28 23:13:27.3 ± 0.6, 14.37N; 91.52W, h50km, MD4.2

ISC 28 23:13:18.1 ± 1.0, 13.71N; 0.1:91.89W; 0.10, h35km, n79, 103/47, mb4.2/20, Near coast of Guatemala

Main table for 2017 NOV section, listing station names, coordinates, and seismic data for various events.

1934

Main table for 1934 section, listing station names, coordinates, and seismic data for various events.

1939

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like R32A Long Quarter, CBKS Cedar Bluff, etc.

NAO 09 03:20:44.4±2.1, 72.59N-2.74E, ML2.9
BKR 29 03:20:48.1±1.9, 72.77N-2.13E, h6km, 42km, ML1.3
DNC 29 03:20:49.1±2.3, 72.67N-2.85E, h24km, 44km, mb(Pn)4.0, ML2.9(NAO), Confirmed Earthquake
ISC 29 03:20:44.1±0.9, 72.61N-0.06-3.23E, 0.06, h10km, n32, e±284.7, Norwegian Sea

Main table for 1939 with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMC Hornsund, HSB Hornsund, etc.

IDC 29 03:36:11.5±0.6, 25.69S; 13.75W, h0km, mb4.2/15, mbmp4.2/15, MS4.7/61, Error ellipse: s-maj=2.19km s-min=14.9km az=117.0
MOS 29 03:36:12.4±1.8, 25.74S; 13.85W, h10km, mb5.0/17, MS4.7/5, Error ellipse: s-maj=14.2km s-min=9.5km az=55.5

NEIC 29 03:36:14.4, 25.74S; 13.83W, h6km
NEIC 29 03:36:15.0±1.0, 25.65S; 0.1±1.39W; 0.1, h10km, 1km, mb5.0/44, Ms_20 5.0/105, Mw5.4/19, Mw5.5/18, Error ellipse: s-maj=23.6km s-min=18.3km az=163.0, Moment Tensor Solution, Moment tensor: Scale 10^17 Nm; M=0.01; Mxx=0.05; Myy=0.05; Mzz=0.09; Mxy=0.30; Fault plane solution: M1: 68000x10^17, N1: 0±180.65000°, 887.34000°, λ: 169.82000°, NP2: 0±271.13000°, 879.83000°, λ: 2.70000°. Principal axes: T 1.6895, Plg9.0000°, Azm135.0000°; N -0.2030, Plg79.0000°, Azm346.0000°; P -1.6665, Plg5.0000°, Azm226.0000°

NEIC 29 03:36:15.25±64S; 13.86W, h22km
NEIC 29 03:36:15.25±64S; 13.86W, h22km, Moment Tensor Solution, Duration: 30 Moment tensor: Scale 10^17 Nm; M=0.12; Mxx=1.07; Myy=1.20; Mzz=0.45; Mxy=1.55; Mxz=1.05; Fault plane solution: M2: 24000x10^17, N1: 0±162.85000°, 886.72000°, λ: 149.29000°, NP2: 0±70.90000°, 859.35000°, λ: 3.81000°. Principal axes: T 2.2322, Plg19.0000°, Azm293.0000°; N 0.0128, Plg59.0000°, Azm168.0000°; P -2.2450, Plg24.0000°, Azm31.0000°

GCMT 29 03:36:18.0±0.1, 25.72S; 0.01±13.69W; 0.01, h19km, MW5.6/162, Moment Tensor Solution, s119.c202; s162.c297; Duration: 155 Moment tensor: Scale 10^17 Nm; M=0.13±0.4; Mxx=1.29±0.4; Myy=1.42±0.4; Mzz=0.21±0.8; Mxy=2.29±0.3; Mxz=0.56±0.8. Best double couple: M2: 72200x10^17, N1: 0±344.00000°, 884.00000°, λ: 170.00000°, NP2: 0±75.00000°, 881.00000°, λ: 6.00000°. Principal axes: T 2.8440, Plg11.0000°, Azm300.0000°; N -0.2460, Plg79.0000°, Azm135.0000°; P -2.5990, Plg2.0000°, Azm30.0000°. nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function
BGR 29 03:36:28.2, 26.43S; 9.75W, h10km, mb4.7
ISC 29 03:36:14.9±0.3, 25.74S; 0.07±13.85W; 0.06, h15km, n345, 0±187/231, mb4.8/4, MS4.9/131, 26C-9D, Southern Mid-Atlantic Ridge

2017 NOV

Main table for 2017 NOV with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H10S2 ASCENSION HYDR1.6, H10S3 ASCENSION HYDR16.7, etc.

29 03 3h

Main table for 29 03 3h with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like B002 Sierra Bellavi, CO01 Juntas del Tor, etc.

1941

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like ELDTW, TEGC, WARB, etc.

2017 NOV

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like CHN3, CHN3, TAWH, etc.

29d 4h

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like BATI, SOEI, SRBI, etc.

DJA 29 03:43:33.9,0.3,8°S:4.12°0E, h171km,6km, M4.0/10, mb4.2/5, mB6.2/1, MLV4.0/10, Mw(mb)5.9/1
IDC 29 03:43:38.0,2.2,7.90S:120.25E, h197km,16km, mb3.7/5, mb1mp4.1/8, Error ellipse: s:maj=69.8km s-min=8.8km az=53.0
NEIC 29 03:43:39.2,1.9,7.92S:0.08:120.2E:0.1, h211km,8km, mb4.3/13, Error ellipse: s:maj=16.4km s-min=10.7km az=74.0
ISC 29 03:43:37.0,0.6,7.89S:0.08:120.23E:0.10, h201km, m4.0, 1922/37, mb4.0/7, Flores Sea

CATAC 29 04:15:13.8,0.8,8.37N:82.94W, h1km, ML3.3, epicentre not reviewed by the ISC
UCR 29 04:15:15.9,1.4,8.54N:82.91W, h0km, 3km, MW3.7
UPA 29 04:15:17.0,0.8,8.60N:82.91W, h16km, 2km, MW3.4
ISC 29 04:15:16.3,1.1,8.58N:0.03:82.91W:0.03, h7km, 8km, n26, 080/40, 1C-4D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like CDITO, LPPC, MLIR, etc.

29d 5h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like NOR Nord, NOR Nord, NOR Nord, etc.

JMA 29 04:55:58.4+0.1, 22.92N, 0.4+121.7E, 0.6, h29km, MV3.0/13, TAIWAN REGION

TAP 29 04:55:59.2, 22.91N, 121.66E, h17km, ML3.0, C

ISC 29 04:55:57.6, 1.1, 22.90N, 0.03+121.72E, 0.03, h15km, 8km, n67, c079/104, 4D, Taiwan region

Main table for station data with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like LDUT Ludao, LDUT Ludao, CHKT Chengkung, etc.

2017 NOV

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like ALS Alishan, ALS Alishan, MASBT Mashbululo, etc.

IDC 29 05:28:37.1, 2.54+39N, 161.160E, h0km, mb4.1/10, m1m0.4, 0.12, ML3.0, MS3.4/2, Error: ellipse: s-maj=33.4km s-min=19.5km az=107.0

KRSC 29 05:28:40.9, 1.0, 54.15N, 161.70E, h39km, 11km, M4.4

MOS 29 05:28:42.3, 0.6, 54.17N, 161.69E, h37km, mb4.4/1, Error ellipse: s-maj=8.7km s-min=4.6km az=82.1

ISC 29 05:28:42.3, 0.8, 54.16N, 161.72E, 0.05, h39km, 2km, n100, c156/138, mb4.2/11, 1C-3D, Near east coast of Kamchatka Peninsula

Main table for station data with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like MKZ Mys Kozlova, MKZ Mys Kozlova, TUMR Tumrok D, etc.

1942

Main table for station data with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like AVH Avacha, AVH Avacha, AVH Avacha, etc.

1943

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, Time Res, h m s ISC. Includes stations like EOS2, EOS3, EOS3, etc.

2017 NOV

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

29d 6h

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

29D 6h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PTLCL Puerto Leguiza, SIV San Ignacio, etc.

2017 NOV

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

1944

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ABR01 Abrolhos, CMIG Matias Romero, etc.

1945

W52A	Murphy	49.84	352	P	P	06 37 57.6	-0.9
237A	Washetta, Mont	49.88	338	I	A	06 38 22.1	
V61A	Roper	50.01	360	P	P	06 37 59.9	+0.2
V61A				P	P	06 37 59.9	+0.2
Z41A	Richland Creek	50.04	342	P	P	06 38 00.6	+0.6
Z41A				P	P	06 38 00.6	+0.6
V58A	Windy Hill, Pi	50.08	357	P	P	06 37 59.5	-0.7
V58A				P	P	06 37 59.5	-0.7
HPIG		50.11	325	I	A	06 56 34.0	
JCT	Junction City	50.12	333	P	P	06 38 00.5	-0.2
JCT	Junction City	50.12	333	P	P	06 38 00.5	-0.2
JCT				MLR	MLR		
JCT	Junction City	50.12	333	P	P	06 38 01.2	+0.4
JCT	Junction City	50.12	333	P	P	06 38 01.6	+0.8
W50A	Signal Mountai	50.16	350	P	P	06 37 59.3	-1.6
W50A				I	A	06 38 12.3	
W50A	Signal Mountai	50.16	350	P	P	06 38 00.1	-0.8
SLRS	Sierra La Lagu	50.24	319	P	P	06 38 02.1	+0.3
CPCT	Cooper Cave	50.28	351	I	A	06 38 03.4	
CPCT				I	A	07 00 15.6	
OXF	Oxford	50.31	346	I	A	06 38 19.9	
OXF	Oxford	50.31	346	P	P	06 38 00.1	-1.9
OXF				I	A	06 57 53.2	
HOPE	Hope Point	50.36	151	I	A	06 38 09.4	
TKL	Tuckaleechee C	50.38	352	I	A	07 00 58.2	
TKL				I	A	06 07 00 58.2	
TKL	Tuckaleechee C	50.38	352	P	P	06 38 01.4	-1.2
TKL	Tuckaleechee C	50.38	352	LR	LR	07 00 015.9	
PLAL	Pickwick Lake	50.46	347	I	A	06 38 01.6	-1.5
PLAL				I	A	06 38 14.1	
BRDY	Brady	50.48	335	I	A	06 38 13.6	
WHTX	Lake Whitney,	50.48	337	I	A	06 38 03.9	+0.5
WHTX				I	A	06 38 21.1	
WHTX	Lake Whitney,	50.48	337	P	P	06 38 03.5	+0.1
WHTX	Lake Whitney,	50.48	337	P	P	06 38 04.3	+0.9
V52A	Sevierville	50.54	352	I	A	07 01 11.4	
V52A				I	A	07 01 11.4	
V52A	Sevierville	50.54	352	P	P	06 38 02.2	-1.5
U95A	Littleton	50.59	358	I	A	06 38 15.7	
U95A				P	P	06 38 04.0	0.0
U95A	Littleton	50.59	358	P	P	06 38 04.0	0.0
U95A				P	P	06 38 04.0	0.0
V51A	Loudon	50.60	351	I	A	07 00 46.2	
V51A				I	A	07 00 46.2	
V51A	Loudon	50.60	351	P	P	06 38 03.5	-0.7
TREL	Terrell	50.64	338	I	A	06 38 27.6	
U56A	King	50.71	356	I	A	06 38 17.2	
U56A				P	P	06 38 04.9	-0.1
U56A	King	50.71	356	P	P	06 38 04.9	-0.1
SAND	Sanderson	50.73	331	I	A	06 38 18.9	
Z38A	Mt. Pleasant	50.74	340	I	A	06 38 18.4	
LPIG	La Paz	50.77	319	LR	LR	06 54 36.4	
FW13	Cleburne	50.80	337	I	A	06 38 23.3	
PMSA	Palmer Station	50.92	173	eP	P	06 38 08.7	+2.4
PMSA	Palmer Station	50.92	173	LR	LR	06 58 10.8	
V48A	Smith Brothers	50.95	349	I	A	06 38 18.1	
V48A				P	P	06 38 05.6	-1.2
TXAR	Lajitas Array	50.97	329	P	P	06 38 07.4	+0.1
TXAR	Lajitas Array	50.97	329	P	P	06 38 07.7	+0.5
TXAR				LR	LR	06 58 30.3	
TX31	Lajitas Ar, Si	50.98	329	P	P	06 38 08.3	+0.1
U54A	Nelsons Funny	51.01	354	I	A	06 38 14.5	
U54A				P	P	06 38 06.7	-0.6
U54A	Nelsons Funny	51.01	354	P	P	06 38 06.7	-0.6
OZNA	Ozona	51.09	332	I	A	06 38 11.7	
CLTN	Cedars of Leba	51.20	350	I	A	06 38 14.6	
T59A	Double "B" Far	51.20	359	I	A	06 38 20.8	
T59A				P	P	06 38 08.7	+0.1
T59A	Double "B" Far	51.20	359	P	P	06 38 08.7	+0.1
T59A				P	P	06 38 08.7	+0.1
TZTN	Tazewell	51.22	352	P	P	06 38 08.0	-0.8
TZTN	Tazewell	51.22	352	P	P	06 38 08.7	-0.2
FW07	Weatherford	51.24	337	I	A	06 38 22.0	
T57A	Hurt	51.29	357	P	P	06 38 08.9	-0.5
T57A				P	P	06 38 08.9	-0.5
UALR	University of	51.32	343	P	P	06 38 09.2	-0.4
UALR				I	A	06 38 28.1	
FW06	Azie	51.40	337	P	P	06 38 10.9	+0.6
MIAR	Mount Ida	51.47	342	P	P	06 38 09.8	-1.0
MIAR				P	P	06 38 26.7	
MIAR	Mount Ida	51.47	342	P	P	06 38 09.8	-1.0
MIAR				MLR	MLR		
MIAR	Mount Ida	51.47	342	P	P	06 38 10.4	-0.4
MIAR				P	P	06 38 10.5	-0.2
U49A	Red Boiling Sp	51.52	350	P	P	06 38 08.9	-2.2
U49A				I	A	07 02 24.4	
U49A	Red Boiling Sp	51.52	350	P	P	06 38 09.9	-1.2
WVT	Waverly	51.52	348	P	P	06 38 08.5	-2.6
WVT				P	P	06 38 08.5	-2.6
WVT	Waverly	51.52	348	P	P	06 38 08.5	-2.6
WVT				MLR	MLR		
WVT	Waverly	51.52	348	P	P	06 38 09.4	-1.7
WVT				P	P	06 38 09.1	-1.9
ORCD	Orcadas	51.52	361	P	P	06 38 06.7	-4.1
PLPT	Palo Pinto	51.55	336	I	A	06 38 24.2	

2017 NOV

BLA	Blacksburg	51.57	356	I	A	06 38 18.5	
BLA	Blacksburg	51.57	356	P	P	06 38 11.3	-0.3
BLA	Blacksburg	51.57	356	P	P	06 38 11.7	+0.1
Z35A	Perchaven, San	51.60	338	I	A	06 38 29.0	
Z35A	Perchaven, San	51.60	338	P	P	06 38 13.2	+1.5
FW03	Perrin-Whitt E	51.65	337	I	A	06 38 20.0	
WHAR	Woolly Hollow	51.79	343	I	A	06 38 28.8	
ALPN	Alpine	51.81	330	I	A	06 38 28.5	
ALPN				P	P	06 38 14.7	+0.5
ABTX	Abilene, Hawle	51.91	335	P	P	06 38 14.7	+0.5
ABTX	Abilene, Hawle	51.91	335	P	P	06 38 14.7	+0.5
SS7A	Dark Hollow, R	52.03	357	I	A	06 38 27.0	
SS7A				P	P	06 38 14.6	-0.3
SS7A	Dark Hollow, R	52.03	357	P	P	06 38 14.6	-0.3
SS7A				P	P	06 38 15.0	-0.3
X37A	Clayton	52.08	340	P	P	06 38 15.0	-0.3
MNHN	Monahans	52.19	331	I	A	06 38 30.1	
R58B	Mineral	52.20	358	I	A	06 38 28.5	
R58B				P	P	06 38 16.2	+0.1
R58B	Mineral	52.20	358	P	P	06 38 16.2	+0.1
R58B				P	P	06 38 16.2	+0.1
LCAR	Lake Charles	52.22	345	P	P	06 38 15.7	-0.6
LCAR				I	A	06 38 22.8	
LCAR	Lake Charles	52.22	345	P	P	06 38 15.9	-0.4
SS4A	Dingess, Beckl	52.23	355	P	P	06 38 15.6	-0.8
SS4A				I	A	06 38 28.0	
FCAR	Ozark Folk Cen	52.31	344	I	A	06 38 22.7	
SS1A	Beattyville	52.31	353	P	P	06 38 15.8	-1.2
SS1A				P	P	06 38 15.8	-1.2
SS1A	Beattyville	52.31	353	P	P	06 38 15.8	-1.2
SS1A				P	P	06 38 15.8	-1.2
CBN	Corbin Frederi	52.43	359	I	A	06 38 29.5	
CBN	Corbin Frederi	52.43	359	P	P	06 38 17.9	+0.1
WTF5	Wichita Falls	52.45	337	I	A	06 38 30.8	
R55A	Marlinton	52.62	356	I	A	06 38 26.5	
R55A				P	P	06 38 18.0	-1.3
R55A	Marlinton	52.62	356	P	P	06 38 18.0	-1.3
R55A				P	P	06 38 18.0	-1.3
SN01	Snyder I	52.64	334	I	A	06 38 32.4	
PNM0	Poplar Bluff	52.71	346	P	P	06 38 18.8	-1.1
APMT	Aspermont	52.72	335	I	A	06 38 33.2	
PECS	Pecos	52.74	330	I	A	06 38 34.5	
ODSA	Odessa	52.75	332	P	P	06 38 20.0	-0.5
ODSA				I	A	06 38 32.4	
R53A	Hurricane	52.81	354	I	A	06 38 29.9	
R53A				P	P	06 38 20.0	-0.7
R53A	Hurricane	52.81	354	P	P	06 38 20.0	-0.7
R53A				P	P	06 38 20.0	-0.7
425A	Indio Mountain	52.82	329	P	P	06 38 21.6	+0.6
U40A	Yellville	52.94	343	P	P	06 38 21.1	-0.6
U40A				P	P	06 38 21.1	-0.6
R50A	Paris	53.03	352	P	P	06 38 21.0	-1.3
R50A				P	P	06 38 21.0	-1.3
POST	Post	53.08	333	I	A	06 38 35.5	
W35A	Tecumseh	53.10	339	I	A	06 38 41.8	
R49A	Shelbyville	53.16	351	I	A	06 38 32.4	
R49A				P	P	06 38 22.1	-1.2
R49A	Shelbyville	53.16	351	P	P	06 38 22.1	-1.2
R49A				P	P	06 38 22.1	-1.2
USIN	University of	53.26	349	I	A	06 38 35.8	
WC1	Wyandotte Cave	53.28	350	P	P	06 38 22.8	-1.3
WC1				I	A	06 38 33.8	
WC1	Wyandotte Cave	53.28	350	P	P	06 38 22.8	-1.3
WC1				P	P	06 38 22.8	-1.3
WC1	Wyandotte Cave	53.28	350	P	P	06 38 22.8	-1.3
WC1				MLR	MLR		
WC1	Wyandotte Cave	53.28	350	P	P	06 38 23.1	-

29d 6h

Table with columns: Station ID, Name, Frequency, Power, Modulation, SNR, and other metrics. Includes stations like PAL Palisades, ODNJ Ogdenburg, PSDB Penn State Uni, etc.

2017 NOV

Table with columns: Station ID, Name, Frequency, Power, Modulation, SNR, and other metrics. Includes stations like CBKS Cedar Bluff, CBKS Cedar Bluff, CBKS Cedar Bluff, etc.

1946

Table with columns: Station ID, Name, Frequency, Power, Modulation, SNR, and other metrics. Includes stations like ECSD EROS Data Cent, ECSD EROS Data Cent, ECSD EROS Data Cent, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MPMC Manual Prospec, WYMN Ely, ARVC Arvin, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TBI Tubuai, VNA1 Neumayer-Stat, SCHO Scherville, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like VVDA Vanda, VVDA Vanda, PSBE So Bento, etc.

29d 6h

Table with columns for station name, elevation, date, and various performance metrics. Includes stations like BORG Borgarnes, HYT Haines Junctio, N30M Aishkik Lake, etc.

2017 NOV

Table with columns for station name, elevation, date, and various performance metrics. Includes stations like SSB Saint Sauveur, G27K Doyon Strip, E28M Babage River, etc.

1948

Table with columns for station name, elevation, date, and various performance metrics. Includes stations like WATA Walderalm, WTTA Wattenberg, F20K Avarat Lake, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like MLR, NACGM, MTK, MNK, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like CHM, IUG, IUG, BTLS, etc.

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

29d 10h

Table of astronomical observations for 29d 10h, listing station names (e.g., MK31, MKAR), coordinates, and observation times.

2017 NOV

Main table of astronomical observations for 2017 NOV, listing station names (e.g., GNI, STHS, BUR08), coordinates, and observation times.

1952

Table of astronomical observations for 1952, listing station names (e.g., MT08, MT08, MT04), coordinates, and observation times.

1953

Table of astronomical observations for 1953, listing station names, coordinates, and observation details.

2017 NOV

Main table of astronomical observations for 2017 NOV, listing station names, coordinates, and observation details.

29d 10h

Table of astronomical observations for 29d 10h, listing station names, coordinates, and observation details.

29d 13h

Table with columns: Code, Station Name, Az, El, Time, Res, ISC. Includes stations like BBOO Buckleboo, CMAA Meteorol, CRAI Chiang Mai, etc.

IDC 29 12:56:56.4, 10.0, 12.29S, 167.43E, h132km, 86km, mb3.8/9, mbmp3.4/2.9, Error ellipse: s-maj=44.4km s-min=19.0km az=79.0

2017 NOV

Table with columns: Code, Station Name, Az, El, Time, Res, ISC. Includes stations like CTA Charters Tower, MANU Manu Island, COEN Coen, etc.

IDC 29 12:58:48.1, 1.2, 6.83N, 72.99W, h166km, 14km, mb2.8/2, mbmp3.5/4, Error ellipse: s-maj=40.9km s-min=15.4km az=130.0

Table with columns: Code, Station Name, Az, El, Time, Res, ISC. Includes stations like BARC Barichara, PAMC Pamplona, RUSC La Rusia, etc.

1956

Table with columns: Code, Station Name, Az, El, Time, Res, ISC. Includes stations like VILC Villavicencio, PTGC Puerto Gaitan, LLLC La Loma 6 Bece, etc.

MDD 29 13:13:34.6, 0.3, 33.40N, 16.81W, h0km, Mb4.8/23, Mb4.3/25, Error ellipse: s-maj=4.5km s-min=2.1km az=113.0

INMG 29 13:13:40.7,2.3,33.57N,-16.77W,h10km,ML3.3,Error ellipse: s-maj=12.9km s-min=2.5km az=114.0
IGIL 29 13:13:40.7,33.48N,-16.84W,h29km,ML2.9
CNMR 29 13:13:54.5,33.94N,-15.52W,h186km
ISC 29 13:13:32.0,0.9,33.48N,0.05,-16.58W,0.06,h10km,n70, c3=19/83,24C-2D,Madeira Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PMPST	Porto Santo, M	0.45	152	Op	13 13 59.0	
PMPST	Porto Santo, M	0.45	152	IP	13 13 50.3	+5.8
PMPST	Porto Santo, M	0.45	152	eS	13 13 56.7	+8.0
PMAR	Madeira	0.80	200	IP	13 13 53.3	+3.8
PMAR	Madeira	0.80	200	eS	13 14 02.8	+1.2
FUL	Funchal	0.86	198	IP	13 13 54.0	+3.8
FUL	Funchal	0.86	198	eS	13 14 03.9	+1.0
CPUN	Puntallana, La	4.83	192	Pn	13 14 47.3	+2.4
CPUN	Puntallana, La	4.83	192	IP	13 14 48.3	
CPUN	Puntallana, La	4.83	192	SN	13 15 36.5	-4.4
CGOR	Puntagorda, La	4.83	195	Pn	13 14 47.7	+2.8
CGOR	Puntagorda, La	4.83	195	IP	13 14 49.8	
CGOR	Puntagorda, La	4.83	195	SN	13 15 36.6	-4.4
CMIR	El Paso, La Pa	4.89	193	Pn	13 14 47.6	+1.9
CMIR	El Paso, La Pa	4.89	193	IP	13 14 51.7	
CMIR	El Paso, La Pa	4.89	193	SN	13 15 36.7	-5.7
EBAJ	Bajamar	4.92	178	Pn	13 14 48.7	+2.6
EBAJ	Bajamar	4.92	178	IP	13 14 50.5	
EBAJ	Bajamar	4.92	178	SN	13 15 39.6	-3.6
EFAM	Famara	5.06	148	Pn	13 14 53.9	-6.9
EFAM	Famara	5.06	148	IP	13 14 57.2	
EFAM	Famara	5.06	148	SN	13 15 46.4	-0.1
CGUI	Guimar, Teneri	5.14	179	Pn	13 14 52.1	+3.0
CGUI	Guimar, Teneri	5.14	179	IP	13 14 54.1	
CGUI	Guimar, Teneri	5.14	179	SN	13 15 46.0	-2.5
CFOR	Fortaleza, Los	5.14	180	Pn	13 14 52.2	+2.8
CFOR	Fortaleza, Los	5.14	180	IP	13 14 55.9	
CFOR	Fortaleza, Los	5.14	180	SN	13 15 46.9	-2.0
CNOR	Incod de los Vi	5.14	181	Pn	13 15 49.8	+1.2
CNOR	Incod de los Vi	5.14	181	SN	13 15 45.5	-3.2
CDOS	Garachico, Isl	5.17	182	Pn	13 14 52.0	+2.4
CDOS	Garachico, Isl	5.17	182	IP	13 14 55.7	
CDOS	Garachico, Isl	5.17	182	SN	13 15 46.1	-3.3
CCAN	Las Canadas	5.23	180	Pn	13 14 52.6	+2.0
CCAN	Las Canadas	5.23	180	IP	13 14 53.0	
CCAN	Las Canadas	5.23	180	SN	13 15 49.0	-2.1
CADE	Adeje, Tenerif	5.30	182	Pn	13 14 53.3	+2.0
CADE	Adeje, Tenerif	5.30	182	SN	13 15 49.1	-3.4
CVIL	Vilaflor	5.30	181	Pn	13 14 53.8	+2.4
CVIL	Vilaflor	5.30	181	SN	13 15 51.3	-1.3
CFUE	Fuerteventura	5.32	154	Pn	13 14 56.1	+4.6
CFUE	Fuerteventura	5.32	154	IP	13 14 59.9	
CFUE	Fuerteventura	5.32	154	SN	13 15 51.1	-1.8
EGOM	La Gomera	5.33	186	Pn	13 14 52.5	+0.9
EGOM	La Gomera	5.33	186	IP	13 14 56.5	
EGOM	La Gomera	5.33	186	SN	13 15 47.6	-5.4
CGRA	Granadilla de	5.35	180	Pn	13 14 54.5	+2.5
CGRA	Granadilla de	5.35	180	IP	13 14 56.5	
CGRA	Granadilla de	5.35	180	SN	13 15 50.7	-3.1
GCG	Guia, Gran Can	5.40	171	Pn	13 15 50.9	+3.2
GCG	Guia, Gran Can	5.40	171	IP	13 15 00.9	
GCG	Guia, Gran Can	5.40	171	SN	13 15 52.8	-2.1
EOSO	Osorio	5.46	170	Pn	13 14 56.6	+3.1
EOSO	Osorio	5.46	170	SN	13 15 54.1	-1.6
EOSO	Osorio	5.46	170	SN	13 15 56.6	+0.2
EOSO	Osorio	5.46	170	SN	13 14 58.0	+4.4
CFTV	Fuerteventura	5.48	156	Pn	13 14 52.4	+4.4
CFTV	Fuerteventura	5.48	156	IP	13 15 02.4	
CFTV	Fuerteventura	5.48	156	SN	13 15 55.8	-1.2
CGIN	Ginigimamar, F	5.67	157	Pn	13 15 00.6	+4.2
CGIN	Ginigimamar, F	5.67	157	IP	13 15 02.6	
CGIN	Ginigimamar, F	5.67	157	SN	13 15 59.0	-2.6
CJUL	El Julian, El H	5.87	193	Pn	13 15 01.5	+2.2
CJUL	El Julian, El H	5.87	193	IP	13 15 04.5	
CJUL	El Julian, El H	5.87	193	SN	13 16 03.8	-2.8
CMCL	Mercadel, El H	5.88	193	Pn	13 15 01.1	+1.8
CMCL	Mercadel, El H	5.88	193	IP	13 15 05.8	
CMCL	Mercadel, El H	5.88	193	SN	13 16 04.0	-2.8
PFVI	Vila Bisbo	7.32	58	Pn	13 15 24.7	+5.8
PFVI	Vila Bisbo	7.32	58	eS	13 16 38.8	-3.2
PFVI	Vila Bisbo	7.32	58	A	13 16 47.7	
PFVI	Vila Bisbo	7.32	58	P	13 15 23.5	+4.5
PFVI	Vila Bisbo	7.32	58	Pn	13 16 38.2	-3.8
PFVI	Vila Bisbo	7.32	58	SN	13 15 25.2	+6.3
SRHM	Skhour des Reh	7.37	95	Pn	13 15 29.8	+3.3
SRHM	Skhour des Reh	7.37	95	S	13 16 43.3	-0.1
MORF	Marmelete	7.52	57	Pn	13 15 25.1	+3.3
MORF	Marmelete	7.52	57	eS	13 16 43.6	-3.5
MORF	Marmelete	7.52	57	A	13 16 53.6	
MORF	Marmelete	7.52	57	eP	13 15 27.9	+6.1
MORF	Marmelete	7.52	57	eS	13 16 46.0	-1.1
MORF	Marmelete	7.52	57	IAML	13 16 48.6	
PTEO	Sao Teotonio	7.59	55	Pn	13 15 30.1	+7.5
PTEO	Sao Teotonio	7.59	55	eS	13 16 45.5	-3.1
PTEO	Sao Teotonio	7.59	55	A	13 16 54.5	
AVER	Averroes	7.67	89	P	13 15 31.6	+7.8
AVER	Averroes	7.67	89	S	13 16 33.0	+2.2
AVER	Averroes	7.67	89	SN	13 16 52.1	+1.3
AVER	Averroes	7.67	89	Pn	13 15 32.2	+8.4
OUK	Oukaimeden	7.71	105	Pn	13 15 33.1	+8.4
OUK	Oukaimeden	7.71	105	S	13 16 52.4	0.0
VPORT	Vila do Porto	7.82	299	Pn	13 15 26.4	+0.6
VPORT	Vila do Porto	7.82	299	IP	13 15 29.9	
VPORT	Vila do Porto	7.82	299	SN	13 16 45.6	-8.9
PBDV	Barranco-do-Ve	8.00	60	Pn	13 15 35.4	+7.0
PBDV	Barranco-do-Ve	8.00	60	eS	13 16 55.4	-3.6
PBDV	Barranco-do-Ve	8.00	60	A	13 17 07.5	
PNCL	Nicolau / Gran	8.01	52	Pn	13 15 35.5	+7.0
PNCL	Nicolau / Gran	8.01	52	eS	13 16 55.0	-4.1
PNCL	Nicolau / Gran	8.01	52	A	13 17 05.3	
PNCL	Nicolau / Gran	8.01	52	Pn	13 15 35.3	+6.8
PNCL	Nicolau / Gran	8.01	52	eS	13 16 55.2	-4.7
PNCL	Nicolau / Gran	8.01	52	A	13 16 59.7	
MESJ	Messejana	8.08	55	Pn	13 15 36.7	+7.3
MESJ	Messejana	8.08	55	eS	13 16 56.6	-4.2
MESJ	Messejana	8.08	55	A	13 17 07.8	
MESJ	Messejana	8.08	55	eP	13 15 35.4	+6.0
MESJ	Messejana	8.08	55	eS	13 16 58.5	-2.3
MESJ	Messejana	8.08	55	IAML	13 17 04.2	
PCVE	Castro Verde	8.10	57	Pn	13 15 36.8	+7.1
PCVE	Castro Verde	8.10	57	eS	13 16 57.7	-3.7
PCVE	Castro Verde	8.10	57	A	13 17 07.3	
PCVE	Castro Verde	8.10	57	Pn	13 15 36.3	+6.6
PVAQ	Vaqueiros	8.23	59	eS	13 17 00.8	-3.7
TIO	Tiouine	8.30	105	Pn	13 15 41.6	+9.1
TIO	Tiouine	8.30	105	SN	13 17 06.6	+0.2
ZHG	ZHG	8.31	87	S	13 15 40.0	+7.4
ZHG	ZHG	8.31	87	SN	13 17 03.8	-2.7
EGRO	El Granado	8.45	59	Pn	13 15 41.0	+6.5
EGRO	El Granado	8.45	59	IP	13 15 42.4	
EGRO	El Granado	8.45	59	SN	13 15 42.4	

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
EGRO	El Granado	8.45	59	Pn	13 15 42.4	
EGRO	El Granado	8.45	59	IP	13 15 42.4	
EGRO	El Granado	8.45	59	SN	13 15 42.4	
OZUM	Ouz	8.71	104	P	13 15 47.0	+8.8
OZUM	Ouz	8.71	104	S	13 17 17.1	+0.6
OZUM	Ouz	8.71	104	SN	13 15 44.9	+5.3
Montargil	Montargil	8.76	48	eS	13 17 11.8	-5.6
Montargil	Montargil	8.76	48	A	13 17 19.2	
Montargil	Montargil	8.76	48	SN	13 17 11.8	-5.6
comp=N,5.3nm,0.5s	comp=N,5.3nm,0.5s					
PESTR	Estremoz	9.04	51	eS	13 17 23.0	-1.5
PESTR	Estremoz	9.04	51	A	13 17 47.8	
PESTR	Estremoz	9.04	51	SN	13 17 23.0	-1.5
comp=N,4.2nm,0.6s	comp=N,4.2nm,0.6s					
PBAR	Barrancos	9.06	56	eP	13 15 49.9	+7.1
PBAR	Barrancos	9.06	56	eS	13 17 20.2	-4.6
PBAR	Barrancos	9.06	56	A	13 17 28.7	
comp=N,5.0nm,0.7s	comp=N,5.0nm,0.7s					
PBAR	Barrancos	9.06	56	Pn	13 15 49.4	+6.5
EMIN	Mina Concepcio	9.13	59	Pn	13 15 49.5	+5.7
EMIN	Mina Concepcio	9.13	59	IP	13 15 52.2	
EMIN	Mina Concepcio	9.13	59	SN	13 15 52.2	
comp=N,229nm,SNR=1.7	comp=N,229nm,SNR=1.7					
EMIN	Mina Concepcio	9.13	59	Pn	13 17 23.2	-3.5
EMIN	Mina Concepcio	9.13	59	IP	13 15 49.3	+5.5
EMIN	Mina Concepcio	9.13	59	SN	13 17 23.9	-2.8
EBAD	Badajoz	9.36	53	Pn	13 15 52.6	+5.6
EBAD	Badajoz	9.36	53	IP	13 15 57.3	
EBAD	Badajoz	9.36	53	SN	13 15 52.6	+5.6
comp=N,218nm,SNR=1.5	comp=N,218nm,SNR=1.5					
EBAD	Badajoz	9.36	53	Pn	13 17 29.0	-3.3
EBAD	Badajoz	9.36	53	IP	13 15 52.8	+5.8
EBAD	Badajoz	9.36	53	SN	13 17 28.5	-3.9
ESPER	Espera	9.41	66	Pn	13 15 53.7	+6.1
ESPER	Espera	9.41	66	IP	13 15 58.3	
ESPER	Espera	9.41	66	SN	13 15 58.3	
comp=N,185nm,SNR=0.9	comp=N,185nm,SNR=0.9					
ESPR	Marv??o	9.49	49	eP	13 17 30.3	-3.3
PMRV	Marv??o	9.49	49	eS	13 15 53.2	+4.4
PMRV	Marv??o	9.49	49	A	13 17 30.0	-5.5
PMRV	Marv??o	9.49	49	Pn	13 17 47.7	
comp=N,3.7nm,0.6s	comp=N,3.7nm,0.6s					
IFR	Ifrane	9.57	87	Pn	13 15 56.7	+6.7
IFR	Ifrane	9.57	87	SN	13 17 38.8	+1.1
MD31	MD31	9.93	90	P	13 16 02.0	+7.2
MD31	MD31	9.93	90	S	13 17 41.5	-5.0
MDT	Midelt	10.06	90	S	13 16 04.2	+7.4
MDT	Midelt	10.06	90	SN	13 17 44.2	-5.5
ECAB	El Cabril	10.16	60	Pn	13 16 03.8	+5.8
ECAB	El Cabril	10.16	60	IP	13 16 05.0	
ECAB	El Cabril	10.16	60	SN	13 17 47.0	-5.1
comp=N,152nm,SNR=1.4	comp=N,152nm,SNR=1.4					
ECAB	El Cabril	10.16	60	Pn	13 16 03.8	+5.7
ECAB	El Cabril	10.16	60	SN	13 17 49.0	-3.0
EADA	Adamuz	10.81	61	Pn	13 16 12.4	+5.5
EADA	Adamuz	10.81	61	SN	13 18 03.9	-4.0
JBK	JBK	11.68	82	P	13 16 24.0	+5.1
JBK	JBK	11.68	82	SN	13 18 19.5	-1.0
JBK	JBK	11.68	82	SN	13 20 42.6	+1.5
NACGM	Naroch	36.95	41	eP	13 20 42.6	+1.5
comp=N,2um,0.8s,baz=252	comp=N,2um,0.8s,baz=252				</	

29d 13h

Table with columns: Code, Station Name, Az, Azo, Phase, I, Time, Res, h, m, s, ISC. Includes stations like KURK Kurchatov, ARU Arti, BELG Belogoroye, etc.

NEIC 29 13:34:16.9±0.9, 5.16N±0.09, 94.2E±0.1, h45km, 10km, mb4.4/21, Error ellipse: s-maj=16.0km s-min=13.1km az=65.0

IDC 29 13:34:16.7±4.0, 5.11N±94.20E, h52km±36km, mb4.0/21, mbtmp4.3/23, ML4.5/2, MS3.4/18, Error ellipse: s-maj=28.0km s-min=13.8km az=48.0

DJA 29 13:34:21.1±0.8, 5.1N±3.9, 95E±1.1, h45km±6km, M4.6/10, mb6.1/2, mb4.9/10, ML4.0/5, Mw(mb)5.7/2

ISC 29 13:34:19.0±0.5, 5.08N±0.07, 94.17E±0.07, h34km, n100, ±1840/78, mb4.4/32, MS3.5/15, 1C, Northern Sumatera

Main station list table for 29d 13h, including stations like MSLI Meulaboh, LHMI Lhok Sumawe, KCSI Kotacane, etc.

2017 NOV

Table with columns: Code, Station Name, Az, Azo, Phase, I, Time, Res, h, m, s, ISC. Includes stations like GEYT Alibeck, JMN Monobe, WBO Warrungama Arr, etc.

IDC 29 13:58:50.5±1.1, 21.57N±122.27E, h0km, mb3.5/6, mbtmp3.6/8, ML3.6/2, MS2.8/2, Error ellipse: s-maj=32.9km s-min=20.8km az=72.0

JMA 29 13:58:54.7±0.3, 22°N±1°21'39.1E±0.6, h75km, MW4.1/18, TAIWAN REGION

TAP 29 13:58:54.3±1.2, 67N±121.93E, h40km, ML3.8, D ISC 29 13:58:54.4±1.4, 21.56N±105.05E±121.95E±0.03, h25km±10km, n155, ±142/196, mb3.6/5, Taiwan region

Main station list table for 2017 NOV, including stations like LYUB Lan-yu, LYAB Lan-yu, LAY Lan-yu, etc.

1958

Main station list table for 1958, including stations like ECL Taimali, ECL Tainan, TTN Tainan, etc.

1959

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like NACB, WHF, ETLH, WCS, EOSS, WDGJ, WDTG, WRL, TWT, TDCU, EOSS, ENA, WHP, EWUT, NNSB, VCHM, NNS, PHUB, LATG, TWQ1, PNG, JYNG, HATJ, HATJ, TWC, WDJ, NSY, YOJ, YOJ, YOJ, NDT, ENT, YHNB, YHNB, NSK, NFF, NFF, NMLH, TWE, NSTT, LIOB, LIOB, FUSB, FUSB, IRIF, NWLT, JKRS, TIPB, TATO, JIJ, SX1, YM01, JISG, JISG, JIJ, JIJ, VVUC, VVUC, KNMB, JIRB, JIRB, JIMJ, JIMJ, JIKM, JIKM, MATB, AXDP, MHZO, MHZO, LHJQ, LPXS, JOW, KSRS, MJAR, CMAR, GUMO, MKAR, H1N1, H1N2, H1N3, H1S3, H1S1, H1S2, ZALV, WRA.

2017 NOV

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like KURBB, ASAR, SJA, GUC, Code, Station Name, Frequency, Power, Mode, and other details. Includes stations like AROD, ROCH, ROCH, ROCH, ROC1, ACCO, RTLS, ACV, AUSP, MT02, PEL, PEL, ZON, FCH, MT09, MT09, ASAL, AGUA, MT01, MT01, AAGR, VCA, AVFE, ACHE, IDC, ISC, Code, Station Name, Frequency, Power, Mode, and other details. Includes stations like NNA, NNA, NNA, NNA, ATAH, ATAH, ATAH, LPAZ, LPAZ, LPAZ, LVC, LVC, LVC, COHC, SIV, H03N1, H03N2, H03N3, GUY2C, NORSC, RUSC, PTBC, CPUP, CPUP, SDV, PCRV, BDFB, MDP, RPN, RCBR, TXAR, NVAR, SNAJ, DBIC, GSPA, GSPA, TORO.

29d 14h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other details. Includes stations like YKA, URZ, LBTB, ILAR, LSZ, H1N1, H1N2, H1N1, H1S2, H1S1, H1S3, WRA, ZALV, SONM, IDC, NEIC, ISC, Code, Station Name, Frequency, Power, Mode, and other details. Includes stations like LIFNC, KOUNC, MARNC, DZM, DZM, DZM, ONTNC, OUENC, HNR, HNR, HNR, HNR, PINNC, PMNG, CTA, CTA, CTAO, CTAO, ARMA, RTZ, BFZ, BFZ, STKA, STKA, STKA, WRO, WRO, WRA, WRA, AS31, ASAR, ASAR, ASAR, RAR, BBOO, BBOO, FORT, NWAO, NWAO, MORJ, MORJ, JNU, KRSR, VVND, VVND, VVND, SBA, SBA, USRK, PETK, CMAR, MA2, GSPA, GSPA, M16K, M16K, K15K, SONM, J18K, J18K, J19K, J19K, F17K, F17K, G19K, G19K, E18K, E18K, IMAR, IMAR, E19K, E19K.

29d 15h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like C18K Utukok River, ILAR Eielson Array, D19K Kuna River, MKAR Makanchi Array, ZALV Zalesovo Beam, ARCES ARCESS Array B, FINES FINES Array B, NOA NORSTAR Array, ESDC Sonseca Array.

KRSC 29 15:04:41.0±0.2, 2.5376N, 168.79E, h30km, 26km, MI3.6, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BKI Bering, TUMD Tumrok D, BZGR Bezymyanni-Gr, TUMR Tumrok, KMNR Kamenistaya, SMAR Somma, KRX Arik, KOK Koryaka, GRL Gorelyy.

NAO 29 15:02:12.9±0.7, 76.94N, 15.62E, h3km, 4km, ML3.5
BER 29 15:02:14.0±0.2, 76.94N, 15.91E, h1km, 17km, ML3.0,
ML3.5(NAO), Confirmed Earthquake
IEPN 29 15:02:15.0, 76.87N, 15.90E, h10km
KOLA 29 15:02:23.1, 76.62N, 17.14E, h0km, ML2.4, Error ellipse:
s-maj=58.0km s-min=21.6km az=60.0,
Spitsbergen, Barents Sea

ISC 29 15:02:11.7±1.1, 76.38N, 0.04±16.02E±0.05, h8km, 8km, n30, c2±15/58, Svalbard region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HSPB Hornsund (broa), BRBA Barentsburg A, BRBB Barentsburg B, SPA0 Spitsbergen Ar, KBS Kingsbay, BJ01 Bjornoya, HAMF Hammerfest, ZF12 Zemlya Franca, OMEGA Omega, JETT Jettan, Norway, VADS Vadsø, KEV Kevo, ARAO ARCESS Array S, ARCS ARCESS Array B, KIF Kilpisjarvi, DBG Daneborg, APA0 Apatity Array, NARN Naryn, TARG Taragay, ULHL Ulahol, ULHL Ulahol.

KRNET 29 15:03:03.6±0.1, 39.88N, 77.32E, mb3.3
SOME 29 15:03:04.4, 40.00N, 77.25E, h5km
NINC 29 15:03:06.6±1.1, 40.03N, 77.30E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=7.9km s-min=5.7km az=160.0
ISC 29 15:03:06.3±1.6, 39.94N, 0.07±77.24E±0.04, h10km, n78,
c154/99, 37C-16D, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NRN Naryn, TARG Taragay, ULHL Ulahol, ULHL Ulahol.

2017 NOV

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ULHL baz=41, KZA Kyzart, PRZ Przewalsk, BOOM Booskoye usch, ANVS Anan'yev, ANVS Anan'yev, SFK Suifi-Kurgan, ARLS Aral, UCH Uchur, TNSN Tian-Shan, TNSN Tian-Shan, TNSN Medeo, MDOK Medeo, MDOK Medeo, MDOK Medeo, TKM2 Tokmak 2, SATY Saty, SATY Saty, KST Kastek, KST Kastek, MTBS Maitube, KNDC Almaty, KOTS Kotrybulak, KOTS Kotrybulak, KASK Kaskien, ZHN Zhisniske, ZHN Zhisniske, AAK Ala-Archa, AAK Ala-Archa, AML Almayashu, AML Almayashu, AML Almayashu, UZB Uzunbulak, UZB Uzunbulak, UZB Uzunbulak, FRU1 Bishkek, DGS Degeres, DGS Degeres, DGS Degeres, ARSB Arslanbob, ARSB Arslanbob, CHMS Chumysh, CHMS Chumysh, KURS Kurum, KURS Kurum, SHLS Shalkode, SHLS Shalkode.

1960

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SHLS Shalkode, SHLS Shalkode, KPKS Kokpek, KPKS Kokpek, EK2S Erkin-Say, EK2S Erkin-Say, PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye, PDGK Karatobe, PDGK Karatobe, USP Osenovka, USP Osenovka, CHKK Chushkaly, CHKK Chushkaly, CHKK Chushkaly, KUU Kurty, KUU Kurty, KUU Kurty, SGDS Sogindy, SGDS Sogindy, MRKS Merke, MRKS Merke, MRKS Merke, KTMS Ketme, KTMS Ketme, KTMS Ketme, BLB Baldybastay, BLB Baldybastay, ARXS Arharly, ARXS Arharly, ARXS Arharly, MNAS Manas, MNAS Manas, KNOS Konyrien, KNOS Konyrien, DJR Jarkent, DJR Jarkent, DJR Jarkent, TRKS Terek-Say, TRKS Terek-Say, BTLS Baital, BTLS Baital, BTLS Baital, KK31 Karatay Array, KK31 Karatay Array.

IDC 29 15:13:35.5±3.9, 10.80S, 165.81E, h72km, 33km, mb3.5/5,
mbmp3.8/6, ML5.0/2, Error ellipse: s-maj=31.7km
s-min=26.6km az=32.0

ISC 29 15:13:34.2±1.2, 10.9S, 0.1±165.9E, h61km, n8,
c185/29, mb3.7/5, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HNR Honiara, HNR Honiara, DZM Mont Dzumac, DZM Mont Dzumac, CTA Charters Tower, CTA Charters Tower, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, ILAR Eielson Array, ILAR Eielson Array, MKAR Makanchi Array, MKAR Makanchi Array.

IDC 29 15:16:27.3±1.2, 39.82N, 75.91E, h0km, mb3.5/7,
mbmp3.6/12, ML3.1/4, MS3.2/5, Error ellipse:
s-maj=25.4km s-min=14.8km az=65.0
KRNET 29 15:16:32.4±0.1, 40.19N, 75.95E, h15km, mb4.2
MOS 29 15:16:32.7±0.9, 39.92N, 76.11E, h31km, mb4.3/5, Error
ellipse: s-maj=7.8km s-min=4.0km az=88.8
SOME 29 15:16:32.2, 40.28N, 75.92E, h10km, MS3.3
NINC 29 15:16:33.4±0.9, 40.24N, 75.96E, h2km, 10km, mb4.3,
mpv4.0, Error ellipse: s-maj=6.7km s-min=4.1km az=169.0

1961

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KASHI, NARYN, SFK, KYZART, etc.

2017 NOV

Table with columns: MTBS, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MAITUBE, ERKIN-SAY, DGS, etc.

29d 15h

Table with columns: KPKS, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KOKPEK, TEREK-SAY, SHLS, etc.

29d 15h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, h, m, s, ISC. Includes stations like DANN Dangsing, GKN Gorkha, AB31 Akbulak array, etc.

NEIC 29 15:18:06.3+0.4, 36.01N, 0.01, 97.93W, 0.01, h5km, 3km, Error ellipse: s-maj=1.8km s-min=1.6km az=195.0

TUL 29 15:18:05.9+0.4, 36.02N, 0.01, 97.93W, 0.01, h6km, 1km, ML2.8, mb_Lg2.8/63(NEIC), ML2.9/58(NEIC), Error ellipse: s-maj=1.7km s-min=1.6km az=214.0, Oklahoma

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, h, m, s, ISC. Includes stations like OK029 Liberty Lake, CROK Carrier, ADOK Arcadia Dam, etc.

2017 NOV

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, h, m, s, ISC. Includes stations like KAN10, KAN101 Argonia, KAN09 Caldwell North, etc.

ISN 29 15:31:06.8+0.6, 34.72N, 46.20E, h18km, 4km, ML3.6, IDC 29 15:31:08.3+1.2, 34.46N, 46.10E, h0km, mb3.8/10, mbmp3.8/14, ML3.3/4, MS2.8/1, Error ellipse: s-maj=22.6km s-min=15.9km az=168.0

TEH 29 15:31:08.8, 34.54N, 46.18E, h8km, 35km, ML3.6, AZER 29 15:31:11.3, 1.4, 34.56N, 46.42E, h2km, Error ellipse: s-maj=14.7km s-min=8.9km az=68.0

OMAN 29 15:31:17.0, 2.5, 33.68N, 46.28E, h10km, mb4.1/14, Error ellipse: s-maj=35.4km s-min=19.1km az=13.0

ISC 29 15:31:09.0, 1.1, 34.43N, 0.03, 46.16E, 0.03, h10km, 7km, n84, c23/104, mb3.79, Western Iran

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, h, m, s, ISC. Includes stations like IDHR Dehrash, IGHG Ghaleghazi, KGS1 Ghas-e-Shirin, etc.

1962

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, h, m, s, ISC. Includes stations like IRAZ Razeghan, ISRB Sarab, AMIS Naft Sefid, etc.

29d 16h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like 742A Van Buren, JCT Junction City, OZNA Ozona, etc.

GUC 29 16:35:03.2,0.8,32.295:68.85W,h133km,38km,ML4.9 SJA 29 16:35:03.5,0.9,32.265:68.69W,h120km,3km,ML4.5, MW4.7

IDC 29 16:35:03.6,0.6,32.295:68.59W,h113km,5km,18.4,5/17, mbmp4.8/20, Error ellipse: s-maj=15.2km s-min=10.8km az=85.0

NEIC 29 16:35:04.1,1.6,32.265:0.05:68.63W,0.08,h117km,3km, mb4.9/243,Mwr4.8/62,ML4.9(GUC), Error ellipse: s-maj=10.5km s-min=6.4km az=102.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mr=1.67; Mw=0.06; Ms=1.60; Mns=0.09; Mns=0.41; Mr=0.13; Fault plane solution: M1:70000*10^16; N1:158.10000*10^16; P:343.44000*10^16; N2:99.92000*10^16; Mw=85000*10^16; A:95.62000*10^16; Principal axes: T 1.7099, Plg2.0000*10^16; Azm104.0000*10^16; N -0.0300, Plg4.0000*10^16; Azm14.0000*10^16; P -1.6798, Plg6.0000*10^16; Azm216.0000*10^16

NEIC 29 16:35:04.2,32.265:68.62W,h119km MW4.9/69, Moment Tensor Solution. s28,c30; s69,c78; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=2.13e-09; Mw=0.72e-14; Ms=1.41e-17; Mns=0.43e-10; Mw=1.44e-18; Mw=0.52e-13; Best double couple: Mw2.45500*10^16 N1:201.0000*10^16; S50.0000*10^16; N-115.0000*10^16; P:656.0000*10^16; A:64.0000*10^16; Principal axes: T 2.5510, Plg2.0000*10^16; Azm308.0000*10^16; N -0.1900, Plg19.0000*10^16; Azm217.0000*10^16; P -2.3590, Plg71.0000*10^16; Azm43.0000*10^16; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 29 16:35:04.0,0.3,32.245:0.03:68.65W,0.04,h121km,2km,h121km;pP-P,n449,e147/407,mb4.9/128,22C-5D,

Mendoza Province

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Lists stations like ASAL Salagasta, ARCO CERRO ARCO, ZON Zonda, etc.

2017 NOV

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Lists stations like MT09 Talagante, CO01 Juntas del Tor, VA01 Torpederas, etc.

1964

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Lists stations like HNDO Hondo, KMSC Kings Mountain, V58A Windy Hill, etc.

Table with columns: PPT, 049A, P46A, T35A, AMTX, AMTX, BLOK, CROK, 048B, 048B, ELIS, ELIS, MAW, MAW, 319A, OK032, P43A, KAN17, OK035, M53A, SFIN, 121A, 121A, BINY, L61B, HRV, ERPA, HDIL, P38A, TUC, ANMO, ANMO, ANMO, LBNH, 214A, PIX, CBKS, T25A, T25A, LONY, TSUM, PKMC, SCIA, SADO, W18A, JFWS, VTX, VTX, KSCO, SDCO, S22A, S22A, TRQ, BOS, WUAZ, MVCO, IKP, BAR, MONP2, BC3, OGNE, IRM, ISCO, SMCO, TPFO, PFO, PFO, E46A, BELC, ECSD, ECSD, MURC, GMRC, KNB, HEC, CIS, LBTB, LBTB, N23A, BFSC, THU, PHWY, O20A, O20A, SNCC, SZCU

Table with columns: TOAO, TORODI, TORODI, GSC, GSC, CCUT, Q16A, E38A, EDW2, SCZ2, LRMC, PRN, RDMU, CASY, CASY, FURC, MPMC, TPNV, ISA, K22A, PKM, EYMN, EYMN, CWC, GRAC, RSSD, RSSD, RSSD, VES, SMMC, R11B, R11B, DUG, DUG, TCUT, TIN, TPH, B35A, HW07, PDAR, PDAR, SPUT, AGMN, AGMN, AGMN, LHV, NVAR, NVAR, AHID, RYNO, MDND, WAKR, CMB, YERR, IMW, PNTR, ULM, ULM, PAHR, YMR, YHH, HLID, HLID, MRZ, DGMT, DGMT, BOZ, LTZ, LTZ, RTZ, RPZ, RPZ, RPZ, THZ, WWOR, LSZ, LSZ, EGMT, EGMT, PLID, BMO, I07A, J05D, PINE, PINE, FFC, ESCD

Table with columns: YKVA, CRVS, ILAR, ILAR, PPLA, TOLK, H2IK, IMAR, G19K, AKASO, FINES, FINES, C19K, AS31, ASAR, ASAR, ARCES, ARCES, WB2, WRA, WRA, WRA, WRA, PSAA, KLMR, KLMR, MTN, ABKAR, ABKAR, TIXI, PETK, KASI, BRVK, BVAR, IUG, IUG, KK31, KKAR, BRZS, TOL2, YAK, ARSB, BTLS, BTLS, AML, EKS2, USP, SGDS, AAK, UCH, UCH, CHMS, KBK, KURB, KURB, KURK, KZA, TKM2, SBUM, KSH, KSH, TNSX, MDOX, ZALV, ZALV, KULM, SATY, KPKS, UZB, SHLS, SHLS, MK31, MKAR, MKAR, ZSN, ZSN, MJAR, WMQ, CMAR, CMAR, CMAR, SONM, GAT, GAT, GAT, PZH, HHC

IDC 29 16:43:24.7, 1.2, 13'65N, 45'01W, h0km, mb3.8/6, mbtmp=2.8, MCS=0/30, Error ellipse: s-maj=37.0km s-min=28.0km, baze=164.0
ISC 29 16:43:27.0, 1.0, 13'6N, 02-45'0W, 0.2, h15km, n41, 0592/6, mb3.8/6, MS3.6/28, Northern Mid-Atlantic Ridge
Code Station Name A° AZ° Phase ID Time Res

1967

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TRIALETI, DMANISI, GANJA, KUBA-TABA, etc.

IDC 29 17:05:20.7±1.6, 12°14'Sx167.44E, h0km, mb3.9/9, mbmp3.9/9, MS3.7/10, Error ellipse: s-maj=63.4km

ISIC 29 17:05:53.7±1.4, 12°85.0'±3.1672E±0.3, h300km, n16, s=1874.9, mb3.6/9, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HONIARA, DZM, CTA, STKA, WRA, ASAR, MBWA, PPT, BATI, NWAO, LEM, CMAR, SONMI, ILAR, NVAR, ANMO, MKAR.

IDC 29 17:10:57.2±1.4, 0°83'N-127°28'E, h0km, mb3.7/5, mbmp3.7/5, Error ellipse: s-maj=133.8km s-min=20.9km

DJA 29 17:10:57.4±0.4, 0°1'N±3.12°17.7E, h10km, M3.6/7, M11.3/6.7

ISIC 29 17:10:58.5±1.1, 1°01'N±0.07°127.5E±0.1, h10km, n15, s=0598/12, mb3.5/5, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TMTI, LBMI, SANI, KMSI, NLANI, GTOI, WRA, ASAR, SONMI, MKAR, KURBB, etc.

IDC 29 17:11:29.6±8.2, 18°62'S-177°45'W, h397km, 83km, mb3.3/9, mbmp4.1/9, Error ellipse: s-maj=34.6km s-min=28.8km

NEIC 29 17:11:41.3±1.8, 19°25S±0.2±178°1'W±0.1, h487km, 19km, mb4.3/37, Error ellipse: s-maj=26.5km s-min=12.8km

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MRZ, SNZO, SWR, BHW, QNZ, TKNZ, NBZ, THZ, KHZ, KHZ, GYZ, QVZ, OXZ, FOZ, ARMA, ODD, MLZ, WHZ, ARMA, CTA, CTAO, STKA, BBOC, WRO, WB0, WB2, WRAB, WRA, WRA, WRA, AS31, ASAR, ASAR, MTN, FORT, KNRA, SOEI, PSA00, MBWA, VNA, VNA, GSPA, MAW, TXAR, ILAR, PDAR, MMAI, etc.

SJA 29 17:34:53.6±0.7, 24°12'Sx66°99'W, h210km, 6km, ML3.6, MW3.7

GUC 29 17:34:56.1±0.5, 24°09'S-67°34'W, h225km, 7km, ML3.8

ISIC 29 17:34:59.2±0.0, 24°09'S-67°05'W±0.04, h210km, 18km, n27, s=1913/47, 2C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SLA, AZAP, FSA, LVC, LVC, LVC, YJA, YJA, YJA, PB15, PB15, PB15, GO02, GO02, PB06, PB06, PB06, ALOL, IPOC Station P, PB09, PB09, PB09, AHML, IPOC Station P, PB14, IPOC Station P, PB14, IPOC Station P, PB14, IPOC Station P, PB05, IPOC Station P, etc.

IDC 29 18:00:05.2±0.9, 50°74'N-172°99'W, h0km, mb4.0/18, mbmp4.0/20, ML3.6/2, Error ellipse: s-maj=32.1km

NEIC 29 18:00:05.9±2.1, 50°68'N±0.02±173°15'W±0.09, h10km, 2km, mb4.2/87, ML3.7/6, ML3.5(AEIC), Error ellipse: s-maj=9.2km s-min=3.3km az=273.0

29d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB05, IPOC Station P, PB05, PB04, IPOC Station P, PB04, IPOC Station P, PB07, IPOC Station P, PB07, IPOC Station P, PB07, IPOC Station P, etc.

GUC 29 17:49:15.4±0.8, 29°06'S-70°65'W, h74km, 3km, ML3.2

SJA 29 17:49:15.0±0.8, 29°05'S-70°71'W, h74km, 3km, ML3.3, MW3.5

ISIC 29 17:49:17.1±1.3, 29°03'S-70°82'W±0.04, h63km, 7km, n32, s=192/58, Central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LCO, LAS CAMPANAS, LCO, LAS CAMPANAS, AC05, EL TRANSITO, AC05, EL TRANSITO, AC05, EL TRANSITO, AC05, EL TRANSITO, AC04, LLANOS DE CHAL, AC04, LLANOS DE CHAL, AC04, LLANOS DE CHAL, CO05, LA SERENA, CO05, JUNTAS DEL TOR, CO01, JUNTAS DEL TOR, CO01, JUNTAS DEL TOR, CO01, JUNTAS DEL TOR, CO04, TOLOLO OBSERVA, CO04, TOLOLO OBSERVA, CO04, TOLOLO OBSERVA, CO03, COPIAP, CO03, COPIAP, AROD, RODEO, AROD, RODEO, AC06, MINA CASIMIRO, CO03, EL PEDREGAL, CO03, EL PEDREGAL, CO03, EL PEDREGAL, CO03, EL PEDREGAL, CO03, EL PEDREGAL, VCA, VINCHINA, VCA, VINCHINA, VCA, VINCHINA, DOCA, RESERVA NATURA, DOCA, RESERVA NATURA, RTLS, LEONCITO, RTLS, LEONCITO, ZON, ZONDA, ZON, ZONDA, AVFE, VALLE FERTIL, AVFE, VALLE FERTIL, AACL, CERRO LA CRUZ, AACL, CERRO LA CRUZ, ASAL, SALAGATA, ASAL, SALAGATA, APPL, PUNTA DE LOS L, APPL, PUNTA DE LOS L, MTO2, CHUPES, MTO2, CHUPES, MT01, POPETA, MT01, POPETA, etc.

IDC 29 18:00:05.2±0.9, 50°74'N-172°99'W, h0km, mb4.0/18, mbmp4.0/20, ML3.6/2, Error ellipse: s-maj=32.1km

NEIC 29 18:00:05.9±2.1, 50°68'N±0.02±173°15'W±0.09, h10km, 2km, mb4.2/87, ML3.7/6, ML3.5(AEIC), Error ellipse: s-maj=9.2km s-min=3.3km az=273.0

29d 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for OK048, OK029, OK051, etc.

IDC 29 19:44:33.14, 7.55SS, 147.56E, h146km, 65km, mb3.4/2, mbmtpp3.8/4, Error ellipse: s-maj=123.0km s-min=38.7km az=110.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for PMG, WRA, ASAR, MKAR.

IDC 29 20:08:07.6, 7.5, 24.75S; 179.79W, h438km, 71km, mb3.3/4, mbmtpp4.2/5, Error ellipse: s-maj=51.9km s-min=26.7km az=44.0

NEIC 29 20:08:12.3, 1.7, 25.2S; 0.1x179.9E; 0.2, h473km, 9km, mb4.3/20, Error ellipse: s-maj=22.3km s-min=19.2km az=87.0

ISC 29 20:08:10.9, 0.7, 25.00S; 0.08, 179.8E; 0.1, h450km, n38, s1947/39, mb4.0/8, South of Fiji Islands

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for RAO, AFJ, BKZ, BFZ, MRZ, SNZO, BHW, QNZ, DSZ, KHZ, GVZ, CTX, BBOO, AS31, ASAR, ASAR, ASAR, WRO, WR0, WB2, WRAB, WB0, WRA, WRA, KNRA, BELA, SNA, SNA, ARCES, FINES, NOA, HFS, AKASG, MMAI, EKA, TORD.

NEIC 29 20:08:51.6, 1.8, 7.51N; 0.05; 75.30W; 0.06, h77km, 17km, mb4.0/3, Error ellipse: s-maj=9.0km s-min=6.9km az=123.0

RSNC 29 20:08:53.6, 1.5, 7.41N; 75.32W, h10km, 4km, ML3.8, Mw4.1, Fault plane solution: NP1; phi=18.00000, delta=0.00000, lambda=162.00000

IDC 29 20:08:54.1, 2.7, 7.45N; 75.30W, h74km, 26km, mb3.3/4, mbmtpp3.8/7, MS3.1/4, Error ellipse: s-maj=27.1km s-min=21.0km az=140.0

ISC 29 20:08:51.7, 0.6, 7.54N; 0.03; 75.32W; 0.03, h45km, 5km, n75, s291/113, mb3.8/6, 6C-3D, Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for UREC, ZARC.

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Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for ZARC, DBBC, MEDEC, APAC, PTBC, HELC, LCBC, CBBC, NORC, OJAC, SPBC, CAPC, GUY2C, CAP2, BARC, SJCC, NIZA, ARGC, PAMP, LLC, RUSC, ROSC, EL ROSAL, ROSC, ROSC, ROSC, LLC, CHIC, ORTC, TAME, YOTC, VILC, PRAC, CRJC, UPA, JAMC, PTGC, BCIP, BCIP, BETC, SDV, SDV, SDV, POPC, URIC, GARC, GARC.

1970

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for BBAC, FLOC, PTLT, BAUV, HATO, OTAV, OTAV, PRVC, JTS, MTDJ, PCRV, PCRV, BOAV, BOAV, NNA, NNA, ETMB, ETMB, SAML, SAML, CMIG, LPAZ, TXAR, TXAR, BDFB, YKA, ILAR, TORD, TORD, ASAR, WRA.

IDC 29 20:10:30.9, 3.6, 14.51S; 76.44W, h0km, mb3.8/1, mbmtpp3.6/4, ML3.4/3, MS2.7/2, Error ellipse: s-maj=98.9km s-min=31.3km az=48.0

ISC 29 20:10:33.5, 2.3, 14.65S; 0.2x76.5W; 0.3, h23km, n16, s1947/77, Near coast of Peru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for NNA, NNA, NNA, NNA, ATAH, LPAZ, SIV, H03N1, H03N2, H03N3, TORD, H11N3, H11N2, H11N1, H11S2, H11S1, H11S3, SONM.

IDC 29 20:16:02.0, 5.5, 10.10S; 118.82E, h56km, 48km, mb3.5/3, mbmtpp3.7/7, ML3.5/4, MS2.6/3, Error ellipse: s-maj=48.2km s-min=14.8km az=57.0

ISC 29 20:16:01.2, 2.0, 10.08S; 0.07x118.80E; 0.07, h33km, n23, s153/20, mb4.0/3, South of Sumbawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for PLAI, MMRI, BATI, BATI, JAGI, KAPI, KAPI, KAPI, MBWA, KNRA, GIPRL, GIPRL, MEEK, WRKA, WRA, WRA, ASAR, ASO1, NWAO, CMAR, H08S2, H08S3, H08S1, SONM, MKAR.

1971

0.5nm,0.5s
ZALV Zalesovo Beam 69.97 339 P P 20 27 06.3 -2.9
0.6nm,0.4s,baz=124,slow=4.9,SNR=3.7
0.6nm,0.4s

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for NEIC 29 20 23:57.4, TUL 29 20 23:59.3, and various station codes like CSTR, FNO, W35A, CROK, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entry for IDC 29 20 31:34.0 and station codes like STKA, WRA, ASAR, BGNE.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entry for IDC 29 20 35:22.2 and station codes like LPAZ, LVC, H03N1, etc.

ANF 29 20 41:31.2,0.1,34.84N:117.94W,h15km,ML3.2/34,
Error ellipse: s-maj=1.3km s-min=1.1km az=93.0
PAS 29 20 41:32.8,1.6,34.85N:117.90W,0.02,h9km,6km,
ML3.1/284,ML2.8/80(NEIC),Error ellipse: s-maj=4.7km
s-min=2.2km az=187.0

NEIC 29 20 41:32.1,2.1,34.86N:117.92W,0.02,h5km,2km,
Error ellipse: s-maj=3.0km s-min=2.5km az=99.0
ISC 29 20 41:33.2,0.9,34.83N:117.91W,0.02,h21km,1km,
n117,σ15/09/155,Southern California

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes station codes like MPI, TJR, OSI, ARVC, BCW, TEJ, etc.

2017 NOV

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes station codes like EDW2, SBC, CRGC, LRRC, CCAC, etc.

29d 20h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes station codes like MONP2, BAR, TPNV, BC3, etc.

TAP 29 20 48:27.4,24.72N:122.01E,h58km,ML3.2,B
JMA 29 20 48:27.5,0.2,24.72N:122.0E,0.5,h60km,3km,
MV2.5/13,TAIWAN REGION

ISC 29 20 48:28.2,1.2,24.72N:122.03E,0.02,h5km,6km,
n117,σ06/21/3,2D,Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes station codes like TWC, NTC, ILA, TWB1, etc.

1973

Table of astronomical observations for 1973, including station names, coordinates, and observation times.

2017 NOV

Table of astronomical observations for 2017 NOV, including station names, coordinates, and observation times.

29d 21h

Table of astronomical observations for 29d 21h, including station names, coordinates, and observation times.

Table with columns for station name, frequency, power, and time. Includes stations like JNSB Nemuroshibetsu, NMR Nemuro-Hokkai, JNK Nakash, etc.

Table with columns for station name, frequency, power, and time. Includes stations like TYV comp=N,17um,11.0s, TYV Tymovskoe, TYV comp=E,29um,11.0s, etc.

Table with columns for station name, frequency, power, and time. Includes stations like BNX comp=Z,13um,15.1s, BNX comp=Z,15um,12.4s, HEH HeiHe, etc.

29d 22h

Table with columns for station name, frequency, power, and signal quality. Includes stations like XLT, BJI, BJT, JOW, SSE, HNS, ADK, HHC, BTO, ULN, LYN, and GZH.

2017 NOV

Table with columns for station name, frequency, power, and signal quality. Includes stations like IRK, WHN, ZAK, GAMB, QZH, XAN, UNV, M11K, TNA, ENH, F14K, K13K, ANM, M13K, J14K, J14K, LZH, L15K, C16K, M14K, O14K, L15K, H16K, K15K, K15K, G16K, M15K, GTA, RDOG, C17K, J16K, I17K, I17K, I17K, E17K, GZH, GZH, GZH.

1976

Table with columns for station name, frequency, power, and signal quality. Includes stations like GZH, O15K, F17K, G17K, L16K, L16K, H17K, H17K, H17K, M16K, E18K, B18K, N16K, C18K, C18K, L17K, K17K, O16K, CHGN, P16K, G18K, A19K, H18K, M17K, C19K, CD2, CD2, CD2, CD2, R16K, N17K, O17K, F19K, L18K, J18K, GCSA, D19K, G19K, Q16K, P17K, E19K, H19K, TTA, R17K, N18K, M18K, GYA, GYA, GYA, GYA, Q17K, D20K, B20K, E20K, F20K, O18K, P18K, P18K, P18K, L19K, H20K, Q18K, CHIR, I20K, N19K, A21K, J20K, K20K, L20K, C21K, R18K, IMAR, IMAR, B21K, E21K, G21K, A22K, F21K, Q19K, SII, P19K.

1977

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, Date, Time, and other parameters. Includes stations like H21K, CHUM, B22K, etc.

2017 NOV

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, Date, Time, and other parameters. Includes stations like KMI, POKR, PWL, etc.

29d 22h

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, Date, Time, and other parameters. Includes stations like I28M, MAKZ, MESA, etc.

29d 22h

Table with columns for call sign, name, frequency, and other details. Includes stations like CHTO Chiang Mai, ARXS Arharly, and S34M Telegraph Cree.

2017 NOV

Table with columns for call sign, name, frequency, and other details. Includes stations like SGDS Sogindy, WTLY Watson Lake, and RES Resolute Bay.

1978

Table with columns for call sign, name, frequency, and other details. Includes stations like BBB Bella Bella, KSM BTK, and HAWA Hanford.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VCA Vinchina, TROLL Troil, AROD Rodeo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HEL 29 22:41:35.9, JOF Joensuu, KLMM Klimovskoe, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUR08 Bucovina Ar, BURAR Bucovina Arr, NOU 29 23:33:37, etc.

IDC 29 22:36:55.5, 1.9, 3.13N, 127.80E, h0km, mb3.7/4, mbmp3.7/4, MS4.5/1, Error ellipse: s-maj=151.5km

IDC 29 23:17:28.1, 5.8, 2.25S, 179.77E, h495km, 66km, mb3.2/5, mbmp4.1/6, Error ellipse: s-maj=47.8km s-min=26.6km

NEIC 29 23:17:29.6, 1.3, 2.52S, 0.1x1779.9E, 0.1, h507km, 9km, mb4.1/1.3, Error ellipse: s-maj=22.3km s-min=14.9km

DJA 29 22:37:06.1, 0.5, 3.1N, 4.12E, h41km, 54km, M4.2/8, mb4.2/4, mb5.1/1, Mv4.1/8, Mw(mbj)4.5/1

ISC 29 23:17:28.0, 7.0, 2.90N, 0.08x127.3E, 0.1, h100km, n26, s139/28, mb3.8/7, Northern Molucca Sea

ISC 29 23:17:28.0, 7.0, 2.90N, 0.08x127.3E, 0.1, h100km, n26, s139/28, mb3.8/7, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SSSI Sangihe, TNTI Ternate, WBO Warramunga Arr, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANWZ Angora Road, ANWZ Kaweka Forest, ANWZ Tintock, etc.

29d 23h

G19K	Purcell Moun	53.59	27	P	P	23 50 31.9 +0.8
O18K	Koktuh Hills	53.60	35	P	P	23 50 32.7 +1.4
D19K	Kuna River	53.70	24	P	P	23 50 33.2 +1.4
H19K	Roundabout Mou	53.74	28	P	P	23 50 32.9 +0.9
E19K	Redstone River	53.80	25	P	P	23 50 34.0 +1.5
J19K	Poorman	53.85	30	P	P	23 50 34.3 +1.4
L19K	White Mountain	53.98	32	P	P	23 50 35.9 +2.0
N19K	Bonanza Creek	54.04	34	P	P	23 50 35.4 +1.0
D20K	Etlvuk River	54.29	24	P	P	23 50 37.3 +1.4
F20K	Avaraart Lake	54.29	26	P	I	23 50 37.1 +1.1
F20K	Avaraart Lake	54.29	26	P	I	23 50 38.5
F20K	Avaraart Lake	54.29	26	P	P	23 50 37.4 +1.4
E20K	Nigu River	54.35	25	P	P	23 50 37.1 +0.6
H20K	Anotleneega Mo	54.38	28	P	P	23 50 37.9 +1.2
B20K	Meade River	54.39	22	P	P	23 50 37.7 +1.1
I20K	Naaghedeneel	54.45	29	P	P	23 50 38.8 +1.7
K20K	Telida	54.47	31	P	P	23 50 38.7 +1.4
J20K	Nowinta River	54.52	30	P	P	23 50 39.0 +1.4
BVAR	Borovoye Array	54.54	316	P	P	23 50 37.7 -0.3
BVAR	Borovoye Array	54.54	316	P	P	23 51 33.1 -0.4
BVAR	Borovoye Array	54.54	316	P	P	23 57 34.2 -4.1
BRVK	Borovoye	54.60	317	P	P	23 50 38.3 -0.2
KD4K	Kodiak Island	54.88	38	P	P	23 50 40.7 +0.5
KD4K	Kodiak Island	54.88	38	P	P	23 50 40.8 +0.6
IMAR	Indian Moutai	54.91	28	P	P	23 50 41.0 +0.6
Q20K	Shuyak Island	54.99	37	P	P	23 50 40.9 0.0
C21K	Knifblade Rid	55.02	24	P	P	23 50 42.4 +1.3
G21K	Allakaket	55.08	27	P	P	23 50 43.0 +1.5
B21K	Ikpikuk River	55.17	23	P	P	23 50 43.6 +1.6
F21K	Alatina River	55.19	26	P	P	23 50 43.1 +0.8
E21K	Kilik River	55.19	25	P	P	23 50 43.5 +1.2
H21K	Melozitna River	55.26	28	P	P	23 50 44.5 +1.7
PPLA	Purkeypile	55.28	31	P	P	23 50 43.8 +0.7
CHUM	Lake Minchumin	55.29	30	P	P	23 50 44.5 +1.5
A22K	Sinclair Lake	55.33	21	P	P	23 50 44.0 +0.9
CAST	Castle Rocks	55.36	31	P	I	23 50 44.8 +1.2
CAST	Castle Rocks	55.36	31	P	I	23 50 45.9
CAST	Castle Rocks	55.36	31	P	P	23 50 45.0 +1.4
SKAR	Karatay Array	55.43	304	P	P	23 50 44.1 -0.3
KKR	Skwentna	55.53	33	P	P	23 50 45.4 +0.6
SKT	Skwentna	55.53	33	P	I	23 51 09.7
SKT	Skwentna	55.53	33	P	P	23 50 45.4 +0.6
I21K	Tanana	55.55	29	P	P	23 50 46.5 +1.7
B22K	Teshpekuk Lake	55.71	22	P	P	23 50 47.1 +1.3
D22K	Ayikyak River	55.72	24	P	P	23 50 47.5 +1.5
F22K	John River	55.72	26	P	P	23 50 47.6 +1.6
BRLK	Bradley Lake	55.78	35	P	P	23 50 47.2 +0.7
H22K	Ishlatitna Cre	55.87	28	P	P	23 50 48.8 +1.8
SUA	Susitna One	55.88	33	P	P	23 50 47.9 +0.6
BPAW	Bear Paw Mtn.	55.89	30	P	P	23 50 48.5 +1.2
G22K	Bettles	55.92	27	P	P	23 50 48.1 +0.8
E22K	Anaktuvuk Pass	55.94	25	P	P	23 50 49.1 +1.5
MLY	Manley	56.06	29	P	P	23 50 49.7 +1.3
TRF	Thorofare Moun	56.17	31	P	P	23 50 50.1 +0.8
M22K	Willow	56.19	33	P	P	23 50 49.8 +0.6
RC01	Rabbit Creek A	56.36	34	P	P	23 50 51.0 +0.5
D23K	Nanushuk River	56.45	24	P	P	23 50 52.4 +1.4
COLD	Coldfoot	56.45	26	P	P	23 50 52.4 +1.3
G23K	Bananza Creek	56.48	27	P	P	23 50 52.5 +1.2
C23K	Iklik River	56.58	23	P	P	23 50 53.0 +1.2
I23K	Minto, Yukon-K	56.65	29	P	P	23 50 53.7 +1.3
PMR	Palmer	56.66	33	P	P	23 50 52.7 +0.2
E23K	Chandalar	56.75	25	P	P	23 50 54.3 +1.1
NEA2	Nenana	56.75	29	P	P	23 50 54.3 +1.1
GHO	Glory Hole Cre	56.76	33	P	I	23 50 53.8 +0.4
GHO	Glory Hole Cre	56.76	33	P	I	23 51 04.5
MCK	McKinley	56.78	30	P	P	23 50 54.5 +1.1
TOLK	Took Lake Re	56.82	25	P	P	23 50 55.0 +1.4
WAT1	Susitna Watana	56.94	32	P	P	23 50 55.0 +0.5
KNK	Knik Glacier	56.98	33	P	P	23 50 55.4 +0.6
SML	Sawmill	57.04	33	P	P	23 50 55.9 +0.7
SML	Sawmill	57.04	33	P	P	23 50 55.7 +0.4
PWL	Port Wells	57.05	34	P	P	23 50 55.9 +0.6
MDM	Murphy Dome	57.12	29	P	P	23 50 56.2 +0.4
D24K	Happy Valley	57.14	24	P	P	23 50 57.1 +1.4
WRH	Wood River Hill	57.17	30	P	P	23 50 56.1 +0.1
E24K	Your Creek	57.17	25	P	P	23 50 57.6 +1.5
C24K	Franklin Bluff	57.23	23	P	P	23 50 57.7 +1.4
COLA	College	57.28	29	P	P	23 50 57.8 +1.1
CCB	Clear Creek Bu	57.30	29	P	P	23 50 56.8 0.0
CCB	Clear Creek Bu	57.30	29	P	I	23 50 59.6
H24K	Noodor Dome	57.30	28	P	P	23 50 58.3 +1.4
WAT6	Susitna Watana	57.31	32	P	P	23 50 57.9 +0.6
M23K	Glacier View	57.33	33	P	P	23 50 57.6 +0.5
F24K	Squaw Lake	57.37	26	P	P	23 50 59.0 +1.6
POKR	Poker Plat Res	57.47	29	P	P	23 50 58.4 +0.4
POKR	Poker Plat Res	57.47	29	P	P	23 50 58.4 +1.3
DHY	Denali Highway	57.48	31	P	P	23 50 58.7 +0.3
G24K	Hadwezniz Riv	57.49	27	P	P	23 50 59.7 +1.5
SCM	Sheep Creek Mo	57.52	33	P	I	23 50 59.3 +0.7
SCM	Sheep Creek Mo	57.52	33	P	I	23 51 25.7

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SCM	Sheep Creek Mo	57.52	33	P	P	23 50 59.1 +0.6
P23K	Montague Island	57.53	35	P	P	23 50 59.2 +0.6
GLK	Glacier Island	57.56	34	P	P	23 51 00.5 +1.2
HDA	Harding Lake	57.67	30	P	P	23 50 59.4 -0.1
IL31	IL31	57.70	29	P	I	23 50 59.2 -0.3
IL31	IL31	57.70	29	P	I	23 51 02.7
ILAR	Elieson Array	57.70	29	P	P	23 50 59.1 -0.5
ILAR	Elieson Array	57.70	29	P	P	23 50 59.2 -0.4
D25K	Kavik River	58.02	24	P	P	23 51 03.1 +1.3
G25K	Beam Lake	58.04	27	P	P	23 51 03.7 +1.8
M24K	Tolsona, Glenn	58.05	32	P	P	23 51 03.6 +1.4
Q23K	Midleton Isla	58.10	36	P	P	23 51 04.4 +2.0
H25L	Birch Creek	58.15	27	P	P	23 51 04.3 +1.7
KLU	Klutina	58.20	33	P	P	23 51 04.8 +1.6
F25K	Christian River	58.23	26	P	P	23 51 05.0 +1.7
PRP	Porcupine Dome	58.27	28	P	I	23 51 03.4 -0.3
PRP	Porcupine Dome	58.27	28	P	I	23 51 05.6
PRP	Porcupine Dome	58.27	28	P	P	23 51 04.1 +0.4
E25K	Arctic Village	58.27	25	P	I	23 51 04.7 +1.2
E25K	Arctic Village	58.27	25	P	I	23 51 06.2
E25K	Arctic Village	58.27	25	P	P	23 51 05.2 +1.7
J25K	Salcha River,	58.35	29	P	P	23 51 03.5 -0.6
PAX	Paxson	58.35	31	P	P	23 51 04.8 +0.6
HARP	HAARP	58.52	32	P	P	23 51 06.5 +1.3
C26K	Camden Bay	58.55	23	P	P	23 51 07.0 +1.7
BMAR	Burnt Mountain	58.64	26	P	P	23 51 07.7 +1.6
F26K	Shenjek River	58.61	26	P	P	23 51 08.8 +1.7
BMRM	Bremner River	58.67	34	P	P	23 51 07.6 -0.1
G26K	Porcupine River	58.96	27	P	P	23 51 09.6 +1.6
SCRK	Sand Creek	58.97	30	P	I	23 51 08.8 +0.4
SCRK	Sand Creek	58.97	30	P	I	23 51 09.5
SCRK	Sand Creek	58.97	30	P	P	23 51 08.5 +0.1
J26L	Joseph Creek	59.13	30	P	P	23 51 09.7 +0.3
I26K	Coal Creek Min	59.27	29	P	P	23 51 10.5 +0.3
L26K	Log Cabin Wild	59.31	31	P	P	23 51 11.3 +0.7
M26K	Nabesna, AK	59.32	32	P	P	23 51 13.0 +1.0
MCAR	McCarthy VSAT	59.59	33	P	P	23 51 13.4 +0.9
E27K	Coleen River	59.76	25	P	P	23 51 15.2 +1.7
K27K	Chicken	59.81	30	P	P	23 51 14.9 +1.1
H27K	Steamboat Moun	59.89	27	P	P	23 51 16.1 +1.7
I27K	Kandik River	59.89	28	P	P	23 51 15.4 +1.0
D27M	Malcolm River	59.94	24	P	P	23 51 16.0 +1.2
L27K	Beaver Creek,	60.00	31	P	P	23 51 16.2 +1.0
BCAR	Beaver Creek A	60.02	31	P	P	23 51 16.2 +0.9
M27K	Edge Creek, AK	60.05	32	P	P	23 51 16.5 +0.8
EGAK	Eagle	60.15	29	P	I	23 51 16.1 +0.1
EGAK	Eagle	60.15	29	P	I	23 51 18.2
EGAK	Eagle	60.15	29	P	P	23 51 16.7 +0.6
F28M	Old Crow	60.44	26	P	P	23 51 19.4 +1.4
E28M	Babbage River	60.49	25	P	P	23 51 19.7 +1.4
BVCY	Beaver Creek	60.51	32	P	P	23 51 19.8 +1.2
I28M	Miner Creek	60.60	28	P	P	23 51 20.0 +0.8
D28M	Stokes Point	60.73	24	P	P	23 51 21.1 +1.2
YUK3	Moose Creek	60.77	33	P	P	23 51 21.3 +0.7
DAWY	Dawson	60.98	30	P	P	23 51 22.8 +1.1
ARU	Art	61.03	321	P	P	23 51 21.1 -1.0
Q28M	Mount Upton	61.03	34	P	P	23 51 22.7 +0.3
E29M	Blow River	61.12	25	P	P	23 51 23.5 +1.1
H29M	Whistone	61.16	27	P	P	23 51 23.9 +1.1
YUK8	Steele Glacier	61.17	33	P	P	23 51 24.0 +0.8
G29M	Pine Creek	61.22	27	P	P	23 51 24.4 +1.2
I29M	Ogilvie Camp,	61.29	28	P	P	23 51 24.5 +0.9
ABKAR	Akbulak array	61.54	313	P	I	23 51 24.8 -0.7
ABKAR	Akbulak array	61.54	313	P	I	23 51 25.6
M29M	Somme Creek	61.61	32	P	P	23 51 27.2 +1.3
L29M	L29M	61.67	31	P	P	23 51 27.3 +1.1
YUK4	Talbot Arm	61.69	33	P	P	23 51 27.3 +0.7
EPYK	Eagle Plains	61.81	27	P	P	23 51 28.2 +1.2
K29M	Barlow Dome	61.83	30	P	P	23 51 28.5 +1.2
YUK6	Outpost Moun	61.89	33	P	P	23 51 28.7 +0.8
Q29M	Mount Kennedy	61.89	34	P	P	23 51 28.6 +0.8
G30M	taoh Zraii Nji	61.92	26	P	P	23 51 28.6 +0.9
F30M	Barber River	62.00	26	P	P	23 51 29.6 +1.4
I30M	Mount Dempster	62.11	28	P	P	23 51 30.2 +1.1
J30M	Hart River	62.23	29	P	P	23 51 31.0 +1.1
HYT	Haines Junctio	62.33	33	P	I	23 51 31.3 +0.7
HYT	Haines Junctio	62.33	33	P	I	23 50 00.7
HYT	Haines Junctio	62.33	33	P	P	23 51 31.9 +1.3
M30M	Minto, Yukon	62.36	31	P	P	23 51 31.3 +0.6
N30M	Aishkik Lake	62.41	33	P	P	23 51 32.3 +1.2
H29K	Windy Craggy	62.42	35	P	P	23 51 32.0 +0.8
G31M	Satah River	62.69	26	P	P	23 51 33.4 +0.7
P30M	Million Dollar	62.72	34	P	P	23 51 34.6 +1.5
INK	Inuvik	62.73	25	P	P	23 51 33.5 +0.5
N31M	Baraburn, Yuko	63.02	32	P	P	23 51 35.5 +0.5
M31M	Drury Creek, Y	63.53	32	P	P	23 51 39.0 +0.8
WHY	Whitehorse	63.62	33	P	P	23 51 40.0 +1.0
WHY	Whitehorse	63.62	33	P	I	23 51 42.1
WHY	Whitehorse	63.62	33	P	P	23 51 39.7 +0.7

1986

FARO	Faro, Yukon	64.00	31	P	P	23 51 42.3 +1.0
P32M	Atlin	64.43	34	P	P	23 51 44.9 +0.9
S32K	Kiliscoo	64.51	37	P	P	23 51 45.7 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ECSD EROS Data Cent, TXAR Lajitas Array, TORD Torodi Ar. Bea.

JMA 29 23:42:56.6, 0.3, 23°N, 122°7E, 0.8, h46km, MV3.4/14, FAR S OFF ISHIGAKIJIMA

Main table for 1987 with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations and their parameters.

Table for 2017 NOV with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WHYT Xinyi Township, MASBT Mashbuluo, TWC Suao.

BUJ 29 23:53:46.4, 0.0, 6:96S, 129:75E, h159km, mb5.4/86, mB5.3/55
MOS 29 23:53:47.9, 1.0, 6:74S, 129:64E, h152km, mb5.6/66, Error ellipse: s-maj=8.4km s-min=4.3km az=116.2

Table for 2017 NOV with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAUI Saumiaki, BNDI Bandanaira, SANI Sanana.

Main table for 2017 NOV with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations and their parameters.

29d 23h

Table with columns for station name, frequency, power, and signal quality. Includes stations like KSM, CMJ, KAVG, OAD, GIRL, etc.

2017 NOV

Table with columns for station name, frequency, power, and signal quality. Includes stations like YHNB, Yeheng, YNG, TATO, MGCD, etc.

1988

Table with columns for station name, frequency, power, and signal quality. Includes stations like JMN, Monobe, JMA, Port Blair, KMI, Kunming, etc.

1989

Table with columns for country codes (JTM, SNY, etc.), names (Tenmabayashi, Shenyang, etc.), and various numerical data points.

2017 NOV

Table with columns for country codes (GOMU, GeErMu, etc.), names (GeErMu, Kakani, etc.), and various numerical data points.

29d 23h

Table with columns for country codes (SHLS, Shalkode, etc.), names (Shalkode, Taragay, etc.), and various numerical data points.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like 833A Chaparral WMA, PVRL Vila Real, PLOLO Lamas de Olo, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like DBIC comp=Z.26nm,0.8s, P49A Miami Univ. Ec, P49A Miami Univ. Ec, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like CNCC Cliffs of the, RODS Rosario do Sul, TGHU Tegucigalpa, UN, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like SIV comp=Z.10nm,0.8s, SIV comp=Z.11nm,0.8s, etc.

30d Oh

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Vilhena, Santo Domingo, Samuel, etc.

JMA 29 23:54:23.3±0.0, 35.5N±0.1x137.4E±0.3, h7km, MV0.17, SE GIFU PREF, Eastern Honshu

IDC 29 23:54:58.8±0.8, 37.72N±134.39E, h410km, 13km, mb3.2/12, mbtomp4.1/18, Error ellipse: s-maj=24.9km s-min=16.8km az=29.0

JMA 29 23:54:59.3±0.3, 38°N±1.3'x135°E±1.1, h414km, 3km, MV3.6/57, SEA OF JAPAN

ISC 29 23:54:58.7±0.7, 37.87N±0.07, 134.48E±0.07, h400km, n34, ±1947/1, mb3.6/12, Sea of Japan

Main table of seismic stations with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KJG, JSZ, JTY, etc.

2017 NOV

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NOR, DAG, DAN, etc.

TEH 30 00:10:38.4±4.58N±5.84E, h10km, 19km, ML3.0, Error ellipse: s-maj=2.9km s-min=1.4km az=193.0

TEH 30 00:19:34.8, 35°74'N, 52°12'E, h8km, 41km, ML3.8, Error ellipse: s-maj=33.8km s-min=25.8km az=263.0

ISC 30 00:19:36.3±0.7, 35.73N±0.03, 52.12E±0.02, h10km, n79, ±178/106, Northern and central Iran

Main table of seismic stations with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KXGI, IDHR, IGHG, etc.

1994

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

NEIC 30 00:21:46.6±0.3, 19°38'N, 0°02'155°W, h13km, 3km, Error ellipse: s-maj=2.9km s-min=1.4km az=193.0

HVO 30 00:21:46.9±0.4, 19°37'N, 0°02'155°W, h10km, 3km, ML2.5/11, ML2.3/40(NEIC), Error ellipse: s-maj=1.6km s-min=1.3km az=151.0, Hawaiian Islands

Main table of seismic stations with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRMI, SDHI, UWE, etc.

30d 1h

ONI	Oni	80.15	312	P	P	01 28 11.3	-0.6
MLY	Manley	80.19	25	P	I Amb	01 28 12.3	+0.7
MLY	Manley	80.19	25	P	P	01 28 12.2	+0.7
CUT	Chulitna	80.25	28	P	P	01 28 12.1	+0.3
M22K	Willow	80.29	29	P	P	01 28 11.8	-0.2
M22K	Willow	80.29	29	P	P	01 28 12.7	+0.6
TRF	Thorofare Moun	80.29	27	P	P	01 28 12.5	+0.1
TRF	Thorofare Moun	80.29	27	P	P	01 28 12.5	+0.1
O22K	Cooper Landing	80.43	30	P	P	01 28 13.5	+0.7
RC01	Rabbit Creek A	80.44	29	P	P	01 28 13.2	+0.3
RC01	Rabbit Creek A	80.44	29	P	P	01 28 13.3	+0.3
KARS	Kars	80.47	310	P	P	01 28 13.0	-0.8
KARS	Kars	80.47	310	P	P	01 28 13.0	-0.8
D23K	Nanushuk River	80.49	21	P	P	01 28 14.2	+1.1
KBZ	Khabaz	80.54	313	eP	pmax	01 28 13.4	-0.4
KBZ	Khabaz	80.54	313	eP	pmax	01 28 12.6	-1.2
KBZ	Khabaz	80.54	313	eP	pmax	02 09 38.7	
COLD	Coldfoot	80.55	23	P	P	01 28 14.7	+1.3
SEW	Seward	80.55	30	P	P	01 28 14.0	+0.4
C23K	Kiklik River	80.58	20	P	P	01 28 14.3	+0.8
C23K	Kiklik River	80.58	20	P	P	01 28 14.6	+1.1
G23K	Bananza Creek	80.58	24	P	I Amb	01 28 13.9	+0.2
G23K	Bananza Creek	80.58	24	P	P	01 28 14.7	+1.0
KIV	Kislovodsk	80.68	313	∪P	pmax	01 28 14.9	+0.1
KIV	Kislovodsk	80.68	313	∪P	pmax	01 28 14.6	-0.2
KIV	Kislovodsk	80.68	313	eP	pmax	01 28 14.1	-0.7
KIV	Kislovodsk	80.68	313	iP	pmax	01 28 14.3	-0.5
SHA1	Shidzhatmaz	80.71	23	P	P	01 28 14.4	-0.7
PMR	Palmer	80.75	29	P	P	01 28 14.8	+0.2
PMR	Palmer	80.75	29	P	P	01 28 14.8	+0.2
I23K	Minto, Yukon-K	80.78	25	I Amb	I Amb	01 28 18.6	
I23K	Minto, Yukon-K	80.78	25	P	P	01 28 15.7	+1.0
E23K	Chandalar	80.82	22	P	P	01 28 15.9	+1.0
TOLK	Toolik Lake Re	80.87	22	P	P	01 28 15.5	+0.3
NEA2	Nenana	80.88	26	I Amb	I Amb	01 28 17.4	
NEA2	Nenana	80.88	26	P	P	01 28 15.6	+0.3
MCK	McKinley	80.91	27	P	P	01 28 15.7	+0.2
RND	Reindeer	80.94	27	I Amb	I Amb	01 28 16.8	
WAT1	Susitna Watana	81.06	28	P	P	01 28 16.6	+0.4
KNK	Knik Glacier	81.07	29	I Amb	I Amb	01 28 18.2	
KNK	Knik Glacier	81.07	29	P	P	01 28 16.8	+0.5
PWL	Port Wells	81.12	30	P	P	01 28 17.3	+0.7
SML	Sawmill	81.14	29	I Amb	I Amb	01 28 18.4	
SML	Sawmill	81.14	29	P	P	01 28 17.2	+0.5
D24K	Happy Valley	81.16	21	I Amb	I Amb	01 28 19.1	
D24K	Happy Valley	81.16	21	P	P	01 28 17.9	+1.2
VRH	Novokhoporsok	81.21	321	eP	pmax	01 28 13.1	-4.1
C24K	Franklin Bluff	81.23	21	P	P	01 28 18.2	+1.2
E24K	Your Creek	81.24	22	P	P	01 28 18.2	+1.0
MDM	Murphy Dome	81.25	25	I Amb	I Amb	01 28 20.1	
WRH	Wood River Hill	81.30	26	I Amb	I Amb	01 28 18.7	
GURO	Guroymak-BITLI	81.36	308	I Amb	I Amb	01 28 20.1	
COLA	College	81.41	25	P	P	01 28 17.9	-0.1
COLA	College	81.41	25	∪P	P	01 28 18.0	-0.1
COLA	College	81.41	25	P	P	01 28 18.6	+0.6
H24K	Noodor Dome	81.42	25	I Amb	I Amb	01 28 21.2	
H24K	Noodor Dome	81.42	25	P	P	01 28 19.6	+1.4
CCB	Clear Creek Bu	81.42	26	I Amb	I Amb	01 28 20.0	
M23K	Glacier View	81.42	29	P	P	01 28 18.7	+0.5
WAT6	Susitna Watana	81.43	28	P	P	01 28 18.9	+0.5
F24K	Squaw Lake	81.45	23	I Amb	I Amb	01 28 21.4	
F24K	Squaw Lake	81.45	23	P	P	01 28 19.3	+1.0
POKR	Poker Flat Res	81.59	25	P	P	01 28 19.7	+0.6
DHY	Denali Highway	81.60	27	I Amb	I Amb	01 28 37.0	
DHY	Denali Highway	81.60	27	P	P	01 28 20.3	+1.0
G24K	Hadweenzic Riv	81.60	24	I Amb	I Amb	01 28 21.5	
G24K	Hadweenzic Riv	81.60	24	P	P	01 28 20.0	+1.0
SCM	Sheep Creek Mo	81.61	29	P	P	01 28 20.4	+1.1
GLI	Glacier Island	81.73	30	P	P	01 28 20.3	+0.5
HDA	Harding Lake	81.79	26	I Amb	I Amb	01 28 20.7	
HDA	Harding Lake	81.79	26	P	P	01 28 19.6	-0.5
ILAR	Eielson Array	81.82	26	P	P	01 28 19.4	-0.9
ILAR	Eielson Array	81.82	26	P	P	02 03 35.0	
D25K	Kavik River	82.04	21	P	P	01 28 21.8	+0.4
G25K	Bearman Lake	82.14	24	P	P	01 28 23.1	+1.3
M24K	Toleona, Glenn	82.16	28	P	P	01 28 23.2	+1.1
H25L	Birch Creek	82.26	24	P	P	01 28 24.0	+1.5
KLMR	Klimovskoe	82.28	330	eP	pmax	01 28 19.3	-3.4
KLMR	Klimovskoe	82.28	330	eP	pmax	01 28 23.1	-3.4
KLMR	Klimovskoe	82.28	330	eP	pmax	01 28 19.2	-3.4
KLMR	Klimovskoe	82.29	29	P	P	01 28 23.9	+1.0
K24K	Donnelly Dome	82.31	27	P	P	01 28 23.2	+0.3
F25K	Christian River	82.31	23	P	P	01 28 24.2	+1.4

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E25K	Arctic Village	82.34	22	P	P	01 28 23.9	+1.0
PRP	Porcupine Dome	82.39	25	P	P	01 28 23.8	+0.5
EYAK	Cowwa Ski Ar	82.39	30	P	P	01 28 23.6	+0.4
PAX	Paxson	82.47	27	P	P	01 28 24.5	+0.7
J25K	Salcha River	82.47	26	I Amb	I Amb	01 28 24.7	
J25K	Salcha River	82.47	26	P	P	01 28 23.6	-0.2
FYU	Fort Yukon	82.49	24	I Amb	I Amb	01 28 28.9	
C26K	Camden Bay	82.55	20	P	P	01 28 25.4	+1.5
HARP	HAARP	82.63	28	P	P	01 28 25.1	+0.6
WORD	Divnogorie	82.75	320	eP	pmax	01 28 22.1	-3.2
VORR	Voronetz	82.77	321	eP	pmax	01 28 23.6	-1.8
VSR	Storozhevoye	82.81	321	eP	pmax	01 28 22.3	-3.4
F26K	Shevik River	82.89	23	P	P	01 28 26.8	+1.1
LPSR	Galich'ya Gora	82.90	322	eP	pmax	01 28 22.8	-3.2
N25K	Chitina Valde	82.92	29	P	P	01 28 27.0	+0.9
BMRM	Bremner River	82.94	29	P	P	01 28 27.0	+0.8
G26K	Porcupine River	83.05	23	P	P	01 28 27.9	+1.4
SCRK	Sand Creek	83.10	26	I Amb	I Amb	01 28 28.7	
SCRK	Sand Creek	83.10	26	P	P	01 28 27.6	+0.5
J26L	Joseph Creek	83.26	26	I Amb	I Amb	01 28 30.4	
J26L	Joseph Creek	83.26	26	P	P	01 28 28.2	+0.2
MENT	Mentasta	83.27	27	I Amb	I Amb	01 28 30.1	
MENT	Mentasta	83.27	27	P	P	01 28 29.1	+1.3
GLB	Gilahina Butte	83.30	29	I Amb	I Amb	01 28 30.4	
I26K	Verde Repeater	83.39	25	I Amb	I Amb	01 28 31.1	
I26K	Coal Creek Min	83.39	25	P	P	01 28 28.9	+0.5
L26K	Log Cabin Wild	83.43	27	I Amb	I Amb	01 28 31.0	
L26K	Log Cabin Wild	83.43	27	P	P	01 28 29.4	+0.8
VRDI	Verde Repeater	83.49	29	I Amb	I Amb	01 28 31.3	
M26K	Nabesna, AK	83.63	28	I Amb	I Amb	01 28 32.3	
M26K	Nabesna, AK	83.63	28	P	P	01 28 30.3	+0.6
MCARA	McCarthy VSAT	83.69	29	P	P	01 28 30.7	+0.8
CRQE	Cirque	83.69	30	P	P	01 28 31.1	+0.9
E27K	Coleen River	83.82	22	I Amb	I Amb	01 28 33.2	
E27K	Coleen River	83.82	22	P	P	01 28 31.7	+1.2
G27K	Doyon Strip	83.90	23	I Amb	I Amb	01 28 34.0	
G27K	Doyon Strip	83.90	23	P	P	01 28 32.4	+1.4
K27K	Chicken Creek	83.94	26	P	P	01 28 32.6	+1.4
D27M	Malcolm River	83.97	21	I Amb	I Amb	01 28 33.9	
D27M	Malcolm River	83.97	21	P	P	01 28 32.6	+1.2
H27K	Steamboat Moun	84.00	24	P	P	01 28 32.8	+1.2
I27K	Kandik River	84.01	25	P	P	01 28 32.7	+1.1
L27K	Beaver Creek	84.12	27	I Amb	I Amb	01 28 34.9	
L27K	Beaver Creek	84.12	27	P	P	01 28 33.6	+1.4
OBN	Obninsk	84.13	325	P	P	01 28 32.2	-0.1
OBN	Obninsk	84.13	325	eP	pmax	01 28 31.4	-0.9
OBN	Obninsk	84.13	325	eP	pmax	01 28 42.2	
OBN	Obninsk	84.13	325	eP	pmax	01 38 48.7	-2.0
OBN	Obninsk	84.13	325	eP	pmax	01 28 31.4	-0.9
OBN	Obninsk	84.13	325	eP	pmax	01 28 42.2	
OBN	Obninsk	84.13	325	eP	pmax	01 38 48.7	-2.0
OBN	Obninsk	84.13	325	eP	pmax	01 28 31.4	-0.9
OBN	Obninsk	84.13	325	eP	pmax	01 28 42.2	
OBN	Obninsk	84.13	325	eP	pmax	01 38 48.7	-2.0
OBN	Obninsk	84.13	325	eP	pmax	01 28 31.4	-0.9
OBN	Obninsk	84.13	325	eP	pmax	01 28 42.2	
OBN	Obninsk	84.13	325	eP	pmax	01 38 48.7	-2.0
OBN	Obninsk	84.13	325	eP	pmax	01 28 31.4	-0.9
OBN	Obninsk	84.13	325	eP	pmax	01 28 42.2	
OBN	Obninsk	84.13	325	eP	pmax	01 38 48.7	-2.0
OBN	Obninsk	84.13	325	eP	pmax	01 28 31.4	-0.9
OBN	Obninsk	84.13	325	eP	pmax	01 28 42.2	
OBN	Obninsk	84.13	325	eP	pmax	01 38 48.7	-2.0
OBN	Obninsk	84.13	325	eP	pmax	01 28 31.4	-0.9
OBN	Obninsk	84.13	325	eP	pmax	01 28 42.2	
OBN	Obninsk	84.13	325	eP	pmax	01 38 48.7	-2.0
OBN	Obninsk	84.13	325	eP	pmax	01 28 31.4	-0.9
OBN	Obninsk	84.13	325	eP	pmax	01 28 42.2	
OBN	Obninsk	84.13	325	eP	pmax	01 38 48.	

1999

Table of astronomical observations for 1999, listing stations (e.g., NOA, YKA, JMJC), station names, coordinates, and observation times.

2017 NOV

Table of astronomical observations for 2017 NOV, listing stations (e.g., CAPC, PTAC, ZON), station names, coordinates, and observation times.

30ad 2h

Table of astronomical observations for 30ad 2h, listing stations (e.g., H1N12, H1N13, ASAR), station names, coordinates, and observation times.

2001

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station identifiers like VNA2, SONM, NVAR, etc.

JMA 30 02:48:57.0-2.0, 30N1°14'10E±1, h216km, MV3.5/24, NEAR TORISHIMA IS, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and station identifiers like CBJ, BSO1, BSO3, etc.

IDC 30 03:20:20.9-1.9, 16.25N-98.56W, h0km, mb4.3/6, mbmp4.3/11, ML3.4/4, MS3.7/11, Error ellipse: s-maj=37.0km s-min=17.0km az=8.0

NEIC 30 03:20:20.5-2.0, 16.10N-0.04-98.66W±0.04, h10km, 1km, mb4.6/22, Md4.5/22(MEX), Error ellipse: s-maj=7.2km s-min=6.5km az=247.0

MEX 30 03:20:20.9-0.5, 15.94N-98.88W, h16km, 999km, Md4.5

ISC 30 03:20:19.8±1.5, 16.06N-0.05-98.75W±0.04, h8km, 9km, n395.°189/314, mb4.6/91, MS3.7/11, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and station identifiers like PNIG, CRIG, MGIG, etc.

2017 NOV

Main table with columns: TXIG, PEIG, FTIG, etc., and station names like Puerto Escondi, Fresnillo de T, Huajuapán de L, etc.

30d 3h

Table with columns: OK048, 214A, RTBA, etc., and station names like Pawnee Station, Organ Pipe Nat, Rita Blanca, etc.

30d 3h

TZTN	Tazewell	24.47	31	P	P	03 25 40.4 +0.9
KMSC	Kings Mountain	24.58	36	I	I	03 25 45.0
KMSC	Kings Mountain	24.58	36	P	P	03 25 41.6 +1.2
TUQ	Turquoise Moun	24.66	325	P	P	03 25 44.5 +3.2
WCI	Wyandotte Cave	24.66	24	P	P	03 25 40.9 -0.2
WCI	Wyandotte Cave	24.66	24	P	P	03 25 42.6 +1.6
BFSC	Mount Baldy Ra	24.84	320	P	P	03 25 46.5 +3.6
P43A	Skaggs, Pawnee	24.84	17	I	I	03 25 52.9
MTPU	Mount Pierson	24.90	334	I	I	03 25 55.2
OGNE	Ogallala	24.96	354	P	P	03 25 46.5 +2.6
GSC	Goldstone, Bar	25.06	323	P	P	03 25 45.1 +0.2
GSC	Goldstone, Bar	25.06	323	P	P	03 25 56.1
GSC	Goldstone, Bar	25.06	323	P	P	03 25 48.5 +3.6
R49A	Shelbyville	25.17	26	I	I	03 25 47.7
SRU	San Rafael Sive	25.18	338	I	I	03 25 55.8
Q16A	Castle Valley	25.25	337	I	I	03 25 57.1
O20A	White River Ci	25.38	343	I	I	03 25 53.1
O20A	White River Ci	25.38	343	P	P	03 25 51.3 +3.5
BLO	Bloomington	25.40	23	I	I	03 25 50.2
EDW2	Edwards Air Fo	25.48	321	P	P	03 25 52.2 +3.6
R50A	Paris	25.52	27	I	I	03 26 22.1
N23A	Red Feather La	25.52	347	I	I	03 25 53.1
N23A	Red Feather La	25.52	347	P	P	03 25 52.0 +2.9
QSM	Queen of Sheba	25.57	324	P	P	03 25 49.9 +0.5
P17A	Butcher Ranch,	25.58	338	I	I	03 25 55.8
TMUT	Trail Mountain	25.59	337	I	I	03 26 17.4
GWY	Greenwater Val	25.62	325	I	I	03 26 01.2
PRN	Patrol Range	25.70	329	I	I	03 26 07.2
LRMC	Laurel Mtn Rad	25.70	322	P	P	03 25 54.3 +3.6
HDIL	Hopedale	25.76	17	I	I	03 25 52.6
HDIL	Hopedale	25.76	17	P	P	03 25 52.7 +1.8
PHWY	Pilot Hill	25.82	348	I	I	03 25 55.8
FURC	Furnace Creek,	25.93	325	P	P	03 25 56.4 +3.8
TPNV	Topopah Spring	25.96	327	P	P	03 25 56.9 +3.9
MPMC	Manual Prospec	25.99	324	P	P	03 25 56.2 +2.8
WCT	Wildcat Mouna	26.04	326	I	I	03 26 05.9
ARVC	Arvin	26.15	320	I	I	03 25 58.4 +3.8
RDMU	Red Mountain	26.17	341	I	I	03 26 06.7
SCIA	State Center	26.20	9	P	P	03 25 56.4 +1.5
SFIN	Lafayette	26.27	20	P	P	03 25 56.8 +1.2
ISA	Isabella, Lake	26.29	322	P	P	03 25 59.7 +3.7
MPU	Maple Canyon	26.38	337	I	I	03 26 08.3
P49A	Miami Univ, E	26.41	25	P	P	03 25 57.4 +0.5
BSUT	Blindstream Ca	26.53	339	I	I	03 26 08.2
BLA	Blacksburg	26.60	34	P	P	03 25 59.6 +0.9
CNCC	Climax of the	26.70	40	P	P	03 25 56.2 -3.4
VES	Vestal, Richgr	26.78	321	P	P	03 26 03.8 +3.5
O48B	Farmland	26.86	23	P	P	03 26 02.0 +1.1
T57A	Hurt	27.09	36	I	I	03 26 06.5
O49A	Covington	27.12	25	I	I	03 26 12.8
TCUT	Toone Canyon	27.27	339	I	I	03 26 12.2
P52A	Corning	27.61	28	P	P	03 26 09.0 +1.2
ECSD	EROS Data Cent	27.65	3	I	I	03 26 11.7
ECSD	EROS Data Cent	27.65	3	P	P	03 26 09.5 +1.4
L44A	Lake County Fo	27.65	18	P	P	03 26 09.6 +1.5
ACSO	Alum Creek Sta	27.72	27	P	P	03 26 09.4 +0.7
JFWS	Jewell Farm	27.74	13	P	P	03 26 10.3 +1.4
NVAR	Mina Array Bea	28.15	326	P	P	03 26 14.0 +1.1
NVAR	Mina Array Bea	28.15	326	P	P	03 26 15.7 +2.9
NVAR	Mina Array Bea	28.15	326	P	P	03 26 14.5 +1.4
BW06	Boulder Array	28.18	343	P	P	03 26 13.0 -0.2
BW06	Boulder Array	28.18	343	P	P	03 26 20.2
PD31	Pinedale Array	28.18	343	P	P	03 26 12.3 -0.8
PDAR	Pinedale Array	28.18	343	P	P	03 26 12.5 -0.6
PDAR	Pinedale Array	28.18	343	P	P	03 26 14.5 +1.4
SDV	Santo Domingo	28.34	101	P	P	03 26 14.5 -0.2
ELK	Elko	28.46	333	LR	LR	03 39 31.9
TPAW	Teton Pass	29.25	342	P	P	03 26 23.2 +0.5
FLWY	Flagg Ranch	29.72	342	P	P	03 26 22.6 -0.6
RLMT	Red Lodge	30.30	345	P	P	03 26 30.8 -1.1
RLMT	Red Lodge	30.30	345	P	P	03 26 36.3
YMR	Madison River	30.33	343	P	P	03 26 35.1 +3.2
YMR	Madison River	30.33	343	P	P	03 26 42.0 -0.1
BOZ	Bozeman (W)	31.37	343	P	P	03 26 41.2
BOZ	Bozeman (W)	31.37	343	P	P	03 26 43.8 +2.6
MDND	Madlock	31.71	359	P	P	03 26 44.7 +0.7
MDND	Madlock	31.71	359	P	P	03 26 46.1 +2.1
AGMN	Agassiz Nation	32.24	4	P	P	03 26 49.5 +0.9
EYMN	Ely	32.36	9	P	P	03 26 50.4 +0.7
PLID	Pearl Lake	32.38	337	P	P	03 26 50.4 +0.2
PLID	Pearl Lake	32.38	337	P	P	03 26 53.1
YBH	Yreka Blue Her	32.87	326	LR	LR	03 39 33.0
SADO	Sadowa	33.06	26	LR	LR	03 44 41.6
F10A	Beach Ranch E	33.60	336	P	P	03 27 01.0 +0.4

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F10A	comp=Z,10nm,1.0s	I	Amb	I	Amb	03 27 04.6
ULM	Lac du Bonnet	34.19	3	P	P	03 27 05.9 +0.3
RPN	Rapa Nui	44.14	194	LR	LR	03 41 50.3
SCHO	Schefferville	45.86	25	P	P	03 28 42.7 +0.2
YKA	Yellowknife Ar	47.71	350	P	P	03 28 57.1 +0.4
DLBC	Dease Lake	48.24	339	LR	LR	03 49 39.0
WTLY	Watson Lake, Y	49.10	341	P	P	03 29 09.7 +2.1
R33M	Jennings River	49.28	339	P	P	03 29 11.5 +2.4
TGNT	Hyland Airport	50.05	342	P	P	03 29 17.0 +2.1
P30M	Million Dollar	51.96	337	P	P	03 29 31.1 +1.9
H03N2	Juan Fernandez	52.73	159	T	T	04 26 27.8
H03N1	Juan Fernandez	52.74	159	T	T	04 26 29.0
H03N3	Juan Fernandez	52.75	159	T	T	04 26 28.0
YUK6	Outpost Mounta	53.02	337	P	P	03 29 39.3 +2.0
YUK4	Talbot Arm	53.39	337	P	P	03 29 42.7 +2.7
M29M	Somme Creek	54.03	338	P	P	03 29 46.8 +2.2
L29M	L29M	54.36	339	P	P	03 29 49.0 +2.1
K29M	Barlow Dome	54.65	340	P	P	03 29 51.2 +2.1
J30M	Hart River	54.77	341	P	P	03 29 52.5 +2.6
I00M	Mount Dempster	55.24	342	P	P	03 29 55.3 +2.0
L27K	Beaver Creek,	55.63	338	P	P	03 29 58.2 +2.1
M26K	Nabesna, AK	55.67	337	P	P	03 29 59.5 +3.1
CFA	Coronel Fontan	55.71	148	LR	LR	03 48 44.5
G31M	Satah River	55.87	344	P	P	03 29 59.7 +2.1
EPYK	Eagle Plains	56.15	343	P	P	03 30 01.3 +1.6
K27K	Chickadee	56.31	339	P	P	03 30 03.2 +2.4
EGAK	Eagle	56.46	340	P	P	03 30 03.8 +1.9
H29M	Whitestone	56.52	342	P	P	03 30 04.2 +1.9
INK	Inuvik	56.72	345	P	P	03 30 05.5 +1.9
F30M	Barrier River	56.78	344	P	P	03 30 06.2 +2.1
SCRK	Sand Creek	56.95	338	P	P	03 30 07.6 +2.0
J26L	Joseph Creek	57.11	339	P	P	03 30 09.6 +0.2
J26L	Joseph Creek	57.11	339	P	P	03 30 09.6 +3.0
SEW	Seward	57.12	333	P	P	03 30 08.8 +2.2
KDAK	Kodiak Island	57.59	329	LR	LR	03 53 58.7
E29M	Blow River	57.89	344	P	P	03 30 13.8 +1.8
F28M	Old Crow	57.90	343	P	P	03 30 13.7 +1.6
F28M	Old Crow	57.90	343	P	P	03 30 13.9 +1.8
G27K	Doyon Strip	57.91	341	P	P	03 30 13.6 +1.5
A36M	Sachs Harbour	58.07	351	P	P	03 30 13.3 +0.2
A36M	Sachs Harbour	58.07	351	I	Amb	03 30 16.1
A36M	Sachs Harbour	58.07	351	P	P	03 30 13.8 +0.7
HDA	Harding Lake	58.27	338	P	P	03 30 15.9 +1.2
SUA	Susitna One	58.31	334	P	P	03 30 16.8 +1.7
PRP	Porcupine Dome	58.38	339	P	P	03 30 17.5 +1.9
IL31	IL31	58.44	338	P	P	03 30 16.2 +0.4
IL31	IL31	58.44	338	I	Amb	03 30 18.5
ILAR	Eielson Army	58.44	338	P	P	03 30 16.8 +0.8
E28M	Babbage River	58.48	344	P	P	03 30 17.5 +1.4
MCK	McKinley	58.66	336	P	P	03 30 15.8 -1.7
MCK	McKinley	58.66	336	I	Amb	03 30 27.8
D28M	Stokes Point	58.77	345	P	P	03 30 19.0 +0.9
E27K	Coleen River	58.77	343	P	P	03 30 18.2
E27K	Coleen River	58.77	343	P	P	03 30 19.9 +1.7
N20K	Mount Spurr	58.82	333	P	P	03 30 21.3 +2.6
SPCR	Spier Chakacha	58.82	333	P	P	03 30 21.4 +2.7
POKR	Poker Plat Res	58.83	338	P	P	03 30 20.6 +2.0
SKT	Skwentna	58.88	334	P	P	03 30 21.5 +2.5
H25L	Birch Creek	58.91	340	P	P	03 30 20.8 +1.7
TRF	Thorofare Moun	59.05	336	P	P	03 30 21.2 -0.1
TRF	Thorofare Moun	59.05	336	P	P	03 30 20.9 +1.4
BWN	Browne	59.09	337	P	P	03 30 19.7 -0.7
Q18K	Katmai Hardscr	59.10	330	P	P	03 30 22.1 +1.4
NEA2	Nena	59.15	337	P	P	03 30 22.6 +1.8
BMAR	Burnt Mountain	59.19	341	P	P	03 30 20.9 -0.2
F26K	Shenjek Lake	59.22	342	P	P	03 30 22.8 +1.5
G25K	Bearman Lake	59.29	340	P	P	03 30 22.8 +1.1
D27M	Malcolm River	59.29	344	P	P	03 30 23.5 +1.7
H24K	Noodor Dome	59.37	339	P	P	03 30 23.2 +0.8
H24K	Noodor Dome	59.37	339	P	P	03 30 23.8 +1.4
M20K	Styx River	59.51	333	P	P	03 30 24.3 +1.3
I23K	Minto, Yukon-K	59.54	338	P	P	03 30 22.8 -1.0
I23K	Minto, Yukon-K	59.54	338	P	P	03 30 24.8 +1.4
PPLA	Purkeypile	59.56	335	P	P	03 30 25.1 +1.2
F25K	Christian River	59.62	341	P	P	03 30 25.1 +1.0
BPAW	Bear Paw Mtn.	59.63	336	P	P	03 30 25.9 +1.7
N19K	Bonza Creek	59.67	332	P	P	03 30 26.1 +1.5
G24K	Hadwenzic Riv	59.70	340	P	P	03 30 26.3 +1.7
CLST	Castle Rocks	59.75	335	P		

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CLCO Concord Point, CLEVES Cleveland East, and various other locations.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MKAR Makanchi Array, FINES FINES Array B, NOA NORPAR Array B, and various other locations.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TWC Suao, YMO1 YMO1, YMO1 YMO1, and various other locations.

2005

PMR	baz=272 Palmer	33.60	47	P	P	04 30 48.7 +1.0
RND	baz=275 Reindeer	33.60	43	P	I Amb	04 30 48.3 +0.5 04 30 49.1
RND	comp=Z,10.0nm,0.8s Reindeer	33.60	43	P	P	04 30 48.3 +0.5
SEW	baz=277 Seward	33.60	49	P	P	04 30 47.9 +0.1
WAT1	Susitna Watana	33.77	44	P	P	04 30 49.4 +0.2
D24K	Happy Valley	33.77	33	P	P	04 30 50.0 +0.9
D24K	Happy Valley	33.77	33	P	P	04 30 50.3 +1.1
E24K	Your Creek	33.80	35	P	P	04 30 50.1 +0.6
E24K	Your Creek	33.80	35	P	P	04 30 50.8 +1.3
MDM	Murphy Dome	33.82	41	P	I Amb	04 30 50.6 +0.9
C24K	comp=Z,13nm,0.9s Franklin Bluff	33.88	32	P	P	04 30 51.2 +1.1
KNK	Knik Glacier	33.94	47	P	I Amb	04 30 51.5 +0.8
KNK	Knik Glacier	33.94	47	P	I Amb	04 30 52.0
KNK	comp=Z,22nm,0.8s Knik Glacier	33.94	47	P	P	04 30 51.1 +0.4
SML	Sawmill	33.96	46	P	P	04 30 51.8 +0.9
SML	Sawmill	33.96	46	P	P	04 30 51.9 +1.0
H24K	baz=276,SNR=8.8 Noodor Dome	33.96	39	P	I Amb	04 30 52.2 +1.3 04 30 53.2
H24K	comp=Z,17nm,1.4s Noodor Dome	33.96	39	P	P	04 30 52.2 +1.3
COLA	College	33.99	41	P	I Amb	04 30 51.8 +0.8
COLA	College	33.99	41	P	P	04 30 53.0 +2.0
COLA	College	33.99	41	P	P	04 30 51.8 +0.8
COLA	comp=Z,27nm,0.9s College	33.99	41	P	P	04 30 52.2 +1.2
F24K	Squaw Lake	34.00	36	P	P	04 30 52.0 +0.8
F24K	Squaw Lake	34.00	36	P	P	04 30 52.1 +0.8
CCB	Clear Creek Bu	34.01	41	P	I Amb	04 30 51.7 +0.5
CCB	Clear Creek Bu	34.01	41	P	I Amb	04 30 53.1
PWL	Port Wells	34.06	48	P	P	04 30 51.9 +0.1
G24K	Hadweencic Riv	34.13	37	P	I Amb	04 30 53.6 +1.4
G24K	Hadweencic Riv	34.13	37	P	I Amb	04 30 55.6
G24K	comp=Z,30nm,1.4s Hadweencic Riv	34.13	37	P	P	04 30 53.7 +1.4
POKR	Poker Plat Res	34.16	40	P	I Amb	04 30 53.7 +1.2
POKR	Poker Plat Res	34.16	40	P	I Amb	04 30 55.4
POKR	comp=Z,26nm,1.2s Poker Plat Res	34.16	40	P	P	04 30 54.3 +1.8
WAT2	Susitna Watana	34.16	45	P	P	04 30 53.2 +0.4
M23K	Glacier View	34.25	46	P	P	04 30 54.5 +1.2
DHY	Denali Highway	34.29	44	P	P	04 30 54.1 +0.2
HDA	Harding Lake	34.39	41	P	I Amb	04 30 54.8 +0.2
HDA	Harding Lake	34.39	41	P	I Amb	04 30 55.9
HDA	comp=Z,11nm,0.5s Harding Lake	34.39	41	P	P	04 30 55.2 +0.7
IL31	Eielson Array	34.40	41	P	P	04 30 55.3 +0.8
ILAR	Eielson Array	34.40	41	P	P	04 30 55.1 +0.5
ILAR	comp=Z,3.3nm,0.5s, baz=262,slow=5.5,SNR=9.9 Eielson Array	34.40	41	P	P	04 31 36.8 -0.4
SCM	Sheep Creek Mo	34.43	46	P	P	04 30 55.9 +0.9
D25K	Kavik River	34.66	33	P	I Amb	04 30 57.7 +0.9
D25K	Kavik River	34.66	33	P	I Amb	04 31 03.8
D25K	comp=Z,11nm,0.7s Kavik River	34.66	33	P	P	04 30 58.2 +1.4
G25K	Bearman Lake	34.68	37	P	P	04 30 57.8 +0.9
H25L	Birch Creek	34.80	38	P	P	04 30 58.9 +1.0
F25K	Christian River	34.86	36	P	P	04 30 59.8 +1.2
E25K	Arctic Village	34.90	35	P	I Amb	04 31 00.3 +1.2
E25K	Arctic Village	34.90	35	P	I Amb	04 31 01.4
E25K	comp=Z,14nm,1.3s Arctic Village	34.90	35	P	P	04 31 00.1 +1.2
WHN	Wuhan	34.93	252	I/P	P	04 30 59.5 0.0
WHN	Wuhan	34.93	252	I/P	P	04 30 59.5 0.0
M24K	comp=Z,190nm,0.6s Tolsona, Glenn	34.94	45	P	P	04 31 00.6 +1.3
PRP	Porcupine Dome	34.95	39	P	I Amb	04 31 00.7 +1.3
PRP	Porcupine Dome	34.95	39	P	I Amb	04 31 01.4
PRP	comp=Z,14nm,0.9s Porcupine Dome	34.95	39	P	P	04 31 42.0 -0.1
K24K	Donnelly Dome	34.95	42	P	P	04 31 00.9 -0.3
F24K	Fort Yukon	35.03	38	P	I Amb	04 31 01.7 +1.8
F24K	Fort Yukon	35.03	38	P	I Amb	04 31 02.5
J25K	Salcha River	35.06	41	P	P	04 30 59.6 -0.7
KLU	Klutina	35.14	47	P	I Amb	04 31 01.8 +0.8
KLU	Klutina	35.14	47	P	I Amb	04 31 03.3
KLH	Klutina	35.14	47	P	P	04 31 01.7 +0.7
PAX	Paxson	35.16	44	P	P	04 31 02.1 +0.9
HARP	HAARP	35.38	45	P	P	04 31 03.9 +1.0
F26K	Sheenjek River	35.44	36	P	P	04 31 05.1 +1.6
G26K	Porcupine River	35.59	37	P	P	04 31 06.4 +1.7
SCRK	Sand Creek	35.72	42	P	P	04 31 06.3 +0.3
SCRK	Sand Creek	35.72	42	P	P	04 31 06.0 0.0
N25K	Chitina, Valde	35.75	46	P	I Amb	04 31 07.5 +1.2
N25K	Chitina, Valde	35.75	46	P	I Amb	04 31 08.2
N25K	comp=Z,9.6nm,0.6s Chitina, Valde	35.75	46	P	P	04 31 07.3 +1.1
BMRM	Bremner River	35.85	47	P	P	04 31 07.3 +0.3
J26L	Joseph Creek	35.85	41	P	P	04 31 07.3 +0.2
J26L	Joseph Creek	35.85	41	P	P	04 31 07.4 +0.4
MENT	Mentasta	35.96	44	P	I Amb	04 31 09.3 +1.3
MENT	Mentasta	35.96	44	P	I Amb	04 31 09.9
MENT	comp=Z,7.3nm,0.7s Mentasta	35.96	44	P	P	04 31 09.3 +1.3
XAN	Xi'an	36.11	262	I/P	P	04 31 09.5 -0.1
XAN	Xi'an	36.11	262	I/P	P	04 36 57.3 +0.7
L26K	Log Cabin Wild	36.12	44	P	P	04 31 10.1 +0.8
L26K	Log Cabin Wild	36.12	44	P	P	04 31 10.6 +1.3
M26K	Nabesna, AK	36.37	45	P	I Amb	04 31 13.1 +1.6
M26K	Nabesna, AK	36.37	45	P	I Amb	04 31 14.1
M26K	comp=Z,19nm,0.8s Nabesna, AK	36.37	45	P	P	04 31 13.1 +1.6
E27K	Coleen River	36.38	35	P	P	04 31 12.9 +1.4
G27K	Doyon Strip	36.44	37	P	P	04 31 13.8 +1.8
MCARA	McCarthy VSAT	36.53	46	P	P	04 31 14.1 +1.3
H27K	Steamboat Moun	36.54	38	P	P	04 31 14.9 +2.1

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K27K	Chicken	36.55	42	P	I Amb	04 31 13.9 +1.0
K27K	Chicken	36.55	42	P	I Amb	04 31 14.9
K27K	comp=Z,14nm,0.8s Chicken	36.55	42	P	P	04 31 14.2 +1.3
I27K	Kandik River	36.56	39	P	P	04 31 14.6 +1.6
D27M	Malcolm River	36.58	33	P	P	04 31 14.4 +1.2
D27M	Malcolm River	36.58	33	P	P	04 31 14.2 +1.1
CRQM	Cirque	36.59	47	P	P	04 31 15.1 +1.6
CRQE	Cirque	36.62	47	P	P	04 31 14.6 +1.0
L27K	Beaver Creek,	36.80	43	P	I Amb	04 31 16.8 +1.7
L27K	Beaver Creek,	36.80	43	P	I Amb	04 31 17.8
L27K	comp=Z,23nm,0.8s Beaver Creek,	36.80	43	P	P	04 31 16.8 +1.7
BCAR	Beaver Creek A	36.82	43	P	P	04 31 17.0 +1.8
BCAR	Beaver Creek A	36.82	43	P	P	04 31 59.0 +0.6
EGAK	Eagle	36.85	40	P	I Amb	04 31 15.8 +0.4
EGAK	Eagle	36.85	40	P	I Amb	04 31 16.6
EGAK	comp=Z,11nm,0.8s Eagle	36.85	40	P	P	04 31 59.1 +0.5
EGAK	Eagle	36.85	40	P	P	04 31 15.9 +0.6
M27K	Edge Creek, AK	36.89	45	I Amb	I Amb	04 31 18.7
M27K	Edge Creek, AK	36.89	45	P	P	04 31 17.6 +1.7
F28M	Old Crow	37.07	36	P	P	04 31 19.2 +2.0
E28M	Babage River	37.12	34	P	P	04 31 18.7 +1.0
I28M	Miner Creek	37.27	39	I Amb	I Amb	04 31 21.3
I28M	Miner Creek	37.27	39	P	P	04 31 20.7 +1.6
MESA	MESA	37.29	48	P	P	04 31 21.0 +1.6
BVCY	Beaver Creek	37.35	44	P	P	04 31 21.1 +1.4
CTG	Chitna Glacier	37.41	47	P	P	04 31 21.5 +1.2
YUK3	Moose Creek	37.66	45	P	P	04 31 23.3 +0.8
DAWY	Dawson	37.71	41	P	P	04 31 23.7 +1.0
E29M	Blow River	37.74	34	P	P	04 31 24.3 +1.5
H29M	Whitstone	37.81	38	P	P	04 31 24.9 +1.4
G29M	Pine Creek	37.86	37	P	P	04 31 25.5 +1.6
I29M	Ogilvie Camp,	37.96	39	I Amb	I Amb	04 31 26.8
I29M	Ogilvie Camp,	37.96	39	P	P	04 31 26.3 +1.6
O28M	Mount Upton	38.00	47	P	P	04 31 26.9 +1.5
YUK8	Steele Glacier	38.09	46	P	P	04 31 26.7 +0.6
PINM	Pinnacle	38.13	48	P	P	04 31 27.1 +0.8
LZH	Lanzhou	38.18	269	eP	P	04 31 27.0 -0.1
LZH	Lanzhou	38.18	269	eP	P	04 32 15.0 +4.8
LZH	Lanzhou	38.18	269	eP	P	04 32 33.0 -0.8
ENH	Enshi	38.19	257	I Amb	I Amb	04 31 30.4
ENH	Enshi	38.19	257	P	P	04 31 27.9 +0.8
M29M	Somme Creek	38.44	44	I Amb	I Amb	04 31 31.5
M29M	Somme Creek	38.44	44	P	P	04 31 30.6 +1.7
L29M	L29M	38.45	43	I Amb	I Amb	04 31 31.9
L29M	L29M	38.45	43	P	P	04 31 30.8 +1.9
EPYK	Eagle Plains	38.45	37	P	P	04 31 30.4 +1.6
G30M	tAoh Zraii Nji	38.55	36	P	P	04 31 31.0 +1.3
K29M	Barlow Dome	38.56	42	P	P	04 31 31.4 +1.5
F30M	Barrier River	38.63	35	P	P	04 31 32.4 +2.1
I30M	Mount Dempster	38.78	39	I Amb	I Amb	04 31 33.9
I30M	Mount Dempster	38.78	39	P	P	04 31 33.0 +1.3
YUK6	Outpost Mounta	38.83	46	P	P	04 31 32.7 +0.4
O29M	Mount Kennedy	38.89	47	P	P	04 31 33.8 +1.1
J30M	Hart River	38.93	40	P	P	04 31 34.2 +1.3
GTA	Gaotai	38.94	276	I/P	P	04 31 33.8 +0.4
GTA	Gaotai	38.94	276	I/P	P	04 32 18.3 +1.6
GTA	Gaotai	38.94	276	I/P	P	04 33 10.5 -1.3
GTA	Gaotai	38.94	276	I/P	P	04 33 40.3 +0.9
M30M	Minto, Yukon	39.16	43	P	P	04 31 36.2 +1.4
HYT	Haines Junctio	39.27	46	P	P	04 31 36.9 +1.1
N30M	Aishihik Lake	39.30	45	P	P	04 31 37.1 +1.2
G31M	Satah River	39.32	36	P	P	04 31 36.9 +1.0
MAYO	Mayo, Yukon	39.33	42	P	P	04 31 37.6 +1.5
INK	Inuvik	39.36	34	P	P	04 31 37.5 +1.3
F31M	Tsigiechic	39.43	35	P	P	04 31 38.3 +1.5
F31M	Tsigiechic	39.43	35	P	P	04 32 21.7 +1.4
F31M	comp=Z,12nm,0.8s Tsigiechic	39.43	35	P	P	04

30d 4h

AAK	comp=Z,13nm,0.7s	IAMB	IAMB	04 33 24.3	
AAK	Ala-Archa	53.02 295	P	P	04 33 22.9 -0.1
AAK	comp=Z,13nm,0.7s	P	Pmax		
CHTO	Chiang Mai	53.04 255	P	P	04 33 24.2 +0.9
CHTO	Chiang Mai	53.04 255	P	P	04 33 24.3 +1.0
CHTO	Chiang Mai	53.04 255	P	Pmax	04 33 24.2 +0.9
CMAR	Chiang Mai Arr	53.30 255	P	P	04 33 25.6 +0.4
CMAR	comp=Z,39nm,0.9s,baz=29,slow=7.2,SNR=104	P	PcP		
CMAR	comp=Z,4.5nm,0.6s,baz=15,slow=2.8,SNR=5.5	P	ScP		
CMAR	comp=Z,1.4nm,0.4s,baz=18,slow=4.0,SNR=7.5	P	ScP	04 38 07.5 +0.3	
ARU	Arti	53.38 316	P	P	04 33 24.6 -0.6
ARU	Arti	53.38 316	P	P	04 33 24.1 -1.1
ARU					04 34 28.9
ARU			S	S	04 40 39.9 -0.5
ARU			SS	SS	04 44 20.6 -2.0
ARU					
EKSZ	comp=Z,51nm,0.6s	53.43 295	P	P	04 33 26.1 +0.1
ERIN	Erin	53.43 295	P	P	04 33 26.1 +0.1
AML	Almayashu	53.80 295	P	P	04 33 29.0 0.0
KSH	Kashi	54.01 291	P	P	04 33 34.0 +3.8
DAG	comp=Z,12nm,1.1s	54.13 358	i P	P	04 33 29.0 -1.4
DAG	Danmarks Havn	54.13 358	i P	P	04 33 31.9
VADS	Vadso	54.26 340	eP	P	04 33 30.9 -0.5
EDM	Edmonton	54.36 48	IAMB	IAMB	04 33 34.2
DZA	Taraz	54.73 297	eP	P	04 33 34.3 -0.9
DZA	Taraz	54.73 297	eP	P	04 33 34.3 -0.9
E07A	Sunnyside	54.97 57	IAMB	IAMB	04 33 38.5
KK31	Karatay Array	55.08 298	IAMB	IAMB	04 33 38.5
KKAR	Karatay Array	55.08 298	IAMB	IAMB	04 33 38.5
HAMP	Hammerfest	55.08 342	eP	P	04 33 36.3 -1.0
JRN	Jiri	55.09 273	eP	P	04 33 38.3 -0.1
GUN	Gumba	55.12 274	eP	P	04 33 38.3 -0.3
RAMN	Ramite	55.30 272	eP	P	04 33 37.7 -0.1
F07A	Phinny Hill Vi	55.33 58	IAMB	IAMB	04 33 41.9
NEW	Newport	55.42 54	IAMB	IAMB	04 33 41.9
NEW	Newport	55.42 54	IAMB	IAMB	04 33 41.0 +0.9
PRGR	Permogore	55.42 327	eP	P	04 33 38.1 -1.7
PRGR					
I05D	Terrebonne, OR	55.48 60	IAMB	IAMB	04 33 43.1
ARAD	ARCES Array S	55.57 340	eP	P	04 33 39.8 -1.0
ARCES	ARCES Array B	55.57 340	eP	P	04 33 40.1 -0.7
KKN	Kakan	55.59 274	eP	P	04 33 41.8 -0.1
PKI	Pulchoki	55.66 274	eP	P	04 33 42.0 -0.4
PKIN	Pulchoki	55.66 274	eP	P	04 33 42.0 -0.4
DMN	Daman	55.83 274	eP	P	04 33 43.6 0.0
GKN	Gorkha	55.87 275	eP	P	04 33 43.6 -0.1
E09A	Wood Farm, Sta	55.93 56	IAMB	IAMB	04 33 45.7
IUG	Iuzhny	55.95 297	eP	P	04 33 43.7 -0.4
IUG	Iuzhny	55.95 297	eP	P	04 33 43.6 -0.4
IUG					
KIRV	Kirov	55.96 322	eP	P	04 33 42.8 -0.8
PINE	Pine Mountain	56.05 60	IAMB	IAMB	04 33 48.0
CHM	Chimkent	56.09 297	eP	P	04 33 44.1 -0.9
CHM	Chimkent	56.09 297	eP	P	04 33 44.0 -0.9
JSD	Fort Rock, OR	56.19 61	P	P	04 33 46.5 +0.2
DANN	Danginsing	56.21 275	eP	P	04 33 46.5 +0.2
L04D	Klamath Falls	56.23 63	IAMB	IAMB	04 33 48.8
SRDT	Sanana	56.28 215	P	P	04 33 48.6 +2.1
SANI	Sanana	56.41 214	P	P	04 33 46.8 -0.6
SANI	Sanana	56.41 214	P	P	04 33 45.7 -1.7
KT1	Kautokino	56.48 341	eP	P	04 33 46.7 -0.5
JETT	Jettan, Norway	56.63 37.2	eP	P	04 33 37.2 -1.1
I07A	Ize	56.68 59	IAMB	IAMB	04 33 51.9
KOLN	Koldanda	56.70 275	eP	P	04 33 49.6 -0.1
K05A	Summer Lake	56.74 61	IAMB	IAMB	04 33 53.0
BTK	Batken	56.76 294	IAMB	IAMB	04 33 50.4
TRO	Tromso	56.86 343	eP	P	04 33 48.6 -1.2
PYUN	Pyuthan	56.88 276	eP	P	04 33 50.8 -0.1
BMO	Blue Mountains	57.43 58	IAMB	IAMB	04 33 56.9
J08A	Circle Bar Ran	57.72 60	IAMB	IAMB	04 33 59.3
PLID	Pearl Lake	58.00 57	P	P	04 34 00.1 +1.6
MSO	Missoula	58.00 54	IAMB	IAMB	04 34 00.6
MSO	Missoula	58.00 54	pP	pP	04 34 45.7 +0.2
MSO	Missoula	58.00 54	pP	pP	04 33 59.7 +1.4
KLMR	Klimovskoe	58.11 328	eP	P	04 33 56.0 -2.7
KLMR	Klimovskoe	58.11 328	eP	P	04 33 56.6
KLMR	Klimovskoe	58.11 328	eP	P	04 34 46.4 +0.9
KLMR	Klimovskoe	58.11 328	eP	P	04 33 56.0 -2.7
KLMR	Klimovskoe	58.11 328	eP	P	04 34 46.3
SUMG	Summit	58.16 4	P	P	04 33 59.5 +0.1
SUMG	Summit	58.16 4	P	P	04 34 01.9
SUMG	Summit	58.16 4	P	Pmax	04 33 59.5 +0.1
SUMG	Summit	58.16 4	i P	P	04 33 58.0 -1.4
SUMG	Summit	58.16 4	IAMB	IAMB	04 34 01.2
WVOR	Wild Horse Val	58.21 60	IAMB	IAMB	04 34 02.5
ORV	Oroville	58.39 65	P	P	04 34 02.1 +1.1
ORV	Oroville	58.39 65	P	P	04 34 02.1 +1.1
FFC	Flin Flon	58.61 41	P	P	04 34 03.5 +1.2
FFC	Flin Flon	58.61 41	pP	pP	04 34 50.3 +0.2
FFC	Flin Flon	58.61 41	P	P	04 34 03.5 +1.2
FFC	Flin Flon	58.61 41	*PP	PcP	04 34 50.3 +0.2
FFC	Flin Flon	58.61 41		Pmax	
STOI	Steigen	59.02 343	eP	P	04 34 03.8 -1.0
LEF	Lofoten	59.16 344	eP	P	04 34 05.0 -0.8
EGMT	Eagleton	59.40 51	IAMB	IAMB	04 34 09.9
EGMT	Eagleton	59.40 51	P	P	04 34 08.7 +0.8
NIL	Nilore	59.43 287	P	P	04 34 08.0 -0.3
NIL	Nilore	59.43 287	P	P	04 34 08.0 -0.3
NIL	Nilore	59.43 287	P	Pmax	
FAUS	Fauske	59.48 343	eP	P	04 34 06.9 -1.2
PAHR	Pah Rah Range	59.54 63	IAMB	IAMB	04 34 11.3
PNTR	Pine Nut	59.81 64	IAMB	IAMB	04 34 13.6
HLID	Hailey	59.85 57	P	P	04 34 13.1 +1.9
BOZ	Bozeman (W)	60.02 54	P	P	04 34 13.0 +0.7
BOZ	Bozeman (W)	60.02 54	P	P	04 34 14.0

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BOZ	Bozeman (W)	60.02 54	P	pP	04 34 59.9 +0.3
BOZ	Bozeman (W)	60.02 54	P	*PP	04 34 13.0 +0.7
BOZ	Bozeman (W)	60.02 54	P	pP	04 34 59.9 +0.3
BOZ	Bozeman (W)	60.02 54	P	pP	04 34 14.3 +2.0
BOZ	Bozeman (W)	60.02 54	P	P	04 34 14.3 +2.0
YERR	Yerington	60.09 64	IAMB	IAMB	04 34 15.4
KSM	Kuching	60.26 232	P	P	04 34 16.0 +1.9
BMN	Battle Mount	60.32 61	P	P	04 34 16.4 +0.2
BMN	Battle Mount	60.32 61	IAMB	IAMB	04 34 17.0
BMN	Battle Mount	60.32 61	IAMB	IAMB	04 34 17.0
ILULI	Ilulissat	60.43 10	P	P	04 35 00.9 +3.5
ILULI	Ilulissat	60.43 10	P	P	04 34 13.9 -0.5
ILULI	Ilulissat	60.43 10	P	P	04 34 13.3 -1.2
ILULI	Ilulissat	60.43 10	i P	IAMB	04 34 13.3 -1.2
ILULI	Ilulissat	60.43 10	P	P	04 34 13.3 -1.2
KONS	Konsvik	60.68 343	eP	P	04 34 16.1 0.0
MORR	Moi Rana	60.71 342	eP	P	04 34 14.4 -1.9
KVN	Kaiserville	60.72 63	P	P	04 34 18.5 +1.4
KVN	Kaiserville	60.72 63	IAMB	IAMB	04 34 19.6
KVN	Kaiserville	60.72 63	pP	pP	04 35 04.6 0.0
KVN	Kaiserville	60.72 63	IAMB	IAMB	04 34 19.7
RYN	Ryan	60.75 64	pP	pP	04 35 04.6 0.0
RYN	Ryan	60.75 64	IAMB	IAMB	04 34 19.7
STOK	Stokvegan	60.84 343	eP	P	04 34 16.9 -0.4
BELG	Belogorye	60.87 318	eP	P	04 34 16.6 -1.0
BELG	Belogorye	60.87 318	Pmax	Pmax	
LHV	Little Hutton	61.01 64	IAMB	IAMB	04 34 21.9
NVAR	Mina Array Bea	61.01 64	P	P	04 34 20.7 +1.6
NVAR	Mina Array Bea	61.01 64	P	P	04 34 20.7 +1.6
NVAR	Mina Array Bea	61.01 64	P	P	04 35 06.8 +0.1
NVAR	Mina Array Bea	61.01 64	P	P	04 35 06.8 +0.1
YNR	Norris Junctio	61.11 54	IAMB	IAMB	04 34 24.3
YFT	Old Faithful	61.20 54	P	P	04 34 21.6 +1.3
YFT	Old Faithful	61.20 54	IAMB	IAMB	04 34 24.2
YFT	Old Faithful	61.20 54	P	P	04 35 09.2 +1.3
ELK	Elko	61.24 60	pP	pP	04 34 21.2 +0.5
ELK	Elko	61.24 60	pP	pP	04 35 07.9 -0.4
ELK	Elko	61.24 60	pP	pP	04 34 21.2 +0.5
ELK	Elko	61.24 60	*PP	pP	04 35 07.9 -0.4
ELK	Elko	61.24 60	Pmax	Pmax	
H17A	Grant Village	61.38 54	P	P	04 34 23.9 +2.3
H17A	Grant Village	61.38 54	IAMB	IAMB	04 34 25.8
H17A	Grant Village	61.38 54	P	P	04 34 24.9 +3.3
KBL	Kabul	61.44 291	P	P	04 34 20.4 -1.7
KBL	Kabul	61.44 291	IAMB	IAMB	04 34 21.3
KBL	Kabul	61.44 291	P	P	04 34 20.4 -1.7
KBL	Kabul	61.44 291	Pmax	Pmax	
RLMT	Red Lodge	61.58 53	P	P	04 34 24.2 +1.3
RLMT	Red Lodge	61.58 53	IAMB	IAMB	04 34 26.4
RLMT	Red Lodge	61.58 53	pP	pP	04 35 10.5 +0.2
RLMT	Red Lodge	61.58 53	pP	pP	04 34 24.8 +1.9
MOOW	Moose Ponds	61.72 55	P	P	04 34 24.5 +0.6
MOOW	Moose Ponds	61.72 55	pP	pP	04 35 12.2 +0.7
TPAW	Teton Pass	61.78 55	P	P	04 34 25.3 +0.9
TPAW	Teton Pass	61.78 55	IAMB	IAMB	04 34 27.7
TPAW	Teton Pass	61.78 55	P	pP	04 35 12.2 +0.2
DGMT	Dagmar	61.85 48	P	P	04 34 25.4 +1.0
LOHW	Long Hollow	61.89 55	P	P	04 34 27.2 +2.2
LOHW	Long Hollow	61.89 55	IAMB	IAMB	04 34 28.2
LOHW	Long Hollow	61.89 55	pP	pP	04 35 13.3 +0.7
FINES	FINES Array B	61.89 334	eP	Pmax	04 34 23.5 -0.8
FINES	FINES Array B	61.89 334	Pmax	Pmax	
FINES	FINES Array B	61.89 334	P	P	04 34 23.7 -0.6
FINES	FINES Array B	61.89 334	P	P	04 34 23.7 -0.6
FINES	FINES Array B	61.89 334	P	P	04 35 03.1 0.0
FINES	FINES Array B	61.89 334	P	P	04 35 03.1 0.0
SNOW	Snow King Moun	61.91 55	IAMB	IAMB	04 34 28.4
PUL	Pulkovo	61.96 331	i P	P	04 34 24.8 0.0
PUL	Pulkovo	61.96 331	Pmax	Pmax	
YES	Vestal, Richgr	62.27 66	P	P	04 34 28.1 +0.8
CWC	Cottonwood Cre	62.47 65	P	P	04 34 30.1 +1.3
GRAC	Grapevine Rang	62.52 64	IAMB	IAMB	04 34 31.6
GRAC	Grapevine Rang	62.52 64	P	P	04 34 30.9 +1.8

30d 5h

Table with columns: BFO, Black Forest, 78.24 337, P, P, 04 36 04.1 +0.2. Includes various meteorological data points and station names like WATA, TEKS, BOVS, MYKA, etc.

Table with columns: IDC 30 04:26:27.4, 2.6, 17.92Sx176.02W, h0km, mb4.4/5, mbtmp3.4/5, Error ellipse: s-maj=70.0km s-min=39.7km az=24.0, Fiji Islands region. Includes station names like CTA, STKA, WRA, ASAR, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes station names like PNIG, CRIG, MGIG, etc. and various meteorological data points.

2008

Table with columns: PLAL, Pickwick Lake, 21.02 25, P, P, 04 52 10.2 +0.1. Includes station names like X16A, T25A, MGMO, etc. and various meteorological data points.

30d 5h

J14K	Nanvaranak Lak	77.85	22	P	P	06 02 05.3 +1.0
UCH	Uchtor	77.92	315	P	P	06 02 06.3 +0.5
CHMS	Chumsh	77.98	316	P	P	06 02 05.8 +0.2
L15K	Ungalak Mounta	78.03	23	P	P	06 02 06.1 +0.8
AAK	Ala-Archa	78.05	315	P	P	06 02 06.2 0.0
AAK	Ala-Archa	78.05	315	P	P	06 02 05.9 -0.3
AAK	Ala-Archa	78.05	315	P	P	06 02 05.9 -0.3
TNA	Tin City	78.09	18	P	P	06 02 06.6 +1.0
P16K	Nushagak River	78.10	27	P	P	06 02 06.8 +1.0
KURK	Kurchatov	78.13	324	P	P	06 02 05.6 -0.5
KURK	Kurchatov	78.13	324	P	P	06 02 05.9 -0.2
KURB	Kurchatov	78.14	324	P	P	06 02 05.0 -1.2
KURBB	Kurchatov	78.14	324	P	P	06 02 06.3 0.0
KURBB	Kurchatov	78.14	324	P	P	06 02 05.0 -1.2
R17K	Ugashik Creek	78.16	28	P	P	06 02 07.2 +1.0
SGDS	Sogindy	78.20	316	P	P	06 02 06.3 -0.6
SGDS	Sogindy	78.20	316	P	P	06 02 06.2 -0.6
USP	Ospenovka	78.24	316	P	P	06 02 07.3 +0.3
ANM	Nome	78.29	20	I	Amb	06 02 09.3
ANM	Nome	78.29	20	P	P	06 02 07.9 +1.1
O16K	Kokwok River	78.34	26	I	Amb	06 02 09.4
O16K	Kokwok River B	78.34	26	P	P	06 02 07.8 +0.7
K15K	Wolf Creek Mou	78.36	23	P	P	06 02 08.2 +1.0
AML	Almayashu	78.47	314	P	P	06 02 09.1 +0.3
AML	Almayashu	78.47	314	P	P	06 02 09.1 +0.3
N16K	Nishliik Lake	78.50	25	P	P	06 02 08.7 +0.7
Q16K	King Gaimon	78.53	27	P	P	06 02 08.4 +0.3
F14K	Arctic Creek	78.55	19	P	P	06 02 08.6 +0.5
EKS2	Erkin-Say	78.57	315	P	P	06 02 09.7 +0.7
Q17K	Contact Creek	78.59	28	P	P	06 02 09.0 -0.2
M16K	Timber Creek	78.70	25	I	Amb	06 02 11.9
M16K	Timber Creek	78.70	25	P	P	06 02 09.7 +0.6
SII	Sitkinak Island	78.73	30	P	P	06 02 09.8 +0.4
L16K	Owhat River	78.85	24	I	Amb	06 02 11.8
L16K	Owhat River	78.85	24	P	P	06 02 10.3 +0.5
O17K	Kolligank	78.87	26	P	P	06 02 10.4 +0.4
P17K	Kvichak River	78.88	27	P	P	06 02 10.3 +0.2
G15K	Niukluk	79.01	20	P	P	06 02 10.9 +0.2
R18K	Karluk	79.05	29	P	P	06 02 11.1 +0.1
BTL5	Baital	79.09	317	I	P	06 02 11.1 -0.4
BTL5	Baital	79.09	317	P	P	06 02 11.1 -0.4
N17K	Nushagak Hills	79.20	26	P	P	06 02 12.3 +0.5
F15K	North Star Dit	79.24	19	I	Amb	06 02 14.5
F15K	North Star Dit	79.24	19	P	P	06 02 12.6 +0.7
J16K	Anvik River	79.26	22	P	P	06 02 12.6 +0.5
Q18K	Katmai Hardscr	79.28	28	P	P	06 02 12.5 +0.1
H16K	Elim	79.42	21	P	P	06 02 13.8 +0.9
M17K	Holтна River	79.53	25	I	Amb	06 02 16.8
M17K	Holтна River	79.53	25	P	P	06 02 14.6 +1.1
L17K	Donlin	79.55	24	P	P	06 02 14.8 +1.1
H17K	Unalakleet	79.56	22	I	Amb	06 02 16.8
H17K	Unalakleet	79.56	22	P	P	06 02 14.6 +1.0
ROCAM	Rodrigues Isla	79.59	251	P	P	06 02 14.6 -0.2
O18K	Koktuk Hills	79.74	27	P	P	06 02 15.4 +0.6
G16K	Koyuk River	79.82	20	P	P	06 02 15.8 +0.7
N18K	Kilae Creek	79.83	26	P	P	06 02 16.2 +0.9
K17K	Iditarod	79.85	23	P	P	06 02 16.1 +0.9
BTK	Batken	80.01	312	I	Amb	06 02 52.5
Q19K	Cape Douglas,	80.04	28	P	P	06 02 16.7 +0.3
KDAK	Kodiak Island	80.04	29	P	P	06 02 16.9 +0.5
KDAK	Kodiak Island	80.04	29	P	P	06 02 16.9 +0.5
KDAK	Kodiak Island	80.04	29	P	P	06 02 16.9 +0.5
KDAK	Kodiak Island	80.04	29	P	P	06 02 16.9 +0.5
KBL	Kabul	80.11	306	P	P	06 02 16.3 -1.3
KBL	Kabul	80.11	306	P	P	06 02 16.3 -1.3
KBL	Kabul	80.11	306	P	P	06 02 16.3 -1.3
SVW2	Sparrevoohn	80.17	25	I	Amb	06 02 19.9
SVW2	Sparrevoohn	80.17	25	P	P	06 02 18.2 +1.2
L18K	Granite Mounta	80.24	24	I	Amb	06 02 20.4
L18K	Granite Mounta	80.24	24	P	P	06 02 18.1 +0.7
M18K	Stony River	80.25	25	P	P	06 02 18.1 +0.6
O19K	Port Alsworth	80.30	27	P	P	06 02 18.3 +0.6
DZA	Taraz	80.36	315	eP	P	06 02 18.0 -0.5
DZA	Taraz	80.36	315	eP	P	06 02 18.0 -0.5
H17K	Granite Mounta	80.42	21	P	P	06 02 18.9 +0.6
G17K	Kwailk Mounta	80.47	20	P	P	06 02 19.1 +0.5
Q20K	Shuyak Island	80.49	28	P	P	06 02 19.2 +0.5
N19K	Bonanza Creek	80.51	26	P	P	06 02 19.4 +0.4
P19K	Oil Pt	80.55	27	P	P	06 02 19.3 +0.1
C16K	Lisburne Hills	80.61	17	P	P	06 02 19.8 +0.6
F17K	Baldwin Pennin	80.79	29	P	P	06 02 20.9 +0.7
J18K	Innoko River	80.85	23	I	Amb	06 02 22.9
J18K	Innoko River	80.85	23	P	P	06 02 20.9 +0.2
TTA	Tatalina	80.87	24	I	Amb	06 02 23.2
TTA	Tatalina	80.87	24	P	P	06 02 21.4 +0.6
TTA	Tatalina	80.87	24	P	P	06 02 21.0 +0.2
D17K	Noatak River	80.94	18	P	P	06 02 21.5 +0.6
E17K	Hotnam Inlet	80.97	19	P	P	06 02 22.0 +0.8
L19K	White Mountain	80.98	25	P	P	06 02 21.8 +0.5

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KK31	Karatay Array	81.00	315	P	I	Amb	P	06 02 21.1 -0.8
KK31	Karatay Array	81.00	315	P	I	Amb	P	06 02 21.1 -0.8
KK31	Karatay Array	81.00	315	P	I	Amb	P	06 02 21.1 -0.8
KKAR	Karatay Array	81.00	315	P	I	Amb	P	06 02 21.1 -0.8
KKAR	Karatay Array	81.00	315	P	I	Amb	P	06 02 21.1 -0.8
O20K	Slope Mountain	81.01	27	P	P	P	P	06 02 22.1 +0.5
M19K	Big River Lodg	81.05	25	P	P	P	P	06 02 22.5 +0.8
H18K	Honhosha River	81.09	21	P	P	P	P	06 02 22.5 +0.6
IUG	Iuzhny	81.10	314	eP	P	P	P	06 02 22.5 -0.1
IUG	Iuzhny	81.10	314	eP	P	P	P	06 02 22.5 -0.1
IUG	Iuzhny	81.10	314	eP	P	P	P	06 02 22.5 -0.1
OTUK	Ortayu	81.16	320	P	I	Amb	P	06 02 21.9 -0.8
RDOC	Red Dog Mine	81.20	18	I	Amb	P	P	06 02 22.4
RDOG	Red Dog Mine	81.20	18	P	P	P	P	06 02 22.9 +0.5
HOM	Home	81.28	28	P	P	P	P	06 02 23.3 +0.4
C17K	DeLong Mountai	81.37	17	P	P	P	P	06 02 23.6 +0.3
G18K	Tagagavik	81.38	20	P	P	P	P	06 02 23.8 +0.4
CNMP	China Point	81.41	28	I	Amb	I	Amb	06 02 25.1
GCSA	Galena City Sc	81.43	22	P	P	P	P	06 02 24.1 +0.5
CHM	Chimkent	81.45	314	eP	P	P	P	06 02 24.3 0.0
CHM	Chimkent	81.45	314	eP	P	P	P	06 02 24.3 0.0
CHM	Chimkent	81.45	314	eP	P	P	P	06 02 24.3 0.0
BRZ5	Berezniiki	81.46	322	eP	P	P	P	06 02 23.7 -0.5
BRZ5	Berezniiki	81.46	322	eP	P	P	P	06 02 23.7 -0.5
L20K	Farewell, AK	81.52	25	P	P	P	P	06 02 24.5 +0.3
J19K	Poorman	81.53	23	P	P	P	P	06 02 25.0 +0.7
E18K	Tukpahleark C	81.56	19	P	P	P	P	06 02 24.8 +0.5
M20K	Styx River	81.57	25	I	Amb	I	Amb	06 02 27.0
M20K	Styx River	81.57	25	P	P	P	P	06 02 24.8 +0.2
N20K	Mount Spurr	81.67	26	P	P	P	P	06 02 24.8 -0.3
SPCR	Spu Chakacha	81.67	26	P	P	P	P	06 02 24.7 -0.4
BRSE	Bradley Lake S	81.73	28	P	P	P	P	06 02 25.6 +0.3
K20K	Telida	81.84	24	I	Amb	I	Amb	06 02 28.6
K20K	Telida	81.84	24	P	P	P	P	06 02 26.2 +0.3
CAPN	Captain Cook N	81.96	27	P	P	P	P	06 02 26.6 +0.2
H19K	Roundabout Mou	81.97	21	P	P	P	P	06 02 26.7 +0.3
G19K	Purcell Mounta	82.06	21	P	P	P	P	06 02 27.4 +0.5
C18K	Utukok River	82.06	18	P	P	P	P	06 02 26.9 -0.1
F19K	Shalerucik Mo	82.17	20	P	P	P	P	06 02 27.5 0.0
J20K	Novata River	82.19	23	P	P	P	P	06 02 28.0 +0.4
SKT	Skwentna	82.30	25	P	P	P	P	06 02 27.6 -0.7
B18K	Kokolik River	82.30	17	P	P	P	P	06 02 28.1 0.0
I20K	Naagheedeneel	82.35	22	P	P	P	P	06 02 28.8 +0.3
PPLA	Purkeypile	82.41	25	P	P	P	P	06 02 28.6 -0.4
SUA	Susitna One	82.42	26	I	Amb	I	Amb	06 02 29.9
SUA	Susitna One	82.42	26	P	P	P	P	06 02 28.2 -0.9
SEW	Seward	82.47	28	P	P	P	P	06 02 31.7 -0.5
MAW	Mawson	82.48	202	P	P	P	P	06 02 30.0 +0.9
MAW	Mawson	82.48	202	P	P	P	P	06 02 30.0 +0.9
O22K	Cooper Landing	82.49	27	P	P	P	P	06 02 29.0 -0.3
H20K	Antonnegga Mo	82.53	22	P	P	P	P	06 02 29.2 -0.3
CAST	Castle Rocks	82.67	24	I	Amb	I	Amb	06 02 31.8
CAST	Castle Rocks	82.67	24	P	P	P	P	06 02 29.6 -0.7
E19K	Redstone River	82.68	19	P	P	P	P	06 02 30.4 +0.3
RC01	Rabbit Creek A	82.72	27	P	P	P	P	06 02 29.8 -0.6
CHUM	Lake Minchumim	82.78	24	P	P	P	P	06 02 30.2 -0.5
C19K	Lookout Ridge	82.80	18	P	P	P	P	06 02 30.8 0.0
M22K	Wilow	82.81	26	P	P	P	P	06 02 30.2 -0.7
D19K	Kuna River	82.93	18	P	P	P	P	06 02 31.4 0.0
F20K	Avarart Lake	82.98	20	P	P	P	P	06 02 31.9 +0.2
CUT	Chulitna	83.01	25	P	P	P	P	06 02 30.9 -1.0
PMR	Palmer	83.19	26	P	P	P	P	06 02 32.4 -0.4
PMR	Palmer	83.19	26	P	P	P	P	06 02 32.0 -0.9
KTH	Kantishna Hill	83.20	24	I	Amb	I	Amb	06 02 34.1
PWL	Port Wells	83.27	27	P	P	P	P	06 02 32.9 -0.5
GHO	Glory Hole Cre	83.35	26	I	Amb	I	Amb	06 02 34.7
H21K	Melozitna Rive	83.37	22	P	P	P	P	06 02 33.6 -0.2
P23K	Montague Islan	83.39	28	P	P	P	P	06 02 33.0 -0.9
BPAW	Bear Paw Mtn.	83.41	24	I	Amb	I	Amb	06 02 35.4
BPAW	Bear Paw Mtn.	83.41	24	P	P	P	P	06 02 33.0 -1.0
KNK	Knig Glacier	83.42	27	I	Amb	I	Amb	06 02 35.9
KNK	Knig Glacier	83.42	27	P	P	P	P	06 02 33.3 -0.8
E20K	Nigu River	83.42	19	P	P	P	P	06 02 33.4 -0.7
TRF	Thorofore Moun	83.42	24	P	P	P	P	06 02 33.2 -1.1
I21K	Tanana	83.47	22	I	Amb	I	Amb	06 02 36.9
I21K	Tanana	83.47	22	P	P	P	P	06 02 34.0 -0.3
G21K	Allakaket	83.50	21	P	P	P	P	06 02 34.3 -0.1
D20K	Etiuvik River	83.52	18	P	P	P	P	06 02 34.2 -0.3
SML	Sawmill	83.62	26	P	P	P	P	06 02 34.5 -0.7
Q23K	Middleton Isla	83.69	29	P	P	P	P	06 02 35.1 -0.3
BVAO	Borovoye Array	83.70	324	P	P	P	P	06 02 35.4 -0.3
BVAR	Borovoye Array	83.70	324	P	P	P	P	06 02 35.9 +0.1
BRVK	Borovoye	83.77	324	P	I	Amb	P	06 02 35.6 -0.5
BRVK	Borovoye	83.77	324	P	I	Amb	P	06 02 37.9
BRVK	Borovoye	83.77	324	eP	P	P	P	06 02 35.7 -0.4

2013

2017 NOV

30d 5h

Table with columns for station ID, name, elevation, frequency, and various signal quality metrics (SNR, S/N, etc.). Rows include stations like GRNC Granite Creek, G25K Bearman Lake, C24K Franklin Bluff, etc., up to ISA Isabella, Lake.

30d 6h

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DWPF Disney Wildern, OKXF Oxford, OK048 Pawnee Station, etc.

2017 NOV

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TPNV Topopah Spring, MPMC Manual Prospec, IMBA Imbabura, etc.

2016

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SMPI Sarmi, GENI Genyem, SAUI Saumlaki, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, VILC, comp, Z, 4nm, 0.5s, CHIC, Chingaza, 5.52, 70, eP, Pn, 06 28 13.3 +1.9, 06 29 18.7 +3.3, 06 29 22.2.

IDC 30 06:18:46.8:0.7, 12.12N:143.96E, h0km, mb4.1/11, mbmp4.1/11, MS3.5/1, Error ellipse: s-maj=27.6km s-min=15.0km az=104.0.

NEIC 30 06:18:49.3:0.7, 12.15N:143.97E:0.06, h10km, 1km, mb4.2/13, Error ellipse: s-maj=16.9km s-min=5.7km az=147.0.

ISC 30 06:18:50.8:0.6, 12.11N:144.0E:0.1, h26km, n34, o#62/29, mb4.2/18, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, VILC, comp, Z, 4nm, 0.5s, CHIC, Chingaza, 5.52, 70, eP, Pn, 06 28 13.3 +1.9, 06 29 18.7 +3.3, 06 29 22.2.

IDC 30 06:25:21.8:2.8, 54.19N:87.12E, h0km, mbmp3.0/2, ML2.5/2, Error ellipse: s-maj=24.9km s-min=15.6km az=66.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, VILC, comp, Z, 4nm, 0.5s, CHIC, Chingaza, 5.52, 70, eP, Pn, 06 28 13.3 +1.9, 06 29 18.7 +3.3, 06 29 22.2.

IDC 30 06:26:44.0:0.9, 2.94N:79.38W, h0km, mb3.6/8, mbmp3.6/10, ML2.4/2, MS2.9/2, Error ellipse: s-maj=28.2km s-min=18.3km az=63.0.

RSNC 30 06:26:46.8:1.1, 2.96N:79.32W, h32km, 17km, ML3.4, MW3.7.

NEIC 30 06:26:49.3:1.6, 2.69N:0.04W:78.89W:0.07, h10km, 1km, mb4.4/20, Error ellipse: s-maj=12.6km s-min=7.1km az=78.0.

ISC 30 06:26:48.4:1.5, 2.71N:0.03W:78.92W:0.04, h7km, 10km, n135, e#247/157, mb4.3/15, 15C, Near west coast of Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, VILC, comp, Z, 4nm, 0.5s, CHIC, Chingaza, 5.52, 70, eP, Pn, 06 28 13.3 +1.9, 06 29 18.7 +3.3, 06 29 22.2.

IDC 30 06:29:47.2:2.8, 54.28N:85.90E, h0km, mbmp2.9/2, ML2.5/2, Error ellipse: s-maj=19.4km s-min=10.3km az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, VILC, comp, Z, 4nm, 0.5s, CHIC, Chingaza, 5.52, 70, eP, Pn, 06 28 13.3 +1.9, 06 29 18.7 +3.3, 06 29 22.2.

2019

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like Castelo Branco, Coimbra, Coimbra, Mercedes, etc.

2017 NOV

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like Limon Verde, Limon Verde, Limon Verde, etc.

30d 6h

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like Fraserburg, Guyana, Caidas Prieska, etc.

30d 6h

PIZC	Pizarro, Choco	54.22 277	eP	P	06 42 14.0	-2.5
VLC	Villacollemand	54.23 30	IP	P	06 42 16.3	+0.2
CO06	Fray Jorge	54.29 232	IAMB	IAMB	06 42 26.9	
comp=Z,157nm,0.9s						
KSR	Koster	54.29 121	eP	P	06 42 17.9	+0.8
comp=Z,90nm,1.5s						
CUC	Castroccoco	54.36 37	IAMS_20	IAMS_20	07 05 12.9	
comp=Z,30um,20.0s						
NHAM	Northam, North	54.36 120	eP	P	06 42 18.3	+0.8
comp=Z,365nm,1.5s						
SOLC	Bahia Solano	54.39 278	eP	P	06 42 13.0	-4.7
TULM	Tuñin-Chalpat	54.40 272	eP	P	06 42 18.1	-0.4
TULM	Tuñin-Chalpat	54.40 272	eP	P	06 42 16.9	+1.5
TIP	Tipagrande	54.43 38	IP	P	06 42 17.9	+0.2
TIP	Tipagrande	54.43 38	P	P	06 42 17.3	-0.5
comp=Z,347nm,1.7s						
TIP	Tipagrande	54.43 38	IP	P	06 42 17.2	-0.5
CMBC	Cumbral	54.44 272	eP	P	06 42 18.1	-0.6
SENI	Lac Senin/Sane	54.45 26	P	P	06 42 18.5	+0.6
LEPH	Lephalae, Lim	54.47 119	eP	P	06 42 19.2	+0.9
LMEL	Las Melosas	54.52 328	IAMB	IAMB	06 42 51.5	
AQU	L'Aquila	54.52 33	IAMB	IAMB	06 42 22.9	
AQU	L'Aquila	54.52 33	IP	P	06 42 18.9	+0.6
INU	Introdacqua	54.57 34	IAMB	IAMB	06 42 41.1	
comp=Z,232nm,1.4s						
CRAL	Swartwater, Ls	54.57 117	eP	P	06 42 20.1	+1.0
PEL	Peldehue	54.57 229	IAMB	IAMB	06 42 29.6	
comp=Z,143nm,1.1s						
PEL	Peldehue	54.57 229	IP	P	07 05 25.3	
PEL	Peldehue	54.57 229	IP	P	06 42 18.4	-0.5
MT03	Universidad Ad	54.59 229	IAMB	IAMB	06 42 30.8	
comp=Z,376nm,1.1s						
CAPC	Capurgana	54.61 281	eP	P	06 42 18.5	-0.8
CAMP	Campoto	54.65 33	IAMB	IAMB	06 42 22.3	
ZCCA	Zocca	54.66 30	IAMS_20	IAMS_20	07 03 27.6	
comp=Z,26um,20.0s						
MURB	Monte Urbino	54.68 32	IAMB	IAMB	06 42 39.6	
comp=Z,238nm,1.2s						
MURB	Monte Urbino	54.68 32	IAMS_20	IAMS_20	07 04 04.2	
comp=Z,27um,20.0s						
NRCA	Norcica	54.69 32	IAMS_20	IAMS_20	07 04 21.6	
comp=Z,29um,20.0s						
GRAF	Camdeboo Natio	54.70 130	eP	P	06 42 20.7	+0.9
GRAF	Camdeboo Natio	54.70 130	IAMB	IAMB	06 42 33.1	
NYAT	Nyati, Northwe	54.72 121	eP	P	06 42 20.9	+0.8
NYAT	Nyati, Northwe	54.72 121	IAMB	IAMB	06 42 26.3	
MT05	Renca	54.72 229	IAMB	IAMB	06 43 03.8	
comp=Z,286nm,1.3s						
GTBY	Guantanamo Bay	54.79 295	IAMB	IAMB	06 42 48.2	
GTBY	Guantanamo Bay	54.79 295	iP	P	06 42 21.6	+1.1
GTBY	Guantanamo Bay	54.79 295	iP	P	06 42 19.1	-1.5
GTBY	Guantanamo Bay	54.79 295	iP	P	06 42 20.6	0.0
IMBA	Imbabura, San	54.80 271	IAMS_20	IAMS_20	07 03 02.3	
comp=Z,19um,22.0s						
HVD	Garipe Dam	54.81 127	eP	P	06 42 21.5	+0.7
HVD	Garipe Dam	54.81 127	IAMB	IAMB	06 42 33.9	
comp=Z,541nm,1.2s						
FDMO	Fjordfente	54.82 32	IAMB	IAMB	06 42 23.4	
comp=Z,121nm,0.9s						
PIAT	Ana Tenorio	54.83 270	eP	P	06 42 20.2	-1.3
PTAC	Punta Arditia,	54.88 279	eP	P	06 42 20.5	-0.8
BO04	La Punta	54.88 228	IAMB	IAMB	06 42 35.9	
comp=Z,17nm,0.9s						
WDLM	Western Deep L	54.92 122	eP	P	06 42 24.2	+2.5
WDLM	Western Deep L	54.92 122	IAMB	IAMB	06 42 34.5	
comp=Z,171nm,1.5s						
GUMA	Curacav	54.97 229	IAMS_20	IAMS_20	07 05 57.5	
comp=Z,27um,20.0s						
MT02	Gualdo di Mace	54.99 32	IAMB	IAMB	06 42 43.1	
comp=Z,356nm,1.3s						
GUMA	Gualdo di Mace	54.99 32	IAMS_20	IAMS_20	07 03 55.9	
comp=Z,49um,22.0s						
HRAO	HariRAO	54.98 121	eP	P	06 42 22.8	+0.7
HRAO	HariRAO	54.98 121	IAMB	IAMB	06 42 34.4	
comp=Z,207nm,1.2s						
CUSE	Cuicocha Est	55.00 271	eP	P	06 42 19.8	-2.9
PRYS	Parys	55.03 122	eP	P	06 42 27.2	+0.8
PRYS	Parys	55.03 122	IAMB	IAMB	06 42 27.2	
comp=Z,244nm,1.6s						
OTAV	Otavalo	55.05 271	P	P	06 42 22.2	-0.9
OTAV	Otavalo	55.05 271	IAMS_20	IAMS_20	07 03 34.0	
comp=Z,22um,20.0s						
OTAV	Otavalo	55.05 271	P	P	06 42 22.2	-0.9
OTAV	Otavalo	55.05 271	IP	P	06 42 22.2	-0.9
OTAV	Otavalo	55.05 271	IP	P	06 42 21.9	-1.2
OTAV	Otavalo	55.05 271	IP	P	06 42 22.8	-0.3
BOSC	San Juan Bosco	55.07 267	eP	P	06 42 22.2	-0.8
BOSC	San Juan Bosco	55.07 267	IAMB	IAMB	06 42 23.5	
comp=Z,225nm,0.6s						
MT09	Talagante	55.08 229	IAMB	IAMB	06 42 37.1	
comp=Z,208nm,0.8s						
PULU	Pululahua	55.09 271	P	P	06 42 22.6	-0.8
IWEX	Carriacbyrne,	55.10 12	eP	P	06 42 23.3	+1.1
ATAH	Atahualpa	55.12 262	LR	LR	07 05 25.0	
comp=Z,46um,21.1s						
RSBS	Rosebush, Pemb	55.17 14	eP	P	06 42 24.7	+1.9
RSBS	Rosebush, Pemb	55.17 14	IAMS_20	IAMS_20	07 00 31.4	
comp=Z,22um,16.7s						
TSWA	Tswaing Meteor	55.18 120	eP	P	06 42 24.1	+0.6
TSWA	Tswaing Meteor	55.18 120	IAMB	IAMB	06 42 36.0	
comp=Z,458nm,1.4s						
MT01	Popeta	55.31 229	IAMB	IAMB	06 42 36.1	
comp=Z,148nm,1.1s						
SALO	Sair	55.36 28	P	P	06 42 23.7	-0.6
SALO	Sair	55.36 28	IAMB	IAMB	06 42 26.3	
comp=Z,240nm,1.2s						
SALO	Sair	55.36 28	IP	P	06 42 23.8	-0.5
BO02	Sierra Bellavi	55.37 227	IAMB	IAMB	06 42 40.0	
comp=Z,111nm,0.8s						
BO02	Sierra Bellavi	55.37 227	IP	P	06 42 24.0	-0.6
TUMC	Tumaco	55.38 273	eP	P	06 42 23.9	-1.1
PACT	Pacto, Paraso	55.39 271	eP	P	06 42 23.2	-2.0
BO01	Tunca	55.42 228	IAMB	IAMB	06 42 48.0	
comp=Z,169nm,1.1s						
CHSH	Refugio Sur-Vo	55.44 269	IAMB	IAMB	06 42 37.7	
SLR	Silverton	55.44 121	eP	P	06 42 26.2	+0.8
SLR	Silverton	55.44 121	IAMB	IAMB	06 42 37.6	
comp=Z,136nm,0.9s						
TUE	Stuetta	55.45 27	P	P	06 42 24.3	-0.8
TUE	Stuetta	55.45 27	IAMS_20	IAMS_20	07 04 27.4	
comp=Z,22um,20.0s						
TUE	Stuetta	55.45 27	IP	P	06 42 24.4	-0.7
OLDB	Oldbury-Upon-S	55.47 16	eP	P	06 42 15.5	+0.8
WOL	Wolverton	55.52 17	eP	P	06 42 25.8	+0.5
SWN1	Swindon	55.54 16	eP	P	06 42 26.8	+1.4
SWN1	Swindon	55.54 16	IAMB	IAMB	06 42 28.2	
comp=Z,306nm,1.1s						
MONM	Monmouth	55.56 15	eP	P	06 42 26.1	+0.6
MONM	Monmouth	55.56 15	IAMB	IAMB	06 42 30.0	
comp=Z,122nm,1.1s						
MONM	Monmouth	55.56 15	IAMS_20	IAMS_20	06 59 04.7	
comp=Z,25um,30.8s						
HMXN	Hermestown	55.60 18	eP	P	06 42 27.0	+1.2
HMXN	Hermestown	55.60 18	IAMB	IAMB	06 42 28.6	
comp=Z,363nm,1.2s						
MCH1	Michaelchurch	55.65 15	eP	P	06 42 26.8	+0.6
MCH1	Michaelchurch	55.65 15	IAMB	IAMB	06 42 30.2	
comp=Z,154nm,1.2s						
MCH1	Michaelchurch	55.65 15	IP	P	06 42 26.4	+0.2
SOLE	Somerset East	55.70 130	IAMB	IAMB	06 42 40.5	
SOLE	Somerset East	55.70 130	eP	P	06 42 27.9	+0.9
SOLE	Somerset East	55.70 130	IAMB	IAMB	06 42 39.6	
SOLE	Somerset East	55.70 130	IP	P	06 42 27.6	+0.5
TEOL	Teolo	55.73 29	IAMB	IAMB	06 42 28.7	
comp=Z,240nm,1.1s						
TEOL	Teolo	55.73 29	IAMS_20	IAMS_20	07 05 02.9	
comp=Z,18um,20.0s						
COHC	Cochancy	55.82 268	eP	P	06 42 26.1	-2.0
SNKL	Senekal, Frees	55.82 124	eP	P	06 42 28.6	+0.4
SNKL	Senekal, Frees	55.82 124	IAMB	IAMB	06 42 40.2	

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ECH	Echery	55.85 24	IAMB	IAMB	06 42 30.4	
comp=Z,379nm,0.8s						
ECH	Echery	55.85 24	IAMS_20	IAMS_20	07 04 53.3	
comp=Z,252nm,1.2s						
comp=Z,22um,19.0s						
STH	Stony Hill	55.86 293	iP	P	06 42 29.8	+1.5
MUSM	Musina, Limpop	55.88 116	eP	P	06 42 30.7	+2.2
MUSM	Musina, Limpop	55.88 116	eP	P	06 42 28.8	+0.4
MUSM	Musina, Limpop	55.88 116	IAMB	IAMB	06 42 33.7	
MUSM	Musina, Limpop	55.88 116	iP	P	06 42 29.1	+0.7
comp=Z,436nm,1.7s						
MUSM	Musina, Limpop	55.88 116	iP	P	06 42 29.1	+0.7
comp=Z,266nm,1.4s						
FOURN	Ozenpass-Fuorn	55.98 27	IAMS_20	IAMS_20	07 04 34.5	
comp=Z,26um,22.0s						
DSB	Dublin	56.01 12	IP	P	06 42 24.9	-3.8
DSB	Dublin	56.01 12	IP	P	06 42 29.6	+0.9
ELSH	Elham, Standar	56.09 18	eP	P	06 42 30.5	+1.2
ELSH	Elham, Standar	56.09 18	IAMB	IAMB	06 42 32.4	
comp=Z,281nm,1.2s						
CTI	Castel Tesino	56.21 29	P	P	06 42 30.5	0.0
CTI	Castel Tesino	56.21 29	IAMB	IAMB	06 42 33.0	
comp=Z,260nm,1.4s						
CTI	Castel Tesino	56.21 29	IAMS_20	IAMS_20	07 04 38.7	
CTI	Castel Tesino	56.21 29	P	P	06 42 30.5	0.0
CTI	Castel Tesino	56.21 29	P	P	06 42 30.5	0.0
comp=Z,22um,21.0s						
CTI	Castel Tesino	56.21 29	P	P	06 42 30.5	0.0
comp=Z,260nm,1.4s						
LLW	Llanuwchllyn	56.26 14	eP	P	06 42 31.7	+1.2
ML02	Manilla	56.27 227	eP	P	06 42 48.5	
comp=Z,197nm,1.1s						
DAVA	Damuels	56.30 27	iP	P	06 42 31.0	-0.2
comp=Z,217nm,1.3s						
DAVA	Damuels	56.30 27	IP	P	06 42 30.7	-0.4
NMMU	Nelson Mandela	56.31 131	eP	P	06 42 31.6	+0.3
GOOS	Huala	56.31 228	IP	P	06 42 31.6	+0.3
MPHEP	Siloam, Limpop	56.32 117	eP	P	06 42 31.4	-0.3
MPHEP	Siloam, Limpop	56.32 117	IAMB	IAMB	06 42 37.3	
comp=Z,257nm,1.4s						
DOU	Dourbes	56.37 21	dP	P	06 42 30.8	-0.6
comp=Z,56nm,1.1s						
FOEL	Foel Wyfla	56.41 15	eP	P	06 42 31.8	+0.2
FOEL	Foel Wyfla	56.41 15	IAMS_20	IAMS_20	06 59 25.5	
comp=Z,24um,33.0s						
SBD1	Bryn Du	56.41 15	eP	P	06 42 15.6	-1.6
BFO						

2021

Table with columns: GRFO, Grafenberg, 58.69, 26, P, P, 06 42 47.6 -0.2, ...

2017 NOV

Table with columns: FRGS, Fruska Gora, 59.88, 34, P, P, 06 42 56.7 +0.6, ...

30d 6h

Table with columns: KMBO, Kilima Mbogo, 60.66, 91, eP, S, 06 43 02.4 +0.0, ...

30d 6h

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like BIGH, UPC, KIBK, PKME, etc.

2017 NOV

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like R61A, KSP, K62A, etc.

2022

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like KECS, LOT, TRNY, etc.

2023 2017 NOV 30d 6h

LOZB	Loznitsa	62.91	39	↑P	P	06 43 16.4	-0.3
CJR	Cluj-Napoca	62.93	34	↑P	P	06 43 17.2	+0.4
CJR	Cluj-Napoca	62.93	34	↑P	P	06 43 17.2	+0.4
MCVT	Middlebury Col	62.94	322	P	P	06 43 17.2	+0.4
	baz=121,SNR=8.3				S	06 51 49.3	+2.2
MTUR	Matau	62.95	36	↑P	P	06 43 17.3	+0.3
MTUR	Matau	62.95	36	↑P	P	06 43 17.3	+0.3
FAZG	Razgrad	62.96	39	↑P	P	06 43 17.2	+0.2
ISP	Isparta	62.98	466	↑P	P	06 43 17.4	+0.1
	comp=Z,215nm,3.0s				pmx		
VT1	Waterbury	62.99	322	IAMB	IAMB	06 43 19.8	
	comp=Z,169nm,1.4s				IAMS_20	IAMS_20	07 05 04.0
VT1	Waterbury	62.99	322	P	P	06 43 17.9	+0.7
	baz=122,SNR=13				S	06 51 52.1	+4.5
OJC	Ojcow	63.04	30	eP	P	06 43 17.6	+0.2
OJC	Ojcow	63.04	30	eS	S	06 51 52.8	+4.7
OJC	Ojcow	63.04	30	eS	S	06 55 57.1	+3.2
OJC	Ojcow	63.04	30	eL	L	07 08 34.9	
	comp=Z,14um,21.7s				IAMB	IAMB	06 43 25.1
OJC	Ojcow	63.04	30	↑P	P	06 43 17.6	+0.2
OJC	Ojcow	63.06	36	↑P	P	06 43 17.7	0.0
VOIR	VOIR	63.06	36	↑P	P	06 43 17.5	-0.2
CRVS	Cervenica-Dubn	63.06	31	eP	P	06 43 17.8	+0.2
CRVS	Cervenica-Dubn	63.06	31	eP	P	06 47 04.7	
CRVS	Cervenica-Dubn	63.06	31	eS	S	06 51 47.6	-0.8
	comp=Z,245nm,1.7s				pmx		
CRVS	Cervenica-Dubn	63.06	31	eP	P	06 43 17.8	+0.2
CRVS	Cervenica-Dubn	63.06	31	ePP	PP	06 45 32.5	-3.8
CRVS	Cervenica-Dubn	63.06	31	eS	S	06 47 04.7	
CRVS	Cervenica-Dubn	63.06	31	eS	S	06 51 47.6	-0.8
CRVS	Cervenica-Dubn	63.06	31	eL	L	07 08 35.5	-0.8
ACCN	Adirondack Com	63.07	321	P	P	06 43 17.5	-0.2
ACCN	Adirondack Com	63.07	321	IAMB	IAMB	06 43 20.1	
	comp=Z,203nm,1.4s				IAMS_20	IAMS_20	07 04 49.3
ACCN	Adirondack Com	63.07	321	P	P	06 43 17.7	0.0
	baz=120,SNR=14				S	06 51 51.6	+2.9
MUD	Monsted Ugrnd	63.15	20	↑P	P	06 43 18.0	+0.1
MUD	Monsted Ugrnd	63.15	20	iP	P	06 43 17.0	-0.9
	comp=Z,3um,4.1s				IvMB_BB		
CBN	Corbin Frederi	63.15	314	P	P	06 43 18.4	+0.1
CBN	Corbin Frederi	63.15	314	IAMB	IAMB	06 43 20.4	
	comp=Z,224nm,1.2s				IAMS_20	IAMS_20	07 05 02.8
CBN	Corbin Frederi	63.15	314	P	P	06 43 18.8	+0.5
	baz=115,SNR=5.8				S	06 51 53.7	+3.8
CBN	Corbin Frederi	63.15	314	P	P	06 43 18.2	-0.1
	baz=115,SNR=5.8				S	06 51 52.4	+2.5
X58A	Rowland	63.16	310	IAMS_20	IAMS_20	07 03 46.1	
	comp=Z,22um,22.0s				P	06 43 18.9	+0.5
X58A	Rowland	63.16	310	P	P	06 43 18.9	+0.5
	baz=112,SNR=26				S	06 51 52.0	+1.9
X58A	Rowland	63.16	310	P	P	06 43 18.9	+0.5
	baz=112,SNR=26				S	06 51 52.0	+1.9
X58A	Rowland	63.16	310	P	P	06 43 18.9	+0.5
	baz=112,SNR=26				S	06 51 52.0	+1.9
Y58A	Scranton	63.17	309	IAMS_20	IAMS_20	07 03 33.5	
	comp=Z,21um,22.0s				P	06 43 17.7	-0.9
Y58A	Scranton	63.17	309	P	P	06 43 17.7	-0.9
	baz=111,SNR=24				S	06 51 53.9	+3.6
Y58A	Scranton	63.17	309	P	P	06 43 17.7	-0.9
	baz=111,SNR=24				S	06 51 53.9	+3.6
Y58A	Scranton	63.17	309	P	P	06 43 17.7	-0.9
	baz=111,SNR=24				S	06 51 53.9	+3.6
HCNY	Howe Caverns	63.19	320	P	P	06 43 18.6	+0.1
	baz=120,SNR=14				S	06 51 54.6	+4.3
BOAB	BOACO BROADBAND	63.22	284	↑P	P	06 43 18.4	-0.8
BOAB	BOACO BROADBAND	63.22	284	↑P	P	06 43 18.6	-0.6
MVL	Millersville	63.22	317	IAMB	IAMB	06 43 21.2	
	comp=Z,199nm,1.3s				IAMB	IAMB	06 43 34.6
GO08	Willa O'Higin	63.27	214	IAMB	IAMB	07 07 21.1	
	comp=Z,170nm,1.4s				IAMS_20	IAMS_20	07 07 21.1
GO08	Willa O'Higin	63.27	214	IAMB	IAMB	06 43 34.6	
	comp=Z,22um,20.0s				P	06 43 19.9	+0.5
NHSC	New Hope	63.29	308	P	P	06 43 20.3	+1.0
	comp=Z,23um,22.0s				IAMS_20	IAMS_20	07 03 35.5
NHSC	New Hope	63.29	308	P	P	06 43 20.3	+1.0
	baz=111,SNR=42				S	06 51 54.4	+2.7
NHSC	New Hope	63.29	308	P	P	06 43 20.1	+0.8
	baz=111,SNR=42				S	06 51 54.3	+2.5
NHSC	New Hope	63.29	308	↑P	P	06 43 20.1	+0.8
	baz=111,SNR=42				S	06 43 17.9	-1.6
NHSC	New Hope	63.29	308	↑P	P	06 43 20.1	+0.8
	baz=111,SNR=42				S	06 43 32.5	
SHUT	Suhut-Afyon	63.31	45	eP	P	06 43 20.7	+0.3
LMQ	La Malbaie	63.35	326	IAMB	IAMB	06 43 32.5	
	comp=Z,146nm,1.2s				IAMB	IAMB	06 43 21.6
L59A	Walton	63.36	319	P	P	06 43 20.2	+0.5
	comp=Z,143nm,1.2s				P	06 43 20.2	+0.5
L59A	Walton	63.36	319	P	P	06 43 20.2	+0.5
	baz=119,SNR=12				S	06 51 58.2	+5.7
L59A	Walton	63.36	319	P	P	06 43 20.2	+0.5
	baz=119,SNR=12				S	06 51 58.2	+5.7
L59A	Walton	63.36	319	P	P	06 43 20.2	+0.5
	baz=119,SNR=12				S	06 51 58.2	+5.7
SULR	Mineral	63.38	37	↑P	P	06 43 20.3	+0.7
R58B	Mineral	63.41	314	IAMS_20	IAMS_20	07 04 41.7	
	comp=Z,17um,20.0s				P	06 43 20.1	0.0
R58B	Mineral	63.41	314	P	P	06 43 20.1	0.0
	baz=115,SNR=49				S	06 51 57.7	+4.6
R58B	Mineral	63.41	314	P	P	06 43 20.1	0.0
	baz=115,SNR=49				S	06 51 57.7	+4.6
R58B	Mineral	63.41	314	P	P	06 43 20.1	0.0
	baz=115,SNR=49				S	06 51 57.7	+4.6
BMR	Baia Mare	63.42	33	↑P	P	06 43 19.9	0.0
BMR	Baia Mare	63.42	33	↑P	P	06 44 19.5	0.0
V58A	Windy Hill, Pi	63.45	311	P	P	06 43 20.7	+0.3
	baz=113,SNR=48				S	06 51 56.2	+2.4
V58A	Windy Hill, Pi	63.45	311	P	P	06 43 20.7	+0.3
	baz=113,SNR=48				S	06 51 56.2	+2.4
V58A	Windy Hill, Pi	63.45	311	P	P	06 43 20.7	+0.3
	baz=113,SNR=48				S	06 51 56.2	+2.4
EIL	Eilat	63.46	56	↑P	P	06 43 19.4	-1.1
EIL	Eilat	63.46	56	↑P	P	07 11 11.9	
	comp=Z,22um,20.3s, baz=245, slow=36				LR		
LRW	Lerwick	63.48	12	eP	P	06 43 20.5	+0.5
KOLS	Kolonickie sedl	63.51	32	eP	P	06 43 20.8	+0.3
	comp=Z,21nm,1.2s				pmx		
KOLS	Kolonickie sedl	63.51	32	eP	P	06 43 20.8	+0.3
	comp=Z,188nm,1.4s				IAMB	IAMB	06 43 23.0
KSPA	Keystone Colle	63.53	318	IAMB	IAMB	06 43 23.3	
	comp=Z,181nm,1.3s				S	06 51 57.9	+3.3
KSPA	Keystone Colle	63.53	318	P	P	06 43 21.4	+0.5
	baz=118,SNR=12				S	06 51 57.9	+3.3
DOPR	Dopca	63.55	36	↑P	P	06 43 21.0	+0.1
ARCR	ARCALIA	63.57	34	↑P	P	06 43 21.0	+0.1
257A	Skidaway Islan	63.57	307	↑P	P	06 43 22.2	+1.0
	baz=110,SNR=6.3				S	06 51 59.0	+3.7
257A	Skidaway Islan	63.57	307	P	P	06 43 22.2	+1.0
	baz=110,SNR=6.3				S	06 51 59.0	+3.7

baz=110							
PSWB	Penn State Wil	63.58	318	S	S	06 51 59.3	+4.1
	baz=118				P	06 43 21.2	-0.2
MLR	Muntele Rosu	63.62	37	↑P	P	06 43 20.8	-0.6
MLR	Muntele Rosu	63.62	37	↑P	P	06 43 35.4	
	comp=Z,275nm,1.2s				IAMB	IAMB	06 43 20.8
MLR	Muntele Rosu	63.62	37	P	P	06 43 20.8	-0.6
	comp=Z,275nm,1.2s				pmx		
MLR	Muntele Rosu	63.62	37	P	P	06 43 20.8	-0.6
	comp=Z,41um,19.0s				LR		
MLR	Muntele Rosu	63.62	37	LR	LR	07 12 09.2	
J59A	Plesco	63.63	321	IAMB	IAMB	06 43 23.9	
	comp=Z,40um,19.4s, baz=239, slow=37				IAMS_20	IAMS_20	07 05 15.3
J59A	Plesco	63.63	321	IAMB	IAMB	06 43 23.9	
	comp=Z,182nm,1.3s				S	06 52 01.1	+5.3
J59A	Plesco	63.63	321	P	P	06 43 20.3	-1.2
	comp=Z,18um,20.0s				S	06 52 01.1	+5.3
J59A	Plesco	63.63	321	P	P	06 43 20.3	-1.2
	baz=120,SNR=13				S	06 52 01.1	+5.3
J59A	Plesco	63.63	321	P	P	06 43 20.3	-1.2
	baz=120,SNR=13				S	06 52 01.1	+5.3
J59A	Plesco	63.63	321	P	P	06 43 20.3	-1.2
	baz=120,SNR=13				S	06 52 01.1	+5.3
GAZI	Gazipasa	63.65	48	eP	P	06 43 21.8	+0.1
COZ	Copenhagen	63.70	22	iP	P	06 43 22.9	+0.3
	comp=Z,5um,3.6s				IvMB_BB		
NCB	Newcomb	63.71	321	IAMB	IAMB	06 43 24.5	
	comp=Z,171nm,1.6s				IAMS_20	IAMS_20	07 04 30.4</

2025

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like V52A, W52A, Q52A, etc.

2017 NOV

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NB2, NOA, NB201, etc.

30d 6h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SIM, SVSK, Y49A, etc.

30d 6h

Table with columns for station ID, name, frequency, and signal strength. Includes stations like MNK, M44A, CGM3, KOPR, L44A, etc.

2017 NOV

Table with columns for station ID, name, frequency, and signal strength. Includes stations like L46A, ICESG, RAUF, SFIN, Y45A, etc.

2026

Table with columns for station ID, name, frequency, and signal strength. Includes stations like Q44A, HQIL, M44A, M44A, CGM3, etc.

2029

Table with columns for station name, frequency, power, and other technical details. Includes stations like ALPN Alpine, OGNE Ogallala, KSCO Kaye Shedlock, etc.

2017 NOV

Table with columns for station name, frequency, power, and other technical details. Includes stations like 121A IAMS_20, 121A Cookes Peak, LAO LASA Array, etc.

30d 6h

Table with columns for station name, frequency, power, and other technical details. Includes stations like SNOW Snow King Mount, MOOW Moose Ponds, YFT Old Faithful, etc.

2031

Table with columns: ID, Name, Location, Date, Time, Status, and various performance metrics. Includes entries like G29M Pine Creek, P33M Teslin, D27M Malcolm River, etc.

2017 NOV

Table with columns: ID, Name, Location, Date, Time, Status, and various performance metrics. Includes entries like WMQ Urumqi, WMQ comp=Z,1um,11.9s, WMQ comp=Z,10um,28.9s, etc.

30d 6h

Table with columns: ID, Name, Location, Date, Time, Status, and various performance metrics. Includes entries like TNCH comp=Z,2um,17.4s, TNCH comp=Z,3um,19.3s, LZH Lanzhou, etc.

30d 7h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Trend, Elevation Trend, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Phase, Elevation Phase, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Resolution, Elevation Resolution, Azimuth Sensitivity, Elevation Sensitivity, Azimuth Dynamic Range, Elevation Dynamic Range, Azimuth Linearity, Elevation Linearity, Azimuth Hysteresis, Elevation Hysteresis, Azimuth Repeatability, Elevation Repeatability, Azimuth Stability, Elevation Stability, Azimuth Reliability, Elevation Reliability, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Trend, Elevation Trend, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Phase, Elevation Phase, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Resolution, Elevation Resolution, Azimuth Sensitivity, Elevation Sensitivity, Azimuth Dynamic Range, Elevation Dynamic Range, Azimuth Linearity, Elevation Linearity, Azimuth Hysteresis, Elevation Hysteresis, Azimuth Repeatability, Elevation Repeatability, Azimuth Stability, Elevation Stability, Azimuth Reliability, Elevation Reliability.

2017 NOV

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Trend, Elevation Trend, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Phase, Elevation Phase, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Resolution, Elevation Resolution, Azimuth Sensitivity, Elevation Sensitivity, Azimuth Dynamic Range, Elevation Dynamic Range, Azimuth Linearity, Elevation Linearity, Azimuth Hysteresis, Elevation Hysteresis, Azimuth Repeatability, Elevation Repeatability, Azimuth Stability, Elevation Stability, Azimuth Reliability, Elevation Reliability.

2032

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Trend, Elevation Trend, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Phase, Elevation Phase, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Resolution, Elevation Resolution, Azimuth Sensitivity, Elevation Sensitivity, Azimuth Dynamic Range, Elevation Dynamic Range, Azimuth Linearity, Elevation Linearity, Azimuth Hysteresis, Elevation Hysteresis, Azimuth Repeatability, Elevation Repeatability, Azimuth Stability, Elevation Stability, Azimuth Reliability, Elevation Reliability.

0.1nm,0.3s,baz=111,slow=23,SNR=6.0
0.5nm,0.5s

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TEH 30 07:20:52.1, 34.51N, 85.48E, h8km, 38km, ML3.2 and KGS1 Ghasr-e-Shirin.

IDC 30 07:21:30.2, 3.2, 53.64N, 87.89E, h0km, mbtmp3.2/2, ML2.6/2, Error ellipse: s-maj=27.1km s-min=15.9km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA 1.85 281 I and ZALV Zalesovo Beam 1.85 281 Pg.

IDC 30 07:24:49.8, 0.6, 15.02S, 173.82W, h0km, mb4.2/11, mbtmp4.2/11, Error ellipse: s-maj=32.0km s-min=17.5km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu 2.13 58 P and AFON AFON 1.89 324 Sn.

DJA 30 08:21:52.4, 0.2, 10.51S, 147.81E, h89km, 56km, M4.9/15, mb4.9/10, mb5.4/4, MLV4.9/15, Mw(mb)4.8/4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLAI Plampang 1.04 316 P and BATI Baunata 5.12 97 P.

ISC 30 07:34:56.0, 1.5, 16.7S, 0.1, 167.6E, 0.1, h20km, n12, s=1500/13, mb4.0/3, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DVP Devils Point 1.17 152 P and WRA Warramunga Arr 31.73 259 P.

IDC 30 07:52:37.4, 3.2, 54.39N, 86.80E, h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=26.7km s-min=16.8km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA 1.25 250 Op and ZALV Zalesovo Beam 1.25 250 Pg.

MDD 30 08:13:43.4, 0.4, 37.10N, 0.88E, h38km, 13km, mb_L2, 8/15, Error ellipse: s-maj=3.9km s-min=2.3km

CRAAG 30 08:13:50.7, 36.41N, 1.03E, ML2.6, Algeria 10km NE El-Marsa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EKMS Oued Kramis 0.85 193 P and AFON AFON 1.89 324 Sn.

DJA 30 08:21:52.4, 0.2, 10.51S, 147.81E, h89km, 56km, M4.9/15, mb4.9/10, mb5.4/4, MLV4.9/15, Mw(mb)4.8/4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLAI Plampang 1.04 316 P and BATI Baunata 5.12 97 P.

35nm,0.5s,0.3nm

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like UGM Wanaqama 8.06 281 P and WRA Warramunga Arr 18.44 126 P.

WEL 30 08:35:35.4, 39.5S, 167.17E, h144km, 11km, M2.5/58, mb4.5/1, ML2.0/7, MLV2.5/58, Mw(mb)3.7/1, Error ellipse: s-maj=0.0km s-min=0.0km s=99.5, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RHTZ Rangitukia 0.16 155 P and WAZ Wanganui 1.17 207 P.

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Table with columns for station code, name, frequency, power, antenna, and coordinates. Includes stations like Biratori 2, Urakawa-nobuka, Ermo, etc.

Table with columns for station code, name, frequency, power, antenna, and coordinates. Includes stations like ZEA Zeya, Taiyuan, TATO Taipei, etc.

Table with columns for station code, name, frequency, power, antenna, and coordinates. Includes stations like TNCH TengChong, NONG Nongkai, TIXI Tiksi, etc.

2037

KTH	baz=278,SNR=6.7	50.11	34	I	Amb		09 26 38.8
SVE	Kantishna Hill						
SVE	comp=Z,284nm,1.0s						
SVE	Sverdlouvs	50.11	317c	eP	P	09 26 34.6 +0.3	
SVE						09 33 13.1 -0.8	
G23K	comp=Z,139nm,0.8s	50.13	30	P	P	09 26 37.3 +1.1	
TOLK	Bananza Creek	50.14	28	P	P	09 26 37.1 +0.9	
Q20K	Toolik Lake Re	50.16	41	P	P	09 26 37.1 +0.7	
SYI	Shuyak Island	50.16	41	P	P	09 26 35.9 -0.5	
SYI	Shuyak Island	50.16	41	P	P	09 26 37.7	
E23K	comp=Z,84nm,0.9s	50.17	28	P	P	09 26 38.0 +1.5	
KDAK	Chandalar	50.21	42	P	P	09 26 37.3 +0.5	
KDAK	Kodiak Island	50.21	42	P	P	09 26 38.2	
KDAK	comp=Z,68nm,0.9s	50.21	42	eP	P	09 26 36.9 +0.1	
KDAK	Kodiak Island						
KDAK	comp=Z,117nm,1.0s	50.21	42	P	P	09 26 37.7 +0.9	
KDAK	Kodiak Island	50.21	42	P	P	09 26 37.2 +0.5	
KDAK	Kodiak Island	50.21	42	P	P	09 27 48.5 0.0	
HOM	Homier	50.36	39	P	P	09 26 38.7 +0.9	
C24K	Franklin Bluff	50.37	26	P	P	09 26 38.0 +1.0	
D24K	Happy Valley	50.37	27	I	Amb	09 26 40.1	
D24K	Happy Valley	50.37	27	P	P	09 26 39.0 +1.2	
TRF	Thorofore Moun	50.40	34	P	P	09 26 39.0 +0.7	
SUA	Susitna One	50.49	37	P	P	09 26 39.5 +0.5	
CUT	Chullitna	50.57	36	P	P	09 26 40.2 +0.9	
I23K	Minto, Yukon-K	50.58	32	P	P	09 26 40.5 +1.1	
CNPM	China Foot	50.59	40	I	Amb	09 26 41.8	
E24K	Your Creek	50.59	28	P	P	09 26 41.0 +1.4	
M22K	Willow	50.74	37	I	Amb	09 26 43.0	
M22K	Willow	50.74	37	P	P	09 26 42.4 +1.8	
KDU	Kakadu	50.75	182	P	P	09 26 40.7 -0.5	
NEA2	Nenana	50.78	33	I	Amb	09 26 43.5	
NEA2	comp=Z,61nm,1.0s	50.78	33	P	P	09 26 42.4 +1.6	
BRSE	Bradley Lake S	50.79	39	P	P	09 26 41.8 +0.7	
F24K	Squaw Lake	50.88	29	P	P	09 26 43.0 +1.3	
MTN	Manton Dam	50.95	183	P	P	09 26 42.1 -0.6	
MCK	McKinley	50.96	34	P	P	09 26 43.2 +1.0	
RC01	Rabbit Creek A	51.04	37	I	Amb	09 26 44.5	
RC01	Rabbit Creek A	51.04	37	P	P	09 26 44.3 +1.5	
RND	Reindeer	51.05	34	P	P	09 26 43.5 +0.5	
RND	Reindeer	51.05	34	P	P	09 26 43.5 +0.5	
RND	comp=Z,84nm,1.0s	51.05	34	P	P	09 26 44.0 +0.1	
LEM	Lembang	51.07	214	P	P	09 26 45.8	
MDM	Murphy Dome	51.08	32	I	Amb	09 26 46.5	
H24K	Noodor Dome	51.10	31	I	Amb	09 26 46.5	
H24K	Noodor Dome	51.10	31	P	P	09 26 45.3 +2.0	
G24K	Hadweenzic Riv	51.14	30	P	P	09 26 45.4 +1.9	
Q22K	Cooper Landing	51.16	38	I	Amb	09 26 46.0	
Q22K	Cooper Landing	51.16	38	P	P	09 26 44.7 +1.1	
D25K	Kavik River	51.22	27	P	P	09 26 45.1 +1.0	
PMR	Palmer	51.23	37	P	P	09 26 44.9 +0.6	
PMR	Palmer	51.23	37	P	P	09 26 44.9 +0.6	
PMR	Palmer	51.23	37	P	P	09 26 44.8 +0.6	
PMR	Palmer	51.23	37	P	P	09 26 44.9 +0.6	
COLA	College	51.25	32	P	P	09 26 45.7 +1.4	
COLA	College	51.25	32	P	P	09 26 46.9	
COLA	College	51.25	32	P	P	09 26 45.7 +1.4	
COLA	College	51.25	32	P	P	09 26 45.7 +1.4	
COLA	College	51.25	32	P	P	09 26 45.7 +1.4	
COLA	College	51.25	32	P	P	09 26 45.8 +1.4	
COLA	College	51.25	32	P	P	09 28 12.5 -1.1	
KBL	Kabul	51.26	287	P	P	09 26 45.0 -0.2	
KBL	Kabul	51.26	287	P	P	09 26 45.8	
KBL	Kabul	51.26	287	P	P	09 26 45.0 -0.2	
KBL	Kabul	51.26	287	P	P	09 26 45.0 -0.2	
KBL	Kabul	51.26	287	P	P	09 26 45.0 -0.2	
KBL	Kabul	51.26	287	P	P	09 26 45.0 -0.2	
WAT1	Susitna Watana	51.28	35	P	P	09 33 29.3 -1.3	
WAT1	Susitna Watana	51.28	35	P	P	09 26 45.1 +0.4	
GHO	Glory Hole Cre	51.30	36	I	Amb	09 26 47.0	
ARU	Arti	51.32	317	P	P	09 26 45.0 +0.1	
ARU	Arti	51.32	317	d/P	P	09 26 44.7 -0.2	
ARU	Arti	51.32	317	d/P	P	09 28 14.2 -0.1	
ARU	Arti	51.32	317	d/P	P	09 28 48.5	
ARU	Arti	51.32	317	d/P	P	09 33 16.1 +1.4	
ARU	Arti	51.32	317	d/P	P	09 37 15.7 +3.5	
ARU	Arti	51.32	317	d/P	P	09 26 44.8 -0.2	
ARU	Arti	51.32	317	d/P	P	09 28 12.9 -1.5	
ARU	Arti	51.32	317	d/P	P	09 33 28.7 -1.6	
ARU	Arti	51.32	317	d/P	P	09 26 44.8 -0.2	
ARU	Arti	51.32	317	d/P	P	09 28 11.1 +0.0	
ARU	Arti	51.32	317	d/P	P	09 26 46.4 +1.3	
POKR	Poker Plat Res	51.39	32	P	P	09 26 46.8 +1.4	
SML	Sawmill	51.57	36	P	P	09 26 47.7 +0.9	
SML	Sawmill	51.57	36	P	P	09 26 48.8	
SML	Sawmill	51.57	36	P	P	09 26 47.9 +1.1	
KNK	Knik Glacier	51.58	37	I	Amb	09 26 48.9	
KNK	Knik Glacier	51.58	37	P	P	09 26 48.0 +1.2	
C26K	Camden Bay	51.66	26	P	P	09 26 48.4 +1.4	
E25K	Arctic Village	51.67	28	P	P	09 26 48.7 +1.3	
G25K	Beaman Lake	51.67	30	P	P	09 26 49.0 +1.7	
IL31	Ilisar	51.67	32	P	P	09 26 48.0 +0.6	
ILAR	Eielson Array	51.67	32	P	P	09 26 47.9 +0.4	
ILAR	Ilisar	51.67	32	P	P	09 27 53.7 -0.2	
ILAR	Ilisar	51.67	32	P	P	09 27 53.7 -0.2	
ILAR	Ilisar	51.67	32	P	P	09 28 15.3 -1.7	

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WAT6	Susitna Watana	51.69	35	P	P	09 26 48.6 +0.8	
HDA	Harding Lake	51.71	33	I	Amb	09 26 49.2	
HDA	Harding Lake	51.71	33	P	P	09 26 48.2 +0.5	
F25K	Christian Rive	51.72	29	P	P	09 26 49.2 +1.4	
PWL	Port Wells	51.75	38	I	Amb	09 26 49.7	
PWL	Port Wells	51.75	38	P	P	09 26 49.5 +1.4	
DHY	Denali Highway	51.77	35	I	Amb	09 26 50.3	
DHY	Denali Highway	51.77	35	P	P	09 26 49.0 +0.7	
M23K	Glacier View	51.85	36	P	P	09 26 49.7 +0.9	
H25L	Birch Creek	51.86	30	P	P	09 26 50.3 +1.6	
SCM	Sheep Creek Mo	52.03	36	I	Amb	09 26 52.4	
SCM	Sheep Creek Mo	52.03	36	P	P	09 26 50.9 +0.7	
FYU	Fort Yukon	52.04	30	P	P	09 26 52.0 +1.9	
FYU	Fort Yukon	52.04	30	P	P	09 26 53.3	
PRP	Porcupine Dome	52.11	31	I	Amb	09 26 53.4	
PRP	Porcupine Dome	52.11	31	P	P	09 26 52.0 +1.2	
BMAR	Burnt Mountain	52.15	29	P	P	09 26 53.1 +2.2	
F26K	Sheenik River	52.27	29	P	P	09 26 53.4 +1.6	
K24K	Donnelly Dome	52.33	34	P	P	09 26 52.8 +0.6	
GLI	Glacier Island	52.34	37	P	P	09 26 53.1 +0.8	
J25K	Salcha River	52.34	33	P	P	09 26 53.3 +0.9	
P23K	Montague Islan	52.39	38	P	P	09 26 53.5 +0.8	
AB31	Akbulak array	52.41	307	i	P	09 26 52.4 -0.6	
ABKAR	Akbulak array	52.41	307	P	P	09 26 53.1 +0.2	
M24K	Tolsona, Glenn	52.50	36	I	Amb	09 26 55.8	
M24K	Tolsona, Glenn	52.50	36	P	P	09 26 54.7 +1.1	
G26K	Porcupine Rive	52.54	29	P	P	09 26 55.5 +1.8	
PAX	Port Fidalgo	52.64	35	P	P	09 26 55.5 +1.0	
FID	Port Fidalgo	52.66	37	I	Amb	09 26 56.6	
COEN	Coen	52.74	168	P	P	09 26 56.5 +0.8	
COEN	Coen	52.74	168	P	P	09 26 56.5 +0.8	
KLU	Klutina	52.76	36	P	P	09 26 56.7 +1.3	
HARP	HAARP	52.91	35	P	P	09 26 57.7 +1.3	
EYAK	Cordova Ski Ar	53.06	38	P	P	09 26 58.6 +1.2	
SCRK	Sand Creek	53.07	33	I	Amb	09 26 59.3	
SCRK	Sand Creek	53.07	33	P	P	09 26 58.1 +0.5	
E27K	Coleen River	53.12	28	P	P	09 26 59.2 +1.3	
I26K	Cool Creek Min	53.12	31	P	P	09 26 58.4 +0.5	
J26L	Joseph Creek	53.13	32	P	P	09 26 59.5 +1.4	
D27M	Malcolm River	53.13	26	P	P	09 26 59.4 +1.4	
AKTO	Aktuobinsk	53.23	309	P	P	09 26 58.5 -0.5	
AKTO	Aktuobinsk	53.23	309	P	P	09 33 55.4 -0.8	
N25K	Chitina, Valde	53.35	36	P	P	09 27 01.2 +1.5	
G27K	Doyon Strip	53.39	29	P	P	09 27 01.1 +1.3	
MENT	Mentasta	53.42	34	P	P	09 27 01.8 +1.7	
MENT	Mentasta	53.42	34	P	P	09 27 02.9	
MENT	Mentasta	53.42	34	P	P	09 27 01.8 +1.7	
BMRM	Bremner River	53.50	37	P	P	09 27 01.9 +1.2	
L26K	Log Cabin Wild	53.57	34	P	P	09 27 02.5 +1.3	
H27K	Steebait Moun	53.57	30	P	P	09 27 02.9 +1.8	
RAGM	Ragged Mountai	53.62	38	I	Amb	09 27 04.3	
I27K	Kandik River	53.68	31	P	P	09 27 03.3 +1.4	
E28M	Babbage River	53.78	27	P	P	09 27 03.8 +1.2	
K27K	Chicken	53.87	33	I	Amb	09 27 05.8	
K27K	Chicken	53.87	33	P	P	09 27 04.7 +1.4	
M26K	Nabesna, AK	53.88	35	I	Amb	09 27 06.2	
M26K	Nabesna, AK	53.88	35	P	P	09 27 05.0 +1.6	
F28M	Old Crow	53.88	28	I	Amb	09 27 06.3	

30d 9h

Table with columns: Station, Name, Frequency, Power, Modulation, and Time. Includes stations like KLMR Klimovskoe, KLV Kislodovsk, and KIV Kislodovsk.

2017 NOV

Table with columns: Station, Name, Frequency, Power, Modulation, and Time. Includes stations like KIV Kislodovsk, KLV Kislodovsk, and KIV Kislodovsk.

2018

Table with columns: Station, Name, Frequency, Power, Modulation, and Time. Includes stations like KMBL Kambalda, STKA Stephens Creek, and NLWA Neilton Lookou.

2039 SFJD Kangerlussuaq 74.96 2 i P P 09 29 17.1 -0.6
 SFJD Kangerlussuaq 74.96 2 P P 09 29 18.3 +0.6
 ARPS Mount Arapiles 75.08 173 P P 09 29 19.5 +0.8
 MARR Marisel-Cluj 75.12 310 P P 09 29 20.1 +1.0
 ARR Arges 75.15 316 P P 09 29 20.8 +1.5
 OKC Ostrava-Krasne 75.20 323 P P 09 29 21.1 +1.0
 OKC Ostrava-Krasne 75.50 323 P P 09 29 22.1 +1.0
 DY2G Dye2 75.54 0 i P P 09 29 21.4 +0.1
 DY2G 75.54 0 i P P 09 29 23.1
 ASF comp=Z,33nm,0.6s 75.67 300 P P 09 29 23.1 +0.6
 ASF Jabal al Asfar comp=Z,19nm,0.8s,baz=55,slow=2.5,SNR=22 75.67 300 P P 09 29 23.1 +0.6
 ASF comp=Z,7.2nm,0.7s,baz=355,slow=2.0,SNR=5.8 75.67 300 P P 09 29 23.1 +0.6
 J08A Circle Bar 75.68 46 P P 09 29 23.8 +1.4
 DEV Deva 75.75 318 P P 09 29 24.2 +1.7
 DEV Deva 75.75 318 P P 09 29 24.2 +1.7
 FFF Filin Flon 75.76 30 P P 09 29 23.0 +0.6
 FFF Filin Flon 75.76 30 P P 09 29 23.0 +0.6
 MORC Moravsky Berou 75.83 323 P P 09 29 24.2 +1.2
 MORC Moravsky Berou 75.83 323 P P 09 29 23.7 +0.7
 MORC Moravsky Berou 75.83 323 P P 09 29 25.0
 MORC Moravsky Berou 75.83 323 P P 09 29 23.8 +0.8
 MORC Moravsky Berou 75.83 323 P P 09 30 57.0 +0.1
 MORC Moravsky Berou 75.83 323 P P 09 29 23.7 +0.7
 MSO Missoula 75.88 41 I Amb I Amb 09 29 26.0
 MSO Missoula 75.88 41 P P 09 29 24.1 +0.7
 OSTO Ostas 75.91 324 P P 09 29 24.4 +1.0
 OSTO Ostas 75.91 324 P P 09 29 24.4 +1.0
 PSZ Piszkesteto 75.95 321 P P 09 29 24.6 +0.9
 PSZ Piszkesteto 75.95 321 I Amb I Amb 09 29 25.8
 PSZ Piszkesteto 75.95 321 P P 09 29 24.6 +0.9
 CHVC Chvalec 75.96 324 P P 09 29 24.9 +1.2
 CHVC Chvalec 75.96 324 P P 09 29 24.8 +1.2
 MAUC Maruska 75.98 323 P P 09 29 24.0 +1.0
 KRKC Kralky 75.98 324 P P 09 29 24.6 +0.8
 KRKC Kralky 75.98 324 P P 09 29 24.6 +0.8
 DPC Dobruska-Polom 76.00 324 P P 09 29 25.2 +1.3
 DPC Dobruska-Polom 76.00 324 P P 09 29 25.2 +1.3
 ELND Elena 76.02 314 P P 09 29 24.8 +0.7
 UPC Upice 76.04 324 P P 09 29 25.4 +1.3
 UPC Upice 76.04 324 P P 09 29 25.4 +1.3
 BRAT Ballarat 76.07 172 P P 09 29 26.1 +1.9
 WVOR Wild Horse Val 76.18 47 I Amb I Amb 09 29 27.5
 MMAI Mount Meron Ar 76.19 301 P P 09 29 26.0 +0.7
 MMAI Mount Meron Ar 76.19 301 P P 09 29 26.0 +0.7
 MMAI comp=Z,24nm,1.0s,baz=51,slow=6.6,SNR=23 76.19 301 P P 09 31 03.1 -0.2
 MMAI comp=Z,9.3nm,0.9s,baz=46,slow=7.4,SNR=3.7 76.19 301 P P 09 29 25.9 +0.6
 SURR Surduc 76.25 318 P P 09 29 25.9 +0.6
 TOO Toolangi 76.28 102 P P 09 29 27.3
 ORV Oroville 76.30 50 I Amb I Amb 09 29 27.3
 MILA Mila 76.33 167 P P 09 29 27.4 +1.7
 CSS Mathiatis 76.39 304 P P 09 29 26.9
 JAVC Velka Javorina 76.40 322 P P 09 29 28.1 +1.9
 JAVC Velka Javorina 76.40 322 P P 09 30 59.4 -0.8
 PLVB Pleven 76.43 315 P P 09 29 26.6 +0.2
 VRAC Vranov 76.60 323 P P 09 29 28.4 +1.2
 VRAC Vranov 76.60 323 P P 09 29 28.7 +1.5
 comp=Z,12nm,0.7s,baz=63,slow=5.5,SNR=13 76.60 323 P P 09 29 27.9 +0.6
 BZS Buzias 76.60 318 P P 09 29 27.6 +0.3
 BZS Buzias 76.60 318 P P 09 29 27.6 +0.3
 PVCC Panska Ves 76.68 325 P P 09 29 29.7 +2.1
 BRG Berggiesshubel 76.71 326 P P 09 29 30.2 +2.4
 BRG Berggiesshubel 76.71 326 P P 09 29 31.6
 BRG comp=Z,5.8nm,0.7s 76.71 326 P P 09 31 09.5 +3.6
 BRG 76.71 326 P P 09 31 10.7
 BRG comp=Z,5.4nm,0.8s 76.71 326 P P 09 29 30.2 +2.4
 BRG 76.71 326 P P 09 31 09.4
 BRG comp=Z,6.0nm,0.7s 76.71 326 P P 09 29 30.2 +2.4
 BRG 76.71 326 P P 09 31 09.4
 GEXS Deakin 76.76 171 P P 09 29 30.1 +2.2
 CLL Deakin 76.81 326 P P 09 29 28.8 +0.5
 CLL Deakin 76.81 326 P P 09 31 02.7 +0.2
 CLL comp=Z,13nm,0.8s 76.81 326 P P 09 29 28.8 +0.5
 CLL Colim 76.81 326 P P 09 29 28.8 +0.5
 CLL Colim 76.81 326 P P 09 31 02.7 +0.2
 CLL comp=Z,13nm,0.8s 76.81 326 P P 09 29 28.8 +0.5
 CLL Colim 76.81 326 P P 09 31 02.7 +0.2
 KRUC Moravsky 76.87 323 P P 09 29 29.7 +1.0
 AFDM Forest Hills D 77.00 51 I Amb I Amb 09 29 31.7
 GOPC GO Pecny, Ondr 77.01 325 P P 09 29 31.3 +1.8
 GOPC GO Pecny, Ondr 77.01 325 P P 09 29 31.3 +1.8
 PRU Pruhonice 77.07 325 P P 09 29 30.8 +1.0
 PRU Pruhonice 77.07 325 P P 09 29 30.8 +1.0
 HSKC Hora Svate Kat 77.13 326 P P 09 29 31.6 +1.5
 EGMT Eggleton 77.17 38 P P 09 29 31.6 +1.0
 EGMT Eggleton 77.17 38 P P 09 29 31.4 +0.9
 BLBK Belogradchik 77.35 316 P P 09 29 32.1 +0.6
 RDO Rodhopi 77.35 313 I Amb I Amb 09 29 33.1
 ZVC Zvikov 77.62 324 P P 09 29 33.9 +1.1
 MORH Mrgy, Hungar 77.73 320 P P 09 29 34.2 +0.7
 PNTR Pine Nut 77.74 50 I Amb I Amb 09 29 36.4
 NUUK Nuuk 77.75 2 i P P 09 29 33.2 +0.1
 NUUK Nuuk 77.75 2 i P P 09 29 35.4
 HLID Hailey 77.80 44 P P 09 29 35.2 +1.1
 FRGS Fruska Gora 77.86 319 P P 09 29 35.2 +1.0
 RONA Rosalia, Austr 77.87 322 P P 09 29 36.0 +1.8
 RONA Rosalia, Austr 77.87 322 P P 09 29 36.0 +1.8
 RONA comp=Z,30nm,1.1s,SNR=8.0 77.87 322 P P 09 31 09.6 +0.8
 RONA comp=Z,30nm,1.1s,SNR=8.0 77.87 322 P P 09 31 09.6 +0.8
 BOVS Bovan 77.87 317 P P 09 29 34.1 -0.1
 BOZ Bozeman (W) 77.90 41 P P 09 29 35.5 +0.9
 CONA Conrad Observa 77.91 323 P P 09 29 36.3 +1.8
 CMB Columbia Colle 77.93 51 I Amb I Amb 09 29 36.9
 CKRC Cesky Krumlov 78.01 324 P P 09 29 35.8 +0.8
 CKRC Cesky Krumlov 78.01 324 P P 09 29 35.8 +0.8
 KHC Kasperske Hory 78.12 325 P P 09 29 36.8 +1.2
 KHC Kasperske Hory 78.12 325 P P 09 29 36.8 +1.2
 KHC comp=Z,39nm,1.3s 78.12 325 P P 09 31 10.0 -0.1
 KHC Kasperske Hory 78.12 325 P P 09 29 39.0
 WAKR Walker 78.21 50 I Amb I Amb 09 29 39.0
 GERES GERESS Array B 78.27 324 P P 09 29 37.8 +1.3
 GERES GERESS Array B 78.27 324 P P 09 31 14.1 -0.6
 GERES comp=Z,3.0nm,0.8s,baz=28,slow=6.5,SNR=6.0 78.27 324 P P 09 32 38.4 -1.5
 GERES comp=Z,3.0nm,0.8s,baz=28,slow=6.5,SNR=6.0 78.27 324 P P 09 32 38.4 -1.5
 BMN Battle Mountai 78.28 47 I Amb I Amb 09 29 39.4
 DIVS Divibare 78.48 318 I Amb I Amb 09 29 39.1
 EIL Eliat 78.51 299 P P 09 29 38.3 +0.3
 ARSA Arzberg 78.55 322 P P 09 29 39.4 +1.4
 ARSA Arzberg 78.55 322 P P 09 31 13.3 +0.6
 RYN Ryan 78.68 50 I Amb I Amb 09 29 41.5

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 MOA Molln 78.73 323 i P P 09 29 40.3 +1.5
 GRF Grafenberg Arr 78.77 326 eP P 09 29 40.5 +1.5
 YMR Macross Ridge 78.88 41 I Amb I Amb 09 29 42.7
 NVAR Mina Array Bea 78.94 50 P P 09 29 41.4 +1.0
 NVAR Mina Array Bea 78.94 50 P P 09 29 41.8 +1.3
 YNR Norris Junctio 78.99 41 I Amb I Amb 09 29 43.9
 NV11 Mina Array Sit 79.02 50 P I Amb I Amb 09 29 41.1 +0.3
 NV11 Mina Array Sit 79.02 50 P I Amb I Amb 09 29 43.2
 OMMB Old Mammoth M 79.04 51 I Amb I Amb 09 29 43.5
 YFT Old Faithful 79.09 41 I Amb I Amb 09 29 45.1
 MLAC Mammoth, Mammo 79.13 50 P P 09 29 42.6 +1.1
 BIOA Bad Ischl, Aus 79.14 323 eP P 09 29 42.2 +1.1
 BIOA Bad Ischl, Aus 79.14 323 eP P 09 29 42.2 +2.5
 SOKA Soboth 79.20 322 i P P 09 29 42.6 +1.1
 SOKA comp=Z,29nm,1.1s,SNR=5.4 79.20 322 i P P 09 31 16.1 -0.2
 YMP Mirror Lake Pl 79.24 41 I Amb I Amb 09 29 44.9
 H17A Grass Village 79.27 41 P P 09 29 45.1 +3.0
 IMW Indian Meadow 79.42 42 P P 09 29 43.9 +0.9
 IMW Indian Meadow 79.42 42 P P 09 29 46.0
 RLMT Red Lodge 79.43 40 I Amb I Amb 09 29 45.2
 RLMT Red Lodge 79.43 40 I Amb I Amb 09 29 43.9 +1.0
 DGMT Dagmar 79.45 35 P P 09 29 43.6 +0.9
 OBKA Obir 79.55 322 eP P 09 29 44.2 +0.9
 TPWA Teton Pass 79.70 42 I Amb I Amb 09 29 46.7
 EKA Eskdalemuir Ar 79.72 337 P P 09 29 44.4 +0.4
 LESA Lesau 79.78 324 eP P 09 29 45.6 +1.1
 LESA Lesau 79.78 324 eP P 09 31 25.8 +2.4
 LAO LASA Array 79.81 37 I Amb I Amb 09 29 46.9
 LAO LASA Array 79.81 37 P P 09 29 45.8 +1.1
 SNOW Snow King Moun 79.82 42 I Amb I Amb 09 29 47.8
 TIN Tinemaha, Big 79.87 51 P P 09 29 46.4 +1.1
 MYKA Terra Mystica 79.90 323 eP P 09 29 45.5 +0.3
 MYKA Terra Mystica 79.90 323 eP P 09 31 20.9 +0.6
 SMCC Simmler 79.90 53 P P 09 29 46.5 +1.2
 AHID Auburn Hatcher 80.12 43 I Amb I Amb 09 29 48.7
 YES Vestal, Richm 80.13 52 P P 09 29 46.7 +0.2
 AULHS Llydlyd High 80.14 170 P P 09 29 48.2 +2.1
 MEM Membsach 80.27 329 P P 09 29 47.2 +0.3
 PKM Mcherson Peak 80.29 53 P P 09 29 48.6 +1.0
 GMM Gold Mountain 80.30 50 I Amb I Amb 09 29 50.2
 ABTA Abfattersbach 80.35 323 eP P 09 29 47.8 +0.2
 ABTA Abfattersbach 80.35 323 eP P 09 31 28.1 +1.5
 WATA Walderalm 80.35 324 eP P 09 29 48.3 +0.7
 CWC Cottonwood Cre 80.36 51 P P 09 29 48.8 +0.8
 WTTA Wattenberg 80.38 324 eP P 09 29 48.7 +0.9
 WTTA Wattenberg 80.38 324 eP P 09 31 28.9 +2.1
 GRAC Gravine Rang 80.43 50 P P 09 29 49.7 +1.5
 BCW Bitter Crk WRG 80.51 53 I Amb I Amb 09 29 51.1
 MOTA Moosalm 80.56 325 eP P 09 29 50.0 +1.3
 MOTA Moosalm 80.56 325 eP P 09 31 28.2 +0.4
 Q12A Willow Creek R 80.58 47 I Amb I Amb 09 29 51.6
 R11B Troy Canyon, C 80.60 48 I Amb I Amb 09 29 51.6
 R11B Troy Canyon, C 80.60 48 P P 09 29 50.4 +1.2
 ISA Isabella, Lake 80.62 52 P P 09 29 49.1 -0.1
 SBC Santa Barbara 80.64 53 P P 09 29 50.0 +0.8
 CIMO Cimatis 80.70 323 I Amb I Amb 09 29 49.1
 ARVC Arvin 80.75 52 P P 09 29 50.3 +0.5
 BRGS Spring Creek 3 80.81 330 dP P 09 29 50.4 +0.6
 BRGS Spring Creek 3 80.89 47 I Amb I Amb 09 29 53.9
 BW06 Boulder Array 80.93 42 P P 09 29 51.5 +0.6
 BW06 Boulder Array 80.93 42 P P 09 29 52.6
 PD31 Pinedale Array 80.93 42 P P 09 29 51.2 +0.3
 PD31 Pinedale Array 80.93 42 P P 09 29 52.6
 PDAR Pinedale Array 80.93 42 P P 09 29 51.4 +0.5
 PDAR Pinedale Array 80.93 42 P P 09 31 28.4 +1.6
 DUG Dugway, Tooele 80.95 45 I Amb I Amb 09 29 53.5
 DUG Dugway, Tooele 80.95 45 P P 09 29 52.0 +1.1
 FETA Feichten 80.97 324 eP P 09 29 51.8 +0.9
 FETA Feichten 80.97 324 eP P 09 31 30.5 +0.4
 MPMC Manual Procep 80.97 51 P P 09 29 51.9 +0.7
 SCZ2 Santa Cruz Isl 80.98 54 P P 09 29 51.7 +0.7
 BMRD Matsous 81.00 330 dP P 09 29 50.8 0.0
 WCT Wildcat Mounta 81.01 50 I Amb I Amb 09 29 53.6
 BFO Black Forest 81.05 327 P P 09 29 50.9 -0.2
 BFO Black Forest 81.05 327 P P 09 29 50.9 -0.2
 FURC Furnace Creek 81.08 50 P P 09 29 52.4 +1.0
 TPNV Topopah Spring 81.14 50 P P 09 29 52.9 +0.9
 OSI Osito Audit: C 81.15 53 P P 09 29 52.6 +0.6
 DAVA Damuels 81.16 325 eP P 09 29 52.9 +1.0
 DAVA Damuels 81.16 325 eP P 09 31 27.9 +0.6
 LRMC Laurel Mtn Rad 81.23 52 P P 09 29 53.3 +0.8
 GWY Greenwater Val 81.39 50 I Amb I Amb 09 29 55.4
 EDW2 Edwards Fir Fo 81.43 52 P P 09 29 54.3 +0.9
 PSUT Pine Spring 81.48 47 I Amb I Amb 09 29 56.2
 NLU North Lily Min 81.52 45 I Amb I Amb 09 29 56.4

30d 9h
 SNCC San Nicolas Is 81.53 54 P P 09 29 54.3 +0.5
 PRN Pahroc Range 81.54 49 I Amb I Amb 09 29 56.8
 ULM Lao du Bonnet 81.59 30c /P P 09 29 53.8 0.0
 ULM Lao du Bonnet 81.59 30 P P 09 29 54.0 +0.3
 DECC Green Verdugo 81.63 53 P P 09 29 55.0 +0.7
 MPU Maple Canyon 81.73 45 I Amb I Amb 09 29 57.4
 PASC Pasadena Art C 81.78 53 I Amb I Amb 09 29 56.8
 BSUT Blindstream Ca 81.85 44 P P 09 29 56.9 +1.1
 BSUT Blindstream Ca 81.85 44 P P 09 29 58.4
 GSC Goldstone, 2s 81.89 51 P P 09 29 56.8 +1.1
 MDND Maddock 81.94 33 P P 09 29 56.1 +0.4
 FMP Fort Macarthur 82.01 53 P P 09 29 56.9 +0.6
 RRRR Edison Barstow 82.05 52 P P 09 29 57.4 +0.9
 BFSC Mount Baldy Ra 82.06 52 P P 09 29 57.3 +0.6
 SHPR San Jacinto 82.08 49 I Amb I Amb 09 29 59.6
 CIS Catalina Islan 82.13 54 P P 09 29 57.6 +0.6
 TUQ Tuquesne Mount 82.34 51 P P 09 29 59.2 +1.0
 E28A Huff 82.44 34 I Amb I Amb 09 30 00.1
 TMUT Trail Mountain 82.46 45 I Amb I Amb 09 30 01.3
 RDMU Red Mountain 82.47 43 I Amb I Amb 09 30 01.1
 HEC Hector Ludlow 82.49 51 P P 09 30 00.0 +1.2
 BBRC Big Bear Solar 82.50 52 P P 09 29 59.8 +0.6
 SZCU Shurtz Canyon 82.56 47 I Amb I Amb 09 30 01.8
 K22A Caspe 82.58 40 P P 09 29 59.6 +0.3
 ELS Elinore Mount 82.59 53 I Amb I Amb 09 30 01.2
 RSSD Black Hills 82.74 38 P P 09 30 00.5 +0.4
 RSSD Black Hills 82.74 38 P P 09 30 02.6
 RSSD Black Hills 82.74 38 P P 09 30 00.5 +0.4
 RSSD Black Hills 82.74 38 P P 09 30 00.5 +0.4
 MURC Murrieta 82.77 53 P P 09 30 00.9 +0.6
 LCMT Little Creek M 82.87 48 I Amb I Amb 09 30 03.0
 NRCA Norcia 82.92 320 I Amb I Amb 09 30 03.5
 RWVY Rawlins 82.92 41 I Amb I Amb 09 30 02.9
 GMRC Granite Mounta 82.93 51 P P 09 30 02.2 +1.0
 SRU San Rafael 82.97 45 I Amb I Amb 09 30 03.4
 INTR Introdacqua 83.12 319 I Amb I Amb 09 30 04.0
 AGMN Agassiz Nation 83.15 31 I Amb I Amb 09 30 02.9
 AGMN Agassiz Nation 83.15 31 P P 09 30 02.0 +0.2
 PFO Pinyon Flats O 83.22 52 P P 09 30 03.4 +0.7
 PFO Pinyon Flats O 83.22 52c /P P 09 30 03.1 +0.5
 PFO comp=Z,74nm,1.0s 83.22 52 P P 09 30 03.3 +0.7
 PFO Pinyon Flats O 83.22 52 P P 09 30 03.5 +0.8
 TPFO Pinyon Flats O 83.25 52 P P 09 30 03.4 +0.6
 BELC Belle Mtn, Jos 83.25 52 P P 09 30 03.4 +0.6
 109C Camp Elliot, M 83.30 53 I Amb I Amb 09 30 04.6
 109C Camp Elliot, M 83.30 53 P P 09 30 03.3 +0.5
 O20A White River Ci 83.50 43 I Amb I Amb 09 30 05.8
 O20A White River Ci 83.50 43 P P 09 30 04.8 +0.8
 IRM Iron Mountain 83.67 51 P P 09 30 06.0 +1.2
 BAR Barrett 83.71 53 P P 09 30 05.5 +0.5
 BAR Barrett 83.71 53 P P 09 30 06.6
 MONP Monument Peak 83.72 53 P P 09 30 05.7 +0.5
 W13A Hualapai Mount 83.80 50 I Amb I Amb 09 30 07.9
 BC3 Big Chuckwall 83.82 52 P P 09 30 06.5 +0.9
 SWSC San W. Stewart 84.08 52 P P 09 30 07.4 +0.6
 IKP In-Ko-Pah, Jac 84.08 53 P P 09 30 07.8 +0.9
 PHWY Pilot Hill 84.11 41 I Amb I Amb 09 30 09.1
 RMX La Rumorosa 84.13 53 I Amb I Amb 09 30 09.5
 KUZ Kuautlun 84.14 147 P P 09 30 08.8 +2.1
 N23A Red Feather La 84.16 41 P P 09 30 08.1 +0.8
 PDMCI Parker Dam, Lak 84.18 50 P P 09 30 08.1 +0.9
 YUH Yuha Desert 84.20 53 I Amb I Amb 09 30 09.3
 BLYC Blythe 84.32 51 I Amb I Amb 09 30 10.2
 GLA Glamis 84.61 52 P P 09 30 10.6 +1.2
 ESJX Sierra Juarez 84.61 53 I Amb I Amb 09 30 11.8
 SMCO Snowmass 84.86 43 I Amb I Amb 09 30 13.3
 SUSD Summit 84.87 35 P P 09 30 10.9 +0.4
 F33A 5 Mile Ranch, 84.93 33 I Amb I Amb 09 30 12.3
 WUAZ Wuzuki 85.00 48 P P 09 30 12.9 +1.5
 Y14A Wickenburg 85.12 50 I Amb I Amb 09 30 14.2
 ISCO Idaho Springs 85.13 42 P P 09 30 13.0 +0.8
 EYMN Ely 85.14 29 P P 09 30 11.9 +0.2
 BRIGG Briggsdale 85.22 40 I Amb I Amb 09 30 14.5
 MVCO Mesa Verde 85.44 45 I Amb I Amb 09 30 16.1
 MVCO Mesa Verde 85.44 45 P P 09 30 14.9 +1.2
 SCHQ Schafferville 85.55 12 I Amb I Amb 09 30 14.7
 SCHQ Schafferville 85.55 12 P P 09 30 13.8 +0.2
 X16A Lo Mia Camp, P 85.72 49 I Amb I Amb 09 30 17.8
 S22A 4UR Ranch, Cre 85.98 44 I Amb I Amb 09 30 19.0
 S22A 4UR Ranch, Cre 85.98 44 P P 09 30 17.8 +1.4
 OGNE Ogallala 86.10 39 P P 09 30 17.5 +0.9
 W18A Petalung Fore 86.23 47 P P 09 30 18.7 +1.3
 ECSD EROS Data Cent 86.47 34 I Amb I Amb 09 30 20.0
 ECSD EROS Data Cent 86.47 34 P P 09 30 19.2 +1.0
 BKZ Black Stump Fr 86.51 148 P P 09 30 18.8 +0.5
 214A Organ Pipe Nat 86.60 51 P P 09 30 20.1 +1.0
 SDCO Great Sand Dun 86.70 43 P P 09 30 20.6 +0.8

30d 11h

Table with columns: KURS, ARXS, ARXS, SATY, SATY, KTBS, KTBS. Includes station names, frequencies, and other technical details.

SOME 30 10:40:32.0, 43'42N-69'68E
NNC 30 10:40:35.7-0.2, 43'11N-70'52E, h97km, 1km, mb2.2,
mpv3.3, Error ellipse: s-maj=4.9km s-min=4.0km az=129.0

KRNET 30 10:40:31.0-0.1, 43.889N-69.87E, mb3.1, 33C-7D, Central

Main table for 30d 11h section, listing stations like KK09, KK09, KK09, etc. with columns for Code, Station Name, Frequency, and other parameters.

BGR 30 10:51:04.0, 21'93S-174'03W, h33km
IDC 30 10:51:59.0-2.5, 20'44S-177'69W, h469km, 25km,
mb3.8/14, mbmtmp4.6/16, Error ellipse: s-maj=17.6km
s-min=14.4km az=126.0

NEIC 30 10:52:01.1-1.8, 20'55S-0'1-177'7W-0'1, h479km, 7km,
mb4.5/51, Error ellipse: s-maj=20.0km s-min=15.0km
az=132.0

ISC 30 10:52:01.8-0.4, 20'48S-0'09-177'75W-0'09, h500km,
n148, a0E99/152, mb4.5/48, 12C-4D, Fiji Islands region

Table for 30d 11h section, listing stations like AFI, PINNC, DZM, etc. with columns for Code, Station Name, Frequency, and other parameters.

2017 NOV

Main table for 2017 NOV section, listing stations like BBOO, WR0, AS31, etc. with columns for Code, Station Name, Frequency, and other parameters.

2042

Main table for 2042 section, listing stations like ARCES, FINES, HFS, etc. with columns for Code, Station Name, Frequency, and other parameters.

IDC 30 10:53:14.9-2.0, 3'15N-123'96E, h0km, mb3.6/3,
mbmtmp3.3, Error ellipse: s-maj=200.7km
s-min=28.7km az=63.0, Celebes Sea

Table for IDC 30 10:53:14.9-2.0, 3'15N-123'96E, h0km, mb3.6/3,
mbmtmp3.3, Error ellipse: s-maj=200.7km s-min=28.7km az=63.0, Celebes Sea

IDC 30 10:57:24.8-1.3, 5'1.66N-75'46E, h0km, mbmtmp2.8/2,
ML2.3/2, Error ellipse: s-maj=36.4km s-min=9.9km
az=29.0, Eastern Kazakhstan

Table for IDC 30 10:57:24.8-1.3, 5'1.66N-75'46E, h0km, mbmtmp2.8/2,
ML2.3/2, Error ellipse: s-maj=36.4km s-min=9.9km az=29.0, Eastern Kazakhstan

NIED 30 11:09:19.7, 41.68N, 143.60E, h44km, MW4.0, Moment Tensor Solution, s3 Moment tensor: Scale 1015Nm; Mn:-1.29; Mw:0.12; Ms:1.16; Mb:-0.16; Mw:0.45; Mv:0.02; Fault plane solution: M1:32000x1015 NP1: 0x153.00000, 846.00000, -1, 100.00000... NP2: 0x347.00000, 845.00000, -1, 80.00000...

JMA 30 11:09:19.7, 41.68N, 143.60E, h44km, MW4.0, Moment Tensor Solution, s3 Moment tensor: Scale 1015Nm; Mn:-1.29; Mw:0.12; Ms:1.16; Mb:-0.16; Mw:0.45; Mv:0.02; Fault plane solution: M1:32000x1015 NP1: 0x153.00000, 846.00000, -1, 100.00000... NP2: 0x347.00000, 845.00000, -1, 80.00000...

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JEM Erimo, JTHR Tokachihiroo, JNBK Urakawa-nobuka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MJAR Matsuhiro Arr, USRK Ussuriysk Ar, KLR Kul'dur, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KSRS Korea Array, JNU Nakatsue, SEY Seymchan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SONM Songino Array, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H1H3 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MKAR Makanchi Array, KURBB Kurchatov Arra, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BVAR Borovoye Array, BELG Belgorodnyy, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GEYT Alibeck, FINES Fines Array B, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KBZ Khabaz, HFS Hagfors, NOA NORSAR Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SFK Suft-Kurgan, AML Almayshu, AML Aral, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ARLS Aral, DGS Degeres, DGS Degeres, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KST Kasteik, BTLS Baital, BTLS Baital, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KRBS Karabastau, IDC 30 11:45:10.7, NDI 30 11:45:12.3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BHK Bhakra, BHK New Delhi, NDI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include THN Thein Dam, SONA Sohna, SONA Kundal, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KUDL Kundal, KHET Khetri, JMU Jammu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PTH Pitthoragarh, LGTI Lohaghat, LGTI Ajmer, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PJUN Piuthan, DANN Dangsing, KOLN Koldanda, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GKN Gorkha, KKN Kakani, PKIN Phulchoki, etc.

Mw:0.74; 35; Best double couple: Mw:3.64900x1016 NP1:0x195.00000, 849.00000, -1, 107.00000... NP2: 0x39.00000, 844.00000, -1, 72.00000... Principal axes: T 3.2570, Plg3.0000, Azm297.0000; N 0.7840, Plg12.0000, Azm206.0000; P -4.0410, Plg77.0000, Azm38.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

SOME 30 11:27:08.2, 40.92N, 69.72E, h10km NNC 30 11:27:10.7, 40.92N, 69.36E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=25.0km s-min=15.6km az=63.0

KRNET 30 11:27:10.1, 41.15N, 69.74E, h14km, mb2.5 ISC 30 11:27:12.3, 1.8, 41.14N, 0.04, 69.96E, 0.09, h85km, n18, e248/26, 6C-10D, Kyrgyzstan

IDC 30 11:47:45.3, 0.4, 20.54S, 173.84W, h0km, mb5.0/18, mbtmps=0.21, ML=4.93, MS=2.45, Error ellipse: s-maj=16.9km s-min=12.9km az=132.0

BJI 30 11:47:46.0, 0.0, 20.51S, 173.57W, h8km, mb5.3/38, mb5.8/19, Ms5.4/4, Ms7.4/9.6 NEIC 30 11:47:46.3, 0.2, 20.63S, 0.08, 173.73W, h10km, 1km, mb5.4/433, Mw5.0/6, Error ellipse: s-maj=14.8km s-min=11.4km az=134.0

NOU 30 11:47:46.7, 20.59S, 173.30W, h13km, mb5.3/106, Tonga Islands NEIC 30 11:47:47.8, 20.70S, 173.37W, h12km, Moment Tensor Solution, Duration: 188 Moment tensor: Scale 1019Nm; Mn:-1.64; Mw:0.11; Ms:1.20; Mb:-0.94; Mw:0.22; Mw:3.13; Fault plane solution: M1:37000x1016 NP1: 0x163.44000, 878.01000, -1, 90.43000... NP2: 0x345.49000, 811.99000, -1, 87.99000... Principal axes: T 3.3812, Plg33.0000, Azm254.0000; N 0.3808, Plg0.0000, Azm164.0000; P -3.7619, Plg57.0000, Azm73.0000

NEIC 30 11:47:47.8, 20.60S, 173.90W, h12km MOS 30 11:47:47.0, 1.1, 20.75S, 173.86W, h19km, mb5.5/32, Error ellipse: s-maj=11.4km s-min=9.3km az=49.0 BGR 30 11:47:48.7, 21.24S, 171.13W, h33km GCMT 30 11:47:50.6, 0.3, 20.76S, 0.04, 173.23W, 0.02, h18km, 1km, Mw5.0/65, Moment Tensor Solution, s32, c34, s85, c103; Duration: 0 Moment tensor: Scale 1016Nm; Mn:-3.20; 2.25; Mw:1.13; 1.16; Mw:2.67; 1.6; Mw:0.77; 1.47; Mw:1.10; 1.0

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NIUE Niue, NIUE Niue, NIUE Niue, etc.

30d 11h

G16K	Tagagawik	87.13	6	P	P	12 00 32.4 +0.1
R33M	Jennings River	87.15	20	P	P	12 00 33.2 +0.5
H20K	Anotilleega Mo	87.16	8	P	P	12 00 32.7 +0.2
NEA2	Nenana	87.17	10	P	P	12 00 32.6 0.0
L27K	Beaver Creek	87.21	14	P	P	12 00 33.2 +0.3
P33M	Teslin, Yukon	87.21	19	P	P	12 00 33.5 +0.5
HND0	Hondo	87.24	57	I	Amb	12 00 36.4
JCT	Junction City	87.24	56	P	P	12 00 34.0 +0.2
JCT	Junction City	87.24	56	P	P	12 00 34.0 +0.2
JCT	Junction City	87.24	56	P	P	12 00 33.3 -0.5
JCT	Junction City	87.24	56	P	P	12 00 34.6 +0.9
I21K	Tanana	87.26	9	I	Amb	12 00 34.0
I21K	Tanana	87.26	9	P	P	12 00 32.9 -0.1
RWWY	Rawlins	87.27	43	I	Amb	12 00 35.2
MLY	Manley	87.31	9	P	P	12 00 32.3 -1.0
MLY	Manley	87.31	9	P	P	12 00 32.4 -0.8
ISCO	Idaho Springs	87.36	46	P	P	12 00 33.9 +0.4
ISCO	Idaho Springs	87.36	46	P	P	12 00 34.9 +0.4
HDA	Harding Lake	87.37	11	P	P	12 00 33.0 -0.5
N31M	Braeburn, Yuko	87.38	17	P	P	12 00 33.8 +0.1
CCB	Clear Creek Bu	87.43	11	I	Amb	12 00 34.6
F17K	Baldwin Pennin	87.43	5	P	P	12 00 34.0 +0.3
SN01	Snyder I	87.46	54	I	Amb	12 00 36.3
M29M	Somme Creek	87.47	16	I	Amb	12 00 35.8
M29M	Somme Creek	87.47	16	P	P	12 00 33.5 -0.7
G19K	Purcell Mounta	87.53	7	P	P	12 00 33.9 -0.4
SCRK	Sand Creek	87.55	13	P	P	12 00 34.1 -0.4
SCRK	Sand Creek	87.55	13	P	P	12 00 34.3 -0.2
VNA3	Neumayer Olymp	87.56	175	I	P	12 00 35.6 +1.0
SNA4	Sanae	87.58	177	P	P	12 00 33.6 -1.2
SNA4	Sanae	87.58	177	P	P	12 00 35.9 +1.1
SNA4	Sanae	87.58	177	I	P	12 00 36.0 +1.1
SNA4	Sanae	87.58	177	P	P	12 00 35.7 +0.9
SNA4	Sanae	87.58	177	I	P	12 00 36.7
H21K	Melozitna Rive	87.59	8	I	Amb	12 00 36.3
H21K	Melozitna Rive	87.59	8	P	P	12 00 34.2 -0.4
COLA	College	87.63	11	P	P	12 00 34.8 +0.1
COLA	College	87.63	11	P	P	12 00 35.6
COLA	College	87.63	11	P	P	12 00 34.5 -0.2
COLA	College	87.63	11	P	P	12 00 34.8 +0.1
COLA	College	87.63	11	P	P	12 00 34.2 -0.5
I23K	Minto, Yukon-K	87.63	10	I	Amb	12 00 35.7
I23K	Minto, Yukon-K	87.63	10	P	P	12 00 33.4 -1.3
SEY	Seymchan	87.64	345	e	P	12 00 35.1 +0.3
SEY	Seymchan	87.64	345	e	P	12 00 35.1 +0.3
SEY	Seymchan	87.64	345	e	P	12 00 35.1 +0.3
IL31	Elison Array	87.71	11	P	P	12 00 34.5 -0.6
ILAR	Elison Array	87.71	11	P	P	12 00 34.5 -0.6
RTBA	Rita Blanca	87.74	50	I	Amb	12 00 37.6
HEH	Heihe	87.77	327	e	P	12 00 35.3 -0.4
HEH	Heihe	87.77	327	e	P	12 00 35.3 -0.4
AMTX	Amarillo	87.79	51	I	Amb	12 00 38.2
AMTX	Amarillo	87.79	51	P	P	12 00 34.9 -1.5
AMTX	Amarillo	87.79	51	P	P	12 00 37.2 +0.9
RLMT	Red Lodge	87.80	40	P	P	12 00 35.6 -0.7
DKNS	Dickens	87.80	53	I	Amb	12 00 39.0
J25K	Salcha River,	87.85	12	I	Amb	12 00 49.9
J25K	Salcha River,	87.85	12	P	P	12 00 36.0 +0.2
N32M	Quiet Lake	87.88	18	P	P	12 00 36.3 +0.2
POKR	Poker Plat Res	87.93	11	P	P	12 00 36.2 0.0
K27K	Chicken	88.00	13	I	Amb	12 00 39.4
K27K	Chicken	88.00	13	P	P	12 00 36.4 -0.1
M30M	Minto, Yukon	88.01	16	I	Amb	12 00 53.4
M30M	Minto, Yukon	88.01	16	P	P	12 00 36.2 -0.5
H22K	Ishlaltitna Cre	88.02	9	P	P	12 00 36.1 -0.5
E17K	Hotham Inlet	88.02	5	P	P	12 00 36.5 0.0
VNA2	Neumayer-Watz	88.05	175	I	P	12 00 38.4 +1.5
J26L	Joseph Creek	88.10	13	P	P	12 00 36.5 -0.7
735A	Kenedy	88.12	58	P	P	12 00 39.5 +1.6
L29M	L29M	88.12	15	I	Amb	12 00 39.9
L29M	L29M	88.12	15	P	P	12 00 36.7 -0.5
F19K	Shaleruckik Mo	88.13	6	P	P	12 00 36.6 -0.5
K22A	Casper	88.20	43	I	Amb	12 00 39.6
K22A	Casper	88.20	43	P	P	12 00 37.0 -1.2
K22A	Casper	88.20	43	P	P	12 00 38.5 +0.3
BRDY	Brady	88.21	56	I	Amb	12 00 39.8
APMT	Aspermont	88.25	53	I	Amb	12 00 40.2
VNA1	Neumayer-Stat	88.25	175	I	P	12 00 40.0 +2.2
ABTX	Abilene, Hawle	88.30	54	P	P	12 00 38.9 +0.1
ABTX	Abilene, Hawle	88.30	54	P	P	12 00 39.6 +0.8
MT01	Popeta	88.31	126	P	P	12 00 39.5 +0.6
MT01	Popeta	88.31	126	P	P	12 00 41.2
G21K	Allakaket	88.32	8	I	Amb	12 00 39.7
G21K	Allakaket	88.32	8	P	P	12 00 37.6 -0.4

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M31M	Drury Creek, Y	88.35	17	P	P	12 00 38.2 0.0
WTLY	Watson Lake, Y	88.41	21	P	P	12 00 38.9 +0.3
E18K	Tukohleairk C	88.45	5	P	P	12 00 38.8 +0.2
D17K	Noatak River	88.54	4	P	P	12 00 39.0 -0.1
F20K	Avaraat Lake	88.56	7	I	Amb	12 00 40.8
F20K	Avaraat Lake	88.56	7	P	P	12 00 39.3 +0.2
RPSI	Rantlau Prapat	88.62	273	I	Amb	12 00 43.2
DAWY	Dawson	88.63	14	P	P	12 00 40.0 +0.4
DAWY	Dawson	88.63	14	P	P	12 00 42.1
DAWY	Dawson	88.63	14	P	P	12 00 39.4 -0.2
PRP	Porcupine Dune	88.63	11	I	Amb	12 00 41.9
PRP	Porcupine Dune	88.63	11	P	P	12 00 40.1 +0.4
PSI	Prapat	88.66	273	P	P	12 00 43.0 +2.0
FARO	Faro, Yukon	88.66	18	P	P	12 00 40.1 +0.3
E19K	Redstone River	88.79	6	I	Amb	12 00 42.5
E19K	Redstone River	88.79	6	P	P	12 00 40.0 -0.2
LIRD	Liard River Hi	88.81	22	P	P	12 00 41.0 +0.6
HNS	HongShan	88.83	311	I	P	12 00 43.0 +1.9
HNS	HongShan	88.83	311	I	P	12 00 43.0 +1.9
EGAK	Eagle	88.85	13	P	P	12 00 41.2 +0.7
EGAK	Eagle	88.85	13	P	P	12 00 42.8
EGAK	Eagle	88.85	13	P	P	12 00 41.1 +0.6
K29M	Barlow Dune	88.89	15	I	Amb	12 00 43.0
K29M	Barlow Dune	88.89	15	P	P	12 00 41.2 +0.3
I26K	Coal Creek Min	88.90	12	I	Amb	12 00 42.7
I26K	Coal Creek Min	88.90	12	P	P	12 00 41.2 +0.5
RDOG	Red Dog Mine	88.91	4	P	P	12 00 41.0 +0.2
SMWD	Sarowood	88.94	52	I	Amb	12 00 44.3
G22K	Bettles	88.97	9	P	P	12 00 41.4 +0.3
G23K	Baranara Creek	88.98	9	P	P	12 00 41.2 0.0
F21K	Alatina River	88.99	8	I	Amb	12 00 55.0
F21K	Alatina River	88.99	8	P	P	12 00 40.8 -0.4
KSCO	Kaye Shedlock	89.01	47	I	Amb	12 00 45.2
KSCO	Kaye Shedlock	89.01	47	P	P	12 00 41.7 -0.4
KSCO	Kaye Shedlock	89.01	47	P	P	12 00 42.9 +0.8
BJT	Baijiatuu	89.03	314	P	P	12 00 41.2 -0.8
BJT	Baijiatuu	89.03	314	I	Amb	12 00 56.7
BJT	Baijiatuu	89.03	314	P	P	12 00 42.6 +0.6
BJT	Baijiatuu	89.03	314	P	P	12 00 41.2 -0.8
BJI	Beijing	89.04	314	P	P	12 00 43.3 +1.3
BJI	Beijing	89.04	314	P	P	12 00 43.3 +1.3
EGMT	Eagleton	89.08	37	P	P	12 00 42.9 +0.8
EGMT	Eagleton	89.08	37	P	P	12 00 43.8
EGMT	Eagleton	89.08	37	P	P	12 00 42.1 -0.1
MAYO	Mayo, Yukon	89.09	16	P	P	12 00 41.8 +0.1
435B	Jarrell	89.10	57	P	P	12 00 41.9 -0.6
LYN	LuoYang	89.18	307	e	P	12 00 44.5 +1.7
LYN	LuoYang	89.18	307	e	P	12 00 44.5 +1.7
LYN	LuoYang	89.18	307	e	P	12 00 44.5 +1.7
H27L	Birch Creek	89.26	11	P	P	12 00 42.5 +0.1
C15K	Delong Mountai	89.31	4	P	P	12 00 42.5 -0.1
PLPT	Palo Pinto	89.39	55	I	Amb	12 00 46.7
F22K	John Valley	89.43	8	P	P	12 00 42.8 -0.4
COLD	Coldfoot	89.44	9	P	P	12 00 43.5 +0.3
I27K	Kandik River	89.47	13	P	P	12 00 43.7 +0.1
C18K	Utukok River	89.61	4	I	Amb	12 00 45.9
C18K	Utukok River	89.61	4	P	P	12 00 44.3 +0.2
TGNT	Hyland Airport	89.65	20	P	P	12 00 44.2 -0.2
ENH	Enshi	89.66	303	P	P	12 00 46.2 +1.0
G25K	Bearman Lake	89.66	11	P	P	12 00 44.0 -0.2
E20K	Nigu River	89.67	6	P	P	12 00 44.3 -0.2
FW03	Perrin-Whitt E	89.68	54	I	Amb	12 00 48.0
WTF5	Witchita Falls	89.68	54	I	Amb	12 00 47.8
I28M	Miner Creek	89.69	13	I	Amb	12 01 02.8
I28M	Miner Creek	89.69	13	P	P	12 00 45.5 +0.9
WHTX	Lake Whitney,	89.70	56	P	P	12 00 45.6 +0.2
D19K	Kuna River	89.71	6	I	Amb	12 00 55.5
D19K	Kuna River	89.71	6	P	P	12 00 44.2 -0.4
MT03	Montecristo	89.74	75	I	Amb	12 00 48.4
BILL	Bilibino	89.78	353	e	P	12 00 47.1 +2.3
J30M	Hart River	89.79	15	P	P	12 00 45.8 +0.7
WMOK	Wichita Mounta	89.86	53	P	P	12 00 46.2 +0.1
ZEA	Zeya	89.93	329	e	P	12 00 47.0 +1.2
ZEA	Zeya	89.93	329	e	P	12 00 47.0 +1.2
ZEA	Zeya	89.93	329	e	P	12 00 47.0 +1.2
ELIS	Ellis County	89.97	51	I	Amb	12 00 48.6
I29M	Ogilvie Camp	89.98	14	I	Amb	12 00 48.7
I29M	Ogilvie Camp	89.98	14	P	P	12 00 46.1 +0.3
H27K	Steamboat Moun	90.04	12	P	P	12 00 46.4 +0.2
KOTAN	Kotaneleele Air	90.05	22	P	P	12 00 46.8 +0.5
F24K	Squaw Lake					

2047

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HHC, TUL3, E29M, etc.

2017 NOV

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WMQI, MKAR, KURK, etc.

30d 12h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like OZUR, MEMB, BTNL, etc.

SOME 30 12:11:31.4, 43.47N-82.82E, h0km
NMC 30 12:11:36.5, 1.3, 43.68N-82.28E, h0km, mb3.7, mpv3.4,
Error ellipse: s-maj=10.9km s-min=7.9km az=161.0
ISC 30 12:11:28.7, 2.2, 43.43N-81.82E, 0.1, h10km, n25,
=151726, Northern Xinjiang

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

IDC 30 13:31:15.3±1.0, 30°60'S:178°98'W, h161km, mb4.0, m, mbmp4.4/9, Error ellipse: s-maj=19.0km s-min=15.1km az=129.0

NEIC 30 13:31:23.9±1.3, 31°45.0'±1.7°W:169.0°E, h204km, 13km, mb4.3/17, Error ellipse: s-maj=24.9km s-min=17.2km az=97.0

ISC 30 13:31:13.1±0.5, 30°94'S:06°178.8W:0.1, h150km, n99, e182/111, mb4.5/17, Kermadec Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like KURBB, BVAR, ARCES, etc.

NEIC 30 13:43:15.3±2.2, 18°71'N:101°62'W:0.05, h64km, 15km, mb4.1/50, MD4.6/16(MEX), Error ellipse: s-maj=8.8km s-min=6.3km az=185.0

MEX 30 13:43:15.8±0.9, 18°70'N:101°62'W, h77km, 15km, MD4.6, IDC 30 13:43:21.5±0.3, 19°06'N:101°16'W, h121km, 25km, mb3.8/8, mbmp4.1/12, M4.3/21, Error ellipse: s-maj=39.2km az=4.0

ISC 30 13:43:15.0±0.7, 18°68'N:101°59'W:0.04, h73km, 7km, n266, e092/258, mb4.1/21, Guerrero

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like UON, MOIG, ZIIG, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like LCAR, TPFO, PFO, etc.

2051

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like UNCR, KRNK, XNZR, etc.

TEH 30 14:19:25.6, 32°42'N, 47°28'E, h8km, 37km, ML3.0
ISN 30 14:19:26.6, 0.9, 32°33'N, 47°26'E, h10km, 18km, ML3.0
ISC 30 14:19:30.4, 1.3, 32°41'N, 0.05, 47°29'E, 0.04, h23km, n18,

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like IKFM, RAFI, ILBA, etc.

BGR 30 14:32:51.2, 21°55'S, 177°14'W, h33km
NEIC 30 14:33:52.8, 1.5, 20°35'N, 178°44'W, 0.1, h573km, 7km,
mb4.5/93, Error ellipse: s-maj=18.9km s-min=14.9km
az=130.0,

IDC 30 14:33:55.0, 1.9, 20°16'S, 178°57'W, h595km, 22km,
mb3.6/19, mbtmp4.5/20, Error ellipse: s-maj=13.5km
s-min=12.0km az=106.0

NOU 30 14:33:55.3, 20°32'S, 178°39'W, h611km, mb4.4/41, Fiji Islands Region

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like TAVE, DGTI, YSA, etc.

2017 NOV

Main table with columns: THZ, Topouse, 22.56 197, P, P, 14 38 10.4 -0.5, etc. Includes stations like THZ, DSZ, DVZ, etc.

30d 14h

Table with columns: ELIB, Princess Elisa, 86.73 187, dPcP, PcP, 14 45 36.8 -0.8, etc. Includes stations like H19K, TXAR, M27K, etc.

30d 15h

Table with columns: DOPR, CLL, CLL, CLL, DPC, DPC, MIL, LANS, MORC, MORC, BRG, BRG, BRG, FBE, FBE, NEUB, NEUB, PVCC, VOIR, ARR, BUG, PRU, VRAC, VRAC, MOX, KASTN, JAVC, TANN, TANN, WERD, GUNZ, GUNZ, WERN, WERN, NKK, KRUC, MANZ, ZVC, ROTZ, ROTZ, GZR, SURR, TNS, KHC, KHC, CKRC, CKRC, BZS, GECC, GERES, GERES, CONA, RONA, MORH, MOA, BLBK, BOVS, LESA, WATA, WTTA, MYKA, DAVOX, TORD, TORD, TORD

DRC 30 14:35:10.3, 14.37N, 49.68E, h12km
TEH 30 14:35:11.4, 40.31N, 48.67E, h10km, 90km, ML2.8
ISC 30 14:35:07.5-2.1, 40.48N, 0.05-49.2E, 0.1, h5km, 13km, n18,
r1572/28, Eastern Caucasus

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

BEQ 30 14:40:18.6, 0.4, 43.76N, 17.55E, h1km, 3km, ML2.6/9
PDG 30 14:40:19.7, 0.1, 43.65N, 17.48E, h1km, ML3.0/10, Error
ellipse: s-maj=0.4km s-min=1.0km az=0.0
RHSSO 30 14:40:19.1, 0.2, 43.72N, 17.51E, h4km, 1km, ML2.8/18
ISC 30 14:40:17.9, 1.1, 43.70N, 0.02-17.49E, 0.01, h2km, 10km,

2017 NOV

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

ISC 30 15:16:20.2, 1.2, 0.1S, 0.2, 127.3E, 0.2, h10km, n8, r151/6,
mbmp3.6/5, MS3.7/2, Error ellipse: s-maj=185.8km
s-min=21.5km az=67.0
DJA 30 15:16:28.0, 0.6, 3.7N, 6.6, 12.9E, h10km, M3.9/7, mb4.1/1,
MLV3.8/7

2052

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

JMA 30 15:39:14.9, 0.1, 24.1N, 0.9, 122.5E, 0.3, h32km, 2km,
MV2.5/15, NW OFF ISHIGAKUJIMA, h35km, ML3.2, C
TAP 30 15:39:15.8, 24.18N, 122.50E, h35km, ML3.2, C
ISC 30 15:39:15.2, 1.1, 24.10N, 0.03, 122.52E, 0.02, h34km, 2km,
n68, r082/87, 1D, Taiwan region

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

WHYU Hatiduan 1.53 232 eP Pn 15 39 40.2 0.0
WHYU Xinyi Township 1.57 256 eP Pn 15 39 42.7 -1.1
WHYU Donghe 1.58 225 eS Sn 15 39 59.4 -0.8
EDLTW Lidu 1.65 237 eP Pn 15 39 42.1 +0.2

2057

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like GMRC Granite Mounta, BELA Belgrano 2, YBHR Yreka Blue Hor, etc.

2017 NOV

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like HLID Hailey, K17K Kitarok, J16K Anvik River, etc.

30d 17h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SEY Seymchan, SEY Seymchan, CCB Clear Creek Bu, etc.

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

RSNC 30 18:05:49.2-0.6, 10.20N:72.91W, h6km,3km,ML2.5
FUNV 30 18:05:50.3, 10.42N:72.76W, h5km, MW3.4
ISC 30 18:05:47.7-1.2, 10.19N:0.04:72.85W-0.03, h13km±10km, n13, c094/24, Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MCQV, LL6C, CRUC, etc.

IDC 30 18:08:03.0-1.8, 2.44N:128.56E, h0km, mb4.0/8, mbtmp4.0/8, Error ellipse: s-maj=201.7km s-min=16.2km az=69.0

NEIC 30 18:08:04.4-1.0, 2.59N:0.08:129.0E:0.1, h10km±1km, mb4.2/1.1, Error ellipse: s-maj=24.1km s-min=14.4km az=87.0

ISC 30 18:08:03.9-0.8, 2.56N:0.10:129.0E:0.2, h10km, n27, c090/23, mb4.2/1.3, Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI, WRA, AS31, etc.

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

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

IDC 30 18:08:03.0-1.8, 2.44N:128.56E, h0km, mb4.0/8, mbtmp4.0/8, Error ellipse: s-maj=201.7km s-min=16.2km az=69.0

NEIC 30 18:08:04.4-1.0, 2.59N:0.08:129.0E:0.1, h10km±1km, mb4.2/1.1, Error ellipse: s-maj=24.1km s-min=14.4km az=87.0

ISC 30 18:08:03.9-0.8, 2.56N:0.10:129.0E:0.2, h10km, n27, c090/23, mb4.2/1.3, Halmahera

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

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

NOU 30 18:07:9.22:45S:167.27E, h0km, MLV2.9/6, New Caledonia, New Caledonia

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

JMA 30 18:43:53.0:1.0, 4.7N:7.15:153E:1.0, h30km, MV4.4/11, KURILE ISLANDS REGION

IDC 30 18:43:58.4:3.0, 4.6:88N:152.59E, h78km,27km, mb3.5/12, mbtmp3.8/15, Error ellipse: s-maj=26.1km s-min=18.0km az=142.0

ISC 30 18:43:54.6:0.9, 4.6:6N:0.1:152.7E:0.1, h50km, n33, c198/28, mb3.8/1.1, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEM2, JRA, JNK, etc.

H11N2 WAKE ISLAND Hy 29.20 152 T 19 21 13.2

H11N1 WAKE ISLAND Hy 29.22 152 T 19 21 13.2

H11N3 WAKE ISLAND Hy 29.22 152 T 19 21 15.8

H11S1 WAKE ISLAND Hy 30.28 153 T 19 22 38.9

H11S3 WAKE ISLAND Hy 30.29 153 T 19 22 37.7

H11S2 WAKE ISLAND Hy 30.30 153 T 19 22 38.3

ZALV Zalesovo Beam 42.49 306 P 18 51 42.1 -2.5

MKAR Makanchi Array 46.79 297 P 18 52 17.9 -1.1

KURBB Kurchatov Arra 47.33 304 P 18 52 21.2 -1.9

CMAR Chiang Mai Arr 52.09 256 P 18 53 01.0 +1.4

FINES Fines Array B 64.07 335 P 18 54 21.8 -1.0

PDAR Pinedale Array 65.04 54 P 18 54 30.4 +0.6

NB2 NORSAR Subarra 68.29 341 P 18 54 48.9 -1.0

NOA NORSAR Array B 68.29 341 P 18 54 49.0 -0.9

HFS Hagfors 68.51 339 P 18 54 50.3 -1.0

AKASG Malin Array Be 71.53 326 P 18 55 08.7 -1.1

ASAR Alice Springs 71.98 198 P 18 55 14.1 +1.3

TXAR Lajitas Array 77.79 60 P 18 55 46.9 +0.2

H03N2 Juan Fernandez 139.00 90 T 21 38 38.8

H03N1 Juan Fernandez 139.02 90 T 21 38 40.1

H03N3 Juan Fernandez 139.02 90 T 21 38 39.9

DJA 30 18:43:56.5:1.5, 10.5S:5.11:3E:1.1, h31km±25km, M4.7/19, mb4.8/12, mb5.0/5, ML4.4/9.19, Mw(MB)4.4/5

NEIC 30 18:43:57.6:1.3, 9.4S:0.1:12.9E:0.03, h60km,9km, mb4.5/34, Error ellipse: s-maj=16.1km s-min=3.1km az=168.0

IDC 30 18:43:59.6:1.9, 9.41S:1.13:15E, h79km,17km, mb4.1/15, mbtmp4.5/18, MS3.2/4, Error ellipse: s-maj=19.6km s-min=10.7km az=30.0

ISC 30 18:43:56.0:0.5, 9.55S:0.06:113.01E:0.05, h50km, n125, c1975/120, mb4.6/37, MS3.4/3, South of Jawa

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

30d 18h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like UGM, YOGI, SMRI, etc.

2017 NOV

Main table with columns for station code, name, frequency, power, and other technical details. Includes stations like WMQ, KSH, ASAJ, etc.

2060

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

2061

L15K	Ungalak Mounta baz=263	34.95	41	P	P	18 54 52.3 +0.8
K15K	Wolf Creek Mou baz=262	35.01	39	P	P	18 54 53.0 +0.9
H16K	Elim baz=258	35.12	35	P	P	18 54 52.9 0.0
M15K	Kasigluk River baz=265	35.23	42	P	P	18 54 54.4 +0.5
G16K	Koyuk River comp=Z,11nm,1.2s	35.23	34	P	IAmb	18 54 54.4 +0.5 18 54 56.7
G16K	Koyuk River baz=257	35.23	34	P	P	18 54 54.5 +0.6
D17K	Noatak River baz=253	35.57	30	P	P	18 54 56.5 -0.2
I17K	Unalakleet baz=260	35.63	37	P	P	18 54 58.6 +1.3
CHNA	Chernabura Isl baz=274	35.77	52	P	P	18 55 00.2 +1.6
C17K	DeLong Mountai baz=252	35.77	29	P	P	18 54 59.4 +0.9
E17K	Hotham Inlet baz=255	35.86	31	P	P	18 55 00.1 +0.9
L16K	Owhat River comp=Z,15nm,1.5s	35.91	41	P	IAmb	18 55 00.5 +0.8 18 55 10.6
L16K	Owhat River baz=261	35.91	41	P	P	18 55 00.3 +0.6
F17K	Baldwin Pennin baz=266	35.92	32	P	P	18 55 00.6 +0.8
F17K	Baldwin Pennin baz=266	35.92	32	P	P	18 55 00.5 +0.7
G17K	Kiwalik Mounta baz=258	35.95	34	P	P	18 55 01.0 +0.9
M16K	Timber Creek comp=Z,15nm,1.3s	36.10	42	P	IAmb	18 55 02.0 +0.7 18 55 39.9
M16K	Timber Creek baz=266	36.10	42	P	P	18 55 01.9 +0.6
H17K	Granite Mounta comp=Z,14nm,1.4s	36.15	35	P	IAmb	18 55 02.5 +0.7 18 55 20.0
H17K	Granite Mounta baz=260	36.15	35	P	P	18 55 02.7 +0.9
N16K	Nishlik Lake baz=267	36.16	43	P	P	18 55 02.5 +0.6
E18K	Tukpahleark C comp=Z,4.6nm,0.9s	36.41	31	P	IAmb	18 55 04.5 +0.6 18 55 06.3
E18K	Tukpahleark C baz=256	36.41	31	P	P	18 55 04.4 +0.6
C18K	Utukok River baz=259	36.52	29	P	P	18 55 04.6 -0.3
C18K	Utukok River baz=254	36.52	29	P	P	18 55 04.6 -0.3
K17K	Iditarod baz=264	36.55	39	P	P	18 55 05.5 +0.3
K17K	Iditarod baz=264	36.55	39	P	P	18 55 06.0 +0.8
H18K	Honhosa River baz=261,SNR=6.7	36.84	35	P	P	18 55 08.4 +0.8
H18K	Honhosa River baz=261,SNR=6.7	36.84	35	P	P	18 55 08.1 +0.5
G18K	Tagagawik baz=260	36.84	34	P	P	18 55 08.4 +0.7
G18K	Tagagawik baz=260	36.84	34	P	P	18 55 08.5 +0.9
M17K	Holitna River baz=267	36.86	41	P	P	18 55 08.4 +0.6
M17K	Holitna River baz=267	36.86	41	P	P	18 55 09.1 +1.3
O17K	Koliganek Bris baz=270	36.97	44	P	P	18 55 09.1 +0.4
C19K	Lookout Ridge comp=Z,7.2nm,0.8s	37.20	28	P	IAmb	18 55 10.8 0.0 18 55 11.3
C19K	Lookout Ridge baz=255	37.20	28	P	P	18 55 10.8 0.0
L18K	Granite Mounta comp=Z,9.0nm,1.3s	37.26	40	P	IAmb	18 55 11.8 +0.6 18 55 22.9
L18K	Granite Mounta baz=266	37.26	40	P	P	18 55 11.8 +0.6
J18K	Innoko River baz=265	37.34	38	P	P	18 55 12.7 +0.8
F19K	Shaleruckik Mo comp=Z,8.4nm,0.8s	37.36	32	P	IAmb	18 55 12.2 +0.2 18 55 12.9
F19K	Shaleruckik Mo baz=260	37.36	32	P	P	18 55 12.2 +0.2
G19K	Purcell Mounta comp=Z,8.4nm,0.8s	37.51	34	P	IAmb	18 55 13.7 +0.3 18 55 14.4
G19K	Purcell Mounta baz=261	37.51	34	P	P	18 55 13.9 +0.5
D19K	Kuna River baz=257	37.57	30	P	P	18 55 13.8 -0.1
D19K	Kuna River baz=257	37.57	30	P	P	18 55 15.0 +1.2
N18K	Kilae Creek comp=Z,16nm,1.5s	37.59	43	P	IAmb	18 55 14.7 +0.7 18 55 53.6
N18K	Kilae Creek baz=266	37.59	43	P	P	18 55 14.8 +0.4
TTA	Tatalina baz=268	37.62	39	P	P	18 55 15.8 +1.5
M18K	Stony River baz=268	37.63	41	P	P	18 55 14.8 +0.4
E19K	Redstone River baz=259,SNR=8.3	37.68	31	P	P	18 55 15.3 +0.6
E19K	Redstone River baz=259,SNR=8.3	37.68	31	P	P	18 55 15.4 +0.7
H19K	Roundabout Mou baz=262	37.68	35	P	P	18 55 15.4 +0.7
H19K	Roundabout Mou baz=262	37.68	35	P	P	18 55 15.8 +1.1
J19K	Poorman comp=Z,12nm,1.2s	37.87	37	P	IAmb	18 55 16.6 +0.3 18 55 18.4
J19K	Poorman baz=265	37.87	37	P	P	18 55 16.9 +0.5
O18K	Koktuh Hills baz=271	37.93	44	P	P	18 55 18.2 +1.3
F20K	Etiyuk River baz=259	38.16	29	P	P	18 55 19.0 +0.2
D20K	Avaraart Lake comp=Z,3.9nm,0.6s	38.19	32	P	IAmb	18 55 19.4 +0.4 18 55 19.7
F20K	Avaraart Lake baz=260	38.19	32	P	P	18 55 18.9 0.0
E20K	Nigu River baz=259	38.22	30	P	P	18 55 19.5 +0.1
B20K	Meade River comp=Z,13nm,1.4s	38.26	27	P	IAmb	18 55 19.3 -0.2 18 55 46.4
B20K	Meade River baz=256	38.26	27	P	P	18 55 19.6 +0.1
N19K	Bonanza Creek baz=270	38.28	42	P	P	18 55 20.6 +0.7
H20K	Anotleneega Mo baz=264	38.33	35	P	P	18 55 21.1 +0.9
J20K	Nowinta River comp=Z,4.0nm,0.8s	38.53	37	P	IAmb	18 55 20.7 -1.2 18 55 23.2
J20K	Nowinta River baz=266	38.53	37	P	P	18 55 22.6 +0.7
IMAR	Indian Mountai C21K	38.84	34	P	P	18 55 24.9 +0.5 18 55 25.3 +0.5
G21K	Allakaket baz=264	38.99	33	P	P	18 55 26.6 +0.8
G21K	Allakaket baz=264	38.99	33	P	P	18 55 26.8 +1.0
B21K	Ikpkpuk River baz=259	39.04	28	P	P	18 55 26.3 +0.2
B21K	Ikpkpuk River baz=259	39.04	28	P	P	18 55 26.4 +0.4
E21K	Killik River baz=261	39.06	30	P	P	18 55 26.7 +0.3
F21K	Alatna River comp=Z,6.2nm,0.8s	39.08	32	P	IAmb	18 55 26.8 +0.3 18 55 28.5
F21K	Alatna River baz=263	39.08	32	P	P	18 55 27.5 +1.0
OHAK	Old Harbor baz=276	39.09	48	P	P	18 55 29.0 +2.4
OHAK	Old Harbor baz=276	39.09	48	P	P	18 55 29.0 +2.4
H21K	Melozitna Rive comp=Z,7.8nm,0.9s	39.20	35	P	IAmb	18 55 29.2 18 55 28.4 +0.9
H21K	Melozitna Rive baz=266	39.20	35	P	P	18 55 27.1 -0.3
A22K	Sinclair Lake baz=257	39.21	26	P	P	18 55 29.1 -0.2
KDAK	Kodiak Island comp=Z,5.5nm,1.5s	39.41	47	P	P	18 55 29.1 -0.2 18 55 29.3 0.0
KDAK	Kodiak Island baz=276	39.41	47	P	P	18 55 29.3 0.0
CAST	Castle Rocks baz=269	39.42	38	P	P	18 55 29.8 +0.5
CAST	Castle Rocks baz=269	39.42	38	P	P	18 55 30.3 +1.0

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B22K	Teshekpuk Lake comp=Z,6.7nm,0.7s	39.58	27	P	IAmb	18 55 30.3 -0.2 18 55 30.8
B22K	Teshekpuk Lake baz=264	39.58	27	P	P	18 55 29.6 -0.9
D22K	Aiyikyak River baz=262	39.60	30	P	P	18 55 31.1 +0.4
D22K	Aiyikyak River baz=262	39.60	30	P	P	18 55 31.2 +0.4
F22K	John River comp=Z,7.7nm,1.1s	39.62	32	P	P	18 55 31.7 +0.8 18 55 33.3 +0.8
H22K	Ishlitalina Cre baz=267,SNR=5.6	39.61	34	P	P	18 55 33.0 +0.3
E22K	Anaktuvuk Pass baz=264,SNR=8.6	39.82	31	P	P	18 55 33.2 +0.6
E22K	Anaktuvuk Pass baz=264,SNR=8.6	39.82	31	P	P	18 55 33.1 +0.5
G22K	Bettles baz=266	39.82	33	P	P	18 55 34.1 +0.6
BPAW	Bear Paw Mtn. comp=Z,7.7nm,1.1s	39.91	37	P	P	18 55 34.3 +0.6 18 55 38.6
KTH	Kantishna Hill comp=Z,7.7nm,1.1s	39.94	38	P	IAmb	18 55 35.4 +0.9 18 55 35.2 +0.8
KTH	Kantishna Hill baz=264	39.94	38	P	P	18 55 36.5 +1.6 18 55 55.4
MLY	Manley baz=269	40.04	36	P	P	18 55 36.5 +1.6 18 55 55.4
SUA	Susitna One comp=Z,14nm,1.3s	40.07	41	P	IAmb	18 55 37.4 -0.2
SUA	Susitna One baz=273	40.07	41	P	P	18 55 36.0 +0.8
BRLK	Bradley Lake baz=273	40.11	44	P	P	18 55 37.5 +0.8
D23K	Nanushuk River comp=Z,9.7nm,0.9s	40.30	30	P	P	18 55 37.4 +0.3 18 55 39.1
COLD	Coldfoot baz=266,SNR=8.1	40.35	32	P	P	18 55 37.9 +0.5 18 55 39.1
G23K	Bananza Creek baz=267	40.40	33	P	P	18 55 37.7 +0.3
G23K	Bananza Creek baz=267	40.40	33	P	P	18 55 37.9 +0.2 18 55 38.7
C23K	Ikkillik River comp=Z,10nm,0.8s	40.45	28	P	IAmb	18 55 37.7 0.0 18 55 39.9 +0.7
C23K	Ikkillik River baz=263	40.45	28	P	P	18 55 39.5 +0.3
I23K	Minto, Yukon-K comp=Z,4.5nm,0.7s	40.62	36	P	P	18 55 40.0 +0.1 18 55 40.8
I23K	Minto, Yukon-K baz=270	40.62	36	P	P	18 55 40.3 +0.5
E23K	Chindalar baz=266,SNR=7.5	40.63	31	P	P	18 55 40.0 +0.1 18 55 40.8
TOLK	Toolik Lake Re comp=Z,4.5nm,0.7s	40.70	30	P	IAmb	18 55 40.3 +0.5 18 55 45.1
TOLK	Toolik Lake Re baz=265	40.70	30	P	P	18 55 41.1 +0.9 18 55 45.1
NEA2	Nenana comp=Z,4.7nm,0.6s	40.75	36	P	IAmb	18 55 41.1 +0.9 18 55 45.1
NEA2	Nenana baz=271	40.75	36	P	P	18 55 42.8 +0.5 18 55 42.7 +0.3
D24K	Happy Valley comp=Z,10.0nm,0.8s	41.01	29	P	P	18 55 42.7 +0.3
D24K	Happy Valley baz=266,SNR=8.5	41.01	29	P	P	18 55 43.7 +0.8
E24K	Your Creek baz=267	41.06	31	P	P	18 55 43.4 +0.3
C24K	Franklin Bluff baz=265	41.10	29	P	P	18 55 43.7 +0.5 18 55 43.1 -0.7
MDM	Murphy Dome comp=Z,0.9nm,0.3s	41.10	36	P	P	18 55 44.1 +0.3 18 55 45.3 +0.9
MDM	Murphy Dome baz=270	41.10	36	P	P	18 55 45.0 +0.6 18 55 46.2
WRH	Wood River Hill comp=Z,0.9nm,0.3s	41.17	37	P	P	18 55 45.4 +0.3 18 55 45.3 +0.9
H24K	Noodor Dome comp=Z,0.9nm,0.3s	41.24	34	P	P	18 55 45.0 +0.6 18 55 45.2
H24K	Noodor Dome baz=270	41.24	34	P	P	18 55 45.0 +0.5 18 55 46.2
F24K	Squaw Lake comp=Z,5.2nm,0.7s	41.26	32	P	IAmb	18 55 45.6 +1.1 18 55 47.8
F24K	Squaw Lake baz=268	41.26	32	P	P	18 55 46.5 +0.8 18 55 47.8
G24K	Hadweencic Riv comp=Z,10nm,0.7s	41.41	33	P	IAmb	18 55 47.2 +1.5 18 55 47.1 +1.1
G24K	Hadweencic Riv baz=271	41.41	33	P	P	18 55 47.1 +1.1
WAT6	Susitna Watana baz=274	41.42	39	P	P	18 55 47.5 +0.4 18 55 46.8 -0.3
POKR	Poker Plat Res comp=Z,10.0nm,0.8s	41.44	36	P	IAmb	18 55 47.1 +1.2 18 55 47.8
POKR	Poker Plat Res baz=271	41.44	36	P	P	18 55 47.5 +0.4 18 55 46.8 -0.3
DHY	Denali Highway baz=274	41.55	39	P	P	18 55 47.8 0.0
DHY	Denali Highway baz=274	41.55	39	P	P	18 55 48.2 +0.3 18 55 47.9 0.0
HDA	Harding Lake comp=Z,2.0nm,0.9s	41.67	37	P	P	18 55 47.9 0.0
IL31	Eielson Array comp=Z,1.3nm,0.7s	41.68	36	eP	pmax	18 55 49.3 -0.3 18 55 50.4
IL31	Eielson Array baz=271	41.68	36	eP	pmax	18 55 49.9 +0.2 18 55 50.6 +0.5
D25K	Kavik River comp=Z,7.1nm,0.8s	41.89	29	P	IAmb	18 55 52.7 +1.6 18 55 53.0 +1.4
D25K	Kavik River baz=268	41.89	29</			

30d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BOZ, KVN, NVAR, ASAR, H17A, RLMT, MOOW, POKM, DGMT, CWC, GRAC, R11B, MPMC, FURC, NB2, NB2, NOA, NOA, NOA, DUG, TPNV, HFS, KBZ, KBZ, BW06, PDAR, TUQ, RDMU, GMRC, AKASG, AKASG, RSSD, O20A, AGMN, N23A, ISCO, S22A, CLL, CLL, CLL, CLL, EKA, TX32, TXAR, DRIO, DRIO, H03N2, H03N3, H03N1, TROLL, VNA2, BJJ, IDC, NEIC, GCMT, TROLL, VNA2, DJA, ISC, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC.

2017 NOV

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like I39PW, SNI, SNI, NLAI, TTSI, MTKI, KAPI, KAPI, SBUM, BKSI, BBKI, MMRI, MMRI, MMRI, EDFI, SMPJ, SOEI, SOEI, BATI, BATI, BATI, PLA1, PLA1, TWSI, QIZ, QIZ, QIZ, QIZ, QIZ, QIZ, JOW, JOW, JAGI, JAGI, JAGI, GUMO, GUMO, MTN, MTN, KNRA, KNRA, LHSI, LHSI, JCU, JCU, JNU, JNU, PHRA, PHRA, ENH, ENH, CRAI, CRAI, CM31, CM31, CMAR, CMAR, CMAR, CHTO, CHTO, HJU, HJU, WB0, WB0, WRAB, WRAB, WRAB, WRA, WRA, WRA, PZH, PZH, PZH, WRO, WRO, PSA00, PSA00, PSA00, PSA00, XAN, XAN, XAN, XAN, XAN, XAN, TNCH, TNCH, TNCH, MJAR, MJAR, MJAR, AS31, AS31, ASAR, ASAR, LZH, LZH, LZH, LZH, LZH, LZH, CTA, CTA, USRK, USRK, USRK, FORST, FORST, HNR, HNR, GTA, GTA, GTA, GTA, GTA, ARCS.

2062

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ASAJ, ASAJ, NWA0, NWA0, RAMM, RAMM, BBOO, BBOO, JIRN, JIRN, KLR, KLR, GUN, GUN, PKI, PKI, PKIN, PKIN, STKA, STKA, STKA, ULN, ULN, SONM, SONM, SONM, SONM, PALK, PALK, DANN, DANN, WMQ, WMQ, WMQ, WMQ, DZM, DZM, DZM, MK31, MK31, MKAR, MKAR, MKAR, MAKZ, MAKZ, MAKZ, TARG, TARG, TARG, KSH, KSH, KSH, NIL, NIL, NIL, YAK, YAK, YAK, YAK, YAK, AAK, AAK, AAK, ZAA0, ZAA0, ZAA0, ZALV, ZALV, ZALV, ZALV, ARSB, ARSB, KURBB, KURBB, KURBB, KURK, KURK, BTK, BTK, BTK, BEY, BEY, BEY, KK31, KK31, KK31, KKAR, KKAR, KKAR, SHEM, SHEM, SHEM, BVAR, BVAR, BVAR, BRVK, BRVK, HRA, HRA, TIXI, TIXI, TIXI, TIXI, LBZ, LBZ, LBZ, ABKAR, ABKAR, AKTO, AKTO, ARU, ARU, ARU, ARU, KIRV, KIRV, RAR, RAR, RAR, KDAA, KDAA, GURD, GURD, GURD, KLMR, KLMR, KLMR, ILAR, ILAR, ILAR, D25K, D25K, D25K, BMAR, BMAR, E27K, E27K, D27M, D27M, D27M, B2CAR, B2CAR, E28M, E28M, F28M, F28M, CTGM, CTGM, I28M, I28M, H28M, H28M, G29M, G29M, ARCS, ARCS.

2063

Table with columns: BRTR, Station Name, Time, Res, Phase ID, Op, h, m, s, ISC. Includes stations like Keskin Array B, Somme Creek, Spitsbergen Ar, etc.

IDD 30 19:01:27.7±0.7, 16.925S;69.57W, h172km,5km, mb4.0/17, mbmt4.5/21, MS3.6/1, Error ellipse: s-maj=11.4km s-min=8.9km az=64.0

NEIC 30 19:01:28.4±1.7, 16.955S;0.06:69.54W±0.08, h182km,6km, mb4.6/92, Error ellipse: s-maj=12.0km s-min=9.1km az=106.0

VAO 30 19:01:29.2±0.5, 16.945S;69.37W, h173km, mb4.5

ISC 30 19:01:27.1±0.4, 16.935S;0.05:69.60W±0.06, h173km, n235, o1s12/234, mb4.5/48, 7C-5D, Peru-Bolivia border region

Main station list table for 2063 with columns: Code, Station Name, Az, Az', Phase ID, Op, h, m, s, ISC. Includes stations like Visviri, IPOC Station P, LPAZ, etc.

2017 NOV

Main station list table for 2017 NOV with columns: Station Name, Time, Res, Phase ID, Op, h, m, s, ISC. Includes stations like Novo Progresso, Cochancay, Itaqui, etc.

30d 19h

Main station list table for 30d 19h with columns: Station Name, Time, Res, Phase ID, Op, h, m, s, ISC. Includes stations like Belgrade, Organ Pipe Nat, Great Sand Dun, etc.

IDD 30 19:03:31.0±0.2, 6.980S;112.51E, h0km, mb3.6/5, mbmt3.6/5, Error ellipse: s-maj=125.9km s-min=22.8km az=50.0, South of Jawa

Small table for station WRA with columns: Code, Station Name, Az, Az', Phase ID, Op, h, m, s, ISC.

30d 19h

0.5nm,0.5s
ZALV Zalesovo Beam 67.70 343 P P 19 14 29.7 -0.3
0.6nm,0.4s,baz=149,slow=4.5,SNR=3.3
0.6nm,0.4s

IDC 30 19:03:42.9:13.0,0.51N-25.58W,h0km,mb3.8,
mbtmp3.9/3,MS3.5/4,Error ellipse: s-maj=64.4,0km
s-min=31.6km az=177.0,Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include RCBR Riachuelo, H10N3 ASCENSION HYDRI3.82 127 T, H10N2 ASCENSION HYDRI3.82 127 T, etc.

NEIC 30 19:11:57.6:1.5, 12.08N,0.06:56.2W,0.1,h10km,2km,
mb4.4/1, Error ellipse: s-maj=23.0km s-min=3.2km
az=64.0

IDC 30 19:11:57.8:0.8,12.11N,0.06:56.32W,0.07,h10km,n61,
#533/63,mb4.0/4,MS3.4/4,North Atlantic Ocean

TRN 30 19:12:03.4, 12.22N,56.50W,h137km,MD5.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BBGH Gun Hill, BBGH Gun Hill, SSV Crater Summit, SSV Crater Summit, SLBI Saint Lucia, B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MDP 6.9nm,0.3s,baz=243,slow=20,SNR=19, MDP comp=Z,200nm,19.0s,baz=342,slow=41, etc.

NEIC 30 19:17:06.2:1.4,35.35N,0.01:98.083W,0.009,h5km,1km,
Error ellipse: s-maj=2.9km s-min=2.5km az=191.0
TUL 30 19:17:07.7:1.4,35.38N,0.02:98.11W,0.02,h7km,4km,
ML2.6,mb_Lg2.5/27(NEIC),ML2.7/32(NEIC),Error
ellipse: s-maj=2.3km s-min=1.7km az=185.0,Okhotsk

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CSTR Hydro, Custer, CSTR OKLAHOMA CITY, OKCSW comp=E,321nm,0.1s, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include OK029 comp=N,190nm,0.5s, WMOK Wichita Mounta, W35A Tecumseh, W35A comp=N,130nm,0.3s, etc.

MEX 30 19:36:53.2:1.1,15.14N,93.53W,h57km,26km,MD3.9,
Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PCIG 0.64 28 i P, PCIG 0.64 28 i P, CARR Arriaga, PATR El Naranjo, etc.

TAP 30 19:37:26.2,23.46N,120.71E,h5km,ML1.9,1C-3D,C,
Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WCKO Fanlu, WCKO Fanlu, ALS Alishan, ALS Alishan, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TPUB Ta-pu, TPUB Ta-pu, WTP Ta-pu, WTP Ta-pu, WTK Gukeng, etc.

TAP 30 19:37:37.4,23.46N,120.72E,h4km,ML2.0,1C,C,
Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ALS Alishan, ALS Alishan, WCKO Fanlu, WCKO Fanlu, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like WDLH, TWK, STYH, etc.

ADC 30 19:49:10.1.2.2.3.85S.130.39E, h0km, mb4.1/3, mbtmt3.8/5, ML3.5/2, Error ellipse: s-maj=166.8km s-min=25.5km az=71.0, Seram

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like WRA, ASAR, MKAR, etc.

NEIC 30 20:15:33.8.2.1.43.58N.0.04.105.30W.0.06, h0km,2km, ML3.1/78, Error ellipse: s-maj=9.3km s-min=3.8km az=133.0

ADC 30 20:15:35.0.3.0.43.30N.105.38W, h0km, mbtmt3.5/2, ML3.2/2, Error ellipse: s-maj=65.8km s-min=10.4km az=155.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like WRA, ASAR, MKAR, etc.

NEIC 30 20:15:32.9.0.9.43.50N.0.06.105.43W.0.04, h0km, n28, r155.0/15, Wyoming

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like K22A, RSSD, PDAR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like YFT, TPWA, TPWA, etc.

ADC 30 20:34:30.9.1.9.21.24S.176.30W, h0km, mb4.1/5, mbtmt4.1/5, Error ellipse: s-maj=139.5km s-min=26.8km az=157.0

NEIC 30 20:34:33.6.1.5.21.8S.0.2.176.28W.0.07, h10km, 1km, mb4.5/16, Error ellipse: s-maj=28.0km s-min=6.3km az=139.0

ADC 30 20:34:32.8.0.7.21.7S.0.1.176.30W.0.1, h10km, n39, r136.3/31, mb4.4/11, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like NIUE, NIUE, AF, etc.

ADC 30 20:34:32.8.0.7.21.7S.0.1.176.30W.0.1, h10km, n39, r136.3/31, mb4.4/11, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like STKA, STKA, BBOO, etc.

ADC 30 20:34:32.8.0.7.21.7S.0.1.176.30W.0.1, h10km, n39, r136.3/31, mb4.4/11, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like WRO, WRO, WB0, etc.

ADC 30 20:34:32.8.0.7.21.7S.0.1.176.30W.0.1, h10km, n39, r136.3/31, mb4.4/11, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like AKASG, AKASG, AKIB, etc.

ADC 30 20:36:30.0.22.0.45.61N.147.67E, h0km, mb3.7/7, mbtmt3.7/7, Error ellipse: s-maj=489.0km s-min=50.7km az=153.0

SKHL 30 20:36:44.6.0.3.43.90N.148.60E, h50km, 3km, mb4.2/2 JMA 30 20:36:45.8.0.5.45.1N.2.14.8E, h157km, MV3.6/27, NEAR ETOROFU ISLAND

ADC 30 20:36:43.2.1.6.44.53N.0.1.147.38E.0.2, h166km, 8km, n29, r152.3/31, mb3.4/7, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like KUR, KUR, KUR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like JOB, JOB, JKK2, etc.

ADC 30 20:46:01.4.1.1.15.23N.94.34W, h17km, 16km, MD4.0, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like CARR, CARR, PCIG, etc.

ADC 30 20:51:22.7.41.01N.142.92E, h16km, MW3.8, Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm, M=2.54, Mw=1.39, Mw=1.14, Mw=0.67, Mw=2.59, Mw=3.50, Fault plane solution: M=4.92000e+10^14 Np, 19.00000e, d72.00000e, A64.00000e, NP2=257.00000e, s32.00000e, A143.00000e

JMA 30 20:51:22.7.41.01N.0.4.142.92E.0.6, h16km, 3km, MV3.9/39, E OFF AOMORI PREF

NEIC 30 20:51:23.9.2.0.41.0N.0.05.143.1E.0.1, h45km, 9km, mb4.1/10, Error ellipse: s-maj=13.4km s-min=4.6km az=118.0

ADC 30 20:51:24.9.1.1.41.07N.143.10E, h44km, 7km, mb3.8/10, mbtmt3.9/14, ML3.3/4, MS3.0/8, Error ellipse: s-maj=23.9km s-min=11.0km az=39.0

ADC 30 20:51:24.5.0.7.41.00N.0.04.143.04E.0.05, h45km, 7km, n67, r131.7/5, mb4.1/14, MS3.5/4, 3D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like ERM, ERM, JEM, etc.

ADC 30 20:51:24.5.0.7.41.00N.0.04.143.04E.0.05, h45km, 7km, n67, r131.7/5, mb4.1/14, MS3.5/4, 3D, Off east coast of Honshu

ADC 30 20:51:24.5.0.7.41.00N.0.04.143.04E.0.05, h45km, 7km, n67, r131.7/5, mb4.1/14, MS3.5/4, 3D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like AKASG, AKASG, AKIB, etc.

ADC 30 20:51:24.5.0.7.41.00N.0.04.143.04E.0.05, h45km, 7km, n67, r131.7/5, mb4.1/14, MS3.5/4, 3D, Off east coast of Honshu

ADC 30 20:51:24.5.0.7.41.00N.0.04.143.04E.0.05, h45km, 7km, n67, r131.7/5, mb4.1/14, MS3.5/4, 3D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details. Includes stations like JMM, JMM, MAJO, etc.

30d 20h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like H11N3 WAKE ISLAND, H11S1 WAKE ISLAND, H11S3 WAKE ISLAND, etc.

AEIC 30 20:56:10.8±1.9, 60.08N±0.02±147.12W±0.05, h9km±5km, ML3.4, ML3.6/192(NEIC), Error ellipse: s-maj=3.7km s-min=2.6km az=77.0

NEIC 30 20:56:10.8±2.0, 60.10N±0.03±147.13W±0.05, h17km±7km, Error ellipse: s-maj=4.4km s-min=3.3km az=211.0

IDC 30 20:56:13.3±1.9, 59.75N±147.11W, h51km±19km, mb3.1/3, mbmp=3.4/7, ML3±4.3, Error ellipse: s-maj=26.4km s-min=11.8km az=129.0

ISC 30 20:56:10.5±0.9, 60.10N±0.03±147.15W±0.03, h17km±6km, n232, c099232, mb3.6/3, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like P23K Montague Island, H23K Hinchinbrook I, H1N Hinchinbrook I, etc.

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Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PMR Palmer, PML Palmer, SML Samwell, FIS Fire Island, etc.

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Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like P18K Big Mountain, SCRK Sand Creek, BWN Browne, etc.

Table with columns: SIT, Station Name, Az, El, Pn, Pn, Time, Res. Includes stations like S1T, H19K, N32M, etc.

BER 30 21:03:37.3, 1.6, 66:40N, 147:8E, h0km, ML1.6, Explosion
IDC 30 21:03:39.7, 1.4, 66:37N, 15:26E, h0km, mbmp3.0/0.4,
ML1.8/4, Error ellipse: s-maj=15.8km, s-min=8.2km
az=176.0

ISC 30 21:03:35.0, 0.9, 66:37N, 0:03, 14:86E, 0:05, h0km, n10,
<1570/19, Northern Norway

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MOR8, KONS, STOK, etc.

JMA 30 21:10:39.0, 0.3, 44°N, 147°E, h25km, MV3.6/25, E
OFF HOKKAIDO

SKHL 30 21:10:40.4, 0.2, 43:80N, 147:30E, h43km, 3km, mb4.6/3
ISC 30 21:10:38.5, 2.0, 43:71N, 0:08, 147:45E, 0:09, h35km, n15,
<1501/29, Kuril Islands

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like YSS, ATH 30 21:11:30.8, etc.

ATH 30 21:11:45.2, 38:30N, 22:06E, h12km, 2km, ML1.7/4,
Manual Solution by N.Liadopoulos This location:
2019/12/22 07:07:53 ML Amplitudes are expressed in
micrometers, All distances are expressed in degrees
Latitude uncertainty: 0 km; Longitude uncertainty: 1
km, Greece

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

IDC 30 21:18:39.2, 1.7, 10:14S, 152:55E, h0km, mb3.8/7,
mbmp3.8/9, ML1.2/1, MS3.1/2, Error ellipse:
s-maj=51.1km, s-min=24.4km, az=124.0

ISC 30 21:18:43.6, 1.1, 10:35S, 0:11, 152:6E, 0:11, h35km, n20,
<1568/11, mb4.0/6, MS3.1/9, D'Entrecasteaux Islands
region

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

ASAR Ice Springs 22.25 231 P P 21 23 38.8 +1.1

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

IDC 30 21:24:07.7, 1.6, 71:48N, 132:43E, h0km, mb3.6/6,
mbmp3.6/6, Error ellipse: s-maj=37.6km, s-min=16.3km
az=17.0
YARS 30 21:24:12.4, 71:20N, 131:71E, h21km
ISC 30 21:24:10.2, 0.8, 71:27N, 0:06, 131:95E, 0:05, h10km, n11,
<1581/22, mb3.4/6, Near north coast of eastern Siberia

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

IDC 30 21:47:28.8, 0.5, 39:18N, 75:49W, h0km, mb4.2/24,
mbmp4.3/26, ML4.5/2, MS3.5/15, Error ellipse:
s-maj=12.6km, s-min=8.6km, az=151.0

ANF 30 21:47:28.4, 0.6, 39:17N, 75:40W, h2km, 4km, ML5.2/25,
Error ellipse: s-maj=4.2km, s-min=2.1km, az=125.0

NEIC 30 21:47:29.4, 2.4, 39:21N, 0:02, 75:46W, 0:04, h3km, 4km,
Error ellipse: s-maj=4.5km, s-min=2.2km, az=89.0, Moment
Tensor Solution, Moment tensor: Scale 10^15Nm,
Mrr=12, Mtt=0.29, Mtt=0.82, Mtr=0.75, Mtr=1.54, Mtr=0.35;
Fault plane solution: M2 03000/1015 NP2:
phi=354.53000; delta=5.07000; lambda=145.64000; NP2:
phi=105.91000; delta=2.44000; lambda=23000; Principal axes: T
1.8913, Plg47.0000; Azm323.0000; N 0.2520,
Plg43.0000; Azm135.0000; P -2.1433, Plg4.0000;
Azm229.0000;

NEIC 30 21:47:31.2, 2.6, 39:20N, 0:02, 75:43W, 0:04, h10km, 4km,
LDO 30 21:47:31.2, 2.6, 39:20N, 0:02, 75:43W, 0:04, h10km, 4km,
ML4.4/14, mb4.5/22(NEIC), mb_Lg4.6/16(NEIC),
ML4.6(NEIC), Mw4.1/100(NEIC), Error ellipse:
s-maj=4.6km, s-min=2.3km, az=88.0

ISC 30 21:47:29.0, 1.1, 39:18N, 0:02, 75:44W, 0:02, h4km, 7km,
n904, <1526/1017, mb4.5/100, MS3.4/13, Chesapeake Bay
region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like GEDE, P60A, etc.

IDC 30 21:48:14.8, 0.2, 48:14N, 147:30E, h43km, 3km, mb4.6/3
ISC 30 21:10:38.5, 2.0, 43:71N, 0:08, 147:45E, 0:09, h35km, n15,
<1501/29, Kuril Islands

2069

Table with columns: Call Sign, Frequency, Power, Mode, Name, and other details. Includes stations like I63A Otisfield, Q51A Peebles, KMSC Kings Mountain, SADO Sadowa, H62A Milan, Y58A Scranton, K50A Casco, S51A Beattyville, PAULI Pauline, JSC Jenkinsville, V53A Saluda, WVL Waterville, N49A Columbus Grove, O49A Covington, TZTN Tazewell, AAM Ann Arbor, R50A Paris, G62A West of Eustis, TRQ Mont Tremblant, P49A Miami Univ. Ec, V52A Sevierville, H49A Point Hope, L48A N Adams, TKL Tuckaleechee C, PKME Peaks-Kenny Pk, HAW Hawthorne Fire, R49A Shelbyville, T50A Nancy, P48A Milroy.

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Table with columns: Call Sign, Frequency, Power, Mode, Name, and other details. Includes stations like F62A Pittsford Farm, V51A Loudon, W52A Murphy, F63A Nahmakanta, N47A Urbana, EMMW East Machias, CPCT Cooper Cave, J47A Summer, G65A Princeton, F64A Sherman, 257A Skidaway Islan, WCI Wyandotte Cave, U49A Red Boiling Sp, E62A Clayton Lake, GOGA Godfrey, GOGA Godfrey, GOGA Saint George, Y52A Libburn, W50A Signal Mount, X51A Calhoun, GLMI Grayling, 154A Montrose, VLDO Val d'Or, SFIN Lafayette, P46A Rosedale, LMQ La Malbaie, D62A Allapoint, CLTN Cedars of Lebanon, P46A Presque Isle, SWET Sewanee, LDQA Lac Daran, FPAL Fort Paine, USIN University of, E46A Sault Ste Mari, H01L Hanson Quarry C, M44A Midewin, L44A Lake County Fo, 152A Waverly Hill, 456A Hilliard, O44A Mansfield, TIGA Trifon, WVT Waverly, LMN Caledonia Moun, Y49A Blount Mountai, K43A Burlington, X48A Hartselle, Q44A Meyer Farm, H43A Windswept, T45A Paducah, HDIL Hopedale, SIUC Southern Illin, P43A Skaggs, Pawnee, PLAL Plackwick Lake, S44A Carbondale, UTM University of, BBSR BB Station.

30d 21h

Table with columns: Call Sign, Frequency, Power, Mode, Name, and other details. Includes stations like E43A Lone Tree Farm, I42A Draeger Farm, LRLAL Lakeview Retre, LRLAL Lakeview Retre, LRLAL Lakeview Retre, L42A Olney, CGMS Cape Girardeau, GLAT Glass, 250A Gary, F42A Maple Grove Fa, HALT Halls, JFWFS Jewell Farm, LNXT Lenox, PARMO Parma, PVMO Portageville, 553A Crawfordville, JFWFS Jewell Farm, FVM French Village, FVM French Village, Z47A Carrollton, N41A Harden Midland, GNAR Gosnell, 451A Vernon, PBMO Poplar Bluff, OXF Oxford, OXF Oxford, I40A Norwalk, L40A Anamosa, P41A Oliver, BRAL Brewton, CCM Cathedral Cave, CCM Cathedral Cave, G40A Rib Lake, Y45A Yeager Farm, Y45A Yeager Farm, HBAR Harrisburg, P38A Union, L40A Linn, P40A Paris, P40A Paris, R40A Maddies Statio, R40A Mountain Grove, MGMO Mountain Grove, K38A Parkersburg, FCAR Carver Cen, N38A Joes South For, N38A Joes South For, SCIA State Center, WHAR Woolly Hollow, P38A Dawn, P38A Dawn, S39A Bolivar, S39A Bolivar, SPMN Marine on St., SPMN Marine on St., UALR University of, I37A Leonard, Waseca, EYMN Ely, EYMN Ely, X40A Basin Creek Fa, F36A Milaca, HHAR Hobbs, Z41A Richland Creek, U38A Gravette, MIAR Mount Ida, MIAR Mount Ida, MIAR Mount Ida, WLAR White Oak Lake, N35A Rose Lookout, RLO Rose Lookout, RLO Rose Lookout, B35A Bob, Littlefor, L34A Svendsen, KSU1 Kansas State U, KSU1 Kansas State U, TUL3 Leonard, TUL3 Leonard, ECSD EROS Data Cent, ECSD EROS Data Cent, ECSD EROS Data Cent, X37A Shawnee Station, SCHO Schofferville, SCHO Schofferville, SCHO Schofferville, SCHO Schofferville, N33A Jarr K, Exete, DEOK Depeve, QUOK Quay, QUOK Quay, OK051 E0350 and S346, OK048 Pawnee Station, OK052 Battle Ridge R, AGMN Agassiz Nation, AGMN Agassiz Nation, AGMN Agassiz Nation, AGMN Agassiz Nation, NATX Nacogdoches, NATX Nacogdoches, NATX Nacogdoches, NATX Nacogdoches, OK033 Mehan, OK033 Mehan, BLOK Blackwell, BGNE Belgrade, BGNE Belgrade, KAN13 South Haven SW, KAN13 South Haven SW, W35A Tecumseh, W35A Tecumseh, KAN09 Caldwell North, KAN09 Caldwell North, KAN01 Argonia South, KAN01 Argonia South, KAN10 Caldwell West S, KAN10 Caldwell West S, KAN05 Bluff City Nor, KAN05 Bluff City Nor.

30d 21h

Table with columns for station ID, name, frequency, and other details. Includes stations like ADOC Arcadia Dam, KAN08 Anthony NE Sta, KAN12 Harper NE Stat, etc.

2017 NOV

Table with columns for station ID, name, frequency, and other details. Includes stations like 833A Chaparral WMA, DGMT Dagmar, HBVL Hebronville, etc.

2070

Table with columns for station ID, name, frequency, and other details. Includes stations like PV19 Morning Glory, PV14 Lion Creek, PV10 Paradox Valley, etc.

2071

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like NV11, F07A, YKA, etc.

2017 NOV

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like K27K, J26L, SCRC, etc.

30d 21h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like M17K, Q17K, O17K, etc.

BGR 30 21:48:04.3, 7.58S:27.49E, h11km, mb4.6
LSZ 30 21:48:31.6i, 0.8, 5.24S:24.37E, h26km
MOS 30 21:48:33.1i, 0.9, 2.65S:28.75E, h11km, mb5.1/62, Error ellipse: s-maj=1.02km s-min=4.6km az=79.7

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DODT, DODT, KSMZ, etc.

30d 22h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GOMU GeErMu, DIAM Diamantina, ROSB Rosier, ZALV Zalesovo, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SDCO Great Sand Dun, SDCO Great Sand Dun, SDCO Great Sand Dun, etc.

2074

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KGS1 Ghar-e-Shirin, KGS1 Dehrash, KGS1 Ghaleghazi, etc.

ISC 30 22:17:26.9: 1.7, 38.52N; 105.57W, h0km, mb3.3/1, mbtmp2.9/4, ML3.2/3, MS3.7/1, Error ellipse: s-maj=50.5km s-min=10.0km az=70.0

TEH 30 22:29:14.9, 35.00N; 45.79E, h6km, 46km, ML3.9 ISN 30 22:29:14.6: 0.5, 35.07N; 45.62E, h5km, 49km, ML3.7

EKA 30 22:29:17.8: 2.4, 35.47N; 45.76E, h0km, mb4.0/5, mbtmp3.7/8, ML3.3/2, Error ellipse: s-maj=65.0km s-min=17.0km az=170.0

NEIC 30 22:35:10.4s, 1.19, 56N, 0.04, 156.07W, 0.04, h35km, 2km, Error ellipse: s-maj=8.0km s-min=4.1km az=226.0

ellipse: s-maj=18.5km s-min=6.7km az=42.0 OMAN 30 22:45:49.9, 0.4, 27.55N, 52.94E, h25km, mb3.2/3, ml3.0/9, Error ellipse: s-maj=10.7km s-min=4.3km az=9.0

comp=N,201nm,0.2s IPOC Station P 2.47 280 eP Pn S 23 10 04.4 +0.7

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations like Kailua Kona, Kahalu'u, Captain Cook, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations like LMD1, QIR1, JHRM, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations like IPOC Station P, IPOC Station P, IPOC Station P, etc.

IDC 30 22:40:10.1s, 1.5, 13.38N, 125.96E, h0km, mb3.8/8, mbmp3.8/8, MS2.8/3, Error ellipse: s-maj=171.0km s-min=16.1km az=67.0

IDC 30 23:03:47.8s, 50.0, 17.97S, 173.47W, h0km, mb3.9/3, mbmp3.9/3, Error ellipse: s-maj=948.3km s-min=176.1km az=91.0

NEIC 30 23:03:51.4s, 2.5, 17.98S, 0.1, 173.39W, 0.09, h35km, 2km, mb4.5/1.1, Error ellipse: s-maj=25.7km s-min=6.3km az=326.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations like Davao City, Chiang Mai, Warrunganga Arr, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations like AFI, FUNA, DZM, etc.

NEIC 30 23:09:40.9s, 1.4, 57.98S, 0.10x25.4W, 0.2, h35km, 2km, mb4.9/60, Error ellipse: s-maj=19.4km s-min=13.7km az=225.0

TEH 30 22:45:44.3, 27.49N, 52.44E, h20km, 18km, ML3.2 DSN 30 22:45:47.5, 0.8, 27.22N, 52.55E, h15km, ML2.5/7, Error

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations like BBO, WBO, WBR, etc.

GCMT 30 23:09:42.9, 0.4, 58.15S, 0.03x24.85W, 0.04, h38km, 1km, MM5.0/62, Moment Tensor Solution, s49, c63, s62, c73; Duration: 0. Moment tensor: Scale 1016Nm; Mw: 7.078; Ms: 0.58t, 1.4; Mb: 0.32t, 1.1; Mn: 0.21t, 1.7; Mo: 0.82t, 1.1; Mw: 1.32t, 1.2. Best double couple: Mo: 3.36600e+10 Np1: 0.35900000, 857.000000, 1.103.000000. Np2: 0.156.000000, 835.000000, 7.71.000000. Principal axes: T 3.0370, Plg7.4.0000, Azm305.0000; N 0.6590, Plig11.0000, Azm172.0000; P -3.6940, Plig11.0000, Azm80.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations like HOPE, VNAT, VNA1, etc.

comp=Z,7.5nm,1.4s						
NKC	Novy Kostel	145.61	333	ePKP	PKPdf	23 42 55.4 +1.2
CONA	Conrad Observa	145.63	327	ePKP	PKPdf	23 42 56.0 +1.7
comp=Z,8.5nm,1.3s						
CKRC	Cesky Krumlov	145.79	329	ePKP	PKPdf	23 42 55.7 +1.2
KHC	Kasperske Hory	145.91	330	ePKP	PKPdf	23 42 56.1 +1.3
GERES	GERESS Array B	146.06	330	PKPbc	PKPdf	23 42 55.8 +0.7
comp=Z,3.4nm,0.9s,baz=41,slow=4.3,SNR=17						
LESA	Schwarzeleotal	147.55	329	ePKP	PKPdf	23 42 59.7 +2.0
comp=Z,2.1nm,1.3s						
ABTA	Abfaltersbach	148.11	328	ePKIKP	PKPdf	23 43 02.1 +3.6
comp=Z,4.7nm,0.9s						
WTTA	Wattenberg	148.16	330	ePKIKP	PKPbc	23 43 03.6 +1.6
comp=Z,5.3nm,1.0s						
MOTA	Moosalm	148.35	330	ePKIKP	PKPdf	23 43 02.9 +3.9
comp=Z,9.2nm,0.9s						
SQTA	Sankt Quirin	148.39	330	ePKIKP	PKPdf	23 43 03.1 +4.0
comp=Z,4.7nm,0.7s						
DAVA	Damuels	148.94	332	ePKP	PKPdf	23 42 59.6 -0.4
comp=Z,1.0nm,1.6s						
ESDC	Sonsec Array	160.66	343	PKPab	PKPab	23 43 58.4 +0.7
comp=Z,0.3nm,0.6s,baz=52,slow=3.2,SNR=2.4						

IDC 30 23:28:22.6:2.7,38.50N:70.64E, h0km, mb3.8/2,
 mbmp3.4/6,ML2.4/4,MS3.5/3, Error ellipse: s-maj=56.5km
 s-min=22.0km az=143.0
 SOME 30 23:28:22.7,38.70N:73.20E, h0km
 NNC 30 23:28:34.2:2.8,39.17N:70.36E, h0km, mb3.9,mpv3.6,
 Error ellipse: s-maj=26.5km s-min=13.0km az=163.0
 ISC 30 23:28:24.1:1.9,38.4N,0.2:70.6E:0.1, h10km, n24,
 a1567/21,MS3.5/3,2C-3D,Afghanistan-Tajikistan border
 region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
AML	Almayashu	4.43	32	P	Pn	23 29 32.9	+1.1
AML	Almayashu	4.43	32	↑Sn	Sn	23 30 24.5	+0.8
KK31	Karatay Array	4.70	360	Pn	Pn	23 29 36.3	+1.2
KK31				↓Lg	Lg	23 30 37.5	
MRKS	Mierke	4.79	24	ePg	Pn	23 29 37.2	+0.8
MRKS				eLg	Lg	23 30 30.9	
UCH	Uchtor	4.88	37	P	Pn	23 29 37.6	-0.3
EKS2	Erkin-Say	4.92	29	P	Pn	23 29 39.3	+1.1
AAK	Ala-Archa	5.19	34	P	Pn	23 29 42.1	+0.1
KBK	Karagaybulak	5.41	37	P	Pn	23 29 47.3	+2.2
CHMS	Chumysh	5.59	33	P	Pn	23 29 48.6	+1.2
CHMS	Chumysh	5.59	33	↓Sn	Sn	23 30 51.5	-0.2
USP	Ospenovka	5.71	30	P	Pn	23 29 49.6	+0.6
TKM2	Tokmak 2	5.92	39	P	Pn	23 29 53.7	+1.6
TKM2	Tokmak 2	5.92	39	↑Pn	Pn	23 29 56.2	+4.1
TKM2				↓Sn	Sn	23 31 00.8	+0.7
DGS	Degeres	6.25	38	ePg	Pn	23 29 55.5	-0.9
DGS				eLg	Lg	23 31 02.4	
KRBS	Karabastau	6.55	35	ePg	Pn	23 30 00.5	-0.1
KRBS				eLg	Lg	23 31 10.9	
MKAR	Makanchi Array	12.04	42	Pn	Pn	23 31 14.3	-1.4
AB31	Akbulak array	13.27	328	Pn	Pn	23 31 33.2	+0.8
KURBB	Kurchatov Arra	13.47	22	Pn	Pn	23 31 30.5	-4.7
BVAR	Borovoye Array	14.63	360	Pn	Pn	23 31 47.3	-3.8
ZALV	Zalesovo Beam	18.37	28	P	Pn	23 32 35.6	-3.1
GNI	Garni	20.05	283	LR	LR	23 41 20.2	
HFS	Hagfors	41.37	321	P	P	23 36 08.2	-1.8
TORD	Torodi Ar. Bea	65.43	267	P	P	23 39 08.6	+1.2
TORD				LR	LR	00 09 34.2	
NEW	Newport	93.45	5	LR	LR	00 27 49.7	

NEIC 30 23:38:16.8:0.6,36.230N:0.008:97.546W:0.009,
 h7km,4km, Error ellipse: s-maj=1.5km s-min=0.4km
 az=222.0

TUL 30 23:38:16.8:0.6,36.233N:0.010:97.546W:0.009,
 h8km,4km,ML2.5,ML2.3/56(NEIC), Error ellipse:
 s-maj=1.6km s-min=0.7km az=216.0, Oklahoma

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
OK029	Liberty Lake	0.44	170	Pg	Pg	23 38 25.5	+0.2
CROK	Carrier	0.45	308	Sg	Sg	23 38 31.8	+0.5
OK048	Pawnee Station	0.52	69	Pg	Pg	23 38 27.1	+0.2
OK048				Sg	Sg	23 38 34.1	+0.4
OK033	Mehan	0.53	111	Pg	Pg	23 38 26.9	-0.1
OK033				Sg	Sg	23 38 34.4	+0.5
OK033				IAML	IAML	23 38 35.1	
OK033				IAML	IAML	23 38 38.0	
BLOK	Blackwell	0.59	27	Pg	Pg	23 38 25.6	-2.6
BLOK				Sg	Sg	23 38 36.1	+0.1
ADOK	Arcadia Dam	0.60	166	Pg	Pg	23 38 28.2	-0.1
ADOK				Sg	Sg	23 38 36.6	+0.5
OK051	E0350 and S346	0.63	64	Pg	Pg	23 38 28.9	-0.2
OK051				IAML	IAML	23 38 42.2	
OK051				IAML	IAML	23 38 42.4	
OK052	Battle Ridge R	0.65	111	Pg	Pg	23 38 29.4	+0.2
OK052				Sg	Sg	23 38 38.2	+0.5
OK052				IAML	IAML	23 38 40.7	
GC02	Grant County #	0.67	338	Pg	Pg	23 38 29.5	-0.2
QUOK	Quay	0.68	95	Pg	Pg	23 38 29.7	-0.2
QUOK				IAML	IAML	23 38 39.4	
OK030	Cody Creek RV	0.69	116	Pg	Pg	23 38 30.0	-0.1
KAN13	South Haven SW	0.78	4	Pg	Pg	23 38 31.9	0.0
OK032	Salt Plains WL	0.78	317	Pg	Pg	23 38 29.9	-1.9
OK032				IAML	IAML	23 38 51.4	
OK032				IAML	IAML	23 38 51.8	
KAN14	Manchester OK	0.80	335	Pg	Pg	23 38 32.0	-0.2
KAN14				IAML	IAML	23 38 47.8	
KAN14				IAML	IAML	23 38 48.0	
KAN17	Caldwell West	0.83	348	Pg	Pg	23 38 32.6	-0.1
KAN17				IAML	IAML	23 38 50.1	
KAN17				IAML	IAML	23 38 53.8	
KAN09	Caldwell North	0.90	356	Pg	Pg	23 38 34.0	-0.2
DEOK	Depew	0.93	114	Pg	Pg	23 38 34.4	-0.3
KAN01	Argonia South	0.94	350	Pg	Pg	23 38 34.7	-0.1
KAN01				IAML	IAML	23 38 49.3	
KAN01				IAML	IAML	23 38 51.3	
FNO	Franklin	0.98	173	Pg	Pg	23 38 35.2	-0.4
FNO				IAML	IAML	23 38 48.9	

comp=E,97nm,0.1s							
FNO					IAML	23 38 50.8	
comp=N,79nm,0.1s							
KAN10	Anthony SW Sta	0.99	334	Pg	Pg	23 38 35.8	-0.1
OK038	West end E0370	1.00	285	Pg	Pg	23 38 35.4	-0.6
KAN06	Argonia West S	1.04	346	Pg	Pg	23 38 36.7	-0.2
KAN06				IAML	IAML	23 38 54.7	
comp=E,64nm,0.2s							
KAN06				IAML	IAML	23 38 56.8	
comp=N,79nm,0.1s							
KAN08	Anthony NE Sta	1.05	341	Pg	Pg	23 38 36.7	-0.2
KAN08				IAML	IAML	23 38 53.2	
comp=N,63nm,0.1s							
KAN08				IAML	IAML	23 38 55.9	
comp=E,61nm,0.1s							
KS21	Milan North St	1.06	355	IAML	IAML	23 38 52.7	
comp=E,76nm,0.1s							
KS21	Milan North St	1.06	355	Pg	Pg	23 38 36.9	-0.2
KS21	Sooner Cattle	1.06	50	Pg	Pg	23 38 37.1	-0.4
T35A				IAML	IAML	23 38 56.1	
T35A				IAML	IAML	23 38 56.1	
comp=E,82nm,0.4s							
U32A	Winter Ranch,	1.19	278	Pn	Pn	23 38 39.9	+0.2
U32A				IAML	IAML	23 38 56.7	
comp=E,57nm,0.1s							
U32A				IAML	IAML	23 38 58.0	
comp=N,76nm,0.3s							
W35A	Tecumseh	1.21	153	Pg	Pb	23 38 39.1	-0.9
W35A				IAML	IAML	23 38 59.9	
comp=N,65nm,0.4s							
W35A				IAML	IAML	23 39 03.6	
comp=E,53nm,0.3s							
TUL3	Leonard	1.46	102	Pg	Pg	23 38 44.6	-0.2
ELIS	Ellis County	1.52	294	Pn	Pn	23 38 44.8	+0.3
WMOK	Wichita Mounta	1.80	214	Pn	Pn	23 38 48.2	0.0
RLO	Rose Lookout	2.04	91	Pg	Pg	23 38 55.4	-0.5
R32A	Long Quarter,	2.38	337	Pn	Pn	23 38 55.2	-0.9
X37A	Clayton	2.42	132	Pn	Pn	23 38 55.9	-0.8
U38A	Gravette	2.56	84	Pb	Pb	23 39 04.4	+1.4
HHAR	Hobbs	2.92	88	Pn	Pn	23 39 02.6	-1.0

ISC Computed Locations for November 2017

